



# Super-Screw®



Super-Screw® 80  
EP 800 Belt  
Manganese Mine  
GABON

**FLEXIBLE SPLICE  
TO SCREW**



# Super-Screw®

## SPlice and repair



MLT has developed the **SUPER-SCREW®**. It is a flexible rubber splice to screw on to the belt.

MLT specific screws are self-drilling and self-tapping : they spread the carcass threads without cutting them.

The screwing system allows **Super-Screw®** to be installed regardless of the :

- configuration of the conveyor belt,
- access conditions,
- weather conditions,
- temperature (-50 up to 200°C flash).

The **Super-Screw®** significantly reduces downtime. It can bear service tensions up to 200 N/mm (belt breaking strength up to 2000 N/mm).

It is available in different rubber qualities (see opposite page).

Simple and practical, the **Super-Screw®** is versatile !



**SUPER-SCREW®**  
INTO UNDERGROUND MINE (MOROCCO)

## TECHNICAL DATA

<b>SUPER-SCREW®</b>	<b>35</b>	<b>63</b>	<b>65</b>	<b>80</b>	<b>85</b>	<b>100</b>	<b>105</b>	<b>125</b>	<b>127</b>	<b>180</b>	<b>185</b>	<b>200</b>	<b>205</b>
Final belt thickness*, mm	4-11	4-13	4-13	4-15	5-15	6-15	6-15	7-20.5	7-19	7-20.5	7-19	7-19	7-17.5
Max. belt tension, N/mm	31	63	63	80	80	100	100	125	125	180	180	200	200
Max. belt strength, N/mm	315	630	630	800	800	1000	1000	1250	1250	1800	1800	2000	2000
Minimum pulley Ø, mm	160/ 200	220/ 300	250/ 300	250/ 350	270/ 400	300/ 350	350/ 400	350/ 400	350/ 400	400/ 800	500/ 800	500/ 1000	650/ 1000
Thickness top plate (± 1 mm), mm	4.5	5	6.5	6	7.5	7.5	9	6.5	8.5	6.5	8.5	8.5	10
Thickness bottom plate (± 1 mm), mm	3.7	4	4	4.5	4.5	4.5	4.5	6	6	6	6	6	6

\* Final belt thickness : Belt thickness once skived or not

## advantages

Installation :

- without need of physical strength
- quick installation (saves downtime)
- under any weather conditions
- using battery or pneumatic operated screw driver, no need of electricity power
- no use/need of expensive equipment
- no need of highly skilled operator
- no drilling preparation, no template
- self tapping screws through the belt
- Wear and cut resistant
- High tensile strength
- Flexible
- Can be used for a bridge even with different belt carcass thickness
- Suitable for high-heat belt up to 200°C
- Compatible with small pulley diameter
- Compatible with conveyor scraper
- Perfect for tubular belt
- Leak proof
- Available on coil or «ready to use» cut lengths
- Many rubber qualities available



**SUPER-SCREW®**

ON TUBULAR BELT (MIDDLE EAST)



### INFOS +

For anti-magnetic splice : use screws and inserts made of non magnetic stainless steel

Super-Screw® is available with textile on the bottom for sliding belts

# available version

## Super-Screw® Quality Rubber Color code

- |                                                                                   |                                                                                                      |                                                                                   |                                          |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------|
|  | A - abrasion resistant (regular)                                                                     |  | P - very low temperature down to -50°C   |
|  | C - heat resistant 150°C (170°C flash)                                                               |  | G - oil resistant (120°C heat resistant) |
|  | R - heat retardant 170°C (200°C flash)                                                               |  | F - fire resistant and antistatic (FRAS) |
|  | W - white FDA/USDA rubber cover with stainless steel inserts and screws - Maximum length : 1,2 Meter |                                                                                   |                                          |

## Super-Screw® Color code with inserts made of non magnetic stainless steel

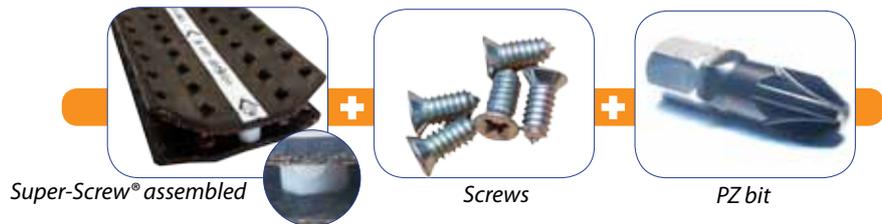


Yellow line = stainless steel inserts

# PACKAGING

## CUT IN LENGTH

Super-Screw® «Ready to install» : the assembly spacers are pre installed. The top part matches the bottom part. It is delivered with screws and PZ bit.  
Maximum length : 3 Meters.



## IN ROLL

Super-Screw® roll is delivered in 2 rolls : the top roll and the bottom roll. You have to define the screws size and their quantity, same for spacers and PZ bit (PZ2, Ø 5 mm or PZ3, Ø 6.3 mm)  
Maximum length : - 25 Meters for the Super-Screw® 35 to 105  
- 15 Meters for Super-Screw® 125 to 205



Super-Screw® roll

To add



Spacers

Screws bucket

PZ Bit

# INSTALLATION TOOL

Battery, electric or pneumatic operated drill or screwdriver



# BEST WAY FOR PATCH/REPAIRS



Patch on textile belt

Patch on textile belt

Steel cord belt repair

MLT ALSO PRODUCES CONVEYOR BELT SPLICING SYSTEMS, TECHNICAL BELTS, TOOLS, VULCANIZING PRESSES...



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