

### SPLICE AND REPAIR SOLUTIONS



# **SPLICE AND REPAIR SOLUTIONS**

a transmitter of the



### Index:

SUPER-	SCREW <sup>®</sup> :
MS® Fa	stener:
ISC <sup>®</sup> Be	t:
FIX'N G	)®:
Presse	vaterbag:
Tools:	-

4		 	 	 	 	 
8		 	 	 	 	 
	•••••	 	 • • • • •	 	 	 ••••



### **SUPER-SCREW® RANGE**

A wide choice for all your needs

### **5 UNIQUE SPLICES ON THE MARKET**

In order to meet all your needs, the MLT teams have developed the SUPER-SCREW<sup>®</sup> range.

The inventor of the first flexible screw splice, the SUPER-SCREW<sup>®</sup>, offers you a wide range of choices for your screw splice system.

Discover a range of simple and fast splicing systems to meet all needs, constraints and requirements.

Find the SUPER-SCREW<sup>®</sup> splice that's right for you!



### SUPER-SCREW PRIMARY

Entry range

\* **Temporary solution** 

Abrasion resistant (150 mm<sup>3</sup>)

### **Packaging** : available in roll of 25 m only

Includes: Spacers / 1 screw size / PZ bit



### SUPER-SCREW ORIGINAL

The historical product

#### \*\* Permanent solution

Abrasion resistant (50 mm<sup>3</sup>) | Heat resistant | Fire resistant | Oil resistant | Heat retardant | Very low temperature

Screws, PZ bit and spacers to be ordered

• In Kit, pre-assembled and cut to length, for

Installation tools / Customization\* / Spacers

belt widhts of 800, 1000, 1200, 1400, 1600

#### Packaging :

Includes:

separately

mm.

Includes:

Installation tools

/ PZ bit / 2 screw sizes

• 85 - 105 : In roll of 5, 7.5 and 25 m. • 125 - 250 : In roll of 3, 5, 10 and 15 m.

Sliding bed version possible for Abrasion Resistant and Oil Resistant.

Includes:

Installation tools / Customization\* / Spacers / PZ bit

• In Kit, pre-assembled and cut to length, for belt widhts of 500, 650, 800, 1000, 1200 mm. • White food grade version available in 2000 mm length only

#### Includes:

Installation tools / Customization\* / Spacers / PZ bit / 2 Screw sizes

рe	Thickness of the	e splice	Туре	Thickness of t
	Тор	Bottom		Тор
35	3.5 mm (1/8'')	3 mm (1/8'')	65	6 mm (1/4'')
50	4 mm (1/8'')	3 mm (1/8'')	85	8 mm (5/16'')
63	6 mm (1/4'')	3 mm (1/8'')	100	8 mm (5/16'')
80	6 mm (1/4'')	4.7 mm (3/16'')	105	10 mm (5/16'')

Туре	Thickness of the splice						
	Тор	Bottom					
35	4 mm (1/8'')	3.7 mm (1/8'')					
63	5 mm (3/16'')	4 mm (1/8'')					
80	6 mm (1/4'')	5 mm (3/16'')					

Туре	Thickness of the	e splice
	Тор	Bottom
85	7.5 mm (5/16'')	4.5 mm (3/16'')
100	7.5 mm (5/16'')	4.5 mm (3/16'')
105	9 mm (3 <sup>1/8</sup> '')	4.5 mm (3/16'')
125	6.5 mm (1/4'')	6 mm (1/4'')
127	8.5 mm (5/16'')	6 mm (1/4'')
140	6.5 mm (1/4'')	6 mm (1/4'')
145	8.5 mm (5/16'')	6 mm (1/4'')
160	6.5 mm (1/4'')	6 mm (1/4'')
165	8.5 mm (5/16'')	6 mm (1/4'')
180	6.5 mm (1/4'')	6 mm (1/4'')
185	8.5 mm (5/16'')	6 mm (1/4'')
200	8.5 mm (5/16'')	6 mm (1/4'')
205	10 mm (3/8'')	6 mm (1/4'')
250	10.5 mm (7/16'')	8 mm (5/16'')





Abrasion resistant (50 mm<sup>3</sup>) | Heat resistant | Fire resistant | Oil resistant | Heat retardant | Very low temperature | Food white

**Packaging :** 

• In roll of 3 or 5\*\*, 10 and 25 m

/ PZ bit

Screws to be ordered separately

\*Reserved for partners contracts

\*\*3 or 5 m depending on the top cover type, please consult us.



belt widhts of 650, 800, 1000, 1200, 1400 mm. Includes:

\*\*\*\*

Packaging :

Permanent solution

Installation tools / Customization\* / Spacers / PZ bit / 2 screw sizes









Abrasion resistant (15 mm<sup>3</sup>) | Oil resistant

#### **Packaging** :

• In Kit, pre-assembled and cut to length, for belt widhts of 650, 800, 1000, 1200, 1400, 1600 mm. Includes:

Installation tools / Customization\* / Spacers / 2 screw sizes / PZ bit / Easy Screw Solution

Abrasion resistant (50 mm<sup>3</sup>) | Heat resistant | Fire resistant | Oil resistant | Heat retardant | Very low temperature

• 65 - 100 : In roll of 3 or 5\*\*, 10 and 25 m. • 105 : In roll of 3 or 5\*\*, 10 and 15 m.

the	splice	Туре	Thickness of the splice			
	Bottom		Тор	Bottom		
	3 mm (1/8'')	65	6 ou 8 mm	3 mm		
	4.7 mm (3/16'')		(1/4 or 5/16'')			
	4.7 mm (3/16'')	85	8 ou 10 mm (5/16'')	4.7 mm (3/16'')		
	4.7 mm (3/16'')	105	8 ou 10 mm (5/16'')	4.7 mm (3/16'')		



PATENTED PRODUCT

MADE IN FRANCE



# **MS®** Fastener

### Lacings / Heavy duty belts and round baler belts

Quarter

# What's the MS<sup>®</sup> Fastener ?

The only screw-on fastener that is innovative and easy to install

### A Revolutionary Fastener

÷

The **MS® Fastener** is an innovative and fast solution to join your belts by simply screwing them together. Designed and patented by MLT, this mechanical splice is extremely easy to install. The installation screws are self-threading screws: no need to pre-drill or use templates. Screws pass directly through the belt when the fastener is installed (from 3.5 to 18 mm thick).

It is inspired by rivet fastener technology, bringing a major evolution in its ease of installation. Indeed, the **MS® Fastener** is a metal fastener to be screwed.

Th re ea



You can install a clip (washer) on the ends of your connecting pin to prevent migration.



Also, it's easy and simple installation does not require any special tools: an electric or pneumatic driver is enough.

The **MS®** Fastener then falls into the category as truly revolutionary in the metal fastener market, as it is more economical, practical and safe.

### Resistant in all situations

It can be installed on high tensile strength belts: up to 800 PIW (1250N/mm) and pulley diameters from 3'' to 18'' (75 to 450 mm). Its screws enable you to easily tighten the fastener on the belt with a "vice effect."

By using the stainless steel fastener, the **MS® Fasteners** joins the belts designed for the food, beverage and recycling industries.

Our fasteners are segmented for ease of breaking to your desired width.  $% \left( {{{\rm{A}}_{{\rm{B}}}}} \right) = \left( {{{\rm{A}}_{{\rm{B}}}}} \right)$ 

The connecting pin is available in diameters from 4 to 10 mm (.3" to .18"). Available in coated steel or in stainless steel coated polyamide.

MLT GROU

### **TECHNICAL DATA SHEET MS® FASTENER**

### **TECHNICAL DATA**

### FASTENER

Manufactured in galvanized carbon or stainless steel\*. Our fasteners are segmented for ease of breaking to your desired width

	Fastener size	Belt	thickness	mini p	ulley ø	Maxi opera tensior be	ating 1 of the	Maximum breakdown tension of the belt		
		mm	inch	mm	inch	N/mm	PIW	N/mm	PIW	
	MS25	3.5 - 7.5	9/64 - 5/16	75	3	45	246	450	24.6	
	MS35	4.5 - 10	5/32 - 3/8	90	3.5	63	360	630	36	
	MS45	6 - 11	1/4 - 7/16	125	5	63	360	630	36	
	MS55	9 - 15	23/64 - 19/32	250	10	100	571	1000	57.1	
	MS65	10 - 18 3/8 - 23/32		450	18	125	714	1250	71.4	
*except the MS65										

except the MS65

### **PINS**

Fastener	Final b	elt thickness	Type of pins	Pin diameter
size	mm	inch	Type of pills	mm
MS25	3.5 - 7.5	9/64 - 5/16		4 - 4.6 -5 (galvanized or stainless steel)
MS35	4.5 - 10	5/32 - 3/8	coated or flexible cable	5.1 - 5 rigid (galvanized or stainless steel)
MS45	6 - 11	1/4 - 7/16		6.5 (Stainless steel) 7 (Stainless steel)
MS55	9 - 15	23/64 - 19/32		8
MS65	10 - 18	3/8 - 23/32		10



(6)

### **SCREWS**

Туре	Final belt	thickness	Screw Length		
	mm	inch	mm		
MS25	3 - 7	1/8 - 9/64	4 x 10 and 4 x 12		
MS35	5 - 9	3/16 - 23/64	5 x 10 and 5 x 12		
MS45	7 - 11	9/64 - 7/16	5 x 12 and 5 x 14		
MS55	9 - 13	23/64 - 33/64	5 x 14 and 5 x 16		
MS65	12 - 16 15/32 - 5/8		5 x 18 and 5 x 20		

		Number of required screws for MS® Fasteners																		
	Belt width																			
	mm inch mm inch mm inch mm inch mm inc		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch							
	300	12	500	18	600	24	650	30	800	36	1000	42	1200	48	1500	54	2000	72	3000	118
MS25	4	48 60 96 104		)4	132		164		19	6	24	8	32	2	49	2				
MS35	2	8	4	8	5	6	6	60 76		96	96 116		148		200		300			
MS45	20		3	6	4	4	4	48		60		i	9	2	11	6	16	0	24	0
MS55	3	6	6	6	7	8	8	4	108		138		162		210		282		426	
MS65	5	6	8	8	10	)4	11	12	14	44	18	4	22	24	28	0	37	6	56	8

### PACKAGING According to your needs

#### **AT THE UNIT\***

### **PER BOX OF 4 JUNCTIONS\***

the kit contains

PZ bit.

#### the kit contains

- 1 fastener at the length adapted to the width of your belt (300, 450, 500, 600, 650, 750, 800, 900, 1000, 1050, 1200, 1500, 2000, 3000),
- number of screws adapted to your fastener length and size,
- coated steel pin, adapted to your fastener length and size,
- PZ bit.
- \*available for certain models of MS® Fasteners: consult us

MLT GROUP



For any support in the installation of our products or in the resolution of problems on your conveyor belt, benefit from our HOTLINE service in real time.

Registration on www.mlt-lacing.com/mlt-hotline



#### **PER CASE OF 48 JUNCTIONS\***

the kit contains

- 48 fasteners at the length adapted to the width of your belt (300, 450, 500, 600, 650, 750, 800, 900, 1000, 1050, 1200, 1500, 2000, 3000),
- PZ bit.
- Pins and screws to be ordered separately.
- MLT GROUP

- 4 fasteners at the length adapted to the width of your belt (300, 450, 500, 600, 650, 750, 800, 900, 1000, 1050, 1200, 1500, 2000, 3000),
- number of screws adapted to your fastener length and size,
- coated steel pin, adapted to your fastener length and size,



# **ISC® BELT**

### Splice / Heavy Duty

**100% COMPATIBLE WITH** BELT CLEANERS, BELT TRACKERS AND **TRANSFER POINTS FROM OUR RANGE\*** 

\* in line with our recommended installation procedure. Please consult us.

### **ISC® BELT,** WHAT IS IT?

Your conveyor belt with its integrated splice

### ISC<sup>®</sup> belt : innovation patented by MLT

The ISC<sup>®</sup> (Integrated Screw Connection) is an innovative lacing solution. It is the most unique on the conveyor belt fastener market. It allows a belt to become endless, by simply screwing each end without extra thickness.

The ISC® belt guarantees quick assembly and an actual reduction in downtime. Thanks to its metal inserts molded in the rubber and the fabrics, the splice assures a very strong resistance to the assembly. This occurs during the tightening of the screws.



\*Same pulley diameter to that of the belt recommended by the manufacturer. \*\*EP 1600/PIW914: to be validated beforehand with our services according to the thickness of the belt.



The ISC<sup>®</sup> lacing system is highly resistant to breaking, but also to large and repetitive shocks. It is compatible to all types of scrapers. Due to its small roll diameters\*, the ISC<sup>®</sup> belt is available in several rubber qualities to meet the majority of your needs: abrasion resistant, heat retardant, heat resistant, oil resistant, anti-adherent (consult us).

This system can be installed on textile belts (EP 250 to EP 1600\*\* also with metal breaker (RIP PROTECT, RIPSTOP,...)), with or without rafters, with or without profiles (edges, cleats, guides, etc.), on sliding floors or not, and up to 2 metres wide.

> We supply a premium brand belt directly to length with an ISC® splice moulded at each end. All you have to do is screw the belt on with a screwdriver. Screws and screw caps are supplied.





# ISC® PULLING DEVICE

The installation of the new belt must be installed without interference of the scraper and skirting system.

1- Cut the old belt V-shaped (in place on the conveyor):







Use the concave end of the **ISC**<sup>®</sup> to trace the V before cutting it

2- Skiving the top cover of the belt to be replaced:





3- Fix the devices\* symmetrically on the concave part of the new belt with the screws provided to tighten the device:



For 1 pair: Lay it out at the ends



For 2 pairs: Have 1 at the ends and 1 in the center



For 3 pairs and more: Have 1 on the ends, 1 in the center and leave the others with regular spacing

4- Bring the skived belt against the stops of the devices and fix them with the screws provided with the pulling device:







The **ISC**<sup>®</sup> pulling devices will be supplied with the belt. **MLT** will determine the quantity required according to the breaking tension, the width and the weight of the belt

	Type of bel 315 - 400 - 500 weight max / pair	N/mm	Type of be 630 N/m weight max / pa	m	Type of b 800 N/n weight max / pa	ım	Type of belt : 1000 - 1250 N/mm weight max / pair : 1000 kg		
Belt width (mm)	Belt weight max. (kg)	Quantity of pairs	Belt weight max. (kg)	Quantity of pairs	Belt weight max. (kg)	Quantity of pairs	Belt weight max. (kg)	Quantity of pairs	
320 - 560	< 400	1	< 600	1	< 850	1	< 1000	1	
	> 400	no	> 600	no	> 850	no	> 1000	no	
560 - 810	< 800	2	< 1200	2	< 1700	2	< 2000	2	
	> 800	no	> 1200	no	> 1700	no	> 2000	no	
810 -1050	< 1200	3	< 1800	3	< 2550	3	< 3000	3	
	> 1200	no	> 1800	no	> 2550	no	> 3000	no	
1050 - 1300	< 1000	3	< 1400	3	< 1600	3	< 1800	3	
	1000 - 1600	4	1400 - 2400	4	1600 - 3000	4	1800 - 3000	4	
	> 1600	no	> 2400	no	> 3000	no	> 3000	no	
1300 - 1540	< 1400	4	< 1600	4	< 1800	4	< 2000	4	
	1400 - 2000	5	1600 - 3000	5	1800 - 3000	5	2000 - 3000	5	
	> 2000	no	> 3000	no	> 3000	no	> 3000	no	
1540 - 1800	< 1400	4	< 1600	4	< 1800	4	< 2000	4	
	1400 - 1900	5	1600 - 2300	5	1800 - 2400	5	2000 - 2500	5	
	1900 - 2400	6	2300 - 3000	6	2400 - 3000	6	2500 - 3000	6	
	> 2400	no	> 3000	no	> 3000	no	> 3000	no	
1800 - 2000	< 1600	5	< 1800	5	< 2000	5	< 2200	5	
	1600 - 2200	6	1800 - 2400	6	2000 - 2500	6	2200 - 2600	6	
	2200 - 2800	7	2400 - 3000	7	2500 - 3000	7	2600 - 3000	7	
	> 2800	no	> 3000	no	> 3000	no	> 3000	no	

### Technical Information

	ISC <sup>®</sup> - Technical Information
Belt tension	EP 250 to EP 1600 * / PIW 143 to 914* With or without sliding bed/friction bottom With or without breaker (RIP PROTECT, RIPS
Max. belt width	Up to 2 meters
Max. belt weight	Belt of 3 tons max (possibility of splicing m
Belt profiles	All profiles: plain, chevron, cleats, sidewall,

\* EP 1600 / PIW 914: to be validated beforehand with our services according to the thickness of the belt



PSTOP)

nultiple **ISC®** belts)

ll, etc.



PATENTED PRODUCT MADE IN FRANCE

# FIX'N GO® PATCH

**Repair /** Heavy Duty



\* in line with our recommended installation procedure. Please consult us.

### FIX'N GO® WHAT IS IT?

The unique solution to repair, easily and provide a quick and permanent solution for your conveyor belts.

### The repair patch quick to install

FIX'N GO® is an innovative and quick solution to repair rips or damages on conveyor belts.

Made with a strengthened fabric and a rubber with a very high abrasion index of 50mm3, FIX'N GO® offers a higher protection against frictions and wear than your conveyor belt used, without impacting its flexibility, resistance to elongation and tensile strength.

By repairing your belt with **FIX'N GO®**, you use a permanent solution with no need to replace it in the future.

The MLT specific screws are self-drilling and selftapping : the carcass threads are spread without being cut.







### The **FIX'N GO**<sup>®</sup> repair patch :

- used for longitudinal rips, belt edge snags, impacts, holes,
- even allows two belts to be spliced longitudinally,
- can be used for multi-ply and monoply belts up to 1250 N/mm,
- is available in 2 versions: galvanized steel or stainless steel
- Quick and easy to install on all types of belts





MLT GROUP

#### Find the right screws according to your belt :

Thanks to the color code, find your reference of FIX'N GO®. According to your belt, find easily the right screws. If the screws are too long : always grind them !

### For ABRASION RESISTANT, FIRE-**RESISTANT or OIL-RESISTANT belts :**

Skive the top cover with a blade of 4.5mm and the bottom cover with a blade of 2.5mm.



Skive the top cover with a blade of 6.5mm and the bottom cover with a blade of 2.5mm.

FIRE-RE	RESISTANT SISTANT SISTANT		Choose the screw size in accordance with your belt and in accordance with its cover t				· · ·			
Туре	of belt	3 + 1	4 + 1.5	5 + 1.5	4 + 2	5 + 3	6 + 2	6 + 3	8 + 3	10 + 3
25	0/2	5x10								
315/2	315/3	5x10	5x10	5x10	5x10					
400/2	400/3	5x10	5x10	5x10	5x10	5x12	5x12	5x12		
500/3	500/4	5x10	5x10	5x12	5x10	5x12	5x12	5x12		
630/2	630/3				5x10	5x12	5x12	5x12	5x14	
630/4	630/5				5x12	5x12	5x12	5x14	5x16	
800/2	800/3					5x12	5x12	5x12	5x16	5x18
800/4	800/5					5x14	5x14	5x14	5x16	5x18
1000/2	1000/3					5x14	5x14	5x14	5x16	5x18
1000/4	1000/5					5x14	5x14	5x16	5x18	5x20
1250/3	1250/4						5x16	5x16	5x18	5x20
1250/5	1250/6						5x16	5x16	5x18	5x20

HEAT RE	TARDANT			noose the s belt and ir						
Туре о	of belt	3 + 1	4 + 1.5	5 + 1.5	4 + 2	5 + 3	6+2	6 + 3	8 + 3	10 + 3
25	0/2	5x12								
315/2	315/3	5x12	5x12	5x12	5x12					
400/2	400/3	5x12	5x12	5x12	5x12	5x12	5x12	5x12		
500/3	500/4	5x12	5x12	5x12	5x12	5x12	5x12	5x12		
630/2	630/3				5x12	5x12	5x12	5x12	5x14	
630/4	630/5				5x14	5x12	5x12	5x14	5x16	
800/2	800/3					5x12	5x12	5x12	5x16	5x18
800/4	800/5					5x14	5x14	5x14	5x16	5x18
1000/2	1000/3					5x14	5x14	5x14	5x16	5x18
1000/4	1000/5					5x14	5x14	5x16	5x18	5x20
1250/3	1250/4						5x16	5x16	5x18	5x20
1250/5	1250/6						5x16	5x16	5x18	5x20

Raise Scraper

MLT GROUP

### PACKAGING Two kits of FIX'N GO®

All FIX'N GO® are 158 mm wide and need 150 screws/meter. For each belt, skive the top cover with a blade of 4.5mm (or 6.5mm) and the bottom cover with a blade of 2.5mm

#### **FIRST EMERGENCY KIT (2 METERS)**



The kit contains :

- 2 meters of FIX'N GO<sup>®</sup> (the top and bottom parts),
- 2 x 300 screws (2 different sizes),
- Installation kit (10 longer screws + PZ bit).

### Two types of steel for screws and inserts available



High resistance, it's the perfect choice for most situations: Quarries Cement plants Mines and so on.





For any support in the installation of our products or in the resolution of problems on your conveyor belt, benefit from our HOTLINE service in real time.

Registration on www.mlt-lacing.com/mlt-hotline

#### **PROFESSIONAL KIT (20 METERS)**

#### The kit contains :

- 20m of FIX'N GO<sup>®</sup> (1 roller for the top part and 1 for the bottom part),
- With 3000 screws as following :
- Abrasion resistant pack, fire Heat retardant pack: resistant and oil resistant:
- 600 screws 5 x 10 mm,
- 900 screws 5 x 12 mm,
- 600 screws 5 x 14 mm.
- 300 screws 5 x 16 mm,
- 300 screws 5 x 18 mm.
- 300 screws 5 x 20 mm,
- Installation kit (overlength screws + PZ bit)

- 1050 screws 5 x 12 mm,
- 900 screws 5 x 14 mm,
- 450 screws 5 x 16 mm,
- 300 screws 5 x 18 mm,
- 300 screws 5 x 20 mm, • Installation kit (over-
- length screws + PZ bit)

### Stainless steel screws and inserts

A resistance in corrosive and saline environment. Gold Mine, Phosphate Mine, Sorting Center, Fertilizer, and so on.





PATENTED PRODUCT

### VULCANIZING WATER-BAG PRESS

Conveyor belt splices / Heavy Duty

### VULCANIZING WATER-BAG PRESS

### Modular presses manufactured for your use

### One modular solution of vulcanizing !

**MLT** is a **press** manufactured since 1986 and followed the technological evolutions of all these decades to propose, today, a solution adapted to your professional requierments.

Conscious about your needs, **MLT** teams offer the conception of your modular **vulcanizing presses**.

The two unit sizes of 350 mm (13 25/32 inch) and 525 mm (20 43/64 inch) allow for **multiple combinations** (**depending on the splice length**), giving you a completely customized solution. **The MLT water-bag vulcanizing presses are fully modular**.

We give great importance to quality of every element, made in France, in order **to optimize the sustainability of your investment.** We reinforce this by providing an **after-sales service** that meets your expectations, all components of the press is available in detached pieces, allowing replacement to one isolated element without changing other sections of the press.



Our **vulcanizing water-bag presses** are constructed with heating plates made of light, **high quality alloys**. Shielding heating resistors are reachable and **located in the heating plate**, allowing the following :

• Resistance to higher temperatures, fast and standardized

• Viability of heating data

Preset thermostat allows the auto-regulation to  $150^{\circ}C$  ( $302^{\circ}F$ ) but is manually adjustable by instrument panel on the electrical control box (with the equiped PT100 probe for optional electrical regulation).

### **VULCANIZING** WATER-BAG PRESS

Vulcanizing and repair for heavy duty belts

#### THE ADVANTAGES

- Light alloy in high quality shielding aluminium
- Totaly modular
- Fast vulcanizing and cooling
- Shielded heating resistors allowing a fast, homogeneous and reliable temperature rise
- Temperature up to 150°C (302°F) reached in 20min

### (13 25/32 or 20 43/64 inch) in aluminium, allowing a lower weight Pressure perfectly homogeneous until 14

Composed of units with sizes 350 or 525 mm

bars (199 PSI), thanks to our water-bags (MLT technology) specially designed and manufactured in our factory in France

# Application fields



Heavy industries



Cement plants





Quarries and surface mines

Mines





#### Hand pump :

Each hydraulic pump has 3 outputs for connecting water-bag and a pressure gauge. The pump has 2 pistons.

- Fuel tank capacity :30L
- Pumping capacity of the pre filling piston (l) : 79ml
- Pumping capacity of the fishing piston (l) : 8ml Pressure limited to 14 bars by the calibration of the safety valve.



#### Electric pump :

Electric pump has a rating of 20L/min. Up to 6 water-bag connections can be made. The tank offers a capacity of 50L. The adjustable pressure is limited to 14 bars (199 PSI) by a safety valve.

The electric pump allows :

- The water-bag to be under pressure very guickly
- Cooling the vulcanizing press. • Motor: 230 V mono-phase 0.88KW Control by manometer.

### The components of our vulcanizing water-bag press ÷

#### Two types of plates are proposed

Straight or rectangular heating plates with integrated cooling system

- Temperature uniformity
- Low weight due to its thin thickness (only 30 mm)
- Proven reliability and easy maintenance

The cooling water circulates through a coil and removes the heat 3 times faster than air cooling allowing for reduced vulcanizing time.

#### Rhomboid heating plate with integrated cooling system

- The shape is 18.5° or 1/3 of the belt in bias
- Cooling water system
- Same weight and size as standard plate •

#### Table of electric consumption and electrical power per plate :

	Heating p	olate lenght	Module	e width*	[		
	mm	inch	mm	inch	Power in kW	KVA per plate	Amperage 400V / phase
	(00	1 53/6	x350 (D)	13 <sup>25/32</sup> (D)	1,39	1,74	2,0
	400	15 <sup>3/4</sup>	x525 (D)	20 <sup>43/64</sup> (D)	2,08	2,61	3,0
	c00	255/8	x350 (D)	13 <sup>25/32</sup> (D)	2,08	2,61	3,0
	600	25 <sup>5/8</sup>	x525 (D)	20 <sup>43/64</sup> (D)	3,10	3,88	4,5
			x350 (D)	13 <sup>25/32</sup> (D)	3,25	4,07	4,7
	000	357/16	x525 (D)	20 <sup>43/64</sup> (D)	4,83	6,04	7,0
	900	35//10	x350 (R)	13 <sup>25/32</sup> (R)	3,48	4,36	5,0
			x525 (R)	2043/64 (R)	5,48	6,86	7,9
			x350 (D)	13 <sup>25/32</sup> (D)	4,00	5,01	5,8
	1100	435/16	x525 (D)	20 <sup>43/64</sup> (D)	6,00	7,50	8,7
	1100	435,10	x350 (R)	13 <sup>25/32</sup> (R)	4,20	5,26	6,1
			x525 (R)	2043/64 (R)	6,39	7,99	9,2
			x350 (D)	13 <sup>25/32</sup> (D)	4,78	5,98	6,9
	1300	<b>- 1</b> 3/16	x525 (D)	20 <sup>43/64</sup> (D)	7,17	8,96	10,3
		51 <sup>3/16</sup>	x350 (R)	13 <sup>25/32</sup> (R)	4,92	6,16	7,1
	-		x525 (R)	2043/64 (R)	8,04	10,06	11,6
	1400	55 <sup>1/8</sup>	x350 (D)	13 <sup>25/32</sup> (D)	5,17	6,47	7,5
ate	1400	22.10	x525 (D)	20 <sup>43/64</sup> (D)	7,72	9,66	11,2
Heating plate			x350 (D)	13 <sup>25/32</sup> (D)	5,56	6,96	8,0
l .c	1500	<b>59</b> <sup>1/16</sup>	x525 (D)	20 <sup>43/64</sup> (D)	8,26	10,33	11,9
eat	1500	29	x350 (R)	13 <sup>25/32</sup> (R)	5,64	7,06	8,2
ΙĬ.			x525 (R)	20 <sup>43/64</sup> (R)	8,76	10,96	12,7
			x350 (D)	13 <sup>25/32</sup> (D)	6,31	7,89	9,1
	1700	66 <sup>59/64</sup>	x525 (D)	20 <sup>43/64</sup> (D)	9,46	11,83	13,7
	1700	00	x350 (R)	13 <sup>25/32</sup> (R)	6,36	7,96	9,2
			x525 (R)	20 <sup>43/64</sup> (R)	9,86	12,33	14,2
			x350 (D)	13 <sup>25/32</sup> (D)	7,05	8,82	10,2
	1900	7451/64	x525 (D)	20 <sup>43/64</sup> (D)	10,65	13,32	15,4
	1900	74	x350 (R)	13 <sup>25/32</sup> (R)	7,08	8,86	10,2
			x525 (R)	20 <sup>43/64</sup> (R)	10,95	13,70	15,8
	2000	7847/64	x350 (D)	13 <sup>25/32</sup> (D)	7,43	9,29	10,7
	2000	/8*//04					
			x350 (D)	13 <sup>25/32</sup> (D)	8,11	10,15	11,7
	2200	8639/64					
			x350 (R)	13 <sup>25/32</sup> (R)	8,16	10,21	11,8
			x350 (D)	13 <sup>25/32</sup> (D)	8,83	11,05	12,8
	2400	9431/64					
			x350 (R)	13 <sup>25/32</sup> (D)	8,88	11,11	12,8

\*D= Straight / R = Rhombic



### Insulation plates

Insulation plates allow reduced heat loss and avoid transmission to water-bag and press.

### Water-bag

÷

Our water-bags are manufactured in our factory in France. Their design allows a uniform pressure to be applied to the entire surface to be vulcanized. The supply hose may be disconnected for faster and safer connection.

### Straight water-bag or Rhomboid water consumption :

			nsumption (L) with pars
Wate	r-bag	350 mm	525 mm
mm	inch	(1325/32 inch)	(2043/64 inch)
400	153/4	2,5	3,75
600	25 <sup>5/8</sup>	3	4,5
900	357/16	3,5	5,25
1100	435/16	4	6
1300	51 <sup>3/16</sup>	4,5	6,5
1400	551/8	4,5	7
1500	<b>59</b> <sup>1/16</sup>	5	7,5
1700	66 <sup>59/64</sup>	5,5	8
1900	7451/64	6	8,75
2000	7847/64	6,25	9,25
2200	8639/64	7	10
2400	9431/64	7,5	10,5



### Electrical control box

Our electrical control box is manufactured in our factory and meets the standards NF EN 60439-4 for worksite. Equiped with an emergency stop button, breaker, a differential switch and indicator 3 phases at 380V. We propose 3 types of electrical control boxes reinforced PE :



Standard thermostat control box :

This control box allows one to control gautomatically the vulcanizing temperature thanks to the thermostats placed in the plates. You can control manually as well. (requires a thermostat built into the plate).

380V tri connection by plug with built-in power rating PI54 (protection indice).



Regulated control box (automatic operation):

This control box version can regulate temperature and the vulcanizing time, it can show the temperature on digital screens (require PT100 probe built into the plate). This premium control box can record and control all parameters of vulcanization. Data is collected on a USB stick and then converted via computer graphically in PDF format. This box record parameter



Process control box (automatic operation):

This premium control box can record and control all parameters of vulcanization. Data is collected on a USB stick and then converted via computer graphically in PDF format. This box record parameter of vulcanization : temperature settings, retention, cycle time, pressure, cooling, date and time of completion are rigorously recorded. (require PT100 probe built into every plate).







#### Legend

- A. Water-bag.
- **B.** Supply hose with valve and fluted coupling
- C. Sections
- D. Clamping strap
- E. Aluminium strap for 180 beam
- F. Feel strap for 320 beam
- G. Pivot rod diam.40
- H. Snap rings
- I. Top nut
- J. Bottom nut
- K. Ball and socket washer
- L. Tie-roda dia. 16mm
- M. Male plug 6 + E 20

#### Electrical control box

400V - 2,4 or 6 outputs V1. Indicator light 380V BTV1. Switch on-off heating plats (auto, 0, manual) S1. Female plug 6 + E, plat 1 R1. Regulation S1 T. Delay







- N. Female plug 6 + E 20 A
- Socket mount
- P. Male plug + E, 20 A
- **Q.** Platen guiding lugs (version straight plate)
- R. Socket mount long type
- S. Male plug 6 + E,20 A
- T. Rubber cap
- U. Hairpin Sheilding resistor
- V. Straight Sheilding resistor
- W. Manometer
- X. 3 water-bag coupling
- Y. Safety valve
- Z. 6 water-bag coupling



## HE

IT TOTAL

**ER'S TOOLKIT** all the tools to make your hot splice successful

MADE IN FRANC

# TOOLS





### Technical characteristics

- High mechanical characteristic aluminum tubular profile
- 77 x 64 mm section with central reinforcement
- Length up to 2400 mm for 2200 mm wide belt
- Self-tightening hook of 1500 DaN draw
- The belt clamp is sold complete with 2 clamping hooks



### Terms of use

- Suitable gloves (security)
- Pulling by cable tensioner or chain hoist maximum 1600 Kg



Belt width	Standard belt clamp	Weight	Antislip belt clamp	Weight
500	2991122	19 Kg	2991560	20 Kg
650	2991123	20 Kg	2991561	21 Kg
800	2991125	21 Kg	2991562	22 Kg
1000	2991126	23 Kg	2991563	23 Kg
1200	2991127	25 Kg	2991564	23 Kg
1400	2991128	27 Kg	2991565	25 Kg
1600	2991129	29 Kg	2991566	26 Kg
1800	2991430	31 Kg	2991567	27 Kg
2000	2991429	33 Kg	2991568	28 Kg
Profil / m	2991124	5 Kg		
Single Hook	2991125	5.4 Kg	2991125	5.4 Kg

Antislip display

MLT GROUP







### Cordless Tools kit Ref. 2991688 Installation of MLT solution, no limit.

This kit contains:

Beltskiving		Making
Beltskiver FEIN	2991745	Bit holder magnet
Blade for beltskiver centre	2991406	Chuck Quick 13 mm m
harp 2 mm		Silver ball point pen
Blade for beltskiver centre harp 3 mm	2991726	Triple-meter with jam
Blade for beltskiver centre	2001/05	Charger
harp 4 mm	2991405	Battery charger
Blade for beltskiver centre	2991404	Cutter
harp 6 mm		Spare blades 18mm
Blade for beltskiver centre	2991482	Powered driving
harp 8 mm		
Blade for beltskiver centre	2991478	Powered driver FEIN
harp 10 mm		PZ2 bit
		PZ3 bit



For any support in the installation of our products or in the resolution of problems on your conveyor belt, you can benefit from our HOTLINE service in real time.

Registration on www.mlt-lacing.com/mlt-hotline

	2991687
X.	
	2991664
ing	2991139
	2991744
	2991683
	2991012
	2991155
	2991759
	2991300
	2991301

Finishing	
HSS Saw blade	2991702
IPE	
(Individual Protective Equipme	nt)
(Individual Protective Equipme Cut resistant gloves	nt) 2991526





### SPLICE AND REPAIR SOLUTION FOR HEAVY DUTY BELTS

### **MLT Conveyor Solutions Expert**

More than 70 years of innovation at your service



MLT MINET LACING TECHNOLOGY SOUTH AFRICA (PTY) LTD Address: 131 Terrace Road, Sebenza, Edenvale, 1609, Johannesburg, South Africa Tel: +27 (0) 81 511 5777 Email: MLT.South.Africa@mltgroup-conveyor.com

Distributor logo



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