



FASTENERS, SPLICES & REPAIR SOLUTIONS

Product Overview



ABOUT US

Established in 1974 as a single bearing shop in Durban, South Africa; BMG's aggressive growth strategy has included acquisitions, supplemented by a steady organic growth discipline. BMG attracts best-of-breed talent resulting in technical expertise that differentiates BMG in the industry. Staff are truly part of the BMG family and its success.

BMG boasts an accredited in-house technical and commercial training academy which fosters a culture of staff development and career advancement; it's all about sustainability.

The net result, is a company that reliably supplies and supports 70 000 customers in 15 countries with the widest range of industrial engineered products and expert services in Africa via 105 branches.

BMG is positioned to deliver bespoke 360 degree solutions to its customers, and subsequently return on investment to its investors and shareholders. BMG plays a pivotal role in supporting the productivity and production targets of all Industrial, Manufacturing, Mining and Agricultural sectors of the economies in the countries it serves. With an enviable reputation as Africa's largest distributor, manufacturer and service provider of the highest quality engineering consumables and components; including

- Bearings & Seals
- Power Transmission Components
- Drives, Motors and Controllers
- Hydraulics, Pneumatics and Filtration
- Heavy and Light Duty Materials Handling
- Valves and Lubrication
- Fasteners, Gaskets and Tools

BMG is a level 4 BEE contributor with ISO 9001 Quality Assurance certification. Health and safety of its employees and customers is a paramount focus and the company adheres to ISO 45001. BMG is also committed to environmental care and sustainability and strictly follows the ISO 14001 charter.

As a key contributor to the Invicta Holdings stable, BMG has played a major part in Invicta's unique achievement of being rated in South Africa's Top 100 Companies for 21 consecutive years.



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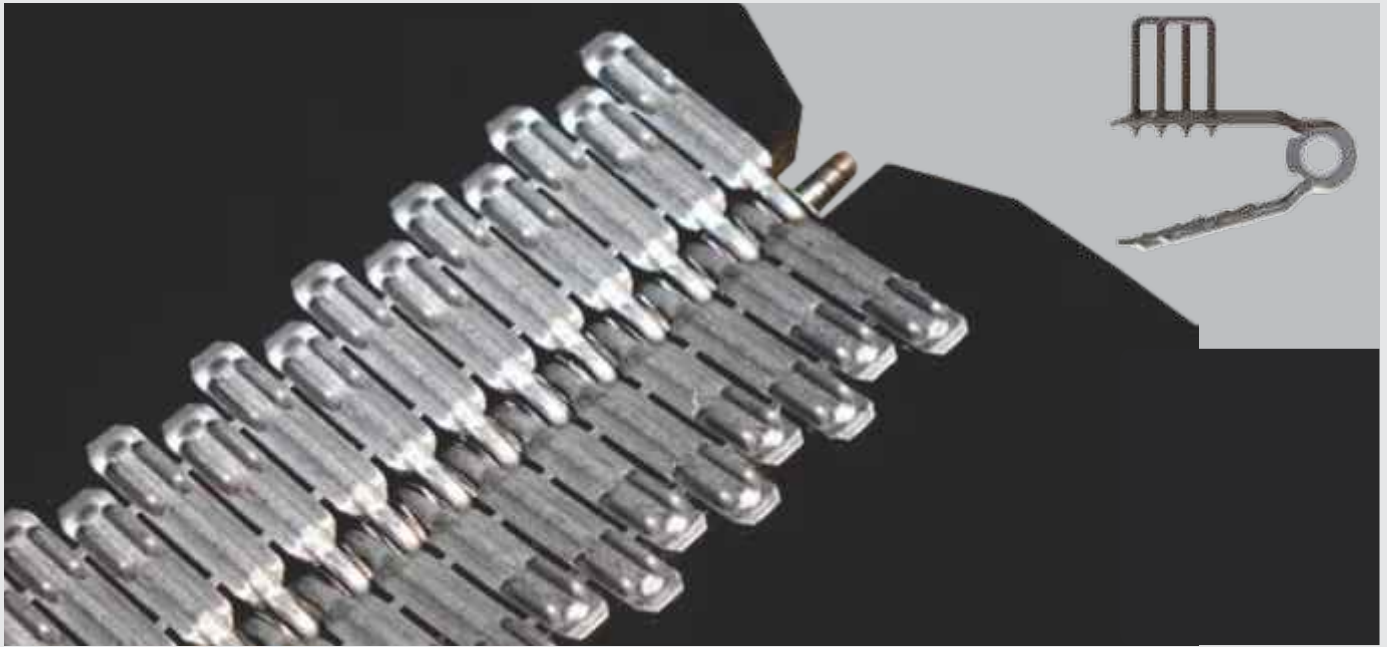
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PRO FASTENER

NEW



1. STAPLES

- Staggered: no stitching puncture
- Pre assembled staples: quick and easy installation

2. SPACERS

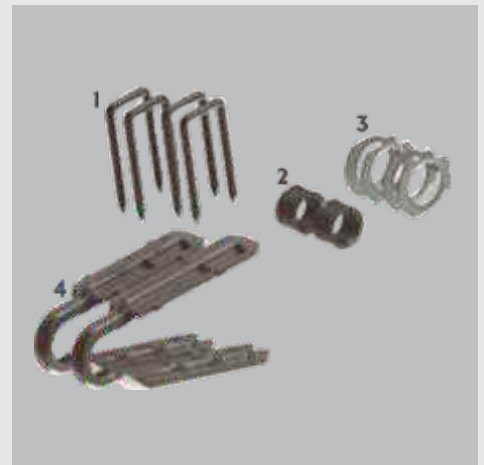
- Specifically designed material to prevent connecting pin wear.

3. YOKE JOINT

- Integrated belt stopper: belt correctly positioned

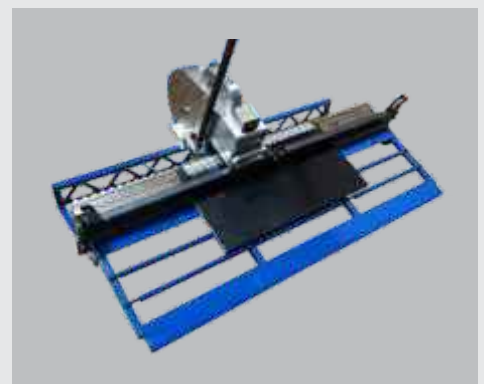
4. FASTENER

- Staggered edges: does not cut the belt
- One piece fastener: for ease of installation and prevention of the belt waving
- Chamfered edges: belt cleaner, pulley and roller friendly



PNEUMATIC INSTALLATION TOOL

- Very low frame : easier positioning of the belt
- Roller inclined access ramp: tool is easily positioned under the belt
- Integrated belt clamp : quick release of the belt with one hand
- 4 staples inserted in one cycle of 30 mm
- 1 tool only for all MINEPRO fastener sizes
- Self adjusting to the belt thickness (no pre-set up required)



MS fasteners are the only mechanical fasteners that are installed using screws via a screwdriver (battery, electric or pneumatic)!

Installation is easy and simple, it doesn't require special installation equipment.



| | MS 35 | MS 45 | MS 55 | MS 65 |
|----------------------------|--|-------|-------|------------------|
| Belt thickness, mm | 4.5-10 | 6-11 | 9-15 | 10-18 |
| Minimum pulley Ø, mm | 90 | 125 | 250 | 450 |
| Maximum belt strength,N/mm | 400 | 650 | 1000 | 1250 |
| Fastener | Galvanised steel or non magnetic stainless steel | | | Galvanised steel |
| Screw | Galvanised steel or stainless steel | | | |
| Packaging | In strip up to 3000 mm | | | |

ADVANTAGES

- Using screws
- No costly toolings, only a powered screwdriver.
- Quickly installed = shortened breakdown repair time.
- No pre-drilling /no template
- Installed by screwing directly
- Belt is clamped by the fastener itself
- Rubber belts can be repaired and back to work immediately
- Ease of installation
- Can be installed closer to the carcass after rubber covers are skived
- Turn fastener upside down for a more leak proof and long life
- Ease of installation
- Perforated for ease of separation for troughing
- Friendly for the belt with less penetration points
- May install the pin prior to the fastener installation
- Good compression

INSTALLATION TOOLS



Using battery or electric operated screw driver



SUPER-SCREW

MLT has developed the SUPERSCREW®. 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 SuperScrew® to be installed regardless of the :



- configuration of the conveyor belt,
- access conditions,
- weather conditions,
- temperature.



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 versions (see opposite page). Simple and practical, the Super-Screw® is versatile!

| SUPER-SCREW | 100 | 105 | 125 | 127 | 180 | 185 | 200 | 205 |
|--------------------------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|
| Final belt thickness once skived, mm | 6-15 | 6-15 | 7-20.5 | 7-19 | 7-20.5 | 7-19 | 7-19 | 7-17.5 |
| Maximum belt strength, N/mm | 1 000 | 1 000 | 1 250 | 1 250 | 1 800 | 1 800 | 2 000 | 2 000 |
| Minimum pulley Ø, mm | 300/ 400 | 350/ 400 | 350/ 400 | 350/ 500 | 400/ 800 | 500/ 800 | 500/ 1 000 | 650/ 1 000 |
| Thickness top plate (± 1 mm), mm | 7.5 | 9 | 6.5 | 8.5 | 6.5 | 8.5 | 8.5 | 10 |
| Thickness bottom plate (± 1 mm), mm | 4.5 | 4.5 | 6 | 6 | 6 | 6 | 6 | 6 |
| Splice | See «Available version» next page | | | | | | | |
| Screws | Galvanized steel or stainless steel | | | | | | | |

Also available Super Screw 35 - 85 for other applications

ADVANTAGES

Installation :

- Without need of physical strength
- Quick installation (saves downtime)
- Under any weather conditions
- Using battery or electric operated screw driver, no need for electrical power
- No use/need for expensive equipment
- No need for 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
- Compatible with small pulley diameters
- Compatible with conveyor scraper (scraper friendly)
- Perfect for tubular belt applications
- Leak proof
- Available on coil or «ready to use» cut lengths
- Many rubber versions available

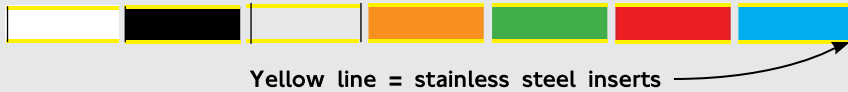


SUPER-SCREW® on tubular belt

INFORMATION








For anti-magnetic splice: use screws and inserts made of non magnetic stainless steel Super-Screw® is available in bare back version = with textile on the bottom for sliding belts.

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



Yellow line = stainless steel inserts

AVAILABLE VERSION

-  A - abrasion resistant (regular)
-  C - heat resistant 150°C (170°C flash)
-  R - heat retardant 170°C (200°C flash)
-  W - white FDA/USDA rubber cover with stainless steel inserts and screws - Maximum length 1.2 Meter.
-  P - very low temperature down to -50°C
-  G - oil resistant (120°C heat resistant)
-  F - fire resistant and antistatic (DIN 20 340 & 20 284, MHSA, FRAS)

PACKAGING

A.) CUT TO 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.

B.) IN ROLL

Super-Screw® roll is delivered in 2 rolls : the top roll and the bottom roll. You have to define the screw 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

TO ADD



Spacers

Screws

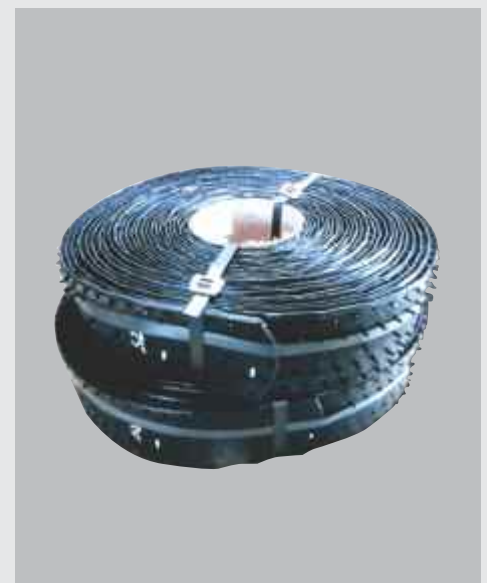
Bits



Super-Screw® installed under snow



Battery, electric or pneumatic operated drill or screwdriver



ISC INTEGRATED SCREW CONNECTION

AN INTEGRATED SPLICE INTO THE BELT

The ISC[®] splice allows the belt to be installed by simply screwing both ends together without overlap or extra thickness. This system guarantees an immediate installation with less down time.

What does it look like ?

ISC[®] splice is vulcanized into the belt by our specialized production department. Its connecting system offers a very high resistance to strong and continuous high impact conditions.

Which belt? Which pulley diameter?

ISC[®] splice can be installed on textile conveyor belts, smooth or with profiles (edges, sidewall, cleats, guides...), up to 2 meters wide. ISC[®] pulley diameters are those recommended by the belt manufacturer (on which the splice is installed).



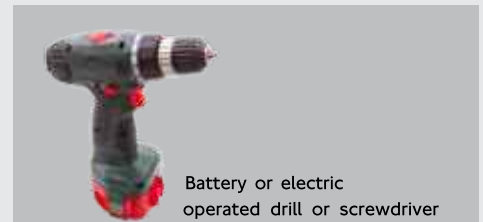
ADVANTAGES

- Excellent resistance to heavy and continuous impact shocks.
- Technical splice with very high strength to avoid breakdowns, stronger than a cold vulcanized splice.
- Many rubber versions available : abrasion resistant, oil and grease resistant, heat retardant 200°C flash.
- Easy to install, no special screw required
- No special tooling required
- 18 V or greater cordless drill
- Installation with no concerns about the accessibility, the weather conditions (rain, snow, wind, cold, humidity...), night or day.
- No adhesives or other chemical agents which could have serious health consequences.
- Increases safety factors such as : no tooling, no need to dismantle machine, hence less down time.

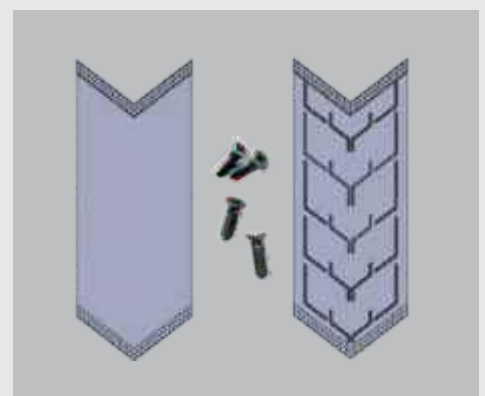
INFO

- Antimagnetic splice available [with screws and inserts made of non magnetic stainless steel]
- With the ISC[®] vulcanized into your belt, we can also hot vulcanize cleats, guides, sidewall, edges...

INSTALLATION TOOL



Battery or electric operated drill or screwdriver



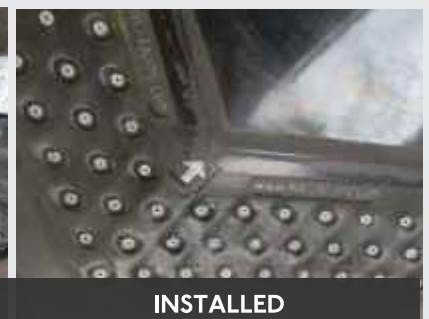
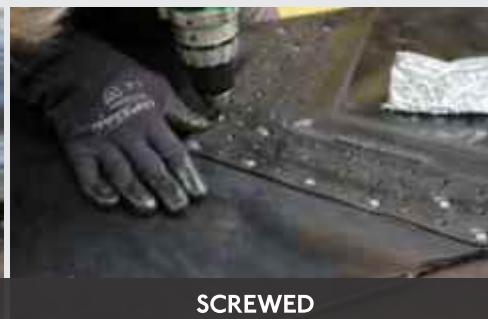
Installed into chevron or smooth belts



A real innovation in the conveyor belt lacing industry. We vulcanize ISC[®] splices into the belt of your choice in our workshop, you then just need to position the belt and screw both ends together!



INSTALLATION



RECORD V6

Record V6 fastener has pre-assembled staples. Its allows to join belts 6 to 12 mm belt thickness

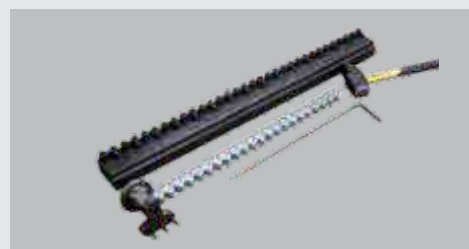
| | |
|-----------------------------|---------------------------------|
| Belt thickness, mm | 6 - 12 |
| Maximum belt strength, N/mm | 1050 |
| Minimum pulley Ø, mm | 230 |
| Fastener | Carbon steel |
| Packaging | In strip from 650 up to 1600 mm |



ADVANTAGES

- Minimum tools required
- Large range of applications :
- 1 fastener to join 6 to 12 mm (¼" to ½") belt thickness
- Continuous length
- Pre-assembled staples
- Good compression
- Very strong

INSTALLATION TOOL



G 2002

G 2003

G 3003 **NEW**

G 2000 family are fasteners with pre-assembled staples for high strength conveyor belts.

| | G 2002 | G 2003 | G 3003 NEW |
|-----------------------------|------------------------|---------|-------------------|
| Belt thickness, mm | 7.5 - 15 | 10 - 20 | 14 - 20 |
| Maximum belt strength, N/mm | 1400 | 3500 | 3500 |
| Minimum pulley Ø, mm | 250 | 500 | 500 |
| Fastener | Galvanized steel | | |
| Packaging | In strip up to 3000 mm | | |



G 2003 INSTALLATION TOOL

ADVANTAGES

- Easy installation
- Very simple tool design
- Very strong fastener
- Pre-assembled staples
- Continuous length fastener
- Reinforced loop
- Staples are protected by skiving the clips
- Perfect for trough belts
- Perforated to easily cut for different length
- Chamfered edge on fastener, friendly for belt cleaner



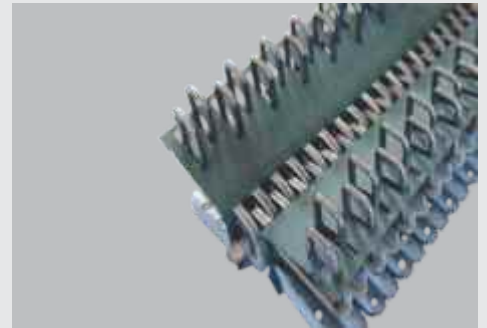
Hammer tool

Pneumatic tool

TITAN SERIES

Titan fasteners have pre-assembled staples for high tension conveyor belts.

| | T 10 H | T 1 R | T 10 | T 14 | T 2 |
|-----------------------------|---|--------|--------|----------|---------|
| Belt thickness, mm | 5 - 14 | 6 - 14 | 6 - 14 | 9.5 - 18 | 14 - 18 |
| Maximum belt strength, N/mm | 1250 | | 1400 | 1600 | 3500 |
| Minimum pulley Ø, mm | 250 | | 250 | 500 | 800 |
| Fastener | Galvanized carbon steel (except T 14 and T2) or stainless steel (magnetic or non magnetic depending of the type) | | | | |
| Packaging | Box of 10 strips 200 mm long for 1000 mm belt width | | | | |



ADVANTAGES

- Perfect for trough belts
- Durable and long lasting
- Pre-assembled staples
- Chamfered edge on fastener, friendly for belt cleaner



INSTALLATION TOOL



Hammer tool or manual operated hydraulic installation press

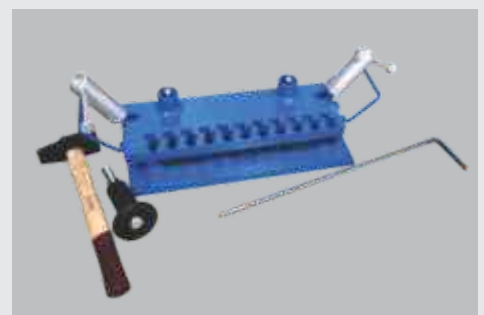
OPTIMA A/B/C

Hermetic fasteners have staples for mining application. It can be used to join steel cord belt.

| | Optima A | Optima B | Optima C |
|-----------------------------|---|----------|----------|
| Belt thickness, m | 7 - 13 | 14 - 26 | 13 - 26 |
| Maximum belt strength, N/mm | 800 | 800 | 2000 |
| Minimum pulley Ø, mm | 300 | 300 | 600 |
| Fastener | Galvanized steel or stainless steel | | |
| Packaging | Box of 10 strips 350 mm long for 1750 mm belt width | | |



INSTALLATION TOOL



Hammer tool

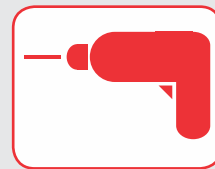
ADVANTAGES

- Perfect for steel cord belt
- Ideal for belt exchange

RIP REPAIR SPLICES / FASTENERS

SUPER® - SCREW PATCH & REPAIR

Super-Screw® is a flexible splice to screw. It is an innovative and quick solution to repair all kinds of belts (textile or steel cord).



| SUPER-SCREW® | 35 | 63 | 65 | 80 | 85 | 100 | 105 | 125 | 127 | 180 | 185 | 200 | 205 |
|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| Minimum pulley Ø, mm | 160/200 | 220/300 | 250/300 | 250/300 | 270/400 | 300/400 | 350/400 | 350/400 | 350/500 | 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 |



ADVANTAGES

- Installation without need of physical strength
- Quick installation (saves downtime)
- Under any weather conditions
- Using battery or electric operated screw driver
- No need for electricity power
- No use/need for expensive equipment
- No need for highly skilled operator
- No drilling preparation, no template
- Self tapping screws through the belt
- Wear and cut resistant
- Suitable for high-heat belts up to 200°C
- Compatible with conveyor scraper (scraper friendly)
- Leak proof
- Many rubber qualities available

INSTALLATION TOOLS



BATTERY OR ELECTRIC OPERATED DRILLS



STEELCORD BELT REPAIR



TEXTILE BELT REPAIR



PATCH ON A TEXTILE BELT

FIX' N GO



WHAT IS IT ?

Fix'N Go[®] is an innovative and unique solution for repairing belt rips and tears. Thanks to the 50 mm³ rubber used, Fix'N Go[®] has a higher abrasion resistance than most of your conveyor belts used without impacting its flexibility, resistance to elongation and tensile strength. By repairing your belt with Fix'N Go[®], you use a quick and long term permanent solution. No need to replace it. MLT specific screws are self-drilling and self-tapping : they spread the carcass threads without cutting them.

WHICH APPLICATIONS ?

Fix'N Go[®] can be used for repairing longitudinal rips, tears, holes and belt edge damage. Fix'N Go[®] can also be used for splicing two belts together, in the longitudinal direction. Fix'N Go[®] can be used for all textile carcass belts, up to 1250 N/mm.

TECHNICAL CHARACTERISTICS

Available versions :

- Anti-Abrasion and Heat Retardant
- Carbon steel inserts and screws

Width : 158 mm

Thickness top plate : 3 to 4 mm

Thickness bottom plate : 2 to 3 mm

Quantity of screws per meter : 150



PACKAGING

- Available in boxes of 2 meters or 20 meters, with screws.

INSTALLATION TOOLS

- Battery, electric or pneumatic operated drill or screwdriver
- Belt skiver

**TECHNOLOGY
USING SCREWS**

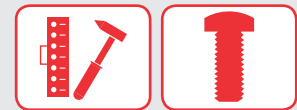


RIP REPAIR SPLICES / FASTENERS

BOLT PLATE FASTENERS

| | 1 | 140 | 190 | 1 1/2 | 2 | 2 1/2 |
|----------------------|--|------|------|-------|-------|-------|
| Belt thickness, mm | 5-11 | 5-12 | 8-14 | 1-17 | 16-21 | 19-25 |
| Minimum pulley ø, mm | 200 | 250 | 360 | 360 | 860 | 1070 |
| Fastener | Steel or stainless steel | | | | | |
| Packaging | Box of 10 or 25 fasteners (depending on type) Bucket of 100 fasteners (depending on type) | | | | | |
| Installation tool | Manual installation tools (punch, wrench, template etc.) | | | | | |

Bolt plate fasteners allow for simple and easy fixing, joining or repairing of the conveyor belt.



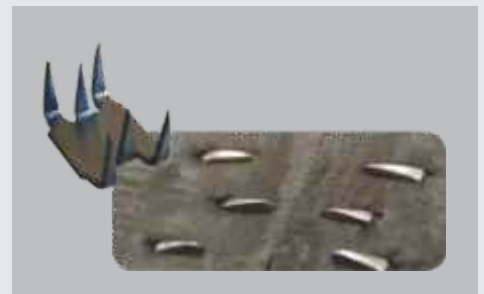
ADVANTAGE

- No costly installation tools necessary

6 POINTS FASTENERS

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--------------------|---|-----|------|-------|-------|-------|-------|
| Belt thickness, mm | 4-6 | 6-8 | 8-10 | 10-13 | 13-16 | 16-19 | 19-22 |
| Fastener | Coated steel + stainless steel for No 5 | | | | | | |
| Packaging | Box of 100 fasteners | | | | | | |
| Installation Tool | Hammer | | | | | | |

6 points fasteners allow easy fixing onto the conveyor belt. The tips of the fastener are very sharp. It can be used for conveyor belt rips or pulling the belts onto the conveyor.



ADVANTAGE

- Easy to install
- Fast to install
- No costly installation tools necessary
- Perfect for pulling belts in (rigging)

MULTIPOINTS FASTENERS

| | 110 | 112 | 113 | 114 | 115 | 117 |
|--------------------|-----------------------|-----|-------|--------|---------|---------|
| Belt thickness, mm | 3-4 | 6-8 | 8-9.5 | 9.5-11 | 11-14.5 | 14.5-17 |
| Fastener | Coated steel | | | | | |
| Packaging | Box of 2000 mm splice | | | | | |
| Installation Tool | Hammer | | | | | |

Multipoint fasteners allow you to easily repair conveyor belt rips or tears. It can be used for conveyor belt rips or pulling in belts to the conveyor



ADVANTAGE

- Easy to install
- Fast to install
- No costly installation tools necessary
- Perfect for pulling belts in

TOOLS / VULCANISING PRESSES



Belfast ss skiver



Various Skiver Blades



Angle grinder/polisher



Belfast screwdriver



Driving bits PZ



Belt clamps



Light & heavy materials handling Knife



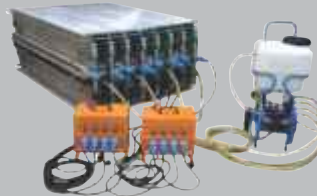
Light protection goggles



Work gloves



Engineering hammer



Water-bag Vulcanising press

vulcanizing presses



Presses with Mechanical Tightening

BMG also produces conveyor belt splicing systems, technical belts, tools, vulcanizing presses...



Self-Lock



MR



MS



6 points



Technical Belts



Clip'N Lock



Mine Fastener



Super Screw



ISC Splice



Super Screw Patch

BRINGING THE WORLD'S BEST BRANDS TO YOU

In the bid to procure cutting-edge components at competitive prices, BMG is able to capitalise on long-standing relationships with leading manufacturers dedicated to excellence in design and production.

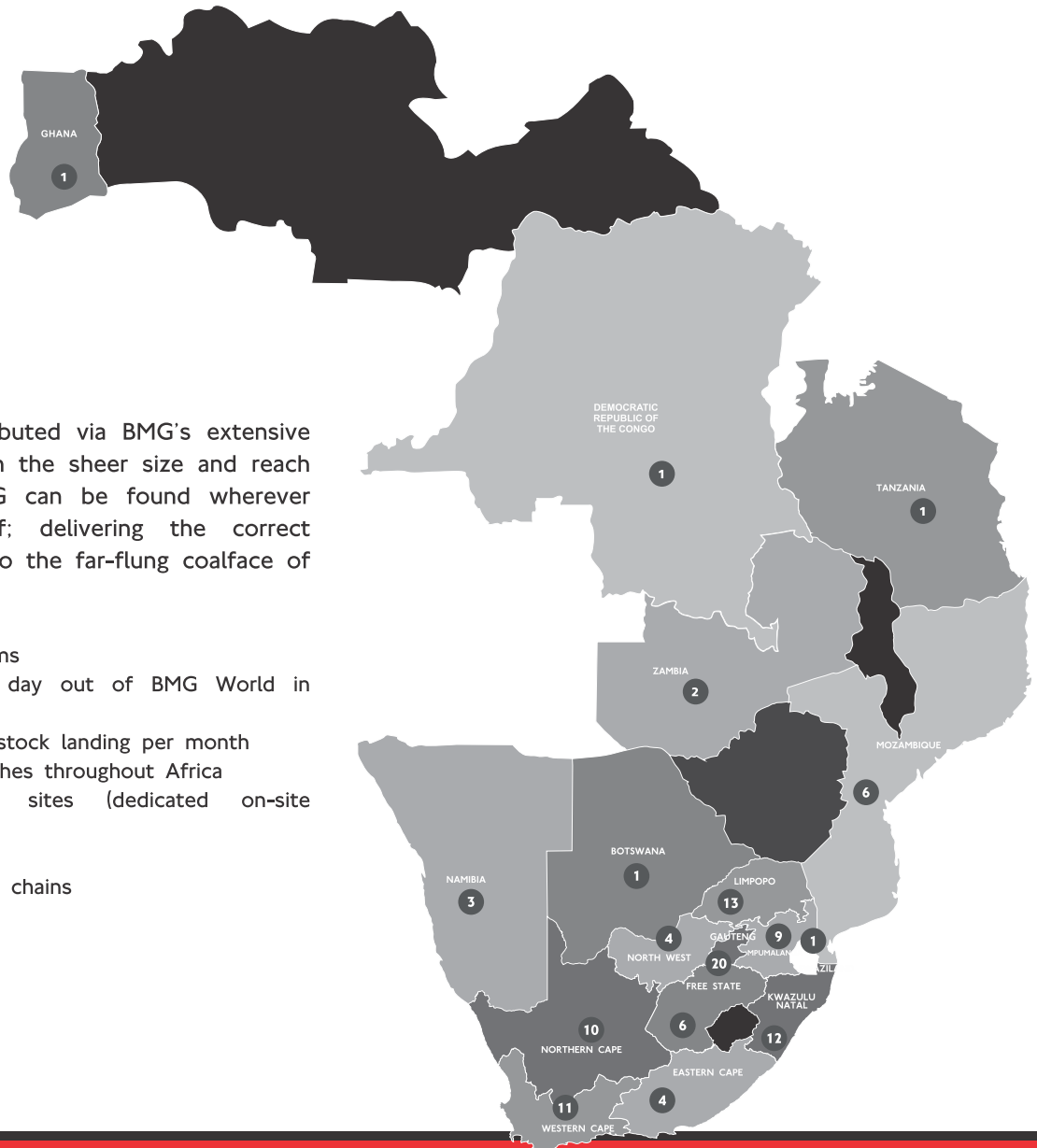
Products are imported from around the globe and brought to BMG's strategically located distribution facilities and regional service centres via the main distribution hub in Johannesburg - BMG World. A world-class facility boasting 308 000m³ of fully stocked warehouse space, an accredited training facility and unlimited engineering capabilities.

Preferred Brands:



Our Extensive Coverage Throughout Africa

105
BRANCHES



Products and services are distributed via BMG's extensive distribution network. It's through the sheer size and reach of our infrastructure, that BMG can be found wherever industry has established itself; delivering the correct components at the right time, to the far-flung coalface of our customers' operations.

- Over 300 000 product line items
- Around 4 500 transfers per day out of BMG World in Johannesburg
- Over 1 000 tons of imported stock landing per month
- 105 strategically situated branches throughout Africa
- Vendor Managed Inventory sites (dedicated on-site stockholding)
- International exports
- Locally empowered distribution chains

Bee PART

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