



// ONE BRAND // ONE SOURCE // ONE SYSTEM



# PRODUCT PORTFOLIO

REMA TIP TOP AUSTRALIA - 2020

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# About us

REMA TIP TOP is a pioneer of the rubber manufacturing industry with innovation and technological developments stretching throughout its almost 100-year history, founded in 1923. REMA TIP TOP products are used across the globe to extend the service life and reduce the maintenance costs of its customers assets.

We provide products and services for Australia's major mining houses, OEMs, EPCMs, and other organisations and suppliers across most industries. From specialist rubber lining, wear and corrosion protection, to total conveyor maintenance, management and product supply we are a global market leader in products and services for Materials Processing and Surface Protection.

In Australia, REMA TIP TOP has more than 700 employees, including a services network of more than 400 personnel operating out of strategically located hubs all around the country. As well as our on-site service capability we have rubber lining workshops in Perth and Brisbane with specialised equipment and people dedicated to this specialist trade.

## Our customers

We've worked with a range of industry leaders around the world to deliver innovative, best-in-class Wear Protection, Surface Protection and bulk Materials Processing solutions.

Our experience is unmatched, as is our commitment to safely delivering projects that are efficient and value aligned with our clients.



# We work together to realise a meaningful difference

## Our values

We work collaboratively with our customers to build relationships that are value aligned, all while working in some of the most challenging environments on the planet.

We're constantly pushing the boundaries to innovate, advocate and to ensure that our people can safely deliver sustainable businesses operations today and into the future.

With our values of People & Belonging, Integrity & Relationships, Courage & Bravery, Innovation & Improvement and Sustainability & Future Focus at its core, simply put our why is...

"We work together to realise a meaningful difference".



### People & Belonging

We're passionate about managing health, safety, environment and quality to ensure that every employee goes home safe and healthy every day. We attract and retain the right people and develop programmes to keep them happy and productive.



### Integrity & Relationships

From our suppliers to our staff and customers we act with integrity to achieve the best possible outcomes.

Our culture values teamwork & accountability to deliver world class performance. We want to build long term relationships that benefit all stakeholders.



### Courage & Bravery

We strive for a confident and empowered workforce which has clarity in its actions. Our leadership is clear in its vision and our people are confident to challenge if they can see a smarter way forward. Reward comes from measured risk.



### Innovation & Improvement

A strong continuous improvement focus is embedded in the way we work. We optimise product and services delivery by challenging constraints & processes.

Our aim is to add value and differentiate by being better at what we do than anyone else.



### Sustainability & Future Focus

A strong continuous improvement focus is embedded in the way we work. We optimise product and services delivery by challenging constraints & processes.

Our aim is to add value and differentiate by being better at what we do than anyone else.

# Health, Safety, Environment & Quality

## Quality

REMA TIP TOP is committed to providing our customers a readily available supply of products and services to meet their requirements.

Our customers are central to our operation and their satisfaction is our goal.

We have a quality management system that we seek to continually improve according to the principles of ISO 9001, focusing on the key areas of:

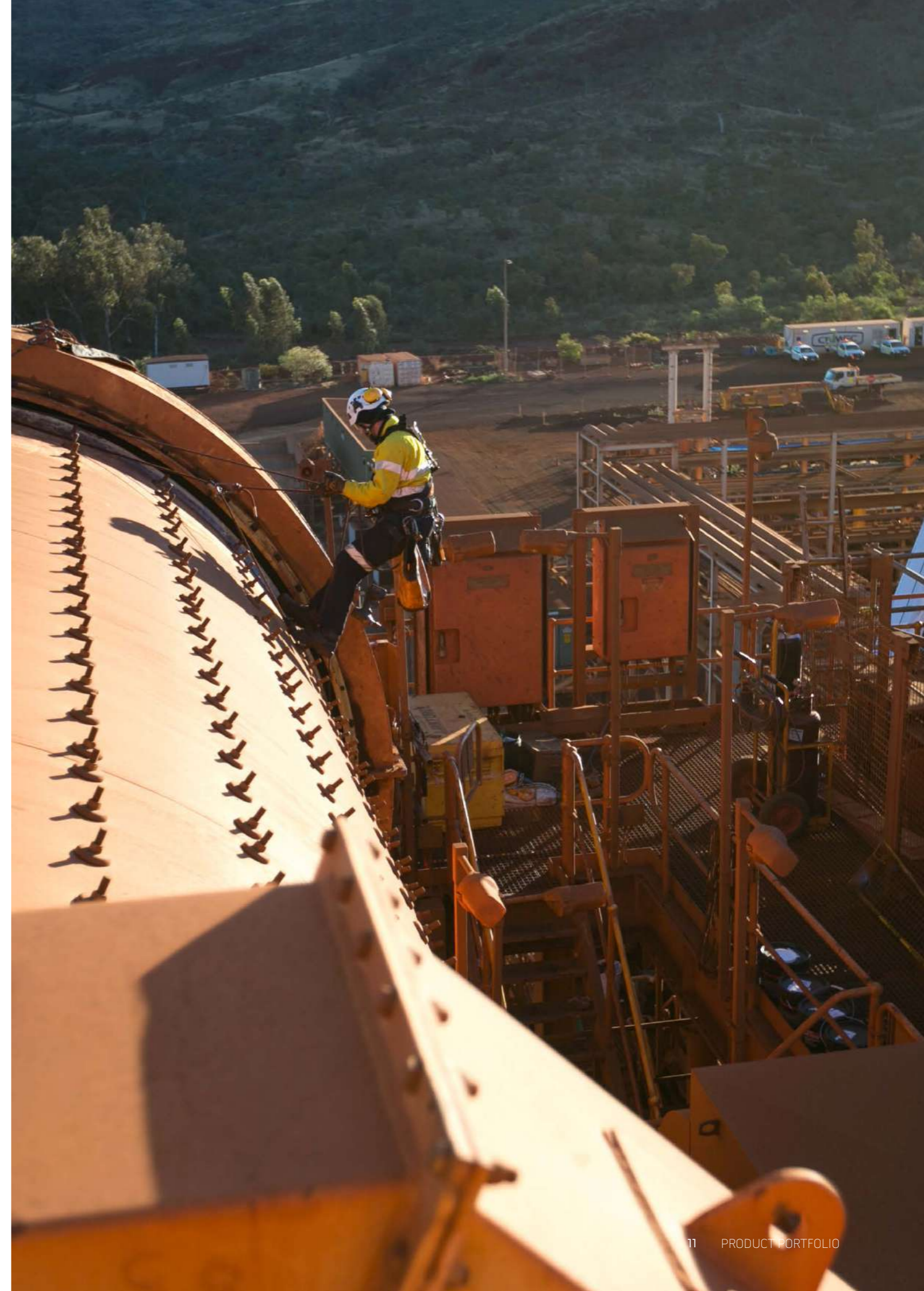
- Customer satisfaction
- Leadership
- Engagement of our people
- Process approach
- Improvement
- Evidence based decision making
- Relationship management

## Health, Safety & Environment

We understand that to meet our customers' needs, we need to have the best people enthusiastically driving outcomes for you. Through our MATESAFE culture, safety framework, training capabilities and HR initiatives we promote our values and drive a positive team culture.

Being MATESAFE means being accountable for your safety and the safety of those you interact with. Our MATESAFE culture is built on the foundation of a safety management system that includes:

- Risk management
- Hazard identification
- Isolation
- Manual handling
- Contractor management
- Purchasing
- Injury management
- Return to work procedures
- Working at heights
- Confined spaces
- Handling of hazardous substances





## Industrial Solutions

Our Industrial Solutions provide plant operators across a range of industries an extensive range of proven products and services tailored to the specific needs of their individual plant.

Right across the value chain, our range of Wear Protection, Surface Protection, Materials Processing and innovative technologies provide plant operators with the means necessary to drive performance, maximise site productivity, increase throughput and reduce costs.

Known for our extensive and proven history providing conveyor maintenance solutions and services for some of the world's largest mining companies, we're now taking the next step with our Industrial Solutions to drive operational efficiency and provide solutions for our customer's entire range of plant assets, right across the value chain.

# Service Capability

Our service and maintenance solutions focus on plant availability. We have dedicated service and maintenance crews that are available 24/7 to assist with any major plant breakdowns.

## Maintenance Services

- 24/7 availability of service crews to assist with any major problems
- Highly skilled, trained and motivated service crews
- Belt splicing and repair
- Pulley lagging and refurbishment
- Mechanical maintenance
- Inspection, monitoring and consulting using CMMS

## Spare Part & Equipment Management

- Reliable spare management for components like pulleys, magnet belts, impact beds, pipes and more.
- Reduced shutdown times whilst
- Cost-efficient equipment hire, including 5-80 tonne belt winders, vulcanising equipment, winches, dehumidifiers, QA/QC equipment and more.

## Turnkey Installation Services

- Surface preparation
- Abrasion blasting
- Rubber lining application
- QA/QC inspections and documentation
- Installation of conveyor belts, pulleys, idlers, belt cleaners, skirting and more.



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Industry Hubs



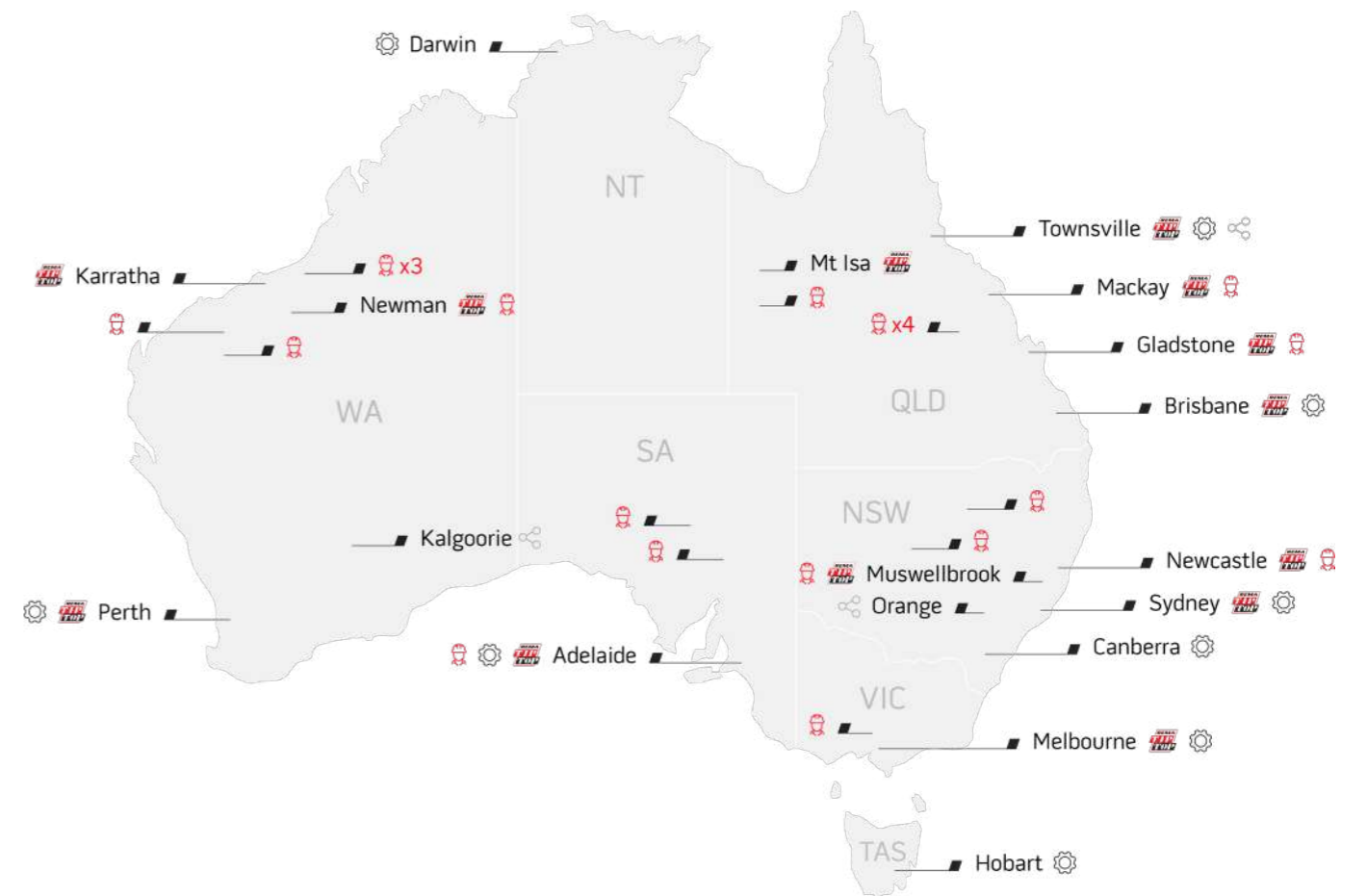
3  
Rubber Lining Workshops



700+  
Employees



8  
Materials Handling Workshops



REMA TIP TOP  
Location



REMA TIP TOP  
Site Presence



REMA TIP TOP  
Automotive



REMA TIP TOP  
Distributor

## Industry Hubs

### NSW

Warabrook,  
Muswellbrook

### WA

Perth, Karratha,  
Newman

### QLD

Brisbane, Mackay,  
Gladstone, Mt Isa

### VIC

Dandenong  
(supply only)

### SA

Adelaide



# Analysis & Innovation

Our highly experienced local and international consulting solutions teams of conveyor experts have skills which enable us to assist our customers with management of Bulk Materials Handling Systems and related equipment, from conceptual design through to commissioning and operation, including aspects such as:

## Engineering



- Audits & design checks



- Engineering design upgrades



- Optimisation studies



- Project management

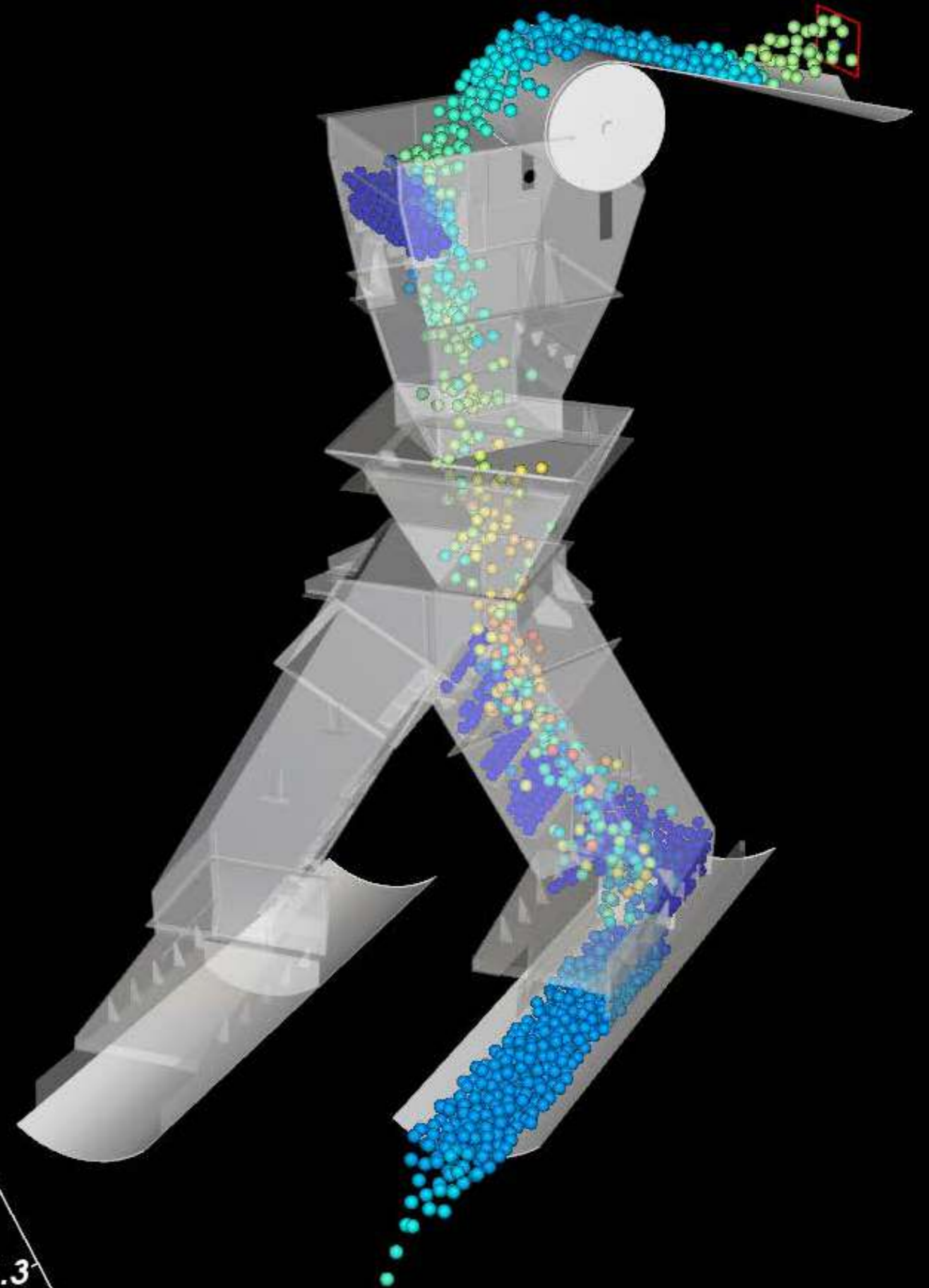
## Equipment



- Equipment design & upgrades

## Service

- Process flow investigations to obtain the best technical solution
- Detailed conveyor mechanical design
- Design of new materials handling equipment
- Design verification and audits
- Provision of technical support to client supply chain
- Project Management: from concept to commissioning
- Site inspections and reporting
- Detailed conveyor audit
- Trouble shooting on site
- Failure analysis
- One stop conveyor service solutions – material to service support
- Conveyor maintenance expertise and implementation
- Optimisation in Bulk Handling Systems
- Specialised monitoring equipment to enhance belt life
- Provision of specialised conveyor maintenance and conveyor belt splicing training





## Technology

The modern sensor technology from REMA MCube and the associated REMA CCube Software, allows for digital and cloud-based monitoring, and enables plant operators to detect and eliminate critical loads at an early stage in order to prevent belt damage.



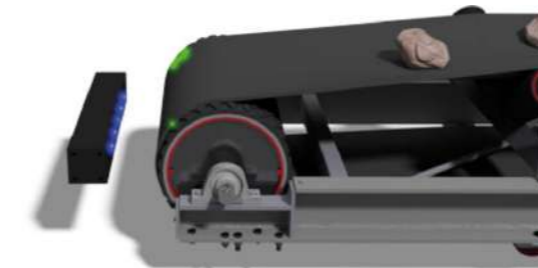
### MCUBE Monitor / Maintain / Manage

Innovative technology solutions such as belt rip detection, belt thickness monitoring, scanning and sensors, provided by MCube, can be used to provide plant operators with greater insight into the current status of their conveyor belts by providing real-time data showing any forms of damage.



#### RFID BELT RIP DETECTION

- Unique RFID Antenna ID Code
- Stops the belt when longitudinal rips are detected
- Antennas can be detected at 15m/s
- Antennas installed at shorter intervals to offer greater protection



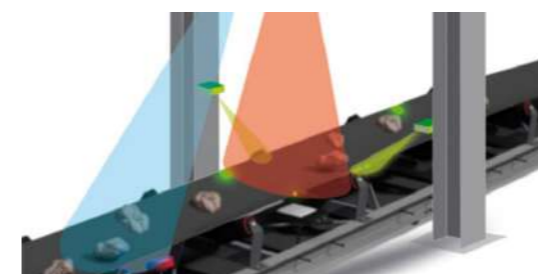
#### BTM BELT THICKNESS MONITORING

- Shows all wear and damage to the conveyor belt
- Accurate reporting of belt wear or damage
- Predicts the remaining lifetime of the belt
- Generates a belt image after the first revolution



#### STEEL CORD SCAN

- Available as a modular or fixed installation
- Shows all cord damage to the conveyor belt
- Indicates the health of all splices
- Operates continuously while the belt is in full operation



#### RADAR BASED SENSOR SYSTEMS

- REMA MCube rBVS - RADAR Belt Volume Scanning System
- REMA MCube rBSM - RADAR Belt Speed Measuring System
- REMA MCube rBAM - RADAR Belt Alignment Measuring System

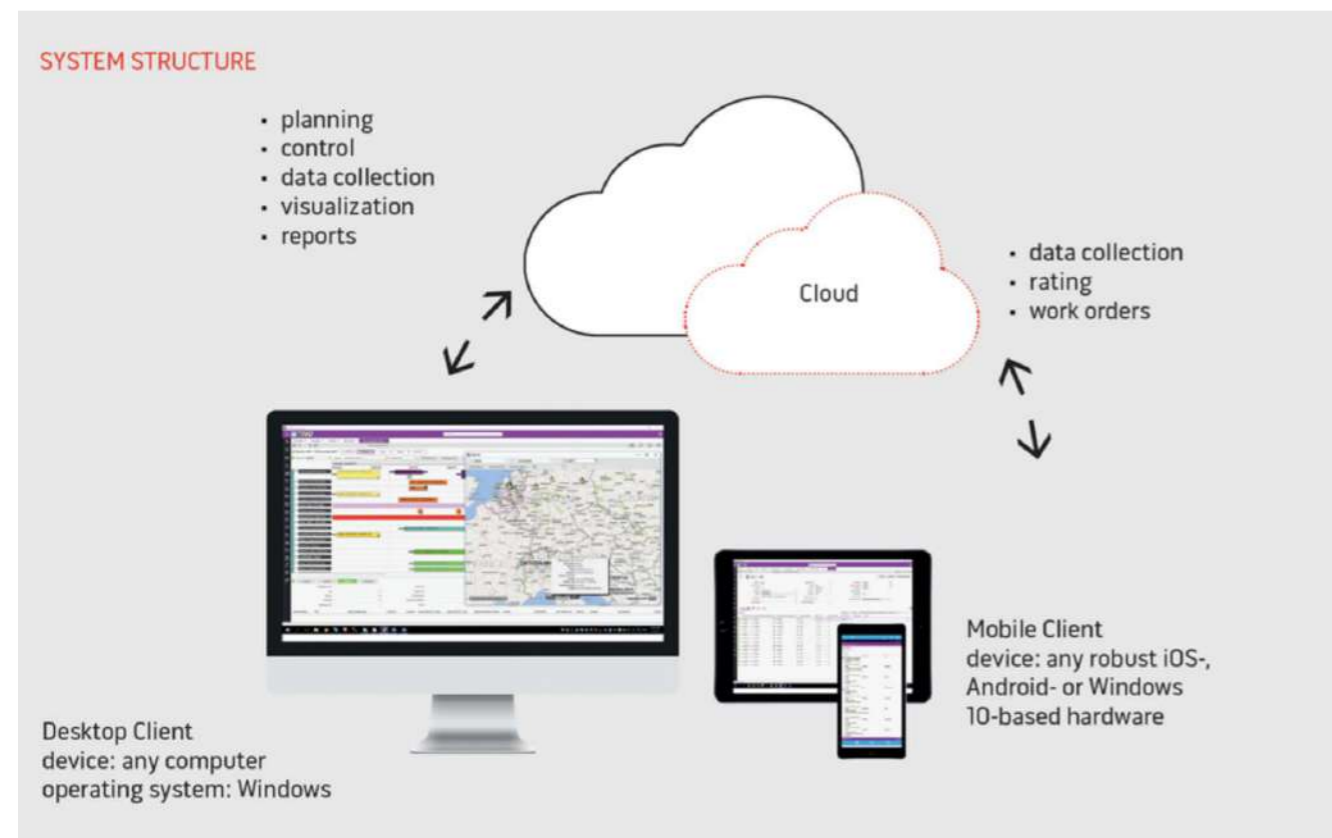


## CCUBE Command / Control / Communicate

Whilst hardware technology solutions provide the means to collect data and information, equally important to plant operators is the management, analysis and reporting of this data and information. Cloud-based solutions, provided by CCube, enable an efficient, controlled maintenance workflow for equipment, whilst providing real time reporting and planning of maintenance and inspection activities.

### Key Features

- A central global system that works with local offline-enabled clients
- Worldwide available around the clock
- Customer plant management at component level
- System-supported and semi-automated inspection
- Electronic data collection with state-of-the-art mobile systems
- Automated reporting based on quality-assured processes
- Automated suggestion scheme for improvement activities





## Training & Development

Our professional/personal growth and career development opportunities are made available to all our people and we encourage everybody to take advantage.

At the centre of our growth and development opportunities are your career goals, individual strengths, motivations and personal interests. We work with you to ensure that you can achieve your best for both your personal and professional development and the success of our business.

Regular discussions are held throughout the year between our employees and managers with the aim of fostering continuous feedback and communication for future performance and development.

Our registered Training Organisation, REMA TIP TOP Academy, provides our employees with in-house industry standard training across a range of leadership, management and industry specific courses.

# Corporate Social Responsibility

## Community

We are committed to supporting a range of programs and initiatives in our community. We have a focus on contributing to local organisations because that's where we believe we can make the biggest difference.

We have a strategic joint venture partnership with Karlayura in Western Australia. Karlayura is a proudly 100% Aboriginal owned profit-for-purpose business. It exists to preserve Aboriginal cultural traditions and develop strong, self-sustaining communities.

Through its strategic partnerships Karlayura completes civil and mining infrastructure projects, delivers conveyor maintenance services, as well as supplying both skilled and unskilled local Aboriginal labour.

REMA TIP TOP runs a full suite of internal programs aimed at improving the wellbeing of all our staff. We actively encourage our staff to take part in community activities and initiatives and support them in every way we can. Our community is something we are really passionate about.

## Sustainability

Sustainability is central to everything we do. By combining the work of our innovation specialists continuously developing new materials and solutions in our laboratories, and our operation and services crews keeping your equipment in its best state, we maximise economic efficiencies and environmental protection.

Equally central to this is our approach to business sustainability. We utilise our global supply chain and strong network of manufacturers to be an ethical and sustainable supplier of innovative product and service solutions in the Australia materials processing industry.

We believe that an integrated and transparent approach to governance, ethics, risk and compliance, strengthens our values and promotes our objectives as a responsible, sustainable business.



# 1. Wear Protection Lining

## REMA PERFORMANCEline 28

High quality rubber lining.

## REMALINE 30

The perfect way to reliable production planning.

## REMASTAR 34

Premium quality with extreme abrasion resistance.

## UNILINE 35

The lining for simple applications and wet wear.

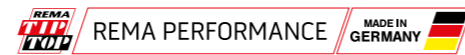
## REMATHAN 37

High-quality polyurethane lining material.



## WEAR PROTECTION LINING

REMA PERFORMANCEline – High-quality rubber lining material



### REMA PERFORMANCEline 35/CN – Premium quality for wet processing

REMA PERFORMANCEline 35/CN is a first class wear protection product for wet processing. Whether sand, gravel, or clay: when processing round grain and sticky materials, the rubber lining is characterized by its excellent abrasion value. Thanks to the further developed formula, the soft rubber compound is designed especially for wet processing and slurry handling. The added value for customers: An additional improved service life, lower maintenance costs and optimized plant performance.



REMA PERFORMANCEline 35

#### Properties

- Highly wear-resistant, especially resistant to wet abrasion
- Safe protection against material build-up
- Highly elastic
- Excellent self-cleaning capability
- Simple and easy to bond with REMA TIP TOP Premium bonding layer
- Improved abrasion

#### Area of application

- Slurry handling
- Lining of slurry chutes, pipes, pumps, hydrocyclones, flotation cells, tanks and launders for example in the sand and gravel industry
- Chutes / discharge hoses for ready mixed concrete
- Lining of excavator buckets to prevent caking

### REMA PERFORMANCEline 35/CN

#### Specifications

Polymer basis	NR	DIN ISO 1629
Specific weight	0.98 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	38 Shore A	DIN ISO 7619-1
Colour	Black	
Tear growth resistance	7 N/mm	ISO 34-1 Method A

Ref. No.	Designation	Dimensions	Weight
521 0182	REMA PERFORMANCEline 35/CN	6x2000x10000 mm	6,90 kg/m <sup>2</sup>
521 0186	REMA PERFORMANCEline 35/CN	8x2000x10000 mm	8,96 kg/m <sup>2</sup>
521 0192	REMA PERFORMANCEline 35/CN	10x2000x10000 mm	11,00 kg/m <sup>2</sup>
521 0197	REMA PERFORMANCEline 35/CN	12x2000x10000 mm	12,96 kg/m <sup>2</sup>
521 0222	REMA PERFORMANCEline 35/CN	15x2000x10000 mm	16,20 kg/m <sup>2</sup>

\*Special properties available upon request.

## WEAR PROTECTION LINING

REMA PERFORMANCEline – High-quality rubber lining material



### REMA PERFORMANCEline 70 – The optimum wear protection solution

REMA PERFORMANCEline 70/CN is the optimum wear protection solution for extreme loads and a premium abrasion resistance. Due to the perfectly matched technical values REMA PERFORMANCEline 70/CN provides an excellent tensile strength, and an improved tear growth resistance. As a result, material transfers and other system components with wear and impact problems are optimally equipped.



REMA PERFORMANCEline 70

#### Properties

- Superior resistance to wear
- Excellent resistance to abrasion
- Extremely high tensile strength
- Good weather resistance
- Simple and easy to bond with REMA TIP TOP Premium bonding layer
- Improved abrasion
- Improved elongation at break

#### Area of application

- Material transfer points, chutes, bunkers and slides
- Lining for truck bodies, Impact curtains and vibrating conveyors
- Lagging for non-driven pulleys with moderate to high belt tension
- Cold refurbishing of conveyor belts
- Mill lining

### REMA PERFORMANCEline 70/CN

#### Specifications

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.12 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	65 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Weight	Special properties*
521 0182	REMA PERFORMANCEline 70/CN	3 x 1 500 x 10 000 mm	4.14 kg/m <sup>2</sup>	REMA PERFORMANCEline 70/EP160 Fabric reinforced wear protection solution.
521 0186	REMA PERFORMANCEline 70/CN	5 x 2 000 x 10 000 mm	6.30 kg/m <sup>2</sup>	
521 0192	REMA PERFORMANCEline 70/CN	6 x 2 000 x 10 000 mm	7.25 kg/m <sup>2</sup>	
521 0197	REMA PERFORMANCEline 70/CN	8 x 2 000 x 10 000 mm	9.24 kg/m <sup>2</sup>	
521 0202	REMA PERFORMANCEline 70/CN	10 x 2 000 x 10 000 mm	11.90 kg/m <sup>2</sup>	
521 0207	REMA PERFORMANCEline 70/CN	12 x 2 000 x 10 000 mm	14.10 kg/m <sup>2</sup>	
521 0212	REMA PERFORMANCEline 70/CN	15 x 2 000 x 10 000 mm	17.40 kg/m <sup>2</sup>	
521 0217	REMA PERFORMANCEline 70/CN	20 x 2 000 x 10 000 mm	23.20 kg/m <sup>2</sup>	
521 0222	REMA PERFORMANCEline 70/CN	25 x 2 000 x 10 000 mm	28.75 kg/m <sup>2</sup>	

\*Special properties available upon request.

WEAR PROTECTION LINING  
REMALINE – High-quality rubber lining material

REMALINE MP 35 – The perfect way to reliable production planning

REMALINE MP 35/CN puts an end to premature, unplanned system downtime and unnecessary maintenance and standstill costs! This new development, which points the way to the future of lining materials, offers you more than just first-class surface protection. It also gives you a timely reminder when the lining needs to be renewed. Thus, you can easily plan and schedule to ensure smooth-running production processes, and significantly increased system productivity. A decisive advantage, particularly where it is difficult to check the thickness of the lining using conventional methods.



REMALINE MP 35

**Properties**

- Safe protection against wear and material build-up with built-in wear indicator
- Yellow wear layer
- Red signal layer
- Very wear resistant, particularly for wet use
- Very elastic
- High self-cleaning effect
- Noise damping; reduces dust formation
- CN bonding layer provides fast and good adhesion

**Area of application**

- Especially suitable for conveying components that are hard to access and inspect by conventional methods
- Lining of drains, pipes, hydrocyclones, flotation cells, tanks, etc for example in the sand and gravel industry
- Slurry handling
- Flexilo and bunker lining
- Lining of excavator buckets to prevent caking

REMALINE MP 35/CN

**Specifications**

Polymer basis	NR	DIN ISO 1629
Specific weight	0.96 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	33 Shore A	DIN ISO 7619-1
Colour	Yellow/Red*	

Ref. No.	Designation	Dimensions	Signal layer	Weight
549 1710	REMALINE MP 35/CN	6(4) x 2 000 x 10 000 mm	2 mm	6.9 kg/m <sup>2</sup>
549 1720	REMALINE MP 35/CN	10(6) x 2 000 x 10 000 mm	4 mm	11 kg/m <sup>2</sup>
549 1730	REMALINE MP 35/CN	12(8) x 2 000 x 10 000 mm	4 mm	12.96 kg/m <sup>2</sup>
549 1740	REMALINE MP 35/CN	15(11) x 2 000 x 10 000 mm	4 mm	16.20 kg/m <sup>2</sup>
549 1750	REMALINE MP 35/CN	20(16) x 2 000 x 10 000 mm	4 mm	21.60 kg/m <sup>2</sup>

**Special properties\***

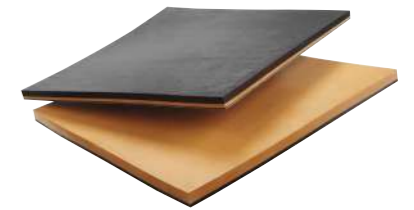
**REMALINE 35/EP160**  
Fabric reinforced premium quality for wet wear and build up.

\*Please note that this is a product based on natural rubber and therefore variations in color may occur.  
\*Special properties available upon request.

WEAR PROTECTION LINING  
REMALINE – High-quality rubber lining material

REMALINE MP 40 – The perfect way to reliable production planning

REMALINE MP 40 puts an end to premature, unplanned system downtime and unnecessary maintenance and standstill costs! This new development, which points the way to the future of lining materials, offers you more than just first-class surface protection. It also gives you a timely reminder when the lining needs to be renewed. Thus, you can easily plan and schedule to ensure smooth-running production processes, and significantly increased system productivity. A decisive advantage, particularly where it is difficult to check the thickness of the lining using conventional methods.



REMALINE MP 40

**Properties**

- Safe protection against wear and material build-up with built-in wear indicator
- Orange wear layer
- Black signal layer
- Very wear resistant, particularly for wet use
- Very elastic
- High self-cleaning effect
- Noise damping; reduces dust formation
- CN bonding layer provides fast and good adhesion

**Area of application**

- Especially suitable for conveying components that are hard to access and inspect by conventional methods
- Lining of drains, pipes, hydrocyclones, flotation cells, tanks, etc for example in the sand and gravel industry
- Slurry handling
- Flexilo and bunker lining
- Lining of excavator buckets to prevent caking

REMALINE MP 40/CN

**Specifications**

Polymer basis	NR	DIN ISO 1629
Specific weight	1.05 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	44 Shore A	DIN ISO 7619-1
Colour	Orange/Black**	

Ref. No.	Designation	Dimensions	Signal layer	Weight
549 1630	REMALINE MP 40/CN	6(4) x 2000 x 10 000 mm	2 mm	6.80 kg/m <sup>2</sup>
549 1631	REMALINE MP 40/CN	8(6) x 2000 x 10 000 mm	2 mm	9.15 kg/m <sup>2</sup>
549 1632	REMALINE MP 40/CN	10(6) x 2000 x 10 000 mm	4 mm	11.13 kg/m <sup>2</sup>
549 1633	REMALINE MP 40/CN	12(8) x 2000 x 10 000 mm	4 mm	13.23 kg/m <sup>2</sup>
549 1634	REMALINE MP 40/CN	15(11) x 2000 x 10 000 mm	4 mm	16.85 kg/m <sup>2</sup>
549 1635	REMALINE MP 40/CN	20(16) x 2000 x 10 000 mm	4 mm	21.84 kg/m <sup>2</sup>
549 1636	REMALINE MP 40/CN	25(21) x 2000 x 10 000 mm	4 mm	27.04 kg/m <sup>2</sup>
549 1490	REMALINE MP 40/CN	50(40) x 2000 x 5 000 mm	10 mm	54.08 kg/m <sup>2</sup>

**Special properties\***

**REMALINE 40/EP160**  
Fabric reinforced universal lining for many applications.

**REMALINE 40 OIL**  
Oil and grease resistant universal lining.

**REMALINE 40 White Food**  
Universal food lining for many applications.

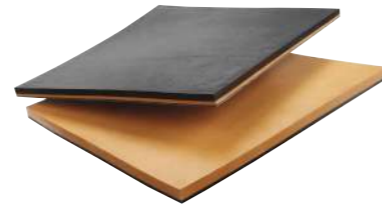
\*\*Please note that this is a product based on natural rubber and therefore deviations in color may occur.  
\*Special properties available upon request.



WEAR PROTECTION LINING  
REMALINE – High-quality rubber lining material

REMALINE MP 60 – The perfect way to reliable production planning

REMALINE MP 60 puts an end to premature, unplanned system downtime and unnecessary maintenance and standstill costs! This new development, which points the way to the future of lining materials, offers you more than just first-class surface protection. It also gives you a timely reminder when the lining needs to be renewed. Thus, you can easily plan and schedule to ensure smooth-running production processes, and significantly increased system productivity. A decisive advantage, particularly where it is difficult to check the thickness of the lining using conventional methods.



REMALINE MP 60

**Properties**

- Safe protection against wear and material build-up with built-in wear indicator
- Black wear layer
- Orange signal layer
- Excellent wear resistance to dry abrasion and impact
- Very elastic
- High self-cleaning effect
- Noise damping; reduces dust formation
- Good weather resistance
- CN bonding layer provides fast and good adhesion

**Area of application**

- Especially suitable for conveying components that are hard to access and inspect by conventional methods
- Lining of drains, pipes, hydrocyclones, flotation cells, tanks, etc for example in the sand and gravel industry

REMALINE MP 60/CN

**Specifications**

Polymer basis	BR/IR/SBR/NR	DIN ISO 1629
Specific weight	1.13 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Colour	Black/Orange	

Ref. No.	Designation	Dimensions	Signal layer	Weight
549 1640	REMALINE MP 60/CN	6(4) x 2 000 x 10 000 mm	2 mm	7.27 kg/m <sup>2</sup>
549 1641	REMALINE MP 60/CN	10(6) x 2 000 x 10 000 mm	4 mm	11.91 kg/m <sup>2</sup>
549 1642	REMALINE MP 60/CN	12(8) x 2 000 x 10 000 mm	4 mm	14.28 kg/m <sup>2</sup>
549 1643	REMALINE MP 60/CN	20(16) x 2 000 x 10 000 mm	4 mm	23.86 kg/m <sup>2</sup>
549 1644	REMALINE MP 60/CN	25(21) x 2 000 x 10 000 mm	4 mm	29.68 kg/m <sup>2</sup>
549 1645	REMALINE MP 60/CN	50(40) x 2 000 x 10 000 mm	10 mm	59.22 kg/m <sup>2</sup>

**Special properties\***

**REMALINE 60/EP160**  
Fabric reinforced lining for protection against impact wear.

\*Special properties available upon request.

WEAR PROTECTION LINING  
REMALINE – High-quality rubber lining material

REMALINE 70 – Premium quality for tough wear situations

REMALINE 70 is a material featuring especially excellent resistance to abrasion. REMALINE 70 is the material of choice for applications with extremely high wear and impact. Due to its high tear resistance and tensile strength, REMALINE 70 is especially suitable for equipment used to convey large-particle, broken and sharp-edged material.



REMALINE 70

**Properties**

- Superior resistance to wear
- Excellent resistance to abrasion
- Extremely high tensile strength
- Good weather resistance
- CN bonding layer provides fast and long-lasting adhesion

**Area of application**

- Material transfer points, chutes, bunkers and slides
- Lining for truck bodies, impact curtains and vibrating conveyors
- Lagging for non-driven pulleys with moderate to high belt tension
- Cold refurbishing of conveyor belts
- Mill lining

REMALINE 70/CN

**Specifications**

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.09 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	63 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Weight
549 3210	REMALINE 70/CN	3x1500x10 000 mm	4.14 kg/m <sup>2</sup>
549 9100	REMALINE 70/CN	5x2000x10 000 mm	6.30 kg/m <sup>2</sup>
549 9110	REMALINE 70/CN	6x2000x10 000 mm	7.25 kg/m <sup>2</sup>
549 3289	REMALINE 70/CN	8x2000x10 000 mm	9.24 kg/m <sup>2</sup>
549 3313	REMALINE 70/CN	10x2000x10 000 mm	11.90 kg/m <sup>2</sup>
549 3337	REMALINE 70/CN	12x2000x10 000 mm	14.04 kg/m <sup>2</sup>
549 3351	REMALINE 70/CN	15x2000x10 000 mm	17.40 kg/m <sup>2</sup>
549 3375	REMALINE 70/CN	20x2000x10 000 mm	23.20 kg/m <sup>2</sup>
549 3399	REMALINE 70/CN	25x2000x10 000 mm	28.75 kg/m <sup>2</sup>
549 3416	REMALINE 70/CN	30x2000x10 000 mm	34.50 kg/m <sup>2</sup>
549 3430	REMALINE 70/CN	40x2000x5000 mm	46.00 kg/m <sup>2</sup>
549 3454	REMALINE 70/CN	50x2000x5000 mm	57.50 kg/m <sup>2</sup>

**Special properties\***

**REMALINE 60/EP160**  
Fabric reinforced lining for protection against impact wear.

**REMALINE 70 OIL**  
The oil and grease resistant premium quality for tough wear situations.

**REMALINE 70 OIL/EP160**  
The fabric reinforced, oil and grease resistant premium quality for tough wear situations.

**REMALINE 70 V**  
The self-extinguishing premium quality for tough wear situations.

**REMALINE 70 HR**  
The heat resistant premium quality for tough wear situations.

**REMALINE 70 WHITE OIL FOOD**  
The oil and grease resistant premium food quality for tough wear situations.

\*Special properties available upon request.

WEAR PROTECTION LINING  
REMASTAR – High wear-resistance TPU lining material

REMASTAR – Premium quality with extreme abrasion resistance

REMASTAR is a combination of thermoplastic polyurethane and rubber and features new and significantly improved features compared to existing lining materials. REMASTAR provides excellent resistance to wear caused by cutting and grooving and remains flexible even at low temperatures. The material is resistant to oils, grease and many solvents and also to ageing.



REMASTAR

**Properties**

- Excellent abrasion resistance
- High resistance to wear caused by cutting and grooving
- Resistant to oils, grease and many solvents
- Remains flexible even at low temperatures
- CN bonding layer provides fast and lasting adhesion

**Area of application**

- Lining of vibration chutes, slides, silos, bunkers
- Wear protection of magnetic belts

REMASTAR

Base: Rubber with CN bonding layer, 1 mm

**Specifications**

Polymer basis	TPU	DIN ISO 1629
Specific weight	1.20 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	85 Shore A	DIN ISO 7619-1
Colour	Red	

Ref. No.	Designation	Dimensions	Weight
549 4482	REMASTAR/CN	6 x 1 500 x 10 000 mm	7.4 kg/m <sup>2</sup>

WEAR PROTECTION LINING  
UNILINE – Rubber lining material

UNILINE 40 RED – Lining for wet wear applications

UNILINE 40 RED is the economical wear protection solution for a variety of applications. The UNILINE 40 RED is designed to be used in wet applications with a good resistance to tearing.



UNILINE 40 RED

**Properties**

- Wear-resistant
- Good elasticity
- Green contact layer (KS)

**Area of application**

- Protection against minor, wet wear

UNILINE 40 RED/KS

**Specifications**

Polymer basis	NR	DIN ISO 1629
Hardness	45 Shore A	DIN 53 505
Colour	Red	

Ref. No.	Designation	Dimensions	Weight
550 3503	UNILINE 40/KS	3 x 1 500 x 10 000 mm	3.75 kg/m <sup>2</sup>
550 3433	UNILINE 40/KS	4 x 2 000 x 10 000 mm	4.96 kg/m <sup>2</sup>
550 3432	UNILINE 40/KS	5 x 2 000 x 10 000 mm	6.50 kg/m <sup>2</sup>
550 3421	UNILINE 40/KS	6 x 2 000 x 10 000 mm	7.25 kg/m <sup>2</sup>
550 3446	UNILINE 40/KS	8 x 2 000 x 10 000 mm	9.49 kg/m <sup>2</sup>
550 3453	UNILINE 40/KS	10 x 2 000 x 10 000 mm	11.87 kg/m <sup>2</sup>
550 3540	UNILINE 40/KS	12 x 2 000 x 10 000 mm	14.11 kg/m <sup>2</sup>
550 3479	UNILINE 40/KS	15 x 2 000 x 10 000 mm	17.64 kg/m <sup>2</sup>
550 3486	UNILINE 40/KS	20 x 2 000 x 10 000 mm	23.31 kg/m <sup>2</sup>
550 3493	UNILINE 40/KS	25 x 2 000 x 10 000 mm	29.14 kg/m <sup>2</sup>
550 3449	UNILINE 40/KS	8 x 1 500 x 10 000 mm	9.49 kg/m <sup>2</sup>
550 3456	UNILINE 40/KS	10 x 1 500 x 10 000 mm	11.87 kg/m <sup>2</sup>
550 3480	UNILINE 40/KS	15 x 1 500 x 10 000 mm	17.64 kg/m <sup>2</sup>

WEAR PROTECTION LINING  
UNILINE – Rubber lining material

**UNILINE 60** – Lining for dry wear applications

UNILINE 60 is designed to be used in dry applications with good resistance to abrasion and impact.

**Properties**

- Wear-resistant
- Good tear growth resistance
- Green contact layer (KS)

**Area of application**

- Protection against minor, dry wear



UNILINE 60

**UNILINE 60/KS**

**Specifications**

Polymer basis	NR/BR/SBR	DIN ISO 1629
Hardness	61 Shore A	DIN ISO 7619-1
Colour	Black	
FRAS approval	VH60	

Ref. No.	Designation	Dimensions	Weight
550 3351	UNILINE 60/KS	3 x 1 500 x 10 000 mm	3.97 kg/m <sup>2</sup>
550 7520	UNILINE 60/KS	5 x 2 000 x 10 000 mm	6.51 kg/m <sup>2</sup>
550 3280	<b>UNILINE 60/KS</b>	6 x 2 000 x 10 000 mm	7.81 kg/m <sup>2</sup>
550 3296	<b>UNILINE 60/KS</b>	8 x 2 000 x 10 000 mm	10.33 kg/m <sup>2</sup>
550 3306	<b>UNILINE 60/KS</b>	10 x 2 000 x 10 000 mm	12.92 kg/m <sup>2</sup>
550 3313	<b>UNILINE 60/KS</b>	12 x 2 000 x 10 000 mm	15.37 kg/m <sup>2</sup>
550 3320	<b>UNILINE 60/KS</b>	15 x 2 000 x 10 000 mm	19.22 kg/m <sup>2</sup>
550 3337	<b>UNILINE 60/KS</b>	20 x 2 000 x 10 000 mm	25.62 kg/m <sup>2</sup>
550 3344	UNILINE 60/KS	25 x 2 000 x 10 000 mm	32.03 kg/m <sup>2</sup>
550 3920	UNILINE 60/KS	30 x 2 000 x 10 000 mm	38.43 kg/m <sup>2</sup>
550 3270	UNILINE 60/KS	40 x 2 000 x 5 000 mm	50.82 kg/m <sup>2</sup>
550 3260	UNILINE 60/KS	50 x 2 000 x 5 000 mm	63.53 kg/m <sup>2</sup>
550 3302	UNILINE 60/KS	8 x 1 500 x 10 000 mm	10.33 kg/m <sup>2</sup>
550 3310	UNILINE 60/KS	10 x 1 500 x 10 000 mm	12.92 kg/m <sup>2</sup>
550 3322	UNILINE 60/KS	15 x 1 500 x 10 000 mm	19.22 kg/m <sup>2</sup>

WEAR PROTECTION LINING  
REMATHAN – High-quality polyurethane lining material

**REMATHAN G 65/CN** – High quality polyurethane lining material

REMATHAN premium wear protection plates are a convincing choice thanks to their extremely high wear resistance and their excellent resistance to oil and grease.

**Properties**

- High resistance to wear
- Oil and grease resistant
- Resists hydrolysis
- Resists microbes
- High impact elasticity
- High notch value
- Temperature range from -30°C to +80°C
- CN bonding layer provides fast and lasting adhesion

**Area of application**

- Oil, grease and wear-resistant lining
- Prevents caking and noise
- Slides and chutes
- Slip ground containers
- Grain applications



REMATHAN G 65/CN

**REMATHAN G 65/CN**

**Specifications**

Polymer basis	PUR	DIN ISO 1629
Specific weight	1.22 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	65 Shore A	DIN ISO 7619-1
Colour	Green	

Ref. No.	Designation	Dimensions
573 2287	REMATHAN G 65/CN	10 x 1 400 x 10 000 mm
573 2294	REMATHAN G 65/CN	15 x 1 400 x 10 000 mm
573 2304	REMATHAN G 65/CN	20 x 1 400 x 10 000 mm

WEAR PROTECTION LINING  
REMATHAN – High-quality polyurethane lining material

REMATHAN G 75/CN – High quality polyurethane lining material

REMATHAN premium wear protection plates are a convincing choice thanks to their extremely high wear resistance and their excellent resistance to oil and grease.

**Properties**

- Excellent resistance to wear
- Oil and grease resistant
- Resists hydrolysis
- Resists microbes
- High impact elasticity
- High notch value
- Temperature range from -30°C to +80°C
- CN bonding layer provides fast and lasting adhesion

**Area of application**

- Oil, grease and wear-resistant lining
- Prevents caking and noise
- Slides and chutes
- Slip ground containers
- Concrete discharge chutes
- Grain applications



REMATHAN G 75/CN

REMATHAN G 75/CN

**Specifications**

Polymer basis	PUR	DIN ISO 1629
Specific weight	1.22 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	75 Shore A	DIN ISO 7619-1
Colour	Green	

Ref. No.	Designation	Dimensions
573 0087	REMATHAN G 75/CN	4 x 1 400 x 10 000 mm
573 2328	REMATHAN G 75/CN	6 x 1 400 x 10 000 mm
573 2335	REMATHAN G 75/CN	8 x 1 400 x 10 000 mm
573 2342	REMATHAN G 75/CN	10 x 1 400 x 10 000 mm
573 2359	REMATHAN G 75/CN	15 x 1 400 x 10 000 mm
573 2366	REMATHAN G 75/CN	20 x 1 400 x 10 000 mm

WEAR PROTECTION LINING  
REMATHAN – High-quality polyurethane lining material

REMATHAN G 90/CN – High quality polyurethane lining material

REMATHAN premium wear protection plates are a convincing choice thanks to their extremely high wear resistance and their excellent resistance to oil and grease.

**Properties**

- High resistance to wear
- Oil and grease resistant
- Resists hydrolysis
- Resists microbes
- High impact elasticity
- High notch value
- Temperature range from -30°C to +80°C
- CN bonding layer provides fast and lasting adhesion

**Area of application**

- Oil, grease and wear-resistant lining
- Prevents caking and noise
- Slides and chutes
- Concrete discharge chutes
- Grain applications



REMATHAN G 90/CN

REMATHAN G 90/CN

**Specifications**

Polymer basis	PUR	DIN ISO 1629
Specific weight	1.23 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	90 Shore A	DIN ISO 7619-1
Colour	Green	

Ref. No.	Designation	Dimensions
573 2380	REMATHAN G 90/CN	6 x 1 400 x 10 000 mm
573 2407	REMATHAN G 90/CN	10 x 1 400 x 10 000 mm
573 2060	REMATHAN G 90/CN	20 x 1 000 x 2 000 mm

## WEAR PROTECTION LINING

### REMATHAN – High-quality polyurethane lining material

#### REMATHAN G 80 FDA/CN – High-quality polyurethane lining material for use in the food industry

REMATHAN premium wear protection plates are a convincing choice due to their extremely high wear-resistance and their excellent resistance to oil and grease. With their special properties REMATHAN offers optimum protection for machines and systems and thus ensuring a longer service life. The REMATHAN FDA quality can be used for contact with dry, aqueous and fatty foods for contact times of up to 30 minutes and at a maximum of 70°C. The material has been tested and approved in accordance with FDA and European Union regulations.

##### Properties

- Approved under FDA (FDA CFR 21§ 177.2600)
- Approved under (VO (EG) 1935/2004, VO (EU) 10/2011)
- Operating temperature up to 70°C
- High resistance to wear
- Oil and grease resistant
- CN bonding layer provides fast and longlasting adhesion

##### Area of application

- Oil, grease and wear-resistant lining
- Prevents caking and noise
- Chutes and slides
- Loading facilities
- Food industry
- Grain applications

#### REMATHAN G 80 FDA/CN

##### Specifications

Polymer basis	PUR	DIN ISO 1629
Specific weight	1.21 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	85 Shore A	DIN ISO 7619-1
Colour	Blue	

Ref. No.	Designation	Dimensions
573 2195	REMATHAN G80 FDA/CN	4 x 1 400 x 10 000 mm
573 2194	REMATHAN G80 FDA/CN	6 x 1 400 x 10 000 mm
573 2196	REMATHAN G80 FDA/CN	8 x 1 400 x 10 000 mm
573 2193	REMATHAN G80 FDA/CN	10 x 1 400 x 10 000 mm
573 2197	REMATHAN G80 FDA/CN	15 x 1 400 x 10 000 mm
573 2198	REMATHAN G80 FDA/CN	20 x 1 400 x 10 000 mm

## WEAR PROTECTION LINING

### REMATHAN – High-quality polyurethane lining material

#### REMATHAN G 75 LB – High-quality polyurethane lining material with perforated metal insert

REMATHAN premium wear protection plates are a convincing choice due to their extremely high wear-resistance and their excellent resistance to oil and grease. With their special properties REMATHAN offers optimum protection for machines and systems and thus a longer service life. Due to the perforated metal insert, the REMATHAN product is strengthened and can be easily and safely bolted. The REMATHAN plates can be cut to the right dimensions directly on your construction site.

##### Properties

- High resistance to wear
- Oil and grease resistant
- Resists hydrolysis
- Resists microbes
- High impact elasticity
- High notch value
- Temperature range from -30°C to +70°C
- Reinforced by perforated metal insert
- Easy to screw

##### Area of application

- Oil, grease and wear-resistant lining
- Prevents caking and noise
- Chutes and slides
- Concrete discharge funnels and transfer points
- Impact elements
- Component linings
- Grain applications

#### REMATHAN G 75 LB

##### Specifications

Polymer basis	PUR	DIN ISO 1629
Specific weight	1.23 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	75 Shore A	DIN ISO 7619-1
Colour	Green	

Ref. No.	Designation	Dimensions
573 1043	REMATHAN G75 LB	8 x 1 000 x 2 000 mm
573 1044	REMATHAN G75 LB	10 x 1 000 x 2 000 mm
573 1045	REMATHAN G75 LB	12 x 1 000 x 2 000 mm
573 1046	REMATHAN G75 LB	15 x 1 000 x 2 000 mm
573 1047	REMATHAN G75 LB	20 x 1 000 x 2 000 mm
573 1049	REMATHAN G75 LB	30 x 1 000 x 2 000 mm

NATURAL AND SYNTHETIC RUBBER –  
TYPICAL CHARACTERISTICS

NOTES

Abbreviation according to DIN ISO 1629	Designation	General Characteristics of Vulcanized Rubber	Operating Temperatures (°C)	
			longer periods	short periods
NR	Natural Rubber	Multi purpose rubber with the most balanced characteristics (high tensile strength, elasticity and resistance to wear). Moderate resistance against ozone (light colors only). Not resistant against oil, grease and fuel.	-30 to +80	-55 to +90
IR	Isoprene Rubber	see NR		
BR	Butadiene Rubber	Only used for blends with other elastomers (NR, IR, SBR). Very high abrasion-resistance and high elasticity.	-40 to +100	-60 to +110
CR	Chloroprene Rubber	High flame resistance, good resistance against chemicals, ozone and ageing. Moderate resistance against oil and grease.	-25 to +90	-30 to +110
SBR	Styrene Butadiene Rubber	High tensile strength and abrasion-resistance. Moderate to good resistance against ozone, ageing. Not resistant against oil and grease.	-25 to +90	-30 to +100
NBR	Nitrile Rubber	Special rubber with high resistance against mineral oil, grease and fuel. Moderate to good resistance against ozone and ageing (light colors only).	-25 to +100	-35 to +120
IIR	Butyl Rubber	Special rubber with low air permeability and excellent dampening properties. Good resistance against heat. Not resistant against oil, grease and fuel.	-30 to +120	-40 to +140
CIIR BIIR	Chlorbutyl / Brombutyl Rubber	Special rubber with high chemical resistance (acids, alkaline solutions). Good resistance against heat and ozone. High resistance against water vapors. Not resistant against oil, grease and fuel.	-40 to +100	-40 to +120
AU	Polyurethane	Very good abrasion-resistance. Good resistance against mineral oil, grease and fuel. High elasticity.	-30 to +80	-30 to +80
CSM	Chlorosulfonated Polyethylen	Excellent resistance against ozone and weathering. Good resistance against oxidizing chemicals (chromic acid, hypochlorite). Good resistance against mineral oil and fuel. Electrically insulating.	-20 to +100	-20 to +120

This is general information. In specific cases we recommend you to seek for technical application advice regarding stresses caused by temperature, ozone, media dynamic and static forces, tension, distension or any other influences. Instruction or operation manuals and product information have to be taken notice of.

## 2. Corrosion Protection Lining

### CHEMOLINE

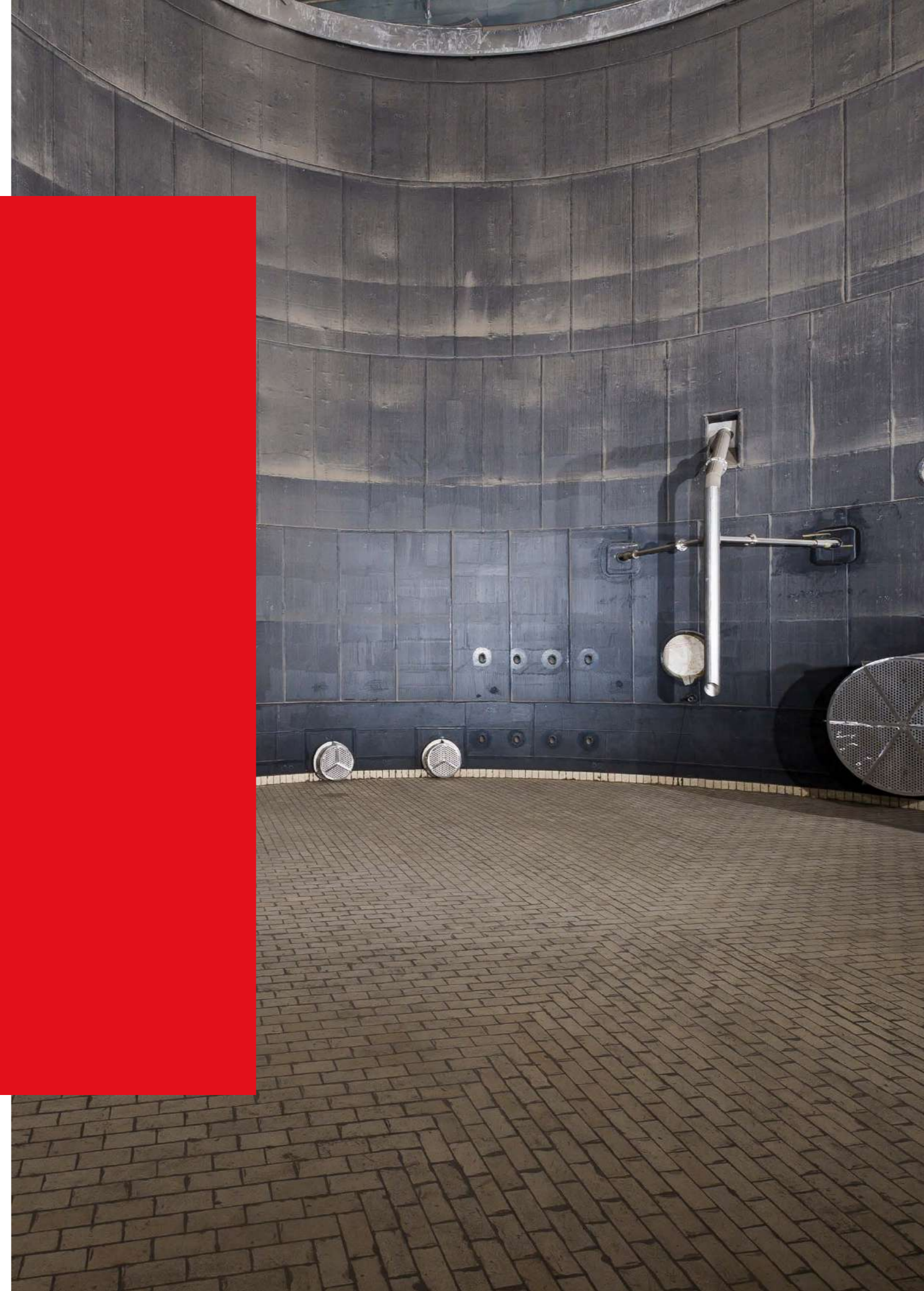
Soft rubber lining.

46

### CHEMONIT

Hard rubber lining.

55



CORROSION PROTECTION LINING  
CHEMOLINE 3CN – Soft rubber lining

CHEMOLINE 3CN – Soft rubber lining

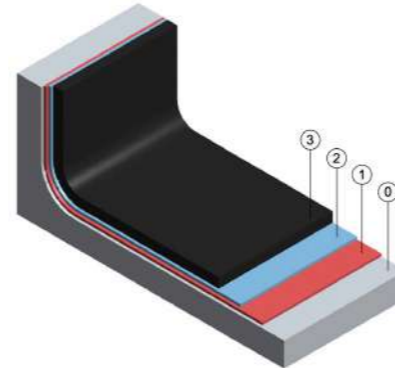
CHEMOLINE 3 CN is an already vulcanised black soft rubber lining based on Chloroprene rubber (CR), which is equipped with an easy to bond, reactive bonding layer. CHEMOLINE 3 CN can be loaded directly without further vulcanisation.

**Properties**

- Strong chemical resistance against mineral acids, bases, and aromatic oils
- Outstanding resistance against media containing a high percentage of solids
- Application onto steel and concrete components
- On site rubber lining

**Area of application**

- CHEMOLINE 3 CN is used mainly for on-site rubber linings of steel and concrete components which are exposed to abrasive conditions and chemical loads.
- The field of applications are chemical plants, chlorine and steel industries, mineral processing plants and environmental protection plants.
- Some typical examples of applications are the lining of storage tanks, agitated tanks and pipelines.



**Application process**

- CHEMOLINE 3CN**
- 0 - Steel, blasted
  - 1 - PRIMER PR 304
  - 2 - CEMENT BC 3004
  - 3 - CHEMOLINE 3CN

CHEMOLINE 3CN

**Specifications**

Polymer basis	CR	ISO 1629
Abrasion	≤ 200 mm <sup>3</sup> *	ISO 4649 (ASTM D5963)
Density	1.45 ± 0.02 g/cm <sup>3</sup>	EN ISO 1183-1
Hardness	60 ± 7 Shore A	ISO 7619-1 (ASTM D2240)
Max Surface Pressure	2 N/mm <sup>2</sup>	
Elongation at Break	≥ 300%***	DIN 53504 (ASTM D412)
Tensile Strength	≥ 6 N/mm <sup>2</sup> **	DIN 53504 (ASTM D412)
Impact Resilience	≥ 25%	DIN 53512 (ASTM D1054)
Peel Strength to Steel	≥ 4 N/mm	ISO 813
Thermal Conductivity	0.32 W/m K	DIN 51046
Water Vapour Permeability	0.25 g/m <sup>2</sup> d**	DIN 53122
Max Continuous Operating Temp	+85 °C	
Temperature Range	-30 up to +85 °C	

Ref. No.	Designation	Dimensions
528 7842	CHEMOLINE 3/CN	3 mm x 1100 mm x 10000mm
528 7859	CHEMOLINE 3/CN	4 mm x 1100 mm x 10000mm
528 7866	CHEMOLINE 3/CN	5 mm x 1100 mm x 10000mm
528 7873	CHEMOLINE 3/CN	6 mm x 1100 mm x 10000mm

\* Press vulcanisation  
\*\* Autoclave vulcanisation  
\*\*\* 4mm rubber

CORROSION PROTECTION LINING  
REMA PERFORMANCEline CHEMO 4CN – Chemical resistant premium lining



REMA PERFORMANCEline CHEMO 4CN – Chemical resistant premium lining

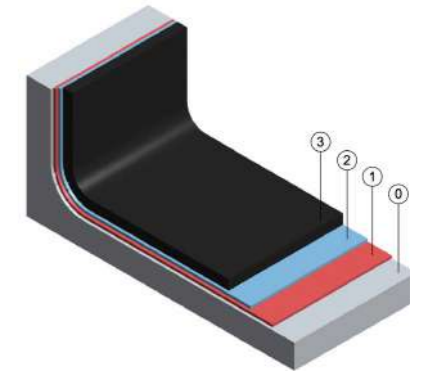
REMA PERFORMANCEline Chemo 4/CN is a chemical resistant soft-rubber lining material, based on bromobutyl rubber, suitable for steel- and concrete components which are exposed to high chemical loads. This new product is equipped with a smooth and glossy surface and has an improved UV resistance. The smooth surface reduces build up and caking problems during the whole process. REMA PERFORMANCEline Chemo 4/CN provides outstanding diffusion resistance, strong chemical resistance and a long service life accordingly.

**Properties**

- Simple and fast lining application
- Homogenous / uniform curing of the sheet gives it a longer life span
- Improved UV resistance
- The glossy surface reduces the chances of material build-up/depositing
- Strong chemical resistance
- Versatility of application surfaces like concrete, steel, stainless steel

**Area of application**

- On site linings of chemical contaminated steel and concrete.
- Chemical, chlorine, fertilizer, deionized water tanks in nuclear plants, ore processing up to environmental protection.
- Linings of bearing & stirrers, crystallization and condensation reactors, thickeners, pipelines and process tanks flue gas desulphurisation.



**Application process**

- REMA PERFORMANCEline CHEMO 4CN**
- 0 - Steel, blasted
  - 1 - PRIMER PR 304
  - 2 - CEMENT BC 3004
  - 3 - CHEMOLINE 4CN

REMA PERFORMANCEline CHEMO 4CN

**Specifications**

Polymer basis	BIIR	DIN ISO 1629
Specific Weight	1.25 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	55 Shore A	DIN ISO 7619-1
Colour	Black	
Abrasion	≤ 320 mm <sup>3</sup>	DIN ISO 4649
Max Surface Pressure	2 N/mm <sup>2</sup>	
Surface Resistance	Ω ≥ 10 <sup>12</sup>	DIN IEC 60093
Peel strength to Steel	≥ 4 N/mm	ISO 813
Water Vapour Permeability	0.04g/m <sup>2</sup> d	DIN 53122

Ref. No.	Designation	Dimensions
521 5000	REMA PERFORMANCEline CHEMO 4CN	3 mm x 1100 mm x 10000mm
521 5005	REMA PERFORMANCEline CHEMO 4CN	4 mm x 1100 mm x 10000mm
521 5010	REMA PERFORMANCEline CHEMO 4CN	5 mm x 1100 mm x 10000mm
521 5015	REMA PERFORMANCEline CHEMO 4CN	6 mm x 1100 mm x 10000mm



CORROSION PROTECTION LINING  
CHEMOLINE 4A – Soft rubber lining

CHEMOLINE 4A – Soft rubber lining

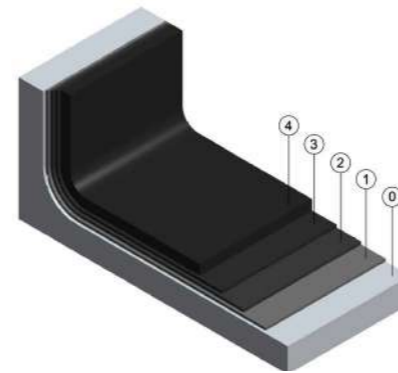
CHEMOLINE 4 A is a black soft rubber lining based on Bromobutyl rubber (BIIR).

**Properties**

- Strong chemical resistance against mineral acids, bases, polar solvents and salt solutions
- Outstanding diffusion resistance to sulphur dioxide and saturated water vapour
- High thermal stability (max. +110°C)
- Application onto steel components
- Workshop rubber lining

**Area of application**

- CHEMOLINE 4 A is used mainly for the workshop rubber lining of steel components which are exposed to chemical loads.
- The field of applications are chemical plants, chlorine and steel industries, fertilizer manufacturing plants, phosphoric acid plants, mineral processing plants, power plants and environmental protection plants.
- Some typical examples of applications are the lining of storage tanks, agitated tanks, crystallization and condensation reactors and pipelines in flue gas desulphurisation (FGD) plants.



**Application process**

- CHEMOLINE 4A**
- 0 - Steel, blasted
  - 1 - PRIMER PR 500-1
  - 2 - PRIMER S 500-2
  - 3 - ADHESIVE TC 5000
  - 4 - CHEMOLINE 4A

CHEMOLINE 4A

**Specifications**

Polymer basis	BIIR	ISO 1629
Abrasion	≤ 320 mm <sup>3</sup> *	ISO 4649 (ASTM D5963)
Density	1.25 ± 0.02 g/cm <sup>3</sup>	EN ISO 1183-1
Hardness	55 ± 5 Shore A	ISO 7619-1 (ASTM D2240)
Max Surface Pressure	2 N/mm <sup>2</sup>	
Elongation at Break	≤ 600***	DIN 53504 (ASTM D412)
Tensile Strength	≥ 5 N/mm <sup>2</sup> ***	DIN 53504 (ASTM D412)
Impact Resilience	≥ 6%	DIN 53512 (ASTM D1054)
Peel Strength to Steel	≥ 4 N/mm	ISO 813
Thermal Conductivity	0.33 W/m K	DIN 51046
Water Vapour Permeability	0.04 g/m <sup>2</sup> d**	DIN 53122
Max Continuous Operating Temp	+110 °C	
Temperature Range	-40 up to +110 °C	

Ref. No.	Designation	Dimensions
528 2720	CHEMOLINE 4A	2 mm x 1100 mm x 10000mm
528 2768	CHEMOLINE 4A	3 mm x 1100 mm x 10000mm

\* Press vulcanisation  
\*\* Autoclave vulcanisation  
\*\*\* 4mm rubber

CORROSION PROTECTION LINING  
CHEMOLINE 4B – Soft rubber lining

CHEMOLINE 4B – Soft rubber lining

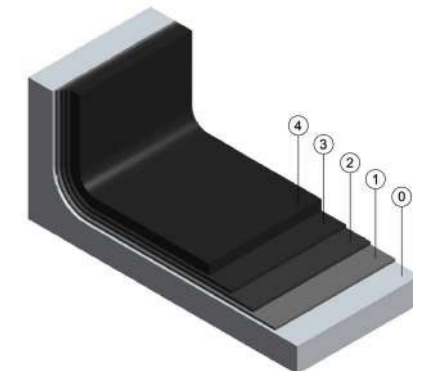
CHEMOLINE 4 B is a self-vulcanizing black rubber lining based on Bromobutyl rubber (BIIR).

**Properties**

- Strong chemical resistance against mineral acids, bases, polar solvents and salt solutions
- Outstanding diffusion resistance to sulphur dioxide and saturated water vapour
- High thermal stability (max. +110°C)
- Application onto steel components
- On site rubber lining

**Area of application**

- CHEMOLINE 4 B is used mainly for on-site and workshop rubber linings of steel components which are exposed to chemical loads.
- The field of applications are chemical plants, chlorine and steel industries, fertilizer manufacturing plants, phosphoric acid plants, mineral processing plants, power plants and environmental protection plants.
- Some typical examples of applications are the lining of storage tanks, agitated tanks, thickeners, as well as structural components of flue gas desulphurisation (FGD) plants such as absorbers and more.



**Application process**

- CHEMOLINE 4B**
- 0 - Steel, blasted
  - 1 - PRIMER PR 500-1
  - 2 - PRIMER S 500-2
  - 3 - ADHESIVE TC 5000
  - 4 - CHEMOLINE 4B

CHEMOLINE 4B

**Specifications**

Polymer basis	BIIR	ISO 1629
Abrasion	≤ 320 mm <sup>3</sup> *	ISO 4649 (ASTM D5963)
Density	1.25 ± 0.02 g/cm <sup>3</sup>	EN ISO 1183-1
Hardness	55 ± 5 / 60 ± 5 Shore A****	ISO 7619-1 (ASTM D2240)
Elongation at Break	≥ 600%***	DIN 53504 (ASTM D412)
Tensile Strength	≥ 5 N/mm <sup>2</sup> ***	DIN 53504 (ASTM D412)
Impact Resilience	≥ 6%*	DIN 53512 (ASTM D1054)
Peel Strength to Steel	≥ 4 N/mm	ISO 813
Thermal Conductivity	0.33 W/m K	DIN 51046
Water Vapour Permeability	0.04 g/m <sup>2</sup> d***	DIN 53122
Max Continuous Operating Temp	+110 °C	
Temperature Range	-40 up to +110 °C	

Ref. No.	Designation	Dimensions
528 2933	CHEMOLINE 4B	2 mm x 1100 mm x 10000mm
528 2971	CHEMOLINE 4B	3 mm x 1100 mm x 10000mm
528 3011	CHEMOLINE 4B	4 mm x 1100 mm x 10000mm
528 3059	CHEMOLINE 4B	5 mm x 1100 mm x 10000mm
528 3059	CHEMOLINE 4B	6 mm x 1100 mm x 10000mm

\* Press vulcanisation  
\*\*\* 4mm rubber  
\*\*\*\* After pressure less vulcanisation (sample plates)  
\*\*\*\* After complete vulcanisation under operating conditions

CORROSION PROTECTION LINING  
CHEMOLINE 4CN – Soft rubber lining

CHEMOLINE 4CN – Soft rubber lining

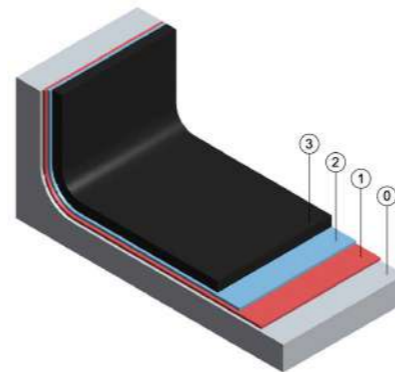
CHEMOLINE 4 CN is an already vulcanised black soft rubber lining based on Bromobutyl rubber (BIIR), which is equipped with an easy to bond, reactive bonding layer. CHEMOLINE 4 CN can be loaded directly without further vulcanisation.

**Properties**

- Strong chemical resistance against mineral acids, bases, polar solvents and salt solutions
- Outstanding diffusion resistance to sulphur dioxide and saturated water vapour
- Application onto steel and concrete components
- Can be exposed to the operation conditions right after the application
- On site rubber lining

**Area of application**

- CHEMOLINE 4 CN is used mainly for on-site rubber linings of steel and concrete components which are exposed to chemical loads.
- The field of applications are chemical plants, chlorine and steel industries, fertilizer manufacturing plants, power plants, mineral processing plants and environmental protection plants.
- Some typical examples of applications are the lining of storage tanks, agitated tanks, crystallization and condensation reactors, thickeners, pipe spools and more.



**Application process**

- CHEMOLINE 4CN**
- 0 - Steel, blasted
  - 1 - PRIMER PR 304
  - 2 - CEMENT BC 3004
  - 3 - CHEMOLINE 4CN

CHEMOLINE 4CN

**Specifications**

Polymer basis	BIIR	ISO 1629
Abrasion	≤ 320 mm <sup>3</sup> *	ISO 4649 (ASTM D5963)
Density	1.25 ± 0.02 g/cm <sup>3</sup>	EN ISO 1183-1
Hardness	55 ± 5 Shore A**	ISO 7619-1 (ASTM D2240)
Max Surface Pressure	2 N/mm <sup>2</sup>	
Elongation at Break	≥ 370 %***	DIN 53504 (ASTM D412)
Tensile Strength	≥ 4 N/mm <sup>2</sup> ***	DIN 53504 (ASTM D412)
Peel Strength to Steel	≥ 4 N/mm	ISO 813
Thermal Conductivity	0.32 W/m K	DIN 51046
Water Vapour Permeability	0.04 g/m <sup>2</sup> d***	DIN 53122
Max Continuous Operating Temp	+90 °C	
Temperature Range	-40 up to +90 °C	

Ref. No.	Designation	Dimensions
528 7897	CHEMOLINE 4CN	3 mm x 1100 mm x 10000mm
528 7907	CHEMOLINE 4CN	4 mm x 1100 mm x 10000mm
528 7914	CHEMOLINE 4CN	5 mm x 1100 mm x 10000mm
528 7921	CHEMOLINE 4CN	6 mm x 1100 mm x 10000mm

\* Press vulcanisation  
\*\* Autoclave vulcanisation  
\*\*\* 4mm rubber

CORROSION PROTECTION LINING  
CHEMOLINE 12CN FDA – Soft rubber lining

CHEMOLINE 12CN FDA – Soft rubber lining

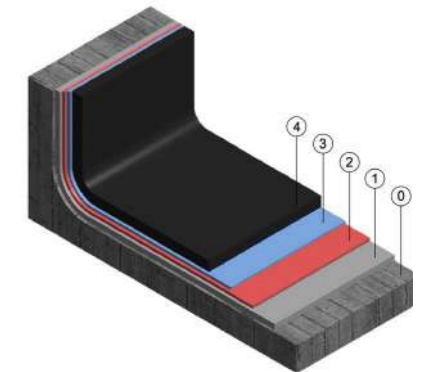
CHEMOLINE 12 CN is an already vulcanised black soft rubber lining based on Chlorobutyl rubber (CIIR), which is equipped with an easy to bond, reactive bonding layer. CHEMOLINE 12 CN can be loaded directly without further vulcanisation.

**Properties**

- Strong resistance against mineral acids, bases and polar solvents
- Excellent diffusion resistance against gases like sulphur dioxide, nitrogen oxides, and saturated water vapour
- High insulation resistance
- Application onto steel and concrete components
- Can be exposed to the operation conditions right after the application
- On site rubber lining
- Certificate of suitability for aqueous food in accordance with the guidelines CFR 21§ 177.2600 of the Food and Drug Administration (FDA)

**Area of application**

- CHEMOLINE 12 CN is developed specifically for the on-site rubber lining of chemically loaded steel or concrete components.
- The field of applications are mainly water treatment facilities and the chemical industry.
- Some typical examples of applications are the linings of storage tanks and agitated tanks, basins, pipe spools as well as various vessels in the phosphoric acid industry.



**Application process**

- CHEMOLINE 12CN FDA**
- 0 - Concrete, blasted
  - 1 - REMAFIX C (Smoothing coat, conductive)
  - 2 - PRIMER PR 304
  - 3 - CEMENT BC 3004
  - 4 - CHEMOLINE 12 CN

CHEMOLINE 12CN FDA

**Specifications**

Polymer basis	CIIR	ISO 1629
Abrasion	≤ 300 mm <sup>3</sup> *	ISO 4649 (ASTM D5963)
Density	1.08 ± 0.02 g/cm <sup>3</sup>	EN ISO 1183-1
Hardness	50 ± 5 Shore A**	ISO 7619-1 (ASTM D2240)
Max. Surface Pressure	2 N/mm <sup>2</sup>	
Surface Resistance	≥ 10 Ω	DIN IEC 60093
Elongation at Break	≥ 150 %***	DIN 53504 (ASTM D412)
Tensile Strength	≥ 6 N/mm <sup>2</sup> ***	DIN 53504 (ASTM D412)
Impact Resillience	≥ 6 %	DIN 53512 (ASTM D1054)
Peel Strength to Steel	≥ 4 N/mm	ISO 813
Max Continuous Operating Temp	+70 °C	
Temperature Range	-40 up to +70 °C	

Ref. No.	Designation	Dimensions
528 2300	CHEMOLINE 12CN	3 mm x 1100 mm x 10000mm
528 2310	CHEMOLINE 12CN	4 mm x 1100 mm x 10000mm
528 2320	CHEMOLINE 12CN	5 mm x 1100 mm x 10000mm
528 2330	CHEMOLINE 12CN	6 mm x 1100 mm x 10000mm

\* Press vulcanisation  
\*\* Autoclave vulcanisation  
\*\*\* 4mm rubber

CORROSION PROTECTION LINING  
CHEMOLINE 13 – Soft rubber lining

CHEMOLINE 13 – Soft rubber lining

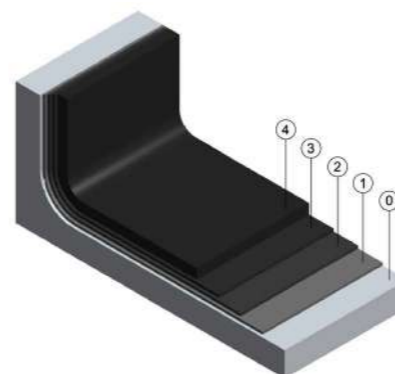
CHEMOLINE 13 is a black soft rubber lining based on Bromobutyl rubber (BIIR). CHEMOLINE 13 shows excellent chemical resistance against concentrated hydrochloric acid and hypochlorite.

**Properties**

- Very good resistance against mineral acids, bases, polar solvents and especially against concentrated hydrochloric acid  $\leq 38\%$  up to  $+60^\circ\text{C}$  and sodium hypochlorite
- Excellent diffusion resistance against gases like sulphur dioxide, nitrogen oxides, and saturated water vapour
- Suitable for vacuum services
- High thermal stability (max.  $+115^\circ\text{C}$ )
- Application onto steel components
- On site & Workshop rubber lining

**Area of application**

- CHEMOLINE 13 is used mainly for workshop and on-site rubber linings of steel components which are exposed to chemical loads.
- The field of applications are mainly chemical plants, chlorine and steel industries, mineral processing plants and environmental protection plants.
- Some typical examples of applications are the lining of storage tanks, agitated tanks, crystallization and condensation reactors and flue gas desulphurisation plants (FGD). Furthermore CHEMOLINE 13 is used in phosphoric acid plants and autoclaves.



**Application process**

- CHEMOLINE 13**
- 0 - Steel, blasted
  - 1 - PRIMER PR 500-1
  - 2 - PRIMER S 500-2
  - 3 - ADHESIVE TC 5000
  - 4 - CHEMOLINE 13

CHEMOLINE 13

**Specifications**

Polymer basis	BIIR	ISO 1629
Abrasion	$\leq 250 \text{ mm}^3$ *	ISO 4649 (ASTM D5963)
Density	$1.24 \pm 0.02 \text{ g/cm}^3$	EN ISO 1183-1
Hardness	$60 \pm 5 \text{ Shore A}^{**}$	ISO 7619-1 (ASTM D2240)
Max Surface Pressure	2 N/mm <sup>2</sup>	
Elongation at Break	$\geq 450\%^{***}$	DIN 53504 (ASTM D412)
Tensile Strength	$\geq 8 \text{ N/mm}^2$ ***	DIN 53504 (ASTM D412)
Impact Resilience	$\geq 8\%$	DIN 53512 (ASTM D1054)
Peel Strength to Steel	$\geq 4 \text{ N/mm}$	ISO 813
Water Vapour Permeability	$0.08 \text{ g/m}^2 \text{ d}^{***}$	DIN 53122
Max Continuous Operating Temp	$+115^\circ\text{C}$	

Ref. No.	Designation	Dimensions
528 7100	CHEMOLINE 13	2 mm x 1100 mm x 10000mm
528 1710	CHEMOLINE 13	3 mm x 1100 mm x 10000mm
528 1720	CHEMOLINE 13	4 mm x 1100 mm x 10000mm
528 1730	CHEMOLINE 13	5 mm x 1100 mm x 10000mm
528 1740	CHEMOLINE 13	6 mm x 1100 mm x 10000mm

\* Press vulcanisation  
\*\* Autoclave vulcanisation  
\*\*\* 4mm rubber

CORROSION PROTECTION LINING  
CHEMOLINE 70CN – Soft rubber lining

CHEMOLINE 70CN – Soft rubber lining

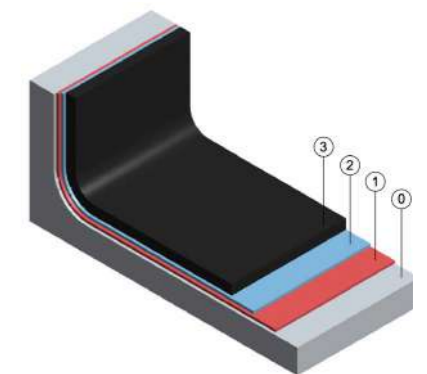
CHEMOLINE 70 CN is an already vulcanised black soft rubber lining based on Chlorobutyl rubber and Polyvinyl Chloride (CIIR / PVC), which is equipped with an easy to bond, reactive bonding layer. CHEMOLINE 70 CN shows excellent resistance against concentrated hydrochloric acid at temperatures up to  $+60^\circ\text{C}$ . CHEMOLINE 70 CN can be loaded directly without further vulcanisation.

**Properties**

- Very good resistance against mineral acids, bases and especially against concentrated hydrochloric acid  $\leq 38\%$  up to  $+60^\circ\text{C}$
- Application onto steel and concrete components
- Can be exposed to the operation conditions right after the application
- On site rubber lining

**Area of application**

- CHEMOLINE 70 CN is used mainly for on-site rubber linings of steel or concrete storage containers for concentrated hydrochloric acid up to  $+60^\circ\text{C}$ .
- Further examples to the applications include the lining of acid pickling lines (pickling baths) and electroplating baths.



**Application process**

- CHEMOLINE 70CN**
- 0 - Steel, blasted
  - 1 - PRIMER PR 304
  - 2 - CEMENT BC 3004
  - 3 - CHEMOLINE 70 CN

CHEMOLINE 70CN

**Specifications**

Polymer basis	CIIR/PVC	ISO 1629
Density	$1.18 \pm 0.02 \text{ g/cm}^3$	EN ISO 1183-1
Contact Resistance	$1.5 \times 10^{(11)} \Omega \text{ cm}$	DIN IEC 60093
Hardness	$57 \pm 5 \text{ Shore A}^{**}$	ISO 7619-1 (ASTM D2240)
Max. Surface Pressure	2 N/mm <sup>2</sup>	
Surface Resistance	$3.5 \times 10^{(11)} \Omega$	DIN IEC 60093
Elongation at Break	$\geq 400\%^{***}$	DIN 53504 (ASTM D412)
Tensile Strength	$\geq 2.5 \text{ N/mm}^2$ ***	DIN 53504 (ASTM D412)
Peel Strength to Steel	$\geq 4 \text{ N/mm}$	ISO 813
Max Continuous Operating Temp	$+80^\circ\text{C}$	
Temperature Range	$-30 \text{ up to } +80^\circ\text{C}$	

Ref. No.	Designation	Dimensions
528 8140	CHEMOLINE 70CN	3 mm x 1100 mm x 10000mm
528 8157	CHEMOLINE 70CN	4 mm x 1100 mm x 10000mm
528 8164	CHEMOLINE 70CN	5 mm x 1100 mm x 10000mm
528 8171	CHEMOLINE 70CN	6 mm x 1100 mm x 10000mm

\*\* Autoclave vulcanisation  
\*\*\* 4mm rubber

CORROSION PROTECTION LINING  
CHEMOLINE RTCN – Soft rubber lining

CHEMOLINE RT CN – Soft rubber lining

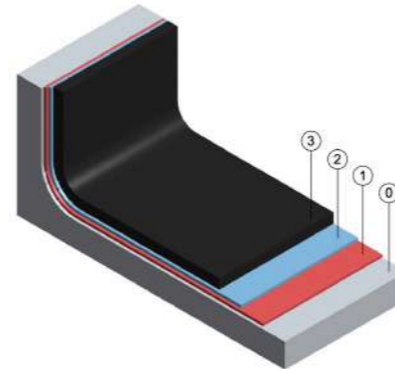
CHEMOLINE RT CN is an already vulcanised black soft rubber lining based on a copolymerised Bromobutyl rubber (BIIR), which is equipped with an easy to bond, reactive bonding layer. CHEMOLINE RT CN can be loaded directly without further vulcanisation.

**Properties**

- Strong resistance against mineral acids
- Strong resistance against temperature excursions
- Good resistance against UV and ozone
- Application onto steel and concrete components
- Can be exposed to the operation conditions right after the application
- On site rubber lining

**Area of application**

- CHEMOLINE RT CN is used mainly for the on-site rubber lining of the steel components which are exposed to chemical loads.
- The field of applications are mainly chemical plants, chlorine and steel industries, mineral processing plants and environmental protection plants.
- Some typical examples of applications are the rubber linings of storage tanks, agitated tanks, crystallization and condensation reactors and road tankers.



**Application process**

- CHEMOLINE RT CN**
- 0 - Steel, blasted
  - 1 - PRIMER PR 304
  - 2 - CEMENT BC 3004
  - 3 - CHEMOLINE RT CN

CHEMOLINE RT CN

**Specifications**

Polymer basis	BIIR	ISO 1629
Abrasion	≤ 250 mm <sup>3</sup> *	ISO 4649 (ASTM D5963)
Density	1.23 ± 0.02 g/cm <sup>3</sup>	EN ISO 1183-1
Contact Resistance	7.0 x 10(10) Ω cm	DIN IEC 60093
Hardness	65 ± 5 Shore A**	ISO 7619-1 (ASTM D2240)
Max Surface Pressure	2 N/mm <sup>2</sup>	
Surface Resistance	90 x 10(10) Ω	DIN IEC 60093
Elongation at Break	≥ 150 %***	DIN 53504 (ASTM D412)
Tensile Strength	≥ 8 N/mm <sup>2</sup> **	DIN 53504 (ASTM D412)
Impact Resilience	≥ 8%	DIN 53512 (ASTM D1054)
Peel Strength to Steel	≥ 4 N/mm	ISO 813
Temperature Range	-40 up to +120 °C	

Ref. No.	Designation	Dimensions
528 8140	CHEMOLINE RT CN	3 mm x 1100 mm x 10000 mm
528 8157	CHEMOLINE RT CN	4 mm x 1100 mm x 10000 mm
528 8164	CHEMOLINE RT CN	5 mm x 1100 mm x 10000 mm
528 8171	CHEMOLINE RT CN	6 mm x 1100 mm x 10000 mm

\* Press vulcanisation  
\*\* Autoclave vulcanisation  
\*\*\* 4mm rubber

CORROSION PROTECTION LINING  
CHEMONIT 33 – Hard rubber lining

CHEMONIT 33 – Hard rubber lining

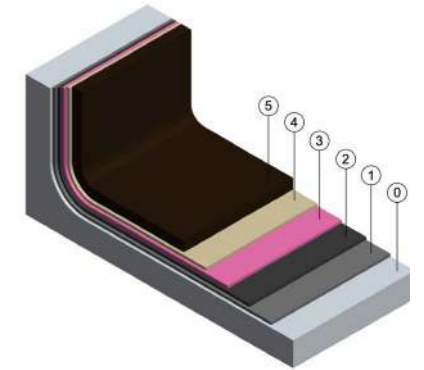
CHEMONIT 33 is an anthracite-coloured, graphite-filled hard rubber lining based on Natural rubber (NR).

**Properties**

- Strong chemical resistance against mineral acids, bases and especially excellent resistance against wet chlorine and concentrated hydrochloric acid
- High diffusion resistance
- High thermal stability (max. +105°C)
- Application onto steel components
- Workshop rubber lining

**Area of application**

- CHEMONIT 33 is used mainly for the workshop rubber lining of steel components which are exposed to chemical loads.
- The field of applications are mainly chemical plants, chlorine and steel industry, mineral processing plants, electroplating facilities and environmental protection plants.
- Some typical examples of applications are the rubber linings of storage tanks, filter tanks, agitated tanks, ion exchangers, electroplating baths, centrifuge drums and flue gas scrubbers in waste incinerators, pipe spools.



**Application process**

- CHEMONIT 33**
- 0 - Steel, blasted
  - 1 - PRIMER HG 1
  - 2 - PRIMER HG 2
  - 3 - ADHESIVE SH-3A SOLUTION
  - 4 - ADHESIVE PARA SOLUTION
  - 5 - CHEMONIT 33

CHEMONIT 33

**Specifications**

Polymer basis	NR	ISO 1629
Bending Strength	≥ 80 N/mm <sup>2</sup> *	EN ISO 178
Density	1.16 ± 0.02 g/cm <sup>3</sup>	EN ISO 1183-1
Modulus of Elasticity	≥ 2000* N/mm <sup>2</sup>	EN ISO 527 (ASTM D638)
Hardness	75 ± 5 Shore D**	ISO 7619-1 (ASTM D2240)
Max. Surface Pressure	10 N/mm <sup>2</sup>	
Adhesion Strength Steel	≥ 6 N/mm <sup>2</sup>	EN ISO 4624 (ASTM D429; method E)
Elongation at Break	≥ 3%***	DIN 53504 (ASTM D412)
Tensile Strength	≥ 40 N/mm <sup>2</sup> **	DIN 53504 (ASTM D412)
Coefficient of Thermal Expansion	90 x 10(-6) 1/K	DIN 53752
Max Continuous Operating Temp	+100 °C	
Temperature Range	-15 up to +100 °C	

Ref. No.	Designation	Dimensions
529 3922	CHEMONIT 33	2 mm x 1100 mm x 10000 mm
529 3960	CHEMOLINE 70CN	3 mm x 1100 mm x 10000 mm

\* Press vulcanisation  
\*\* Autoclave vulcanisation  
\*\*\* 4 mm rubber

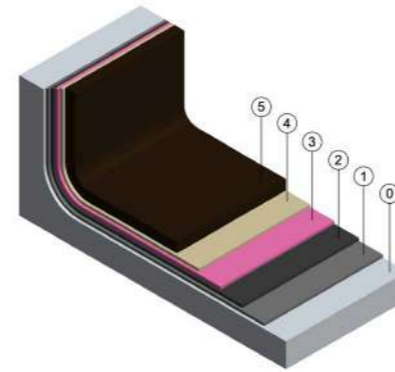
CORROSION PROTECTION LINING  
CHEMONIT 181 – Hard rubber lining

CHEMONIT 181 – Hard rubber lining

CHEMONIT 181 is a black hard rubber lining based on Polyisoprene rubber (IR) and Styrene Butadiene rubber (SBR).

Properties

- Strong chemical resistance against mineral acids and bases
- High diffusion resistance
- Application onto steel components
- Workshop rubber lining
- CHEMONIT 181 is approved (Z-59.22-142) by the German Institute of Construction Technology (DIBt) for steel storage vessels.
- Certificate of suitability for aqueous food in accordance with the guidelines CFR 21§ 177.2600 of the Food and Drug Administration (FDA)
- BS 6920 (British Standard) => WRAS-listing



Application process

Area of application

- CHEMONIT 181 is used mainly for the workshop rubber lining of steel components which are exposed to chemical loads. The field of applications are mainly chemical plants, chlorine and steel industry, electricity generating plants, mineral processing plants and environmental protection plants. Some typical examples of applications are the rubber linings of storage tanks, filter tanks, agitated tanks, water treatment tanks, crystallization reactors, centrifuge drums as well as various tanks and pipelines in nuclear power plants.

CHEMONIT 181

- 0 - Steel, blasted
- 1 - PRIMER HG 1
- 2 - PRIMER HG 2
- 3 - ADHESIVE SH-3A SOLUTION
- 4 - ADHESIVE PARA SOLUTION
- 5 - CHEMONIT 181

CHEMONIT 181

Specifications

Polymer basis	IR/SBR	ISO 1629
Bending Strength	≥ 40 N/mm <sup>2</sup> *	EN ISO 178
Density	1.32 ± 0.02 g/cm <sup>3</sup>	EN ISO 1183-1
Contact Resistance	10(11) Ω cm	DIN IEC 60093
Modulus of Elasticity	≥ 1500 N/mm <sup>2</sup> *	EN ISO 527 (ASTM D638)
Hardness	75 ± 5 Shore D**	ISO 7619-1 (ASTM D2240)
Max. Surface Pressure	10 N/mm <sup>2</sup>	
Adhesion Strength Steel	≥ 6 N/mm <sup>2</sup>	EN ISO 4624 (ASTM D429; method E)
Elongation at Break	≥ 3.5%***	DIN 53504 (ASTM D412)
Tensile Strength	≥ 20 N/mm <sup>2</sup> ***	DIN 53504 (ASTM D412)
Coefficient of Thermal Expansion	70 x 10 <sup>-6</sup> 1/K	DIN 53752
Max Continuous Operating Temp	+100 °C	
Temperature Range	-25 up to +100 °C	

CORROSION PROTECTION LINING  
CHEMONIT 181 – Hard rubber lining

Ref. No.	Designation	Dimensions
529 4921	CHEMONIT 181	2 mm x 1100 mm x 10000mm
529 4969	CHEMONIT 181	3 mm x 1100 mm x 10000mm
529 5009	CHEMONIT 181	4 mm x 1100 mm x 10000mm
529 5047	CHEMONIT 181	5 mm x 1100 mm x 10000mm
529 5085	CHEMONIT 181	6 mm x 1100 mm x 10000mm

\* Press vulcanisation  
\*\* Autoclave vulcanisation  
\*\*\* 4mm rubber

## 3. Heavy Wear Protection

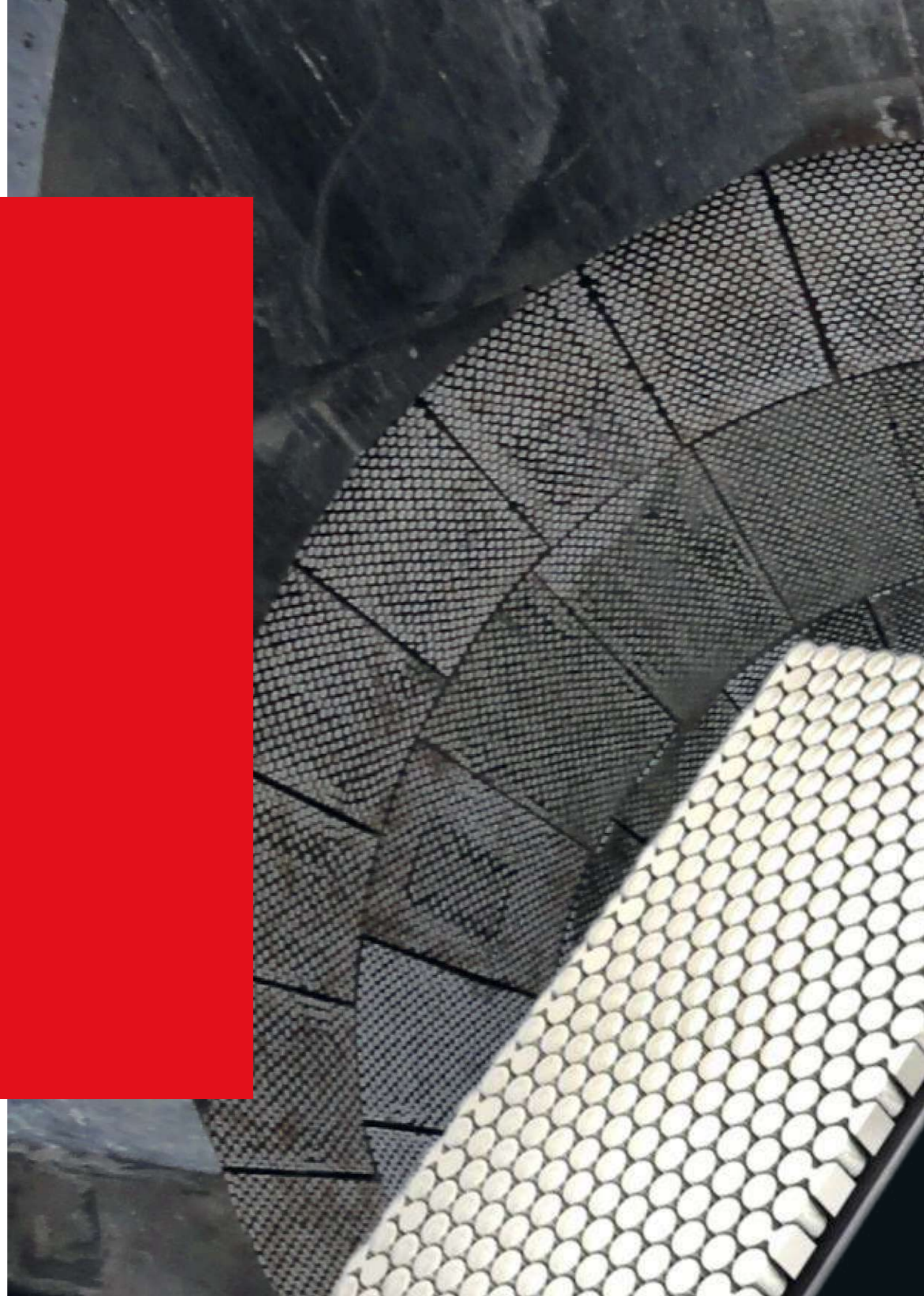
### REMALOX 60

Ceramic/rubber lining material.

### Special Rubber Elements 62

Heavy wear protection special rubber elements.

### Questionnaire 70



HEAVY WEAR PROTECTION  
REMALOX – Ceramic/rubber lining material

REMALOX – Ceramic/rubber lining material

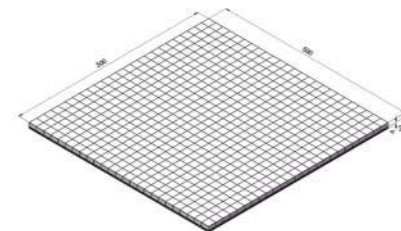
REMALOX is a composite construction of highly wear-resistant 92 %-Al<sub>2</sub>O<sub>3</sub> ceramic tiles (square, rectangular or hexagonal „SW“) vulcanized in special rubber with CN bonding layer.

**Properties**

- CN bonding layer provides fast and longlasting adhesion
- Highest abrasion resistance
- Reduces operating costs
- Long service life increases the efficiency of your equipment
- Good resistance against weather

**Area of application**

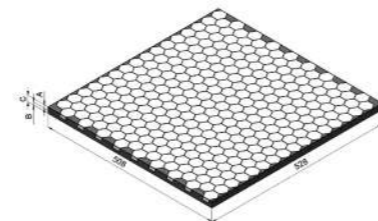
- Lining against extreme wear through abrasion at high speeds
- For simple to medium duty applications in mining, gravel, sand and stone breaking mills and other industrial sectors
- In applications like pipelines, vibratory feeders, cyclones, skips, bunkers, chutes, loading points, slides, hoppers, silos



539 9022



539 9039



539 9046

REMALOX

**Specifications**

Polymer basis	NR/BR/SBR	DIN ISO 1629
Specific weight	1.12 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	62 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Dimensions of ceramic tiles	Weight
539 9015	REMALOX 4/4	8 x 500 x 500 mm	4 x 20 x 20 mm	5 kg
539 9022	REMALOX 10/4	14 x 500 x 500 mm	10 x 20 x 20 mm	10 kg
539 9021*	REMALOX 10/4	14 x 1000 x 1000 mm	10 x 20 x 20 mm	40 kg
539 9039*	REMALOX 25/15	40 x 500 x 600 mm	25 x 100 x 150 mm	32 kg
539 9046*	REMALOX HEX 6/6	12 x 510 x 525 mm	SW 32 x 6 mm	7 kg
539 9053	REMALOX SW 12/8	20 x 510 x 525 mm	SW 32 x 12 mm	12 kg

Note: Other sizes and configurations available upon request.

\* Special order, contact your local REMA TIP TOP representative for item availability.

HEAVY WEAR PROTECTION  
REMALOX – Ceramic/rubber lining material

REMALOX HD – Ceramic/rubber material

REMALOX HD is a composite construction of highlywear-resistant 92 %-Al<sub>2</sub>O<sub>3</sub> ceramic cylinders hot-vulcanized in special rubber on a 5mm S235 (St-37) metal layer, which enables a secure fitting by means of stud bolt. Available in three different thicknesses (35 mm, 55mm, 75 mm).



REMALOX HD 35

**Properties**

- Highest abrasion resistance
- Absorption of impact energies
- Easy, flexible and fast application with secure fastening
- Reduces operating costs
- Long service life increases the efficiency of your equipment
- Easy replacement
- Good resistance against weather

**Area of application**

- Lining against extreme wear through impact and abrasion at high speeds
- Lining of material transfer stations with low impact angles
- For heavy to medium duty applications in mining, gravel, sand and stone breaking mills and other industrial sectors
- In applications like pipelines, vibratory feeders, cyclones, skips, bunkers, chutes, loading points, slides, hoppers, silos, etc.

REMALOX HD

**Specifications**

Polymer basis	NR/BR/SBR	DIN ISO 1629
Specific weight	1.12 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	62 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Dimensions of ceramic tiles	Weight
539 9000*	REMALOX HD 35	35 x 300 x 300 mm	Ø 20 x 20 mm	9.8 kg
539 8970	REMALOX HD 35	35 x 250 x 500 mm	Ø 20 x 20 mm	13.7 kg
539 8920*	REMALOX HD 35	35 x 400 x 400 mm	Ø 20 x 20 mm	17.3 kg
539 8980	REMALOX HD 35	35 x 500 x 500 mm	Ø 20 x 20 mm	26.7 kg
539 3800*	REMALOX HD 55	55 x 250 x 500 mm	Ø 20 x 35 mm	28.6 kg
539 3810*	REMALOX HD 55	55 x 500 x 500 mm	Ø 20 x 35 mm	56.8 kg
539 3215*	REMALOX HD 75	75 x 250 x 500 mm	Ø 30 x 50 mm	26.8 kg
539 3200	REMALOX HD 75	75 x 600 x 300 mm	Ø 30 x 50 mm	38.7 kg
539 3370*	REMALOX HD 75	75 x 500 x 500 mm	Ø 30 x 50 mm	59.8 kg

Note: Other sizes and configurations available upon request.

\* Special order, contact your local REMA TIP TOP representative for item availability.

## HEAVY WEAR PROTECTION Special rubber elements

### KG bars

KG bars with rubber quality REMALINE 70 with excellent resistance against wear in dry conditions and impact energy. Installation by means of vulcanized fastening profile and TT-Fastening Unit.

#### Properties

- Safe protection against abrasion in addition to impact energies with large-size bulk material
- Easy, flexible and fast application with secure fastening
- Reduces operating costs
- Long service-life increases the efficiency of your equipment
- Easy replacement
- Good resistance against weather

- Also available in V quality (self-extinguishing)

#### Area of application

- In applications with abrasion at high speeds
- For medium to heavy duty applications in mining, gravel, sand and stone breaking mills and other industrial sectors
- In applications like bunkers, chutes, loading points

KG-02/KG-03/KG-06/KG-08



KG-04/KG-05/KG-07



KG-01



KG-09/KG-10



WKG-01

### KG bars

#### Specifications

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.09 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	63 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Weight	TT-Fastening Unit
539 0014	KG bars KG-01	50 x 100 x 2 500 mm	13 kg	I
539 0021	KG bars KG-02	42 x 100 x 2 500 mm	12 kg	I
539 0038	KG bars KG-03	80 x 100 x 2 500 mm	22.5 kg	I
539 0045	KG bars KG-04	100 x 100 x 2 500 mm	28 kg	II
539 0052	KG bars KG-05	100 x 150 x 2 500 mm	42 kg	II
539 0069	KG bars KG-06	60 x 100 x 2 500 mm	16 kg	I
539 0076	KG bars KG-07	150 x 150 x 2 500 mm	62 kg	II
539 0083	KG bars KG-08	80 x 70 x 2 500 mm	16 kg	I
539 0090	KG bars KG-09	40 x 40 x 1 000 mm	2.3 kg	III
527 2008	KG bars KG-10	50 x 50 x 2 500 mm	8.5 kg	III
539 0100	KG bars WKG-01	36 x 100 x 2 500 mm	9 kg	I

Note: Other sizes and configurations available upon request.

## HEAVY WEAR PROTECTION Special rubber elements

### ZP bars

ZP bars with rubber quality REMALINE 70 with excellent resistance against wear in dry conditions and impact energy. The profile enables a compensation of unfavourable impact angles (for rubber: 10° - 50°). Installation by means of vulcanized fastening profile made of aluminium and TT-Fastening Unit.

#### Properties

- Safe protection against abrasion in addition to impact energies with large-size bulk material
- Easy, flexible and fast application with secure fastening
- Reduces operating costs
- Long service-life increases the efficiency of your equipment
- Easy replacement
- Good resistance against weather

#### Area of application

- In applications with abrasion at high speeds
- Material transfer points with unfavorable angle of impact
- For medium to heavy duty applications in mining, gravel, sand and stone breaking mills and other industrial sectors
- In applications like bunkers, chutes, loading Points



ZP bars

### ZP bars

#### Specifications

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.09 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	63 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Weight	TT-Fastening Unit
539 0148	ZP bars ZP-100	100 x 130 x 2 500 mm	29 kg	II
539 0155	ZP bars ZP-150	150 x 190 x 2 500 mm	60 kg	II



## HEAVY WEAR PROTECTION Special rubber elements

### TT-Fastening Units

#### TT-Fastening Units I

- Torque: 90 Nm
- Consists of forged TT-Fasteners with washer and self-locking nut
- Recommendation: 4 pieces TT-Fastening Units per meter

Ref. No.	Designation	Dimensions
<b>539 1006</b>	<b>TT-Fastening I</b>	M 16 x 40 mm
<b>539 1013</b>	<b>TT-Fastening I</b>	M 16 x 60 mm
<b>539 1020</b>	<b>TT-Fastening I</b>	M 16 x 80 mm
<b>539 1037</b>	<b>TT-Fastening I</b>	M 16 x 100 mm
<b>539 1044</b>	<b>TT-Fastening I</b>	M 16 x 120 mm

#### TT-Fastening Units II

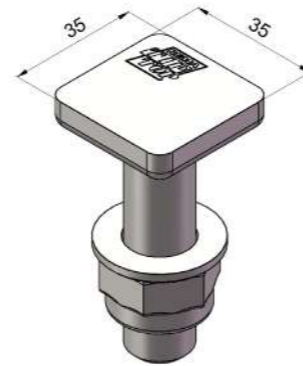
- Torque: 150 Nm
- Consists of forged TT-Fasteners with washer and self-locking nut
- Recommendation: 4 pieces TT-Fastening Units per meter

Ref. No.	Designation	Dimensions
<b>539 1068</b>	<b>TT-Fastening II</b>	M 20 x 60 mm
<b>539 1075</b>	<b>TT-Fastening II</b>	M 20 x 80 mm
<b>539 1082</b>	TT-Fastening II	M 20 x 100 mm
<b>539 1099</b>	TT-Fastening II	M 20 x 120 mm

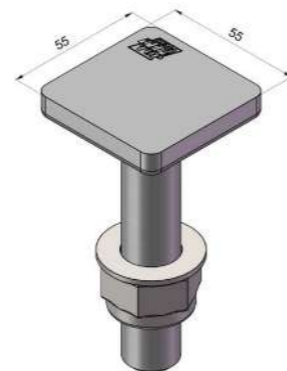
#### TT-Fastening Units III

- Torque: 15 Nm
- Consists of forged TT-Fasteners with washer and self-locking nut
- Recommendation: 4 pieces TT-Fastening Units per meter

Ref. No.	Designation	Dimensions
<b>539 1460</b>	TT-Fastening III	M 10 x 30 mm
<b>539 1477</b>	TT-Fastening III	M 10 x 60 mm



TT-Fastening Unit I



TT-Fastening Unit II



TT-Fastening Unit III

## HEAVY WEAR PROTECTION Special rubber elements

### Serrated profile plates

Serrated profile plates ZP with rubber quality REMALINE 70 with excellent resistance against wear in dry conditions and impact energy. The profile enables a compensation of unfavourable impact angles (for rubber: 10° - 50°).

#### Properties

- Safe protection against abrasion in addition to impact energies with large-size bulk material
- Easy, flexible and fast application with secure fastening
- Reduces operating costs
- Long service-life increases the efficiency of your equipment
- Easy replacement
- Good resistance against weather

#### Area of application

- Material transfer points with problematic impact angle
- Impact aprons and elastic impact curtains



ZP 15 A/ZP 35 A/ZP 55 A



ZP 15 B/ZP 35 B/ZP 55 B

#### Serrated profile plate ZP A

REMALINE 70 serrated anti-wear rubber on S235 (St-37) metal backing.

#### Specifications

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.09	DIN EN ISO 1183-1
Hardness	63 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Weight
<b>539 4278</b>	Serrated profile plate ZP-15 A	15 x 500 x 2 520 mm	42 kg
<b>539 4292</b>	Serrated profile plate ZP-35 A	35 x 500 x 2 520 mm	59 kg
<b>539 4319</b>	<b>Serrated profile plate ZP-55 A</b>	55 x 500 x 2 486 mm	72 kg

#### Serrated profile plate ZP B

REMALINE 70 serrated anti-wear rubber fabric reinforced (EP 160) and equipped with CN bonding layer.

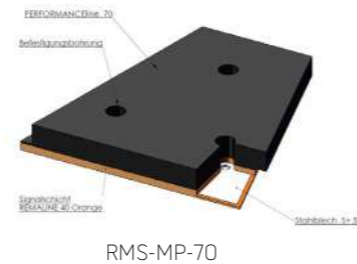
Ref. No.	Designation	Dimensions	Weight
<b>539 4285</b>	Serrated profile plate ZP 15-B	15 x 500 x 2 495 mm	17 kg
<b>539 4302</b>	<b>Serrated profile plate ZP 35-B</b>	35 x 500 x 2 495 mm	32 kg
<b>539 4326</b>	<b>Serrated profile plate ZP 55-B</b>	55 x 500 x 2 461 mm	47 kg

## HEAVY WEAR PROTECTION Special rubber elements



### RMS-MP-70 – Modular wear protection system

RMS-MP-70 modules in one size of 300/600x600 mm. Interconnection with overlap system. The modules have a trapezoidal shape. Highly wear-resistant rubber grade REMA PERFORMANCE line 70 and REMALINE 40 orange as a signal layer on 5 mm metal backing S235 (St-37) hot vulcanized. Thickness of the Remaline 40 orange signal layer depends on the total thickness of the RMS-MP-70 module. Mounting holes are already inserted at the specified distance. The vulcanized metal backing plate prevents fine material from settling under the lining and allows secure fastening.



#### Properties

- Safe protection against impact due to dry, sharp-edged material
- Better stability of the overall armor and prevents the penetration of fine material between the modules through overlap connection system
- Trapezoidal shape reduces wear (leachings at seams)
- Long service life leads to increased system availability

- Simple, flexible and quick installation with secure attachment
- Easy replacement
- Optimal surface protection with wear indicator (signal layer)
- Precise maintenance planning possible (preventive maintenance)
- Reduction of storage and thus operating costs
- Reduction of noise pollution
- Vibration damping
- Weatherability

#### Area of application

- Highest wear resistance in applications with impact and abrasion wear
- Very heavy to medium heavy duty mining, quarries, sand and gravel works and other bulk industries
- E.g. dump truck bodies, primary bunkers, hoppers, chutes, loading points, feeders, funnels, silos, etc., which are subject to high wear and noise

### RMS-MP-70

#### Specifications

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.12 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	65 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Thickness	Weight	Dimensions	REMA PERFORMANCE line 70	REMALINE 40 orange
539 4512	RMS-MP-70-R; 40 mm	40 mm	21 kg	40 x 300 / 600 x 600 mm	30 mm	10 mm
539 4513	RMS-MP-70-L; 40 mm	40 mm	21 kg	40 x 300 / 600 x 600 mm	30 mm	10 mm
539 4530	RMS-MP-70-BUNDLE; 40 mm (10x RMS-MP-70-R, 10x RMS-MP-70-L, Rubber cord)					
539 4510	RMS-MP-70-R; 80 mm	80 mm	32 kg	80 x 300 / 600 x 600 mm	60 mm	20 mm
539 4511	RMS-MP-70-L; 80 mm	80 mm	32 kg	80 x 300 / 600 x 600 mm	60 mm	20 mm
539 4540	RMS-MP-70-BUNDLE; 80 mm (10x RMS-MP-70-R, 10x RMS-MP-70-L, Rubber cord)					

Note: Other sizes and configurations available upon request. Special elements available: Ceramic, oil, heat, polyurethane, UHQPE.

## HEAVY WEAR PROTECTION Special rubber elements

### REMASTEEL 60 – Rubber plates with metal backing

REMASTEEL plates with rubber quality REMALINE 60 with excellent resistance against wear in dry conditions and impact energy. A 3 mm S235 (St-37) metal backing hot vulcanized on the undersurface enables a easy fitting on the application areas by means and prevents dust and material spillage.



REMASTEEL 60

#### Properties

- Safe protection against abrasion in addition to impact energies with large-size bulk material
- Easy, flexible and fast application with secure fastening
- Reduction of operating costs
- Long service-life increases the efficiency of your equipment
- Easy replacement possible
- Noise and vibration reducing
- Good resistance against weather

#### Area of application

- Highest resistance for applications with impact energies and abrasion
- For heavy to medium duty applications in mining, gravel, sand and stone breaking mills and other industrial sectors
- In applications like SKW bodies, bunkers, chutes, loading points, slides, hoppers, silos, etc., which are subject to wear and noise influences

### REMASTEEL 60

#### Specifications

Polymer basis	BR/IR/SBR	DIN ISO 1629
Specific weight	1.13 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Weight
539 1500	REMASTEEL 60	10 x 1 250 x 2 500 mm	98 kg
539 1510	REMASTEEL 60	15 x 1 250 x 2 500 mm	115 kg
539 1520	REMASTEEL 60	20 x 1 250 x 2 500 mm	133 kg
539 1530	REMASTEEL 60	25 x 1 250 x 2 500 mm	150 kg
539 1540	REMASTEEL 60	30 x 1 250 x 2 500 mm	168 kg
539 1550	REMASTEEL 60	40 x 1 250 x 2 500 mm	203 kg
539 2000	REMASTEEL 60	10 x 300 x 300 mm	2.8 kg
539 2010	REMASTEEL 60	15 x 300 x 300 mm	3.3 kg
539 2020	REMASTEEL 60	20 x 300 x 300 mm	3.8 kg
539 2030	REMASTEEL 60	25 x 300 x 300 mm	4.3 kg
539 2040	REMASTEEL 60	30 x 300 x 300 mm	4.8 kg
539 2050	REMASTEEL 60	40 x 300 x 300 mm	5.8 kg

## HEAVY WEAR PROTECTION Special rubber elements

### REMASTEEL 70 – Rubber plates with metal backing

REMASTEEL plates with rubber quality REMALINE 70 with excellent resistance against wear in dry conditions and impact energy. A 3 mm S235 (St-37) metal backing hot vulcanized on the undersurface enables a easy fitting on the application areas by means and prevents dust and material spillage.



REMASTEEL 70

#### Properties

- Safe protection against abrasion in addition to impact energies with large-size bulk material
- Easy, flexible and fast application with secure fastening
- Reduction of operating costs
- Long service-life increases the efficiency of your equipment
- Easy replacement possible
- Noise and vibration reducing
- Good resistance against weather

#### Area of application

- Highest resistance for applications with impact energies and abrasion
- For heavy to medium duty applications in mining, gravel, sand and stone breaking mills and other industrial sectors
- In applications like SKW bodies, bunkers, chutes, loading points, slides, hoppers, silos, etc.

### REMASTEEL 70

#### Specifications

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.09 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	63 Shore A	DIN ISO 7619-1
Colour	Black	

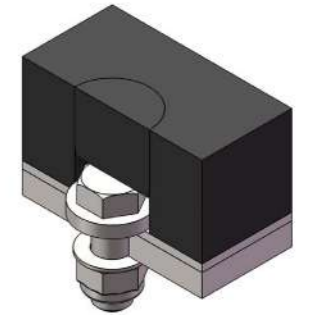
Ref. No.	Designation	Dimensions	Weight
539 1560	REMASTEEL 70	10 x 1 250 x 2 500 mm	98 kg
539 1570	REMASTEEL 70	15 x 1 250 x 2 500 mm	115 kg
539 1580	REMASTEEL 70	20 x 1 250 x 2 500 mm	133 kg
539 1590	REMASTEEL 70	25 x 1 250 x 2 500 mm	150 kg
539 1600	REMASTEEL 70	30 x 1 250 x 2 500 mm	168 kg
539 1610	REMASTEEL 70	40 x 1 250 x 2 500 mm	203 kg
539 2060	REMASTEEL 70	10 x 300 x 300 mm	2.8 kg
539 2070	REMASTEEL 70	15 x 300 x 300 mm	3.3 kg
539 2080	REMASTEEL 70	20 x 300 x 300 mm	3.8 kg
539 2090	REMASTEEL 70	25 x 300 x 300 mm	4.3 kg
539 2100	REMASTEEL 70	30 x 300 x 300 mm	4.8 kg
539 2110	REMASTEEL 70	40 x 300 x 300 mm	5.8 kg

## HEAVY WEAR PROTECTION Special rubber elements

### Accessories – HDL- and HDL-MP-plates

#### HDL and HDL-MP Fastening Unit A

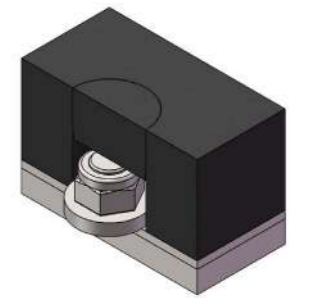
Ref. No.	Designation
539 2696	Hex. bolt, M20 x 80 mm / DIN931 ISO4014
539 2816	Hex. nut, DIN 985, self-locking, M20
539 4412	Rubber cord, Ø 55 x 1 000 mm
539 2768	U-washer, DIN 125-St., inside Ø 21 mm
539 2775	U-washer, DIN 7349, outer Ø 44 mm



HDL Fastening Unit A

#### HDL and HDL-MP Fastening Unit B

Ref. No.	Designation
539 2720	Stud bolt, M 20x35 mm
539 2775	U-washer, DIN 7349, outer Ø 44 mm
539 2816	Hex. nut, DIN 985, self-locking, M20
539 4412	Rubber cord, Ø 55 x 1 000 mm



HDL Fastening Unit B

#### HDL and HDL-MP drill

For additional boreholes in rubber such as REMASTEEL.

Ref. No.	Designation
539 4405	HDL drill 50 mm , Shaft for drill chuck (rigid shaft Ø 10 mm)



539 4405

## 4. Anticaking

**REMAFLON** 72

Non-stick liners.

**REMALEN** 73

Non-stick liners.

**REMASLIDE Plates** 74

Non-stick liners.



ANTICAKING  
REMAFLON – Non-stick liners

REMAFLON – The solution for extreme material flow problems

REMAFLON lining is a combination of polytetrafluorethylene (PTFE = Teflon®) and rubber. They feature especially slippery surfaces, thereby preventing extreme build-up and material flow problems. REMAFLON ensures perfect protection in most applications where dust or very fine and slightly moist material prone to buildup has to be conveyed. In particular, the virginal PTFE surface of REMAFLON features outstanding anti-adhesive properties, which make the surface even more slippery.



REMAFLON

**Properties**

- Safe protection from material flow Problems
- Excellent anti-caking properties thanks to the Teflon® surface (PTFE = extremely low adhesion and friction coefficients)
- Very good chemical resistance
- Noise damping
- CN bonding layer provides fast and good adhesion
- Teflon® surfaces approved for contact with food

**Area of application**

- Used for toughest caking and material flow problems requiring the use of Teflon surfaces, such as for REA plaster or for the molasses segment (wet) of the sugar industry
- Flow improvement of very fine and powdery, non-abrasive materials
- Lining to prevent bridging and obstructions
- Lining for gutters, slides, transfer stations and containers
- Coating for walls and outlet elements in glass production Lining to prevent bridge formation and blockage

**REMAFLON**

- Surface: White, PTFE virginal, 1 mm
- Base: Rubber (black) with CN bonding layer, 2 mm
- Required adhesive system for food contact: CEMENT SC 4000 white/HARDENER E-40 or CEMENT SC 2000 white/HARDENER ER-42

**Specifications**

Polymer basis	PTFE	DIN ISO 1629
Specific weight	2.16 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	54 Shore D	DIN ISO 7619-1
Colour	White	

Ref. No.	Designation	Dimensions
550 7004	REMAFLON	3 x 1 200 x 2 000 mm
550 7005	REMAFLON	3 x 1 200 x 4 000 mm
550 7006	REMAFLON	3 x 1 200 x 6 000 mm
550 7007	REMAFLON	3 x 1 200 x 8 000 mm
550 7008	REMAFLON	3 x 1 200 x 10 000 mm

ANTICAKING  
REMALEN – Non-stick liners

REMALEN – The special solution for any material flow problem

REMALEN linings are designed for a specially wide range of applications in a wide area of industry thanks to their excellent surface quality. Especially when conveying and handling very fine-particle and dust-like material, linings with REMALEN reduce the build-up of fine material to a minimum and thereby increasing the productivity of your equipment.



REMALEN

**Properties**

- Optimum protection from build-up, bridging and against wear
- Noise damping
- Reduction of maintenance costs
- Excellent cost-performance-ratio
- CN bonding layer provides fast and good adhesion
- PE surface is food quality

**Area of application**

- Prevents flow problems with very fine and powdery, non-abrasive materials
- Used in the storage and transport area for bulk and unit load materials
- Lining for gutters, slides, material transfer stations, pipelines, storage container, funnels, cyclones, cones, etc.

**REMALEN**

- Surface: Transparent, UHMW-PE, 1 mm
- Base: Rubber (black) with CN bonding layer, 2 mm
- Required adhesive system for food contact: CEMENT SC 4000 white/HARDENER E-40 or CEMENT SC 2000 white/HARDENER ER-42

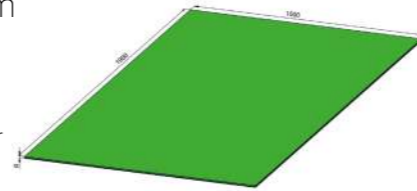
**Specifications**

Polymer basis	PE	DIN ISO 1629
Specific weight	0.93 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	61 Shore D	DIN ISO 7619-1
Colour	Transparent	

Ref. No.	Designation	Dimensions
550 9882	REMALEN	3 x 1 450 x 4 000 mm
550 9883	REMALEN	3 x 1 450 x 6 000 mm
550 9884	REMALEN	3 x 1 450 x 8 000 mm
550 9885	REMALEN	3 x 1 450 x 10 000 mm

**REMASLIDE plates** – The solution for any material flow problem

REMASLIDE sheets are made of the highest quality polyethylene (PE) and rubber. Thanks to the smooth surface, REMASLIDE sheets improve the material flow with fine and dusty (not sharp-edged) materials and thereby increase the throughput and productivity of your system.



REMASLIDE plates

**Properties**

- Excellent anti-adhesion properties
- Optimum protection against wear and caking
- CN bonding layer provides fast and good adhesion

**Area of application**

- Prevents flow problems with fine and powdery (non-sharp-edged) materials for example in coal or ore processing plants or paper, cement or gypsum industry
- Lining for bunkers, silos and other containers as well as their transport through chutes and hoppers

**REMASLIDE plate**

- Surface: Green, PE-UHMW, 5 mm or 10 mm
- Base: Rubber (black) with CN bonding layer, 3 mm

**Specifications**

Polymer basis	PE-UHMW	DIN ISO 1629
Specific weight	0.94 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	63 Shore D	DIN ISO 7619-1
Colour	Green	

Ref. No.	Designation	Dimensions
<b>550 7065</b>	<b>REMSLIDE-Platte</b>	8 x 1 000 x 1 900 mm
<b>550 6963</b>	REMSLIDE-Platte	13 x 1 000 x 1 900 mm

## 5. Adhesives & Rubber Solutions

REMABOND Adhesive Systems	78
REMAFIX filler and repair pastes	87
Self-vulcanising repair systems	90
Adhesives and rubber solutions based on trichloroethylene	92



**CEMENT SC series**

REMA TIP TOP CEMENT SC 4000 processed with HARDENER ER-42 is a trichloroethylene-free two-component bonding system with excellent adhesion and superior dynamic load universally applicable for durable rubber-rubber, rubber-fabric, rubber-metal and fabric-fabric bonds in the fields of wear and corrosion protection as well as in conveyor belt technology.

**Properties**

- Outstanding initial bond strength
- High dynamic load rating
- High-strength bonds
- Can be universally used on many materials
- Future-proof, REACH compliance
- Excellent adhesion
- Proven product quality
- Easy to apply
- Brand quality from REMA TIP TOP
- Economic in consumption
- Complements REMA TIP TOP wear protection and repair systems with CN bonding layer
- Good resistance to water, acids and alkalis

**Area of application**

- Cold splicing and repairs of conveyor belts with fabric reinforcements
- Bonding of rubber components and linings
- Bonding of elastomer laggings for drive pulleys



525 2602



525 2619



525 1067



525 1151

**CEMENT SC 4000**

**CHC-free**

Food contact applications: CEMENT SC 4000 white with HARDENER E-40 has been tested and approved for food contact. The ingredients of CEMENT SC 4000 white meet the regulations of U.S. Food and Drug Administration (FDA, CFR 21§175.105). For HARDENER E-40 a TOR has been granted (CFR 21§170.39).

High initial bonding strength. Pot life of 2 hours. Processed with 4 % HARDENER ER-42 or HARDENER E-40 (30 g per 0.7 kg).

**Specifications**

Polymer basis	CR	DIN ISO 1629
Specific weight	0.96 g/cm <sup>3</sup>	
Solvent	Cyclohexan/Ethylacetat	
Colour	Black, green, white	

Ref. No.	Designation	Colour	Content	Qty	Qty/palett
525 2592	CEMENT SC 4000	black	350 g (390 ml)	20	1000
525 2602	CEMENT SC 4000	black	700 g (780 ml)	10	490
525 2619	CEMENT SC 4000	black	4.5 kg (5 l)	1	80
525 2657	CEMENT SC 4000	black	9 kg (10 l)	1	45
525 2633	CEMENT SC 4000	black	190 kg (200 l)	1	2
525 2704	CEMENT SC 4000	white	700 g (780 ml)	10	720
525 1122	HARDENER E-40		15 g	10	4800
525 1067	HARDENER E-40		30 g	10	3920
525 1116	HARDENER ER-42		15 g	10	4800
525 1151	HARDENER ER-42		30 g	10	3920



## CEMENT PERFORMANCE 140 HT

CEMENT PERFORMANCE 140 HT processed with HARDENER PERFORMANCE 140 HT is an isocyanate-free, two-component adhesive system with extremely long pot life. Through its' special cross-linking system, the adhesive system achieves an excellent bonding strenght especially for CN-Metal-Bonding in high temperature applications (80-120 °C).

### Properties

- High initial bonding strength
- High dynamic load rating
- High-strength bonds
- Future-proof, REACH compliance
- Easy to apply
- Brand quality from REMA TIP TOP
- Economic in consumption
- Complements REMA TIP TOP wear protection and repair systems with CN bonding layer
- Excellent temperature resistance
- Good resistance to water, acids and alkalis

### Area of application

- Bonding of rubber components and linings
- Bonding of elastomer laggings for drive pulleys or pulley motors
- Bonding of REMALINE 70 HR and REMAGRIP 60 HR



525 5001



525 5012

## CEMENT PERFORMANCE 140 HT

### CHC-free, Isocyanate-free

High initial bonding strength. Pot life of 4 weeks. Long curing time. Processed with 7 % HARDENER PERFORMANCE 140 HT (50 g per 700 g).

### Specifications

Polymer basis	CR	DIN ISO 1629
Specific weight	0.96 g/cm <sup>3</sup>	
Solvent	Cyclohexan/Ethylacetat	
Colour	Yellow	

Ref. No.	Designation	Colour	Content	Qty
525 5001	CEMENT PERFORMANCE 140 HT	yellow	700 g (780 ml)	10
525 5012	HARDENER PERFORMANCE 140 HT	red	50 g	10

## CEMENT BC series

REMA TIP TOP CEMENT BC 3004 processed with HARDENER ER-42 is a trichlorethylene-free two-component bonding system and due to its long open contact adhesion time especially applicable for large-area, rubber-rubber, rubber-metal and rubber-concrete bonds in the fields of wear and corrosion protection.

### Properties

- Long open time
- High dynamic load rating
- High-strength bonds
- Can be universally used on many materials
- Future-proof, REACH compliance
- Excellent adhesion
- Proven product quality
- Easy to apply
- Brand quality from REMA TIP TOP
- Economic in consumption
- Complements REMA TIP TOP wear and

corrosion protection and repair systems with CN bonding layer

- Good resistance to water, acids and alkalis

### Area of application

- Tank linings
- Laggings of large-size pulleys
- On-site rubber linings
- Large-area surface protection linings



525 4088



525 4143



525 1067



525 1151

## CEMENT BC 3004

### CHC-free

Long open contact adhesion time - especially for large-area corrosion protection linings. Long curing time. Not suitable for repairing and splicing conveyor belts or for bonding that requires high initial adhesion strength. Processed with 4 % HARDENER ER-42 or HARDENER E-40 (30 g per 0.7 kg).

### Specifications

Polymer basis	CR	DIN ISO 1629
Specific weight	0.96 g/cm <sup>3</sup>	
Solvent	Cyclohexan/Ethylacetat	
Colour	Blue	

Ref. No.	Designation	Colour	Content	Qty	Qty/palett
525 4088	CEMENT BC 3004	blue	700 g (780 ml)	10	490
525 4095	CEMENT BC 3004	blue	4.5 kg (5 l)	1	80
525 4143	CEMENT BC 3004	blue	9 kg (10 l)	1	45
525 4130	CEMENT BC 3004	blue	18 kg (20 l)	1	18
525 4105	CEMENT BC 3004	blue	190 kg (200 l)	1	2
525 1067	HARDENER E-40		30 g	10	3920
525 1151	HARDENER ER-42		30 g	10	3920

### CEMENT PC series

REMA TIP TOP CEMENT PC-4 processed with HARDENER ER-42 is a trichlorethylene-free two-component bonding system especially developed for the durable splicing of PVC conveyor belts as well as for the repair and bonding of foils and sheets made of soft PVC or polyurethane.

#### Properties

- Long open time
- High dynamic load rating
- High-strength bonds
- Future-proof, REACH compliance
- Excellent adhesion
- Proven product quality
- Easy to apply
- Brand quality from REMA TIP TOP
- Economic in consumption

#### Area of application

- Cold splicing and repairs of PVC conveyer belts
- Repair of soft PVC items
- Bonding of polyurethane materials



532 0352



525 1067



525 1151

### CEMENT PC-4

#### CHC-free

Processed with 4 % HARDENER ER-42 or HARDENER E-40 (15 g per 350 g).

#### Specifications

Polymer basis	PU	DIN ISO 1629
Specific weight	0.83 g/cm <sup>3</sup>	
Solvent	Ethylmethylketon	
Colour	Transparent	

Ref. No.	Designation	Colour	Content	Qty
532 0352	CEMENT PC-4	transparent	350 g (420 ml)	20
532 0369	CEMENT PC-4	transparent	9 kg (10.8 l)	1
525 1122	HARDENER E-40		15 g	10
525 1067	HARDENER E-40		30 g	10
525 1116	HARDENER ER-42		15 g	10
525 1151	HARDENER ER-42		30 g	10

### SOLUTION NRX-MOD

SOLUTION NRX-MOD is a two-component solution, which can improve the strenght of rubber-to-rubber bonding. NRX-MOD modifies the surface of many rubber mixtures, which have a high natural rubber content and that way improves their bonding ability.

#### Properties

- Reliable adhesion to natural rubber
- No mistakes when mixing (dosed components)
- Easy to apply (1 coat)
- Long shelf life (2 years)
- Brand quality from REMA TIP TOP
- Economic in consumption

#### Area of application

- Seam bonding of rubber components
- Bonding of buffed  
REMALINE 25  
REMALINE 35  
REMALINE 40 orange  
REMALINE 40 black  
REMALINE 40 HR  
REMALINE 40 WHITE FOOD



SOLUTION NRX-MOD

### SOLUTION NRX-MOD

Ref. No.	Designation	Content	Qty
525 5023	SOLUTION NRX-MOD Comp. A	150 ml	10
525 5031	SOLUTION NRX-MOD Comp. B	4.6 g	10

## METAL PRIMER

REMA TIP TOP METAL PRIMER are used to promote adhesion strength and temperature stability of elastomer-metal bonds with high dynamic and static loads. Primers and adhesives that are designed to work together produce a bonding system with superior stability. Aside from excellent adhesion of rubber-metal, the primers offer additional temporary corrosion protection for the prepared steel surfaces with low consumption of materials and easy application.

### Properties

- Future-proof, REACH compliance
- Economic in consumption
- Excellent adhesion in combination with SC 4000, BC 3004
- Short drying time
- Additional temporary protection for atmospheric corrosion (humidity)

### Area of application

- METAL PRIMER are used to pretreat metal surfaces of elastomer-metal bonds prior to rubber-metal bonding with high dynamic and static loads

## METAL PRIMER CHC-free

Ref. No.	Designation	Colour	Content	Qty
525 2406	PRIMER PR 200	gray	750 g (810 ml)	10
525 2451	PRIMER PR 200	gray	9 kg (9.7 l)	1
525 4112	PRIMER PR 304	red	750 g (740 ml)	10
525 4150	PRIMER PR 304	red	10 kg (9.8 l)	1



525 2406



525 4112

## Cleaning fluid

REMA TIP TOP cleaning fluid provide clean surfaces (free of dust, oil and grease) for all kinds of bondings or coatings. It has proven highly effective for cleaning metal surfaces subsequent to blasting or grinding.

### Properties

- Excellent oil and grease-dissolving
- Future-proof, REACH compliance
- Economic in consumption

### Area of application

- REMA TIP TOP cleaning fluids can be universally used to remove oil and grease from surfaces and to clean used brushes (i.e. CHC-free adhesive systems, primers, vulcanizing and heating solutions)

## SOLVENT CF-R4 CHC-free

For universal use with CHC-free adhesive systems, primers, vulcanizing and heating solutions. Can be used as spray for precise cleaning of small areas.

Ref. No.	Designation	Content	Qty
595 9118	SOLVENT CF-R4	250 ml	25
595 9125	SOLVENT CF-R4	800 ml	10
595 9132	SOLVENT CF-R4	5 l	1
595 9149	SOLVENT CF-R4	500 ml spray	12

## SOLVENT CF-CE CHC-free

For universal use with CHC-free adhesive systems, primers, vulcanizing and heating solutions.

Ref. No.	Designation	Content	Qty
595 9163	SOLVENT CF-CE	10 l	1



595 9118



595 9125



595 9132

Accessories

Measuring cup

For dosing adhesives, heating solutions, hardeners, etc.

Ref. No.	Designation
595 8597	Measuring cup, 180 ml, plastic



595 8597

Measuring bucket

For dosing adhesives, heating solutions, hardeners, etc.

Ref. No.	Designation
595 8580	Measuring bucket, 1 l
595 8573	Cover, for measuring bucket, 1 l



595 8580

Outlet valve for drums

Outlet valve for 200 l drum with 2 inch bunghole.

Ref. No.	Designation
525 8871	Outlet valve



595 8573

Filler paste for steel surfaces – REMAFIX 111

REMAFIX 111 is a two-component, solvent-free, gray coloured repair paste, highly filled with special fillers, based on epoxy resin with high chemical and thermal resistance for the preparation of damaged metal substrates for rubber lagging.

Properties

- High level of hardness
- Excellent mechanical properties
- Excellent adhesion on steel surfaces
- No primer needed
- Good chemical resistance
- Permanent thermal stability up to +140°C
- Applicable under rubber linings vulcanized in the autoclave (+140°C)
- Solvent free
- Well grindable

Area of application

- Restoration of defective metallic surfaces
- Corrosion-resistant repair paste for the repair of defects in metallic surfaces under hard or soft rubber
- Repair and restoration of defective pulley shells before application of the pulley lagging



REMAFIX 111

REMAFIX 111

Solvent-free

Ref. No.	Designation	Colour	Content	Qty
525 1211	REMAFIX 111 Comp. A	gray	600 g	10
525 1221	REMAFIX 111 Comp. B	gray	400 g	10

### Repair paste for steel surfaces – REMAFIX ST

REMAFIX ST is a two-component, solvent-free, highly filled with ceramic and ferritic fillers, dark gray coloured repair paste based on epoxy resin with high chemical and thermal resistance for repair of damaged metal substrates.

#### Properties

- High level of hardness
- Excellent mechanical properties
- Excellent adhesion on steel surfaces
- No primer needed
- Good chemical resistance
- Permanent thermal stability up to +140°C
- Solvent-free
- No shrinkage
- Very abrasion resistant

#### Area of application

- Corrosion-, abrasion- and temperature resistant repair paste for the repair of worn out metallic surfaces
- Repair and protection as well as for the filling of metallic surfaces (shafts, rollers, housings and fits) with pitting corrosion, cracks and other corrosive defects.



REMAFIX ST

#### REMAFIX ST

##### Solvent-free

Ref. No.	Designation	Colour	Content	Qty
525 1251	REMAFIX ST Comp. A	dark gray-silver	600 g	10
525 1261	REMAFIX ST Comp. B	dark gray-silver	400 g	10

### Repair paste for hard-rubber lining

#### REMAFIX H (A+B)

##### Solvent-free

REMAFIX H (A+B) is a reaction-hardening, solvent-free material in paste form for the repair of small damaged areas such as pores and cracks in hard-rubber lining. REMAFIX H (A+B) is also used as an adhesive paste for applying vulcanised hard rubber plates to flange surfaces.



525 0563

Ref. No.	Designation	Colour	Content	Qty
525 0563	REMAFIX H (A+B), 2 x 0.5 kg	black	1 kg	1

### Repair paste for soft-rubber lining

#### REMAFIX S

##### Solvent-free

REMAFIX S processed with hardener REMAFIX S H3 is a solvent-free, elastic two-component repair kit on a polymer base of a modified polybutadiene rubber (BR). REMAFIX S in combination with REMAFIX PR 100 bonding primer displays outstanding adhesion to various substrates, such as steel, soft rubber lining, hard rubber lining, graphite components and acid-proof ceramic. Its unique properties are good chemical resistance to non-oxidising mineral acids, bases, aqueous liquors, and especially the good resistance to media that feature high content of solids.



525 2853

Ref. No.	Designation	Colour	Content	Qty
525 2853	REMAFIX S	black	500 g	1
525 2891	REMAFIX S H3		25 g	1
525 2901	REMAFIX PR 100		250 g	1

## Self-vulcanizing repair systems

### FIXPASTE REMAFIX P

REMAFIX P is a pasty one-component fill compound for the filling of small flaws and gaps in rubber linings as well as for the repair of damaged areas in rubber components based on NR/SBR/IR/BR or blends of these elastomers (such as NR/IR) and is processed with CEMENT SC 4000.



525 0631

### REMAFIX P CHC-free

Ref. No.	Designation	Content	Qty
525 0631	REMAFIX P	700 g (780 ml)	10

### FIXPASTE VC-4 set

FIXPASTE VC-4 set is a two-component repair compound for the filling of small flaws and damaged areas in rubber components based on NR/SBR/IR/BR or blends of these elastomers (such as NR/IR) and is processed with CEMENT SC-BL.



516 9087

### FIXPASTE VC-4 SET CHC-free

Ref. No.	Designation	Content	Qty
516 9087	FIXPASTE VC-4 (A+B), 2 x 650 g incl. CEMENT SC-BL, 225 g	1.525 kg	1

## T2 repair system

The two-component T2 repair system is the time-saving, mobile and efficient choice for the repair of damages in belt covers or damages to rubber components based on NR/SBR/IR/BR or blends of these elastomers (such as NR/IR). It is mixed and applied with the REMA TIP TOP COMPOUND MASTER and self-vulcanizes at an ambient temperature of min. 18 °C. An additional vulcanizing system is not needed.

### Properties

- Easy and fast application
- No need for special heavy tools and machinery
- Simple to operate
- Very light and transportable for use onsite
- Quick return to service of your plants and equipment (no waiting time after repair)
- Reduces downtime, increases plant availability
- Cost-effective method of repair

### Area of application

- For repair of damages in belt covers or longitudinal tears
- For maintenance of gaskets
- For filling of gaps and joints in rubber lining and lagging
- For filling of V-shaped gaps in pulley lagging
- For cosmetic repairing on rubber components



517 7323

517 7330



517 7300

517 7402



517 9008



517 9015

### T2 products

- Processed with SOLUTION T2-A4 and T2-B4 (1:1)
- Application with REMA TIP TOP COMPOUND MASTER (see tools catalogue)
- T2-CL cleaning rubber for cleaning of device

### Specifications

Polymer basis	NR	DIN ISO 1629
Specific weight	1.19 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Content	Qty
517 7323	RUBBER T2-A 5 rolls à 3 x 20 x 5 500 mm	approx. 2 kg	
517 7330	RUBBER T2-B 5 rolls à 3 x 20 x 5 500 mm	approx. 2 kg	
517 7300	RUBBER T2-A, rope	6 kg	
517 7310	RUBBER T2-B, rope	6 kg	
517 7402	RUBBER T2-CL 5 rolls à 3 x 18 x 3 000 mm	approx. 1 kg	
517 7420	RUBBER T2-CL, rope	6 kg	
517 9008	SOLUTION T2-A4, CHC-free	700 g (780 ml)	10
517 9015	SOLUTION T2-B4, CHC-free	700 g (780 ml)	10

ADHESIVES AND RUBBER SOLUTIONS BASED ON TRICHLOROETHYLENE  
(exclusively offered to countries outside of the European Union)

**Note**

The following products are based on the non-flammable solvent trichloroethylene (CHC) and are exclusively offered to countries outside of the European Union (EU) exworks from the manufacturer. Adhesives and rubber solutions containing trichloroethylene are regulated within the EU by the REACH Regulation policies (EC) No. 1907/2006 of the European Parliament and the regulation (EU) No. 348/2013 of the EU Commission of 17.04.2013 amending Appendix XIV of the REACH Regulation. Following these policies, the ban on the use, storage and transport of CHC for all EU member states came into effect on 21.04.2016.

For further information please check [www.rtt-tri-free.eu](http://www.rtt-tri-free.eu)

**CEMENT SC 2000**

**Non-flammable**

High initial adhesion strength. Pot life of 2 hours. Processed with 4 % HARDENER UT-R 20 (40 g per 1 kg) or 3 % HARDENER ER-42 (30 g per 1 kg).  
Minimum waiting times with HARDENER UT-R 20.

Ref. No.	Designation	Colour	Content	Qty	Made in
525 2161	CEMENT SC 2000	black	1 kg (690 ml)	10	ZA
525 2163	CEMENT SC 2000	black	1 kg (690 ml)	10	US
525 2173	CEMENT SC 2000	black	5 kg (3.44 l)	1	US
525 4024	CEMENT SC 2000	black	6 kg (4.1 l)	1	ZA
525 2247	CEMENT SC 2000	white	1 kg (690 ml)	10	US
525 1151	HARDENER ER-42		30 g	10	DE
525 1043	HARDENER UT-R 20		40 g	10	DE



525 2161



525 1043



525 1151

ADHESIVES AND RUBBER SOLUTIONS BASED ON TRICHLOROETHYLENE  
(exclusively offered to countries outside of the European Union)

**CEMENT BC 3000**

**Non-flammable**

Long open contact adhesion time - especially for large-area corrosion protection linings.  
Long curing time. Not suitable for repairing and splicing conveyor belts or for bonding that requires high initial adhesion strength. Processed with 4 % HARDENER UT-R 20 (40 g per 1 kg) or 3 % HARDENER ER-42 (30 g per 1 kg).

Ref. No.	Designation	Colour	Content	Qty	Made in
525 2463	CEMENT BC 3000	blue	1 kg (690 ml)	10	US
525 4063	CEMENT BC 3000	blue	5 kg (3.44 l)	1	US
525 2493	CEMENT BC 3000	blue	290 kg (200 l)	1	US
525 1151	HARDENER ER-42		30 g	10	DE
5255 1043	HARDENER UT-R 20		40 g	10	DE

**SOLVENT CF-R2**

**Non-flammable**

Cleaning fluid for the removal of oil and grease from surfaces as well as used brushes (i.e. adhesives, vulcanizing and heating solutions). For use with CHC-containing adhesive systems and bonding solutions.

Ref. No.	Designation	Content	Qty	Made in
595 9025	SOLVENT CF-R2	800 ml	10	US
595 9083	SOLVENT CF-R2	3.79 l	1	US

## 6. Pulley Lagging

### REMA PERFORMANCEgrip 96

Premium pulley lagging.

### REMAGRIP 99

High quality pulley lagging.

### UNIGRIP 110

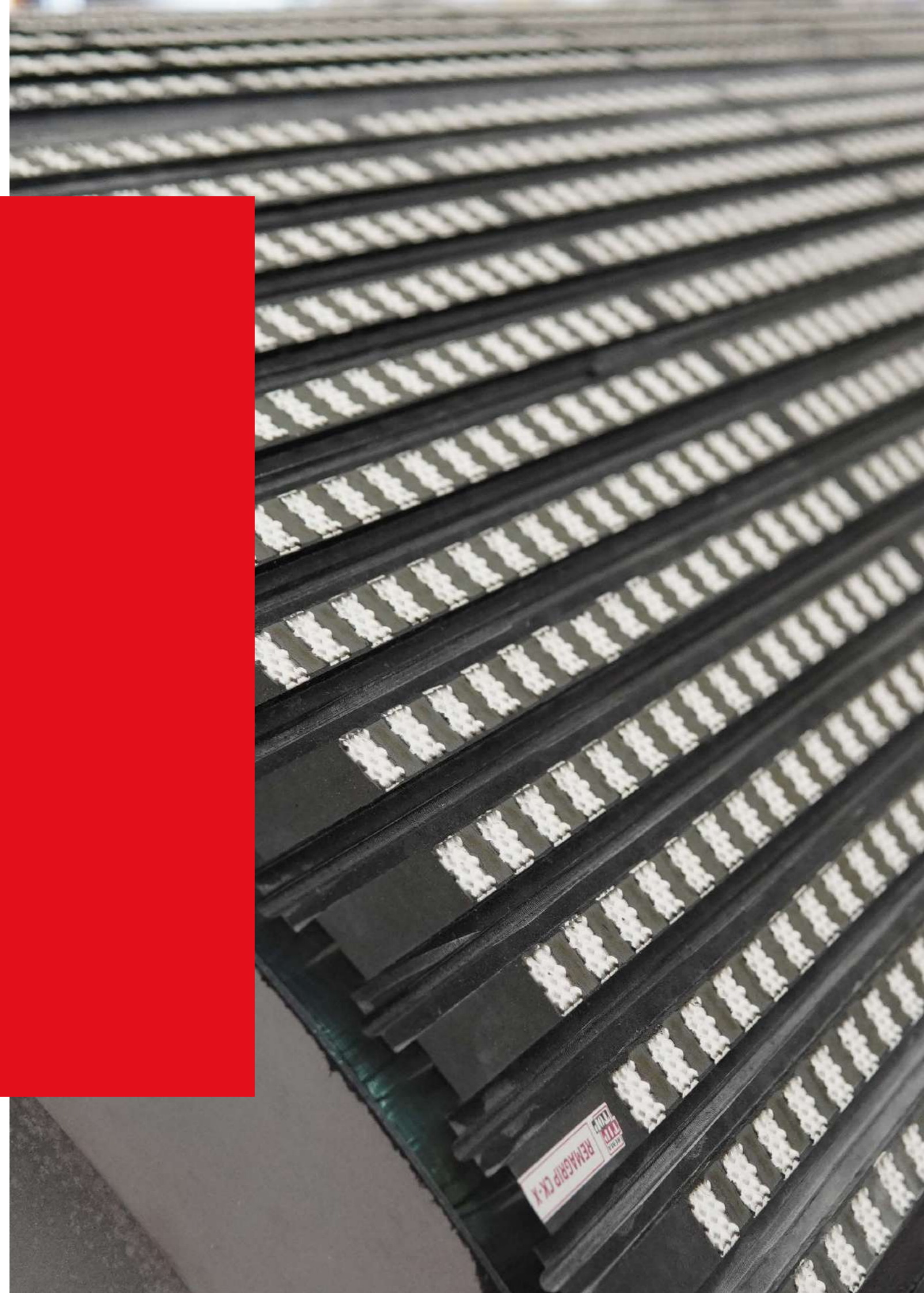
Pulley lagging.

### UNILAG 113

Pulley lagging.

### Pulley Coating 114

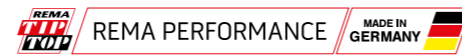
### Questionnaire 115





## PULLEY LAGGING

### REMA PERFORMANCEgrip – Premium quality pulley lagging

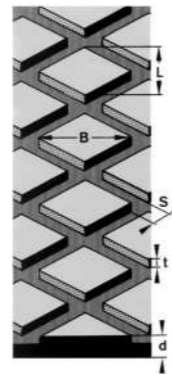


#### REMA PERFORMANCEgrip 70/CN – The premium pulley lagging material

REMA PERFORMANCEgrip 70/CN is more than a true all-rounder. The new premium pulley lagging material can be used as a lining material for driven and non driven pulleys in the wet as well as in the dry processing and can also withstand heaviest operating conditions. The profiling allows a high capacity for dirt absorption and in combination with excellent abrasion resistance and improved elongation to break, long service life is achieved. REMA PERFORMANCEgrip 70/CN is suitable for high tension and critical pulley applications.



REMA PERFORMANCEgrip 70/CN



#### Properties

- Reduces slippage between belt and pulley
- Improves and stabilizes coefficient of friction
- Evacuation of moisture and dirt
- Protects the pulley from wear and corrosion
- Prevents material build-up
- Positive influence on belt tracking
- Deep grooving to handle large amounts of dirt and provide long operating life

- Simple and easy bond with CN-bonding layer
- Improved abrasion
- Improved elongation at break

#### Area of application

- Grooved rubber lagging for drive pulleys
- Long belt conveyors
- Large pulley diameters (from 800 mm)
- For high-tension fabric and steelcord belts of all strengths

#### REMA PERFORMANCEgrip 70/CN

##### Specifications

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.12 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	65 Shore A	DIN ISO 7619-1
Profile	8 x 6 or 10 x 8 (Profile 50)	
Colour	Black	

Ref. No.	Designation	Dimensions	Profile	Weight
521 0407	REMA PERFORMANCEgrip 70/CN	10 x 2 000 x 10 000 mm	8 x 6 mm	10.20 kg/m <sup>2</sup>
521 0410	<b>REMA PERFORMANCEgrip 70/CN</b>	12 x 2 000 x 10 000 mm	8 x 6 mm	12.30 kg/m <sup>2</sup>
521 0412	REMA PERFORMANCEgrip 70/CN	15 x 2 000 x 10 000 mm	8 x 6 mm	15.86 kg/m <sup>2</sup>
521 0417	REMA PERFORMANCEgrip 70/CN	15 x 2 000 x 10 000 mm	10 x 8 mm	14.40 kg/m <sup>2</sup>
521 0422	REMA PERFORMANCEgrip 70/CN	20 x 2 000 x 10 000 mm	10 x 8 mm	20.33 kg/m <sup>2</sup>

## PULLEY LAGGING

### REMA PERFORMANCEgrip – Premium quality pulley lagging

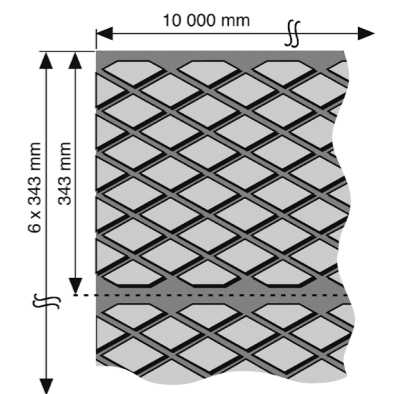


#### REMA PERFORMANCEgrip 70/CN-SL – The premium strip lagging

REMA PERFORMANCEgrip 70/CN - SL with excellent abrasion resistance, the values of improved elongation to break and effective evacuation of water, moisture and dirt. Its deep diamond profile and additional longitudinal grooves protect drums effectively and ensure stability in conveyor belt operation. The 343 millimeter width of the flooring strips can be flexibly cut to fit any drum width - both in the workshop and directly on site.



REMA PERFORMANCEgrip 70/CN - SL strip lagging



#### Properties

- REMA PERFORMANCEgrip 70/CN-SL premium quality with high abrasion resistance
- Reduces slippage between belt and pulley
- Improves and stabilizes coefficient of friction
- Evacuation of moisture and dirt
- Protects the pulley from wear and corrosion
- Prevents material build-up
- Positive influence on belt tracking
- Deep grooving to handle large amounts of dirt and provide long operating life
- Simple and easy to bond with CN-Bonding layer
- Improved abrasion

- Improved elongation at break
- Easy to cut to size with REMA TIP TOP rubber cutting device Type 32 and attachment

#### Area of application

- Grooved rubber lagging for drive pulleys
- Long belt conveyors
- Large pulley diameters (from 800 mm)
- For high-tension fabric and steel cordbelts of all strengths
- Pulley width up to 10.000 mm without circumferential seam
- No loss when cutting to individual pulley width
- Joint sealing with the well-proven T2-System

#### REMAGRIP 70/CN - SL strip lagging

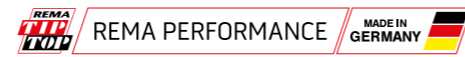
Can be cut to size for strip lagging of the pulley (also on the equipment). Easy to cut to size with rubber cutting device Type 32 and attachment.

##### Specifications

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.12 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	65 Shore A	DIN ISO 7619-1
Profile	8 x 6 mm (Profile 50)	
Colour	Black	

## PULLEY LAGGING

REMA PERFORMANCEgrip – Premium quality pulley lagging



### REMA PERFORMANCEgrip 70/CN-SL – The premium strip lagging

Ref. No.	Designation	Dimensions
	REMA PERFORMANCEgrip 70/CN SL	10 x 343 x 10 000mm
	REMA PERFORMANCEgrip 70/CN SL	12 x 343 x 10 000mm
	REMA PERFORMANCEgrip 70/CN SL	15 x 343 x 10 000mm
	REMA PERFORMANCEgrip 70/CN SL	20 x 343 x 10 000mm
<b>521 0306</b>	REMA PERFORMANCEgrip 70/CN - SL	10 x 2060 x 10 000 mm
<b>521 0309</b>	REMA PERFORMANCEgrip 70/CN - SL	12 x 2 060 x 10 000 mm
<b>521 0311</b>	REMA PERFORMANCEgrip 70/CN - SL	15 x 2 060 x 10 000 mm
<b>521 0316</b>	REMA PERFORMANCEgrip 70/CN - SL	20 x 2 060 x 10 000 mm

## PULLEY LAGGING

REMAGRIP – High-quality pulley lagging

### REMAGRIP 50 – The universal lagging with high elasticity

REMAGRIP 50 has been designed for a variety of wet or dry applications and can be universally applied as a lagging for drive pulleys for low to medium-loaded fabric belts. Thanks to its excellent elasticity, REMAGRIP 50 also features excellent qualities for eliminating material build-up (also for non-driven pulleys).



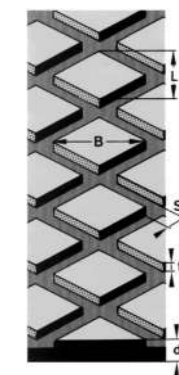
REMAGRIP 50

#### Properties

- Highly elastic, soft lagging for drive pulleys
- Reduces slippage between belt and pulley
- Improves and stabilizes coefficient of friction
- Evacuation of moisture and dirt
- Protects the pulley against wear and corrosion
- Prevents material build-up
- Positive influence on belt tracking
- Excellent self-cleaning properties
- CN bonding layer provides fast and good adhesion

#### Area of application

- Grooved rubber lagging for drive pulleys
- For low to medium-loaded fabric belts
- For short belt conveyers or small pulley diameters (up to 800 mm)



REMAGRIP 50  
 B = 35 mm  
 L = 18 mm  
 S = 6 mm  
 t = 3 mm  
 d = 8/10/12 mm

### REMAGRIP 50/CN

#### Specifications

Polymer basis	NR	DIN ISO 1629
Specific weight	1.11 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	51 Shore A	DIN ISO 7619-1
Profile	18 x 6 x 3 mm (Profile 20)	
Colour	Orange*	

Ref. No.	Designation	Dimensions	Weight
<b>549 4548</b>	<b>REMAGRIP 50/CN</b>	8 x 2 000 x 10 000 mm	8.56 kg/m <sup>2</sup>
<b>549 4605</b>	<b>REMAGRIP 50/CN</b>	10 x 2 000 x 10 000 mm	10.60 kg/m <sup>2</sup>
<b>549 4667</b>	REMAGRIP 50/CN	12 x 2 000 x 10 000 mm	12.72 kg/m <sup>2</sup>

\*Please note that this is a product based on natural rubber and therefore variations in color may occur.

PULLEY LAGGING  
 REMAGRIP – High-quality pulley lagging

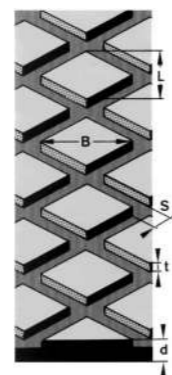
**REMAGRIP 60 WHITE OIL FOOD** – The oil and grease resistant universal lagging with high wear resistance for food contact

REMAGRIP 60 WHITE OIL FOOD can be applied as a lagging for drive pulleys for a variety of wet or dry applications. It fulfills the requirements for food contact and can be safely applied in any systems with hygiene requirements in accordance with:

- Federal Institute for Risk Assessment, Recommendations on Food Contact Materials XXI, Cat. 3+4 (Germany)
- Regulation (EU) No. 1935/2004
- FDA Regulation No. 21 CFR 177.2600
- Required adhesive system for food contact: CEMENT SC 4000 white/HARDENER E-40 or CEMENT SC 2000 white/HARDENER ER-42 FDA Regulation No. 21 CFR 177.2600



REMAGRIP 60 WHITE OIL FOOD



REMAGRIP 60  
 B = 35 mm  
 L = 18 mm  
 S = 6 mm  
 t = 3 mm  
 d = 10/12 mm

**Properties**

- Oil and grease resistant REMAGRIP 60 premium quality
- Food quality
- Reduces slippage between belt and pulley
- Improves and stabilizes coefficient of friction
- Evacuation of moisture and dirt
- Protects the pulley against wear and corrosion
- Prevents material build-up
- Positive influence on belt tracking
- CN bonding layer provides fast and good adhesion

**Area of application**

- Grooved rubber lagging for drive pulleys
- For low to medium-loaded fabric belts
- Small pulley diameters (up to 800 mm)

**REMAGRIP 60 WHITE OIL FOOD/CN**

**Specifications**

Polymer basis	NBR	DIN ISO 1629
Specific weight	1.22 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	56 Shore A	DIN ISO 7619-1
Profile	18 x 6 x 3 mm (Profile 20)	
Farbe	White	

Ref. No.	Designation	Dimensions	Weight
549 5468	REMAGRIP 60 WHITE OIL FOOD/CN	8 x 2 000 x 10 000 mm	8.72 kg/m <sup>2</sup>
549 5477	REMAGRIP 60 WHITE OIL FOOD/CN	10 x 2 000 x 10 000 mm	11.20 kg/m <sup>2</sup>

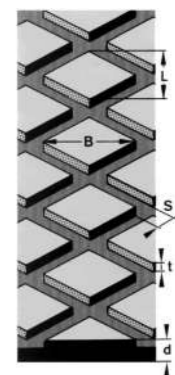
PULLEY LAGGING  
 REMAGRIP – High-quality pulley lagging

**REMAGRIP 70** – The universal lagging for heavy-duty operating conditions

REMAGRIP 70 has been designed for a variety of wet or dry applications and can be universally applied as a lagging for driven pulleys for heavy-loaded fabric and steelcord belts. REMAGRIP 70 offers optimum abrasion resistance, the deep grooving enables to handle large amounts of dirt and provides long operating life.



REMAGRIP 70



REMAGRIP 70  
 8 x 6:  
 B = 86 mm  
 L = 50 mm  
 S = 8 mm  
 t = 6 mm  
 d = 10/12/15 mm  
 10 x 8:  
 B = 86 mm  
 L = 50 mm  
 S = 10 mm  
 t = 8 mm  
 d = 15/20 mm

**Properties**

- Reduces slippage between belt and pulley
- Improves and stabilizes coefficient of friction
- Evacuation of moisture and dirt
- Protects the pulley from wear and corrosion
- Prevents material build-up
- Positive influence on belt tracking
- Deep grooving to handle large amounts of dirt and provide long operating life
- CN bonding layer provides fast and good adhesion

**Area of application**

- Grooved rubber lagging for drive pulleys
- Long belt conveyors
- Large pulley diameters (from 800 mm)
- For high-tension fabric and steelcord belts of all strengths

**REMAGRIP 70/CN**

**Specifications**

Polymer basis	BR/IR/SBR	DIN ISO 1629
Specific weight	1.12 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	64 Shore A	DIN ISO 7619-1
Profile	8 x 6 oder 10 x 8 (Profile 50)	
Colour	Black	

Ref. No.	Designation	Dimensions	Profile	Weight
549 5798	REMAGRIP 70/CN	10 x 2 000 x 10 000 mm	8 x 6 mm	10.20 kg/m <sup>2</sup>
549 5805	REMAGRIP 70/CN	12 x 2 000 x 10 000 mm	8 x 6 mm	12.30 kg/m <sup>2</sup>
549 5817	REMAGRIP 70/CN	15 x 2 000 x 10 000 mm	8 x 6 mm	15.86 kg/m <sup>2</sup>
549 5824	REMAGRIP 70/CN	15 x 2 000 x 10 000 mm	10 x 8 mm	14.40 kg/m <sup>2</sup>
549 5831	REMAGRIP 70/CN	20 x 2 000 x 10 000 mm	10 x 8 mm	20.33 kg/m <sup>2</sup>

PULLEY LAGGING  
 REMAGRIP – High-quality pulley lagging

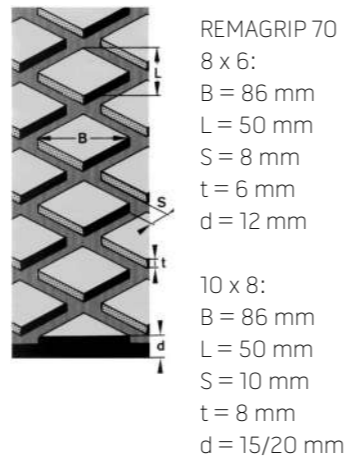
**REMAGRIP 70 V** – The self-extinguishing universal lagging for heavy-duty operating conditions

REMAGRIP 70 V is self-extinguishing and antistatic. It has been specially designed for challenging ATEX operating conditions with high fire regulation or potentially explosive environments such as coal mines or power plants for example.

Required adhesive system for antistatic rubber coatings:  
 PRIMER PR 200 and CEMENT SC 4000 black/HARDENER ER-42 or  
 CEMENT SC 2000 black/HARDENER UT-R 20.  
 German underground approval: LOBA No. 18.43.21-89-33  
 Polish underground approval: Dopuszczenie WUG Katowice No. B/1724/IV/2016



REMAGRIP 70 V



**Properties**

- Self-extinguishing, antistatic REMAGRIP 70 premium quality
- Moderate oil resistant
- Reduces slippage between belt and pulley
- Improves and stabilizes coefficient of friction
- Evacuation of moisture and dirt
- Protects the pulley from wear and corrosion
- Prevents material build-up
- Positive influence on belt tracking

- Deep grooving to handle large amounts of dirt and provide long operating life
- CN bonding layer provides fast and good adhesion

**Area of application**

- Grooved rubber lagging for drive pulleys
- Long belt conveyors
- Large pulley diameters (from 800 mm)
- For high-tension fabric and steel cord belts of all strengths

**REMAGRIP 70 V/CN**

**Specifications**

Polymer basis	CR	DIN ISO 1629
Specific weight	1.39 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Electric resistance	Antistatic*	
Inflammability	Self-extinguishing**	
CN bonding layer	Conductive, black	
Profile	8 x 6 oder 10 x 8 (Profile 50)	
Colour	Black	

Ref. No.	Designation	Dimensions	Profile	Weight
549 5853	REMAGRIP 70 V/CN	12 x 2 000 x 10 000 mm	8 x 6 mm	15.20 kg/m <sup>2</sup>
549 5876	REMAGRIP 70 V/CN	15 x 2 000 x 10 000 mm	10 x 8 mm	18.48 kg/m <sup>2</sup>
549 5886	REMAGRIP 70 V/CN	20 x 2 000 x 10 000 mm	10 x 8 mm	25.69 kg/m <sup>2</sup>

\* Surface and volume resistivity < 1 x 10<sup>6</sup> Ohm, tested in accordance with DIN EN ISO 284, DIN IEC 93.  
 \*\*Fulfills DIN 22100-7 safety requirements (fire safety, hygiene, electrical).

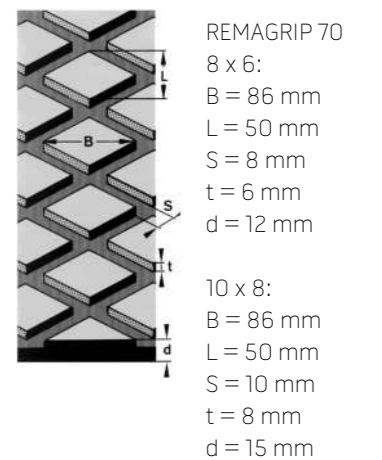
PULLEY LAGGING  
 REMAGRIP – High-quality pulley lagging

**REMAGRIP 70 HR** – The heat resistant universal lagging for heavy-duty operating conditions

REMAGRIP 70 HR has been specially designed as a lagging for drive pulleys in challenging operating conditions with high-temperature environments. It is able to withstand a continuous thermal stress of 90°C and even short-term stresses of 110°C. Recommended adhesive system for heat resistant rubber lagging: PRIMER PR 200 and CEMENT PERFORMANCE 140 HT with HARDENER PERFORMANCE 140 HT.



REMAGRIP 70 HR



**Properties**

- Heat resistant REMAGRIP 70 premium quality
- Reduces slippage between belt and pulley
- Improves and stabilizes coefficient of friction
- Evacuation of moisture and dirt
- Protects the pulley from wear and corrosion
- Prevents material build-up
- Positive influence on belt tracking
- Deep grooving to handle large amounts of dirt and provide long operating life
- CN bonding layer provides fast and good adhesion

**Area of application**

- Grooved rubber lagging for drive pulleys
- Long belt conveyors
- Large pulley diameters (from 800 mm)
- For high-tension fabric and steel cord belts of all strengths

**REMAGRIP 70 HR/CN**

**Specifications**

Polymer basis	BR/IR	DIN ISO 1629
Specific weight	1.11 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Profile	8 x 6 oder 10 x 8 (Profile 50)	
Max. temperature	up to 90 °C, short peaks up to 110 °C	
Colour	Black	

Ref. No.	Designation	Dimensions	Profile	Weight
549 5958	REMAGRIP 70 HR/CN	12 x 2 000 x 10 000 mm	8 x 6 mm	12.20 kg/m <sup>2</sup>
549 5972	REMAGRIP 70 HR/CN	15 x 2 000 x 10 000 mm	10 x 8 mm	14.05 kg/m <sup>2</sup>

PULLEY LAGGING  
 REMAGRIP – High-quality pulley lagging

**REMAGRIP 100** – The lagging for extremely wet operating conditions

REMAGRIP 100 has been specially designed as a lagging for drive pulleys in extremely wet operating conditions. REMAGRIP 100 offers optimum abrasion resistance, the knobbed surface enables to handle extreme environments such as wet operating conditions, clay or other smeary materials.



REMAGRIP 100

**Properties**

- Excellent self-cleaning properties
- Good belt tracking even in extremely wet conditions and where there's increased risk of slippage
- Superior wear resistance
- CN bonding layer provides fast and good adhesion

**Area of application**

- REMAGRIP 100 for lagging of drive pulleys for light belt conveyors (up to EP 630)
- REMAGRIP 100 HD (heavy-duty) also for medium belt conveyors (up to EP 1250)
- Extremely difficult operating conditions (such as extremely wet conditions, clay or other smeary materials)

**REMAGRIP 100/CN**

**Specifications**

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.09 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	63 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Knob height
<b>539 4340</b>	<b>REMAGRIP 100/CN, Round knob shape</b>	12 x 1 470 x 2 560 mm	6 mm
<b>539 4333</b>	REMAGRIP 100 HD/CN, Oval knob shape	18 x 300 x 2 400 mm	7 mm

PULLEY LAGGING  
 REMAGRIP – High-quality pulley lagging

**REMAGRIP CK-X** – The premium quality for extreme conditions

The "knobly" surface of the ceramic tiles provides optimum grip on pulleys subject to high stress. Ceramic material is suitable for pulley lagging, thanks chiefly to its specific properties of extremely high wear resistance provided by aluminium oxide (Al<sub>2</sub>O<sub>3</sub>). It replaces traditional materials, because it provides higher profitability by considerably increasing the service life and the efficiency of pulley laggings.



REMAGRIP CK-X

**Properties**

- Vulcanised Al<sub>2</sub>O<sub>3</sub> ceramic tiles
- Single-row ceramic, with knobs
- Highly resistant to wear
- Elastic base made of REMALINE 70 or REMALINE 70 V protects the belt

- Simple and durable affixing with REMA TIP TOP bonding systems

**Area of application**

- Pulley lagging for pulleys operating under extreme conditions
- For wet, clay-containing, muddy and

- abrasive materials
- Also for belts under very high tension
- Especially suitable for drive pulleys subjected to extreme wear (CK-X)

**REMAGRIP CK-X**

Al<sub>2</sub>O<sub>3</sub> ceramic with knobbed surface.

**Specifications**

Polymer basis	NR/BR/SBR	DIN ISO 1629
Specific weight	1.12 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	62 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Width of ceramic area	For belt width
<b>539 7172</b>	<b>REMAGRIP CK-X 40</b>	15 x 500 x 1 250 mm	840 mm	800 mm
<b>539 6990</b>	REMAGRIP CK-X 40 FS	15 x 500 x 1 250 mm	920 mm	900 mm
<b>539 6980</b>	<b>REMAGRIP CK-X 45</b>	15 x 500 x 1 500 mm	1 100 mm	1 000 mm
<b>539 7165</b>	<b>REMAGRIP CK-X 50</b>	15 x 500 x 1 600 mm	1 200 mm	1 200 mm
<b>539 6960</b>	<b>REMAGRIP CK-X 50 FS</b>	15 x 500 x 1 600 mm	1 450 mm	1 400 mm
<b>539 7230</b>	<b>REMAGRIP CK-X 60</b>	15 x 500 x 1 900 mm	1 610 mm	1 500 mm
<b>539 7158</b>	<b>REMAGRIP CK-X 70</b>	15 x 500 x 2 100 mm	1 720 mm	1 600 mm
<b>539 7100</b>	<b>REMAGRIP CK-X 70 FS</b>	15 x 500 x 2 100 mm	2 060 mm	2 000 mm
<b>539 6950</b>	<b>REMAGRIP CK-X 75</b>	15 x 500 x 2 300 mm	1 880 mm	1 800 mm
<b>539 7141</b>	<b>REMAGRIP CK-X 90</b>	15 x 500 x 2 500 mm	2 060 mm	2 000 mm
<b>539 7270</b>	<b>REMAGRIP CK-X 90 FS</b>	15 x 500 x 2 500 mm	2 420 mm	2 400 mm
<b>539 6930</b>	REMAGRIP CK-X 110	15 x 500 x 2 880 mm	2 420 mm	2 400 mm
<b>539 7080</b>	REMAGRIP CK-X 125 FS	15 x 500 x 3 250 mm	3 100 mm	3 000 mm

PULLEY LAGGING  
 REMAGRIP – High-quality pulley lagging

**REMAGRIP CK-X V**

REMAGRIP CK-X V is self-extinguishing, antistatic and moderate oil resistant. It has been specially designed for ATEX operating conditions with high fire regulation or potentially explosive environments such as coal mines or power plants for example.

Required adhesive system for antistatic rubber coatings:  
 PRIMER PR 200 and CEMENT SC 4000 black/HARDENER ER-42 or  
 CEMENT SC 2000 black/HARDENER UT-R 20.

German underground approval: LOBA No. 18.43.21-89-33  
 Polish underground approval: Dopuszczenie WUG Katowice No. B/1724/IV/2016



REMAGRIP CK-X V

**Specifications**

Polymer basis	CR	DIN ISO 1629
Specific weight	1.39 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Electric resistance	Antistatic*	
Inflammability	Self-extinguishing**	
CN bonding layer	Conductive, black	
Colour	Black	

Ref. No.	Designation	Dimensions	Width of ceramic area	For belt width
539 7250	REMAGRIP CK-X 50 V	15 x 500 x 1 600 mm	1 200 mm	1 200 mm
539 7070	REMAGRIP CK-X 60 V	15 x 500 x 1 900 mm	1 610 mm	1 500 mm
539 7260	REMAGRIP CK-X 70 V	15 x 500 x 2 100 mm	1 720 mm	1 600 mm
539 7220	REMAGRIP CK-X 90 V	15 x 500 x 2 500 mm	2 060 mm	2 000 mm

\* Surface and volume resistivity < 1 x 10<sup>6</sup> Ohm, tested in accordance with DIN EN ISO 284, DIN IEC 93.

\*\*Fulfills DIN 22100-7 safety requirements (fire safety, hygiene, electrical).

PULLEY LAGGING  
 REMAGRIP – High-quality pulley lagging

**REMAGRIP CK-X HD (Heavy Duty)** – For continuous grip under heavy-duty conditions

CK-X pulley lagging with 20 mm total lagging thickness. The thicker rubber matrix of REMAGRIP CK-X HD allows more deflection of the tiles under the belt. This property provides additional reserves with extreme belt tensions, especially in combination with fabric belts with high elongation or low cover thickness on the running side.



REMAGRIP CK-X HD

Ref. No.	Designation	Dimensions	Width of ceramic area	For belt width
539 7167	REMAGRIP CK-X 50 HD	20 x 500 x 1 600 mm	1 200 mm	1 200 mm
539 7160	REMAGRIP CK-X 70 HD	20 x 500 x 2 100 mm	1 720 mm	1 600 mm
539 6955	REMAGRIP CK-X 75 HD	20 x 500 x 2 300 mm	1 880 mm	1 800 mm
539 7271	REMAGRIP CK-X 90 HD FS	20 x 500 x 2 500 mm	2 420 mm	2 400 mm
539 6931	REMAGRIP CK-X 110 HD	20 x 500 x 2 880 mm	2 420 mm	2 400 mm

**REMAGRIP CK-X HDX (Extra Heavy Duty)** – For continuous grip under extra heavy-duty conditions

CK-X pulley lagging with 25 mm total lagging thickness. REMAGRIP CK-X HDX is designed to maximum forces in all dimensions. Besides the even thicker rubber base (allows more deformation under the belt) REMAGRIP CK-X HDX features 11 mm thick tiles with a further improved embedding into the rubber matrix. The highly elastic rubber base is optimized for maximum dynamic performance over years. This pulley lagging allows optimum drive force transmission on highest tension belts even under extreme conditions while providing optimum protection for your conveyor belt.



REMAGRIP CK-X HDX

Ref. No.	Designation	Dimensions	Width of ceramic area	For belt width
539 9440	REMAGRIP CK-X 60 HDX	25 x 500 x 1 500 mm	1 610 mm	1 500 mm
539 9450	REMAGRIP CK-X 70 HDX	25 x 500 x 2 100 mm	1 720 mm	1 600 mm
539 9455	REMAGRIP CK-X 75 HDX	25 x 500 x 2 300 mm	1 880 mm	1 800 mm
539 9460	REMAGRIP CK-X 90 HDX	25 x 500 x 2 500 mm	2 060 mm	2 000 mm
539 9480	REMAGRIP CK-X 110 HDX	25 x 500 x 2 880 mm	2 420 mm	2 400 mm

PULLEY LAGGING  
 REMAGRIP – High-quality pulley lagging

REMAGRIP CP-X – The benchmark for wear resistance

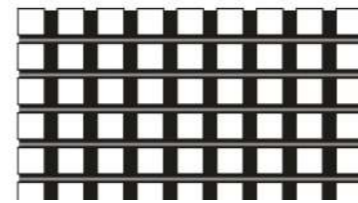
The plain surface of the ceramic tiles is highly efficient, particularly on non-drive pulleys (ranging from tail pulleys to snub pulleys) which are subject to high wear.

**Properties**

- Vulcanised alumina oxide (Al<sub>2</sub>O<sub>3</sub>) ceramic tiles
- Single-row ceramic, plain
- Highly resistant to wear
- Elastic base protects the belt
- Simple and durable affixing with REMA TIP TOP bonding systems

**Area of application**

- Pulley lagging for pulleys operating under extreme conditions
- For wet, clay-containing, muddy and abrasive materials
- Also for very high belt tensions
- For tail pulleys subjected to extreme wear
- For **non-powered** drums



REMAGRIP CP-X

REMAGRIP CP-X

Plain alumina oxide (Al<sub>2</sub>O<sub>3</sub>) ceramic.

**Specifications**

Polymer basis	NR/BR/SBR	DIN ISO 1629
Specific weight	1.12 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	62 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Width of ceramic area	For belt width
539 7240	REMAGRIP CP-X 60	15 x 500 x 1 900 mm	1 600 mm	1 500 mm
539 7190	REMAGRIP CP-X 70	15 x 500 x 2 100 mm	1 720 mm	1 600 mm
539 6940	REMAGRIP CP-X 75	15 x 500 x 2 300 mm	1 880 mm	1 800 mm
539 7180	REMAGRIP CP-X 90	15 x 500 x 2 500 mm	2 060 mm	2 000 mm

Note: Available in V Quality (FRAS).

PULLEY LAGGING  
 REMAGRIP – High-quality pulley lagging

Cover strip CK-X / CP-X

**Properties**

- CN bonding layer
- Highly elastic
- Wear-resistant

**Area of application**

- Superior sealing of butt joints for REMAGRIP CK-X and CP-X pulley lagging
- Especially for powdery materials or in critical climates
- Additional protection against infiltration of corrosion



522 0780

Cover strip CK-X / CP-X

Ref. No.	Designation	Dimensions	VPE
522 0780	Cover strip CK-X / CP-X	1.5 x 28 x 10 000 mm	5

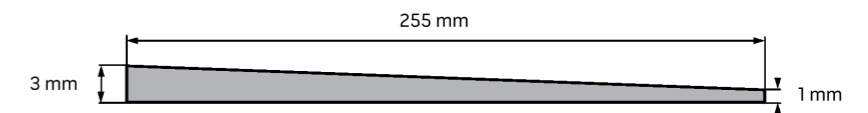
CN crowning wedge

**Properties**

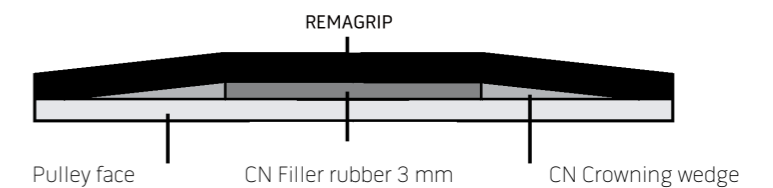
- Cost-effective crowning for pulleys
- Improves belt tracking, especially for uneven loading of the material

**Area of application**

- Conveyor belts with fabric plies



Pulley crowning with CN Crowning wedge and CN Filler rubber



528 5545

CN crowning wedge

Ref. No.	Designation	Dimensions
528 5545	CN crowning wedge	1/3 x 255 x 2 500 mm

PULLEY LAGGING  
UNIGRIP – Pulley lagging

UNIGRIP 60

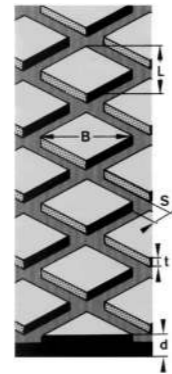
UNIGRIP 60 can be universally applied as a pulley lagging for simple applications.

Properties

- Reduces slippage between belt and pulley
- Increases and stabilizes the coefficient of friction
- Evacuation of moisture and dirt
- Protects the pulley against wear and corrosion
- Prevents material build-up
- Positive effect on tracking
- Wear-resistant material quality

Area of application

- Profile tread for drive pulleys
- For low to averagely loaded textile conveyor belts
- Small pulley diameters (up to 800 mm)



UNIGRIP 60  
B = 35 mm  
L = 18 mm  
S = 6 mm  
t = 3 mm  
d = 8/10 mm

UNIGRIP 60/KS

Specifications

Polymer basis	NR/BR/SBR	DIN ISO 1629
Specific weight	1.18 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	62 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Weight
550 3700	UNIGRIP 60/KS	8 x 2 000 x 10 000 mm	8.45 kg/m <sup>2</sup>
550 3710	UNIGRIP 60/KS	10 x 2 000 x 10 000 mm	10.92 kg/m <sup>2</sup>

Note: Available in FRAS (VH60).

PULLEY LAGGING  
UNIGRIP – Pulley lagging

UNIGRIP 250 SL

UNIGRIP SL 250 can be universally applied as a pulley lagging for simple applications. The striplagging allows simple handling even for application in the conveyor system. The 10 meter longrolls can be cut to size for any pulley width with minimum waste.



Properties

- Reduces slippage between belt and pulley
- Increases and stabilizes the coefficient of friction
- Evacuation of moisture and dirt
- Protects the pulley against wear and corrosion
- Prevents material buildup
- Positive influence on belt tracking
- Wear-resistant material quality

Area of application

- Profile tread for drive pulleys
- For low to averagely loaded textile conveyor belts
- Small pulley diameters (up to 800 mm)

UNIGRIP SL 250/KS

Specifications

Polymer basis	NR/BR/SBR	DIN ISO 1629
Specific weight	1.15 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	62 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Weight	Special properties*
	UNIGRIP SL 250	12 x 250 x 80 000mm		UNIGRIP VH/60 FRAS
	UNIGRIP SL 250 FRAS	12 x 250 x 10 000mm		
	UNIGRIP SL 250 FRAS	12 x 250 x 80 000mm		UNIGRIP POLYURETHANE
550 7861	UNIGRIP SL 250/KS	10 x 250 x 10 000 mm	22.7 kg/roll	
550 7872	UNIGRIP SL 250/KS	12 x 250 x 10 000 mm	28.4 kg/roll	
550 7885	UNIGRIP SL 250/KS	15 x 250 x 10 000 mm	34.1 kg/roll	

Note: Available in FRAS (VH60).



PULLEY LAGGING  
UNIGRIP – Pulley lagging

UNIGRIP CR-L 385 - Standard ceramic pulley lagging material

UNIGRIP CR-L 385 is the specially-designed pulley lagging material with ceramic inserts for high wear resistance. With good performance in wet, muddy, or dry conditions, UNIGRIP CR-L 385 provide a effective solution to solve your conveyor drive problems and enhance production efficiency of the whole system.



**Properties**

- Eliminates belt slippage
- 45% ceramic tiles coverage provide larger contact surface between belt and ceramic
- Unique design of ceramic tiles with the raised "knob" that increases friction between conveyor belts and pulleys
- Improve the system stability Increased belt and pulley service life
- Long-term system benefits
- Belt tension can be reduced, which means lower energy consumption, lower wear of whole system and lower cost per ton
- F.R.A.S (Fire Resistant Anti Static) products available on request

**Area of application**

- Especially suitable for wet and muddy conditions where belt slippage occurs

**Product range**

- Thickness: 12 mm
- Width: 385 mm
- Length: 10 000 mm

UNIGRIP CR-L 385

**Specifications**

Hardness	62 shoreA	
Abrasion	150 mm3	
Colour	Black	
Content of aluminium oxide	92 %	
Open porosity	0 %	acc. to DIN EN 60 672 0
E-Module	300 GPa	acc. to DIN EN 60 672 0
Density	3,65 g/cm3	acc. to DIN EN 60 672 0

**Special properties\***

UNIGRIP CR-L 385 VH/60  
FRAS

Note: Available in FRAS (VH60).

PULLEY LAGGING  
UNILAG – Pulley lagging

UNILAG

UNILAG can be universally applied as a pulley lagging for simple applications.



**Properties**

- Symmetrical profile - for use in horizontal and vertical directions
- Scrap is reduced to a minimum
- Cost-efficient material
- Evacuation of moisture and dirt
- Protects the pulley against wear and corrosion
- Prevents material build-up
- Positive influence on belt tracking
- Material is wear resistant

**Area of application**

- Grooved rubber lagging for drive pulleys
- For low to medium-loaded fabric belts

UNILAG  
D = 30 mm  
t = 5 (4) mm  
d = 8/10/12/15 mm

UNILAG/KS

**Specifications**

Polymer basis	NR/BR/SBR	DIN ISO 1629
Specific weight	1.18 g/cm³	DIN EN ISO 1183-1
Hardness	62 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Weight
550 3636	UNILAG/KS	8 x 2 000 x 10 000 mm	6.4 kg/m²
550 3643	<b>UNILAG/KS</b>	10 x 2 000 x 10 000 mm	10.0 kg/m²
550 3650	UNILAG/KS	12 x 2 000 x 10 000 mm	11.64 kg/m²
550 3667	UNILAG/KS	15 x 2 000 x 10 000 mm	15.3 kg/m²

## PULLEY LAGGING

### Pulley Coating

Pulley coating by means of hot coating or hot casting processes enable a tailor-made protection of the pulley from wear and corrosion perfectly fitted to the particular application and operating condition.



### Pulley coating with rubber by means of hot coating process

#### Properties

- Typical hardness: 45 - 75 Shore A
- Wear-resistant, ATEX-suitable
- Self-extinguishing or low flammability version available on request
- Pulley shape: cylindric or curved Profile shape: waffle, diamond and arrowhead pattern or round profile
- Ceramic coating: CK-X "hot", with 15, 20 or 25 mm thickness

#### Parameters for hot coating

Max diameter	2900 mm
Max total length	7200 mm
Max weight per piece	30 t

### Pulley coating with PU by means of hot casting process

#### Properties

- Typical hardness: 60 - 90 Shore A
- Highly wear-resistant, notch-resistant
- Superior mechanical load capability, cut resistant
- Resists hydrolysis
- Pulley shape: cylindric or curved
- Profile shape: waffle, diamond and arrowhead pattern or round profile

#### Parameters for hot coating

Max diameter	2900 mm
Max total length	4900 mm
Max weight per piece	10 t
Content of aluminium oxide	800 kg/piece

## QUESTIONNAIRE

### Pulley lagging

Customer:	Contact person:
Phone:	Fax:
Address:	Country (representation):
	E-Mail:

#### General information on conveyor system

Manufacturer/OEM:

Maintained by:

Type of plant:

Year built:

Location	<input type="checkbox"/> Outside	<input type="checkbox"/> Roofed over	<input type="checkbox"/> Closed room	<input type="checkbox"/> Underground
Temperature	°C	Min. °C	Max. °C	
Carrying capacity	∅		t/h	
Operating times	Day		h/d	Week d/w
Conveying direction	<input type="checkbox"/> horizontal	<input type="checkbox"/> rising	<input type="checkbox"/> falling	

Please attach pictures! If possible, attach a drawing of the conveying system!

#### Information on drive / If more than three drive pulleys, please record in notes

Speed	v=	m/s					
	Drive power [kW]	Pulley ∅ [mm]	Wrap angle [°]	T1 Start [kN]	T1 Running [kN]	T2 Start [kN]	T2 Running [kN]
Pulley 1:							
Pulley 2:							
Pulley 3:							
Drive on	<input type="checkbox"/> System head	<input type="checkbox"/> System foot	<input type="checkbox"/> Multiple				
Reversing operation	<input type="checkbox"/> Yes	<input type="checkbox"/> No					

#### Information on material being conveyed

Designation:	
Min. lump size	Max. mm
Moisture	%
Oil/grease or chemicals	<input type="checkbox"/> No <input type="checkbox"/> If yes, which kind:
Specific weight	g/cm <sup>3</sup>
Temperature	°C

Please attach pictures!

Place and date	Name	Signature
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For detailed information, please visit [rema-tiptop.com.au](http://rema-tiptop.com.au), contact your local REMA TIP TOP representative or email [info@rema-tiptop.com.au](mailto:info@rema-tiptop.com.au)

QUESTIONNAIRE  
Pulley lagging

NOTES

Customer:	Contact person:
Phone:	Fax:
Address:	Country (representation):
	E-Mail:

**Information about conveyor belt**

Belt type	<input type="checkbox"/> Fabric belt	<input type="checkbox"/> Steel cord belt	<input type="checkbox"/> PVC/PVG
Manufacturer:	Designation:		
Strength:	Pretension		kN
Troughing transition	m	Belt trough	°
Dimensions	Width mm	Thickness mm	Length mm
Cover plate thickness	Running side mm	Conveying side mm	
Condition	<input type="checkbox"/> New	<input type="checkbox"/> Used	<input type="checkbox"/> Damaged
Splice type	<input type="checkbox"/> Cold	<input type="checkbox"/> Hot	<input type="checkbox"/> Mechanical

**Information on pulley / If multiple drives, please record data in notes**

Type of pulley	<input type="checkbox"/> Drive	<input type="checkbox"/> Bend pulley	<input type="checkbox"/> Snub pulley
Pulley width	B1 mm	B2 mm	B3 mm
Crown bow	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes

**Old lagging**

Manufacturer:	Type:
Lagging thickness: mm	Service life:
Problem:	
Required quality	<input type="checkbox"/> V <input type="checkbox"/> S <input type="checkbox"/> HR <input type="checkbox"/> OIL
Please attach pictures!	

**New lagging**

Lagging thickness: mm	Type:
Date installed:	Planned service life:
Special quality	<input type="checkbox"/> V <input type="checkbox"/> HR <input type="checkbox"/> OIL
Please attach pictures!	

**Notes, special details!**

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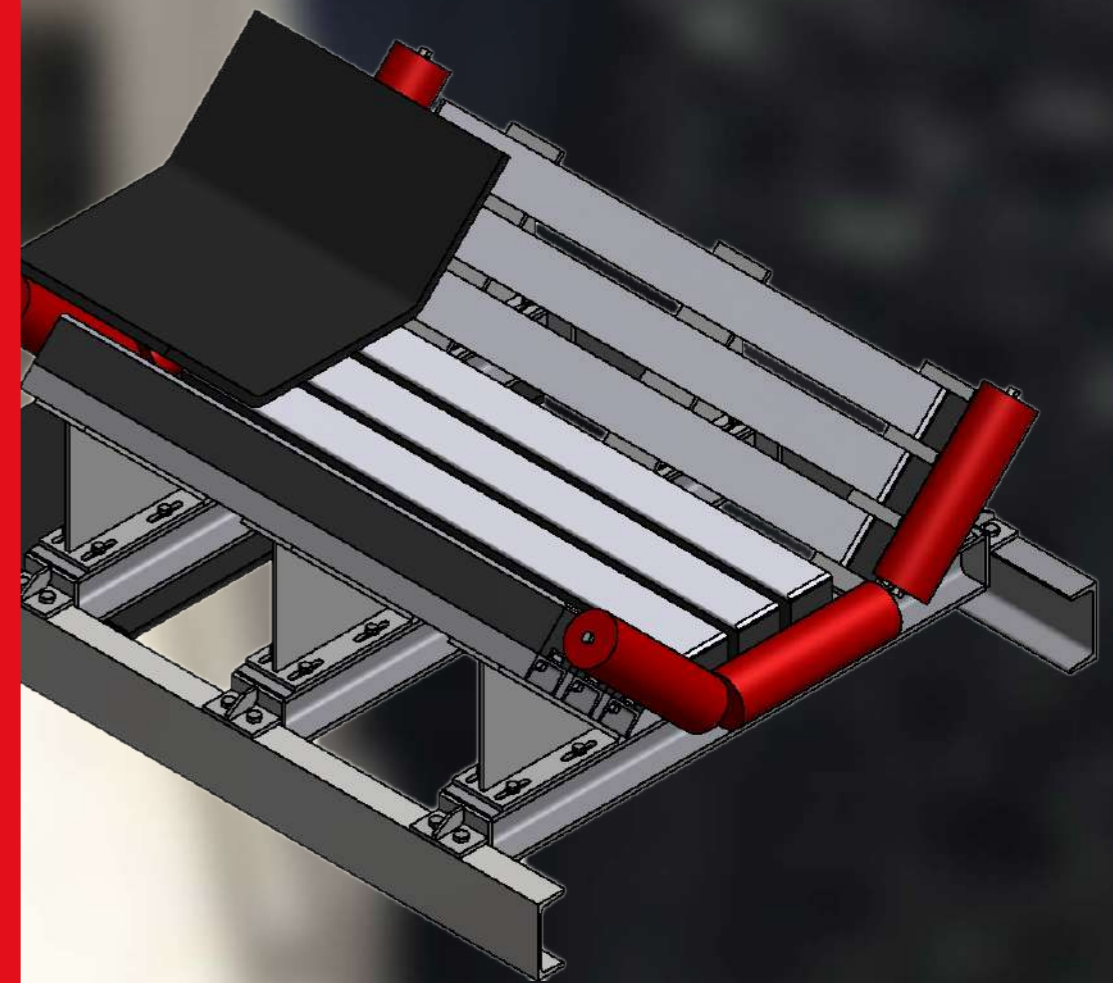
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Place and date	Name	Signature
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## 7. Feeding Systems

<b>REMASLIDE</b>	<b>120</b>
Low friction impact bars.	
<b>Impact Cradle</b>	<b>125</b>
<b>UNISLIDE</b>	<b>126</b>
Low friction impact bars.	
<b>Questionnaire</b>	<b>127</b>



### REMASLIDE impact bars

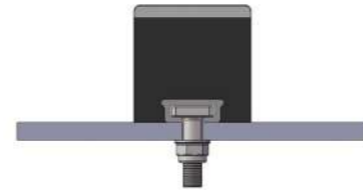
REMASLIDE impact bars absorb the drop energy of material impact through their proven REMA TIP TOP special rubber substrate. By fully supporting the conveyor belt across the feed points and transfer stations, damage of the belt will be avoided.

#### Properties

- Combination of UHMW-PE (ultra-high molecular weight polyethylene) and REMA TIP TOP special rubber
- Low friction between conveyor belt and REMASLIDE surface
- Beveled ends of the polyethylene layer to protect the conveyor belt
- Increases operating life of the belt/bar
- Reduction in energy requirement
- Easy and quick mounting by integrated aluminium profile with TT-Fastening Unit type I
- Distance between conveyor belt and impact bars must be at least 20 mm (when conveyor belt is not loaded)

#### Area of application

- Impact protection for conveyor belts at the material feed and transfer points
- Good sealing effect when used in conjunction with REMASKIRT



REMASLIDE Low Friction KG-04 with TT-Fastening Unit type I

### REMASLIDE Low Friction

- Innovative, low friction sliding surface made of highly wear-resistant PE (10 mm, grey)
- Increases the service life by more than 30 % compared to other standard impact bars, as the sliding surface is made of UHMW-PE
- Elastic rubber base (approx. 40 Shore A)
- Recommendation: 4 pieces TT-Fastening Units per impact bar

Ref. No.	Designation	Dimensions	TT-Fastening Unit
539 0510	REMASLIDE LF KG-02	52 x 100 x 1 220 mm	I
539 0520	REMASLIDE LF KG-03	80 x 100 x 1 220 mm	I
539 0530	REMASLIDE LF KG-04	100 x 100 x 1 220 mm	I

### REMASLIDE RED

- Low friction surface made of highly wear-resistant PE (12 mm, red)
- Increases the service life by more than 30 % compared to other standard impact bars, as the sliding surface is made of UHMW-PE
- Elastic rubber base (approx. 40 Shore A)
- Recommendation: 4 pieces TT-Fastening Units type IV per meter

Ref. No.	Designation	Dimensions	TT-Fastening Unit
539 0380	REMASLIDE LF KG-02	52 x 100 x 1500 mm	IV
539 0385	REMASLIDE LF KG-03	80 x 100 x 1500 mm	IV
539 0390	REMASLIDE LF KG-04	100 x 100 x 1500 mm	IV



REMASLIDE RED with TT-Fastening Unit type IV

### REMASLIDE V

- Self-extinguishing, antistatic and moderate oil resistant
- Can be used in underground areas
- Highly wear-resistant PUR coat (15 mm, black)
- Elastic rubber base (approx. 60 Shore A)
- Recommendation: 4 pieces TT-Fastening Units per impact bar type IV
- German underground approval for rubber compound): LOBA No. 18.43.21-91-24
- Polish underground approval (for rubber compound): Dopuszczenie WUG Katowice No. B/1724/IV/2016
- German approval for the PUR layer

Ref. No.	Designation	Dimensions	TT-Fastening Unit
539 4730	REMASLIDE V KG-02	52 x 100 x 1 220 mm	IV
539 4740	REMASLIDE V KG-03	80 x 100 x 1 220 mm	IV
539 4750	REMASLIDE V KG-04	100 x 100 x 1 220 mm	IV



REMASLIDE V with TT-Fastening Unit type IV

### REMASLIDE ATEX

- Antistatic
- Can be used in ATEX areas
- Low friction surface made of antistatic PE (10 mm, black)
- Elastic rubber base (approx. 50 Shore A)
- Recommendation: 4 pieces TT-Fastening Units per impact bar type IV

Ref. No.	Designation	Dimensions	TT-Fastening Unit
539 0420	REMASLIDE A KG-02	52 x 100 x 1 220 mm	IV
539 0440	REMASLIDE A KG-03	80 x 100 x 1 220 mm	IV
539 0400	REMASLIDE A KG-04	100 x 100 x 1 220 mm	IV
539 0445	REMASLIDE A KG-03-1500	80 x 100 x 1 500 mm	IV
539 0405	REMASLIDE A KG-04-1500	100 x 100 x 1 500 mm	IV



REMASLIDE ATEX with TT-Fastening Unit type IV

**REMASLIDE PUR impact bars**

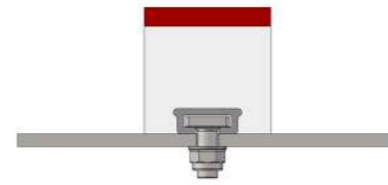
REMASLIDE PUR impact bars absorb the drop energy of the impacting material at very high drop heights. The elastic PUR base and the sliding surface made of polyurethane absorb the impact energy. Through full support of the whole surface of the conveyor belt at the feed points and transfer stations, damage of the belt is avoided. It also ensures better plant availability.

**Properties**

- Combination of PUR base and approx. 15 mm PUR sliding surface
- Homogeneous compound of surface and substructure allow highest load capacity
- At least 1.5 times longer durability compared to simple impact bars
- Low friction between conveyor belt and REMASLIDE PUR
- Beveled end faces of the sliding surface for gentle belt entry and exit
- Distance between conveyor belt and impact bars min. 20 mm (with unloaded conveyor)

**Area of application**

- Impact protection for conveyor belts at the material feed and transfer points
- Good sealing effect when used in conjunction with REMASKIRT
- Suitable for ATEX use



REMASLIDE PUR with TT-Fastening Unit type I



**REMASLIDE PUR impact bars**

- Innovative, low friction surface made of highly wear-resistant polyurethane (approx. 15mm, red)
- Elastic PUR base (approx. 55 Shore A, sliding surface approx. 90 Shore A)
- Recommendation: 4 or 5 pieces of TT-Fastening Units per bar type I

Ref. No.	Designation	Dimensions	TT-Fastening Unit
539 0551	REMASLIDE-BAR PUR KG-02 - 1220	52 x 100 x 1220 mm	I
539 0552	REMASLIDE-BAR PUR KG-03 - 1220	80 x 100 x 1220 mm	I
539 0553	REMASLIDE-BAR PUR KG-04 - 1220	100 x 100 x 1220 mm	I
539 0550	REMASLIDE-BAR PUR KG-02 - 1500	52 x 100 x 1500 mm	I
539 0555	REMASLIDE-BAR PUR KG-03 - 1500	80 x 100 x 1500 mm	I
539 0554	REMASLIDE-BAR PUR KG-04 - 1500	100 x 100 x 1500 mm	I

**REMASLIDE ALOX**

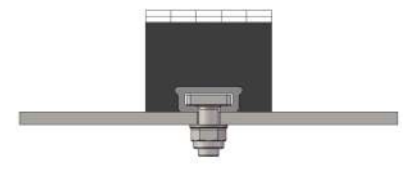
REMASLIDE ALOX impact bars absorb the drop energy of the material impact. A proven REMA TIP TOP special rubber substrate is combined with a hard and very smooth sliding surface made of ceramic. The wear-resistant ceramic ensures a very long service life. By fully supporting the conveyor belt across the feed points and transfer stations, damage of the belt is avoided.

**Properties**

- Combination of rubber base and 4 mm ceramic sliding surface for use with particularly hard and abrasive materials (sinter, basalt, ores, etc.)
- Outstanding hot vulcanization of the 20x20 mm ceramic tiles with the rubber base
- At least 3 times longer lifetime compared to known impact bars
- Low friction between conveyor belt and REMASLIDE ALOX sliding surface
- Beveled end faces for gentle belt entry and exit
- Easy and quick mounting by integrated aluminum profile with TT-Fastening Unit type I
- Distance between conveyor belt and impact bar must be at least 20 mm (when conveyor belt is not loaded)

**Area of application**

- Impact protection for conveyor belts at the material feed and transfer points
- For bulk material up to 50 mm and drop heights up to 3 m
- Good sealing effect when used in conjunction with REMASKIRT



REMASLIDE ALOX with TT-Fastening Unit type I



**REMASLIDE ALOX**

- Innovative, low friction and abrasionresitant surface made of highly wear-resistant ceramic (4 mm)
- Elastic rubber base (approx. 40 Shore A)
- Recommendation: 4 to 5 pieces TT Fastening Units per bar type I

Ref. No.	Designation	Dimensions	TT-Fastening Unit
539 0850	REMASLIDE ALOX KG-02-1220	52 x 100 x 1220	I
539 0855	REMASLIDE ALOX KG-03-1220	80 x 100 x 1220	I
539 0860	REMASLIDE ALOX KG-04-1220	100 x 100 x 1220	I
539 0870	REMASLIDE ALOX KG-02-1500	52 x 100 x 1500	I
539 0875	REMASLIDE ALOX KG-03-1500	80 x 100 x 1500	I
539 0880	REMASLIDE ALOX KG-04-1500	100x 100 x 1500	I

## TT-Fastening Units

### TT-Fastening Units I

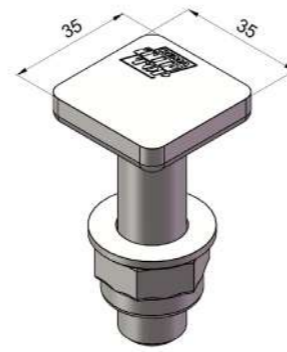
- Torque: 90 Nm recommended
- Consists of forged TT-Fasteners with washer and self-locking nut
- Recommendation: 4 pieces TT-Fastening Units per impact bar

Ref. No.	Designation	Dimensions
539 3620	TT-Fastening Unit I	M 12 x 60 mm
539 3610	TT-Fastening Unit I	M 12 x 40 mm
539 1006	TT-Fastening Unit I	M 16 x 40 mm
539 1013	TT-Fastening Unit I	M 16 x 60 mm
539 1020	TT-Fastening Unit I	M 16 x 80 mm

### TT-Fastening Units IV

- Torque: 60 Nm recommended
- Consists of forged TT-Fasteners with washer and self-locking nut
- Recommendation: 4 pieces TT-Fastening Units per impact bar

Ref. No.	Designation	Dimensions
539 3580	TT-Fastening Unit IV	M 12 x 40 mm
539 3590	TT-Fastening Unit IV	M 12 x 60 mm
539 3561	TT-Fastening Unit IV	M 16 x 40 mm
539 3468	TT-Fastening Unit IV	M 16 x 60 mm
539 3475	TT-Fastening Unit IV	M 16 x 80 mm



TT-Fastening Unit I



TT-Fastening Unit IV

## Impact cradle

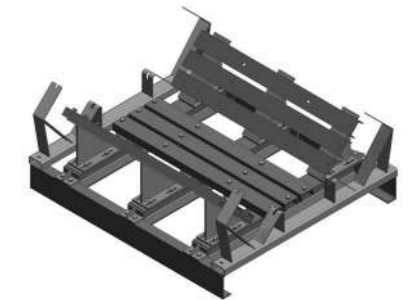
REMA TIP TOP impact cradles complete the portfolio for feeding systems and can be used in conjunction with the REMASLIDE or UNISLIDE impact bars.

### Properties

- Very robust and proven design
- Side panels can be adjusted for optimal adaptation to the conveyor belt trough
- Available for impact bars in lengths of 1,220 mm and 1,500 mm
- The standard version for the length 1,220 mm is fixed with 4 supports, the length 1,500 mm with 5 supports
- Ready-to-install delivery incl. optional impact bars

### Area of application

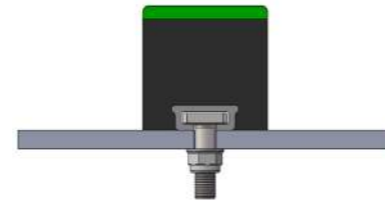
- Through full support of the whole surface of the conveyor belt in the impact cradle (cradle + impact bars) at the feed points and transfer stations, damage of the belt is avoided.



Impact cradle

**UNISLIDE impact bars**

UNISLIDE impact bars absorb the drop energy of material impact through their special rubber substrate. By fully supporting the conveyor belt across the feed points and transfer stations, damage of the belt will be avoided.



UNISLIDE with TT-Fastening Unit I

**Properties**

- Combination of polyethylene (PE) and special rubber
- Beveled ends of the polyethylene layer to protect the conveyor belt
- Easy and quick mounting by integrated steel profile with TT-Fastening Unit type IV
- Distance between conveyor belt and impact bars must be at least 20 mm (when conveyor belt is not loaded)

**Area of application**

- Impact protection for conveyor belts at the material feed and transfer points
- Good sealing effect when used in conjunction with UNISKIRT

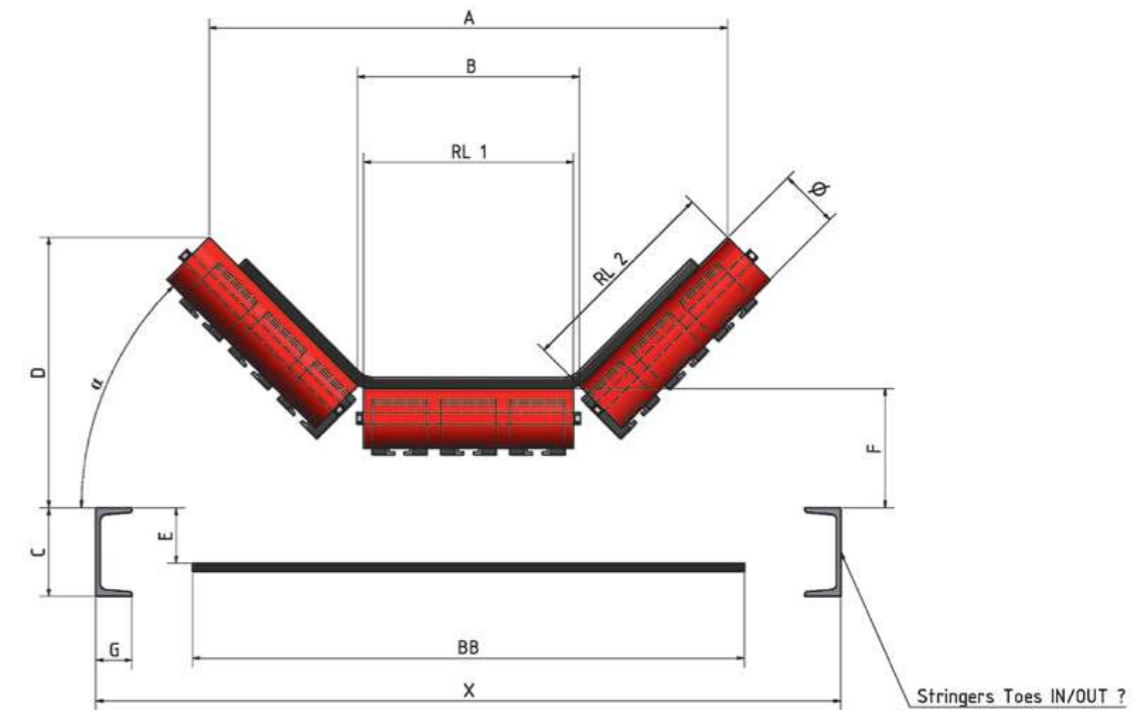
**UNISLIDE**

- Surface made of polyethylene (12.5 mm, green)
- Elastic rubber base (approx. 45 Shore A)

- Recommendation: 4 pieces TT-Fastening Units per impact bar

Ref. No.	Designation	Dimensions	TT-Fastening Unit
539 9966	UNISLIDE 02	50 x 100 x 1 220 mm	I
539 9965	UNISLIDE 03	75 x 100 x 1 220 mm	I
539 9964	UNISLIDE 04	100 x 100 x 1 220 mm	I

Customer:	Contact person:
Phone:	Fax:
Address:	Country (representation):
	E-Mail:



A	a
B	RL1
C	RL2
D	Ø
E	BB
F	X
G	

**Remarks:**

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Place and date Name Signature



## 8. Skirting

### REMASKIRT

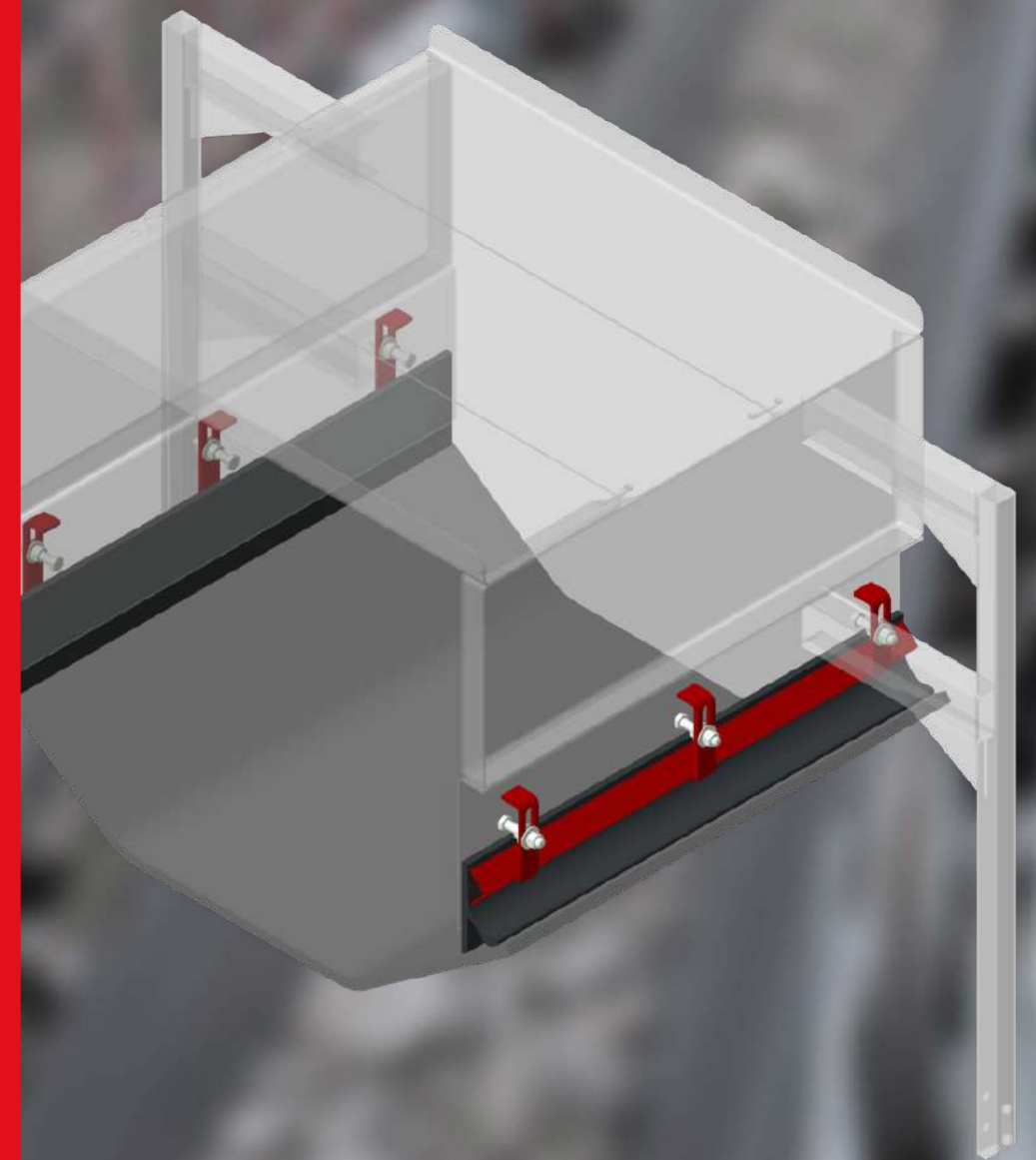
Skirting rubber.

130

### UNISKIRT

Skirting rubber.

134



SKIRTING  
REMASKIRT – Skirting rubber

REMASKIRT 50

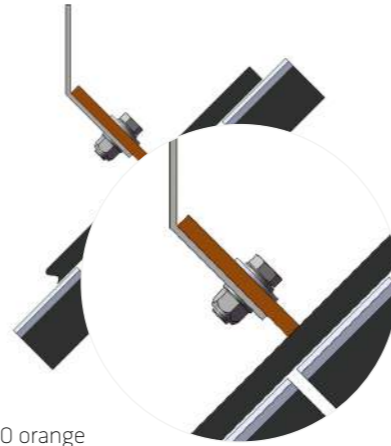
High-quality skirting rubber made of natural rubber with high tensile strength. Excellent sealing properties particularly in connection with REMASLIDE impact bars.

Properties

- Low friction
- Easy fitment
- Available in thicknesses from 5 to 30 mm and belt widths from 100 to 2 000 mm
- Special qualities available on request
- Designed for temperatures from -40°C to +80°C

Area of application

- Skirting rubber and scraper for wet, sticky material



REMASKIRT 50 orange

REMASKIRT 50 orange

Specifications

Polymer basis	NR	DIN ISO 1629
Specific weight	1.11 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	51 Shore A	DIN ISO 7619-1
Colour	Orange*	

Ref. No.	Designation	Dimensions
550 1841	REMASKIRT 50	5 x 2 000 x 10 000 mm
549 6437	REMASKIRT 50	6 x 2 000 x 10 000 mm
550 1921	REMASKIRT 50	7 x 150 x 10 000 mm
550 1937	REMASKIRT 50	7 x 2 000 x 10 000 mm
549 6476	REMASKIRT 50	8 x 120 x 10 000 mm
549 6499	REMASKIRT 50	8 x 2 000 x 10 000 mm
549 6517	REMASKIRT 50	10 x 100 x 10 000 mm
549 6524	REMASKIRT 50	10 x 120 x 10 000 mm
549 6531	REMASKIRT 50	10 x 150 x 10 000 mm
549 6546	REMASKIRT 50	10 x 200 x 10 000 mm
549 6554	REMASKIRT 50	10 x 2 000 x 10 000 mm
549 6620	REMASKIRT 50	12 x 200 x 10 000 mm
549 6626	REMASKIRT 50	12 x 2 000 x 10 000 mm
549 6641	REMASKIRT 50	15 x 150 x 10 000 mm
549 6658	REMASKIRT 50	15 x 200 x 10 000 mm
549 6671	REMASKIRT 50	15 x 2 000 x 10 000 mm
549 6696	REMASKIRT 50	20 x 150 x 10 000 mm
549 6729	REMASKIRT 50	20 x 2 000 x 10 000 mm
549 6736	REMASKIRT 50	25 x 2 000 x 10 000 mm
549 6750	REMASKIRT 50	30 x 2 000 x 10 000 mm

\*Please note that this is a product based on natural rubber and therefore deviations in color may occur.

SKIRTING  
REMASKIRT – Skirting rubber

REMASKIRT COMBI SEAL

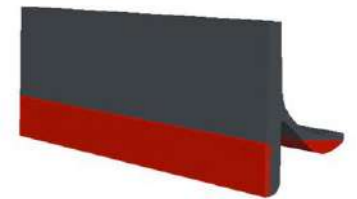
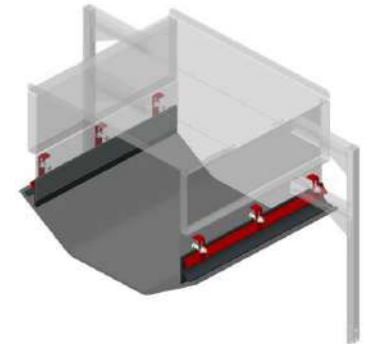
The REMASKIRT COMBI SEAL provides excellent sealing properties with its dual-seal rubber/polyurethane system and clamping mechanism. The REMASKIRT COMBI SEAL delivers excellent sealing properties particularly when used in connection with REMASLIDE impact bars. The Dual durometer rubber/polyurethane has exceptional tear resistance. The primary layer (65 Shore A) offers good low-abrasion characteristics while the secondary layer (50 Shore A) prevents dust and fines from escaping the system for optimum sealing.

Properties

- Optimum dual-sealing for high speed belts
- Dual-seal system in one-piece construction
- Easy, quick mounting and replacement
- Excellent low-abrasion characteristics
- Enhanced service life

Area of application

- Chute sealing system for conveyor system transfer point
- Suitable for fine-grained and dusty material
- Skirting rubber at Heavy-duty loading areas



REMASKIRT COMBI SEAL

Ref. No.	Designation	Dimensions
5495732	REMA Combi-Seal PU	12/4 x 150 x 15000mm
5495735	REMA Combi-Seal PU	15/4 x 150 x 15000mm
5495752	REMA Combi-Seal PU	15/4 x 200 x 15000mm
5495755	REMA Combi-Seal PU	15/4 x 250 x 15000mm
6495795	REMA S-CLAMP (Steel)	1000mm

SKIRTING  
 REMASKIRT – Polyurethane Skirt Soft

REMASKIRT - POLYURETHANE SKIRT SOFT

The REMASKIRT Polyurethane Skirt - Soft provides high wear and tear resistance while still providing excellent sealing properties. REMASKIRT Polyurethane Skirt - Soft can be retrofitted to most skirt clamping systems. REMASKIRT Polyurethane Skirt - Soft delivers excellent sealing properties particularly when used in connection with REMASLIDE impact bars.



**Properties**

- Excellent wear and tear resistance suitable for heavy wear conditions
- Belt friendly with 62 Shore A
- Excellent sealing performance with 45 Degree Bevel edge
- Less wastage with standard 15m/30m long
- Various width and thickness is available
- FRAS polyurethane soft skirt is available

**Area of application**

- Chute sealing system for conveyor system transfer point
- Suitable for fine-grained and dusty material
- Skirting rubber at Heavy-duty loading areas

REMASKIRT - POLYURETHANE SKIRT SOFT

**Specifications**

Colour	Orange	
Rubber	PUR	DIN ISO 1629
Hardness	62 Shore A	DIN ISO 7619-1
Density	1,22 g/cm3	DIN EN ISO 1183-1
Tensile Strength	35 N/mm2	DIN 35 504
Elongation at break	650%	DIN 35 504
Resilience	55%	DIN 53 512

SKIRTING  
 REMASKIRT – Polyurethane Skirt Soft

Ref. No.	Designation	Dimensions
574 2203	REMASKIRT Polyurethane Soft	10x100x15000mm
574 2278	REMASKIRT Polyurethane Soft	10x150x15000mm
574 2216	REMASKIRT Polyurethane Soft	10x200x15000mm
574 2228	REMASKIRT Polyurethane Soft	10x250x15000mm
574 2202	REMASKIRT Polyurethane Soft	12x100x15000mm
574 2238	REMASKIRT Polyurethane Soft	12x125x15000mm
574 2287	REMASKIRT Polyurethane Soft	12x150x15000mm
574 2277	REMASKIRT Polyurethane Soft	12x200x15000mm
574 2283	REMASKIRT Polyurethane Soft	12x250x15000mm
574 2233	REMASKIRT Polyurethane Soft	12x300x15000mm
574 2243	REMASKIRT Polyurethane Soft	16x150x30000mm
574 2234	REMASKIRT Polyurethane Soft	16x200x30000mm
574 2260	REMASKIRT Polyurethane Soft	16x250x30000mm
574 2237	REMASKIRT Polyurethane Soft	16x300x30000mm
574 2256	REMASKIRT Polyurethane Soft	16x350x30000mm
574 2296	REMASKIRT Polyurethane Soft	19x150x30000mm
574 2273	REMASKIRT Polyurethane Soft	19x200x30000mm
574 2219	REMASKIRT Polyurethane Soft	19x250x30000mm
574 2252	REMASKIRT Polyurethane Soft	19x300x30000mm
574 2258	REMASKIRT Polyurethane Soft	25x200x15000mm
574 2282	REMASKIRT Polyurethane Soft	25x250x15000mm

SKIRTING  
UNISKIRT – Skirting rubber

UNISKIRT 40

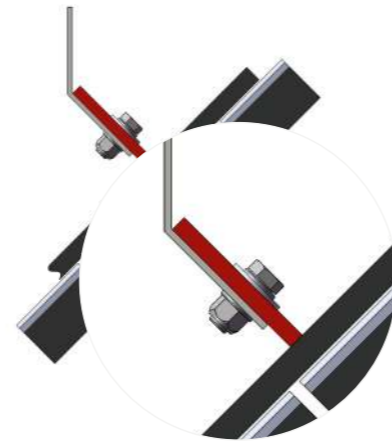
UNISKIRT 40 is a high quality soft rubber skirting with excellent tear and abrasion resistance. UNISKIRT 40 is designed to reduce product spillage and dust by providing a low friction seal between the skirt rubber and conveyor belt. Excellent sealing properties particularly in connection with UNISLIDE impact bars.

**Properties**

- Low friction
- Excellent sealing properties
- High Flexibility
- Easy fitment
- In width from 50 to 2000 mm
- In thicknesses from 6 to 30mm
- Designed for temperatures from -40°C to +80°C

**Area of application**

- Chute sealing system for conveyor system transfer point
- Suitable for fine-grained and dusty material
- Scraper rubber for moist sticky material
- Skirting rubber at Heavy-duty loading areas



UNISKIRT 40 red

UNISKIRT 40 red

**Specifications**

Polymer basis	NR/BR/SBR	DIN ISO 1629
Specific weight	1.13 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	45 Shore A	DIN ISO 7619-1
Colour	Red*	

Ref. No.	Designation	Dimensions
650 3055	UNISKIRT 40 RED/CUT	12 x 150 x 20 000 mm
650 3083	UNISKIRT 40 RED/CUT	12 x 200 x 20 000 mm
650 3075	UNISKIRT 40 RED/CUT	12 x 250 x 20 000 mm

\*Please note that this is a product based on natural rubber and therefore deviations in colour may occur.

SKIRTING  
UNISKIRT – Skirting rubber

UNISKIRT 60

UNISKIRT 60 Black is a high quality 60 duro rubber skirting with excellent impact and abrasion resistance. UNISKIRT 60 is designed to reduce product spillage and contain dust by providing a seal between the skirt system and conveyor belt. Excellent sealing properties particularly in connection with UNISLIDE impact bars.

**Properties**

- Low friction
- Excellent sealing properties
- Easy fitment
- In width from 50 to 2000 mm
- In thicknesses from 6 to 30mm
- In lengths up to 30m
- Designed for temperatures from -40°C to +80°C

**Area of application**

- Chute sealing system for conveyor system transfer point
- Suitable for fine-grained and dusty material
- Heavy-duty loading areas



UNISKIRT 60 black

**Specifications**

Polymer basis	NR/BR/SBR	DIN ISO 1629
Specific weight	1.18 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions
663 3754	UNISKIRT 60 CUT	10x150x15000mm
663 3755	UNISKIRT 60 CUT	10x200x15000mm
663 3756	UNISKIRT 60 CUT	10x250x15000mm
663 0375	UNISKIRT 60 CUT	12x150x20000mm
663 0382	UNISKIRT 60 CUT	12x200x20000mm
663 0307	UNISKIRT 60 CUT	12x250x20000mm
663 3768	UNISKIRT 60 CUT	12x300x15000mm
663 3773	UNISKIRT 60 CUT	16x150x30000mm
663 3774	UNISKIRT 60 CUT	16x200x30000mm
663 3776	UNISKIRT 60 CUT	16x250x30000mm
663 3777	UNISKIRT 60 CUT	16x300x30000mm
663 3785	UNISKIRT 60 CUT	19x150x30000mm
663 3786	UNISKIRT 60 CUT	19x200x30000mm
663 3787	UNISKIRT 60 CUT	19x250x30000mm
663 3788	UNISKIRT 60 CUT	19x300x30000mm

Note: Available in FRAS (VH60).

SKIRTING  
UNISKIRT – Skirting rubber

UNISKIRT VH60 FRAS

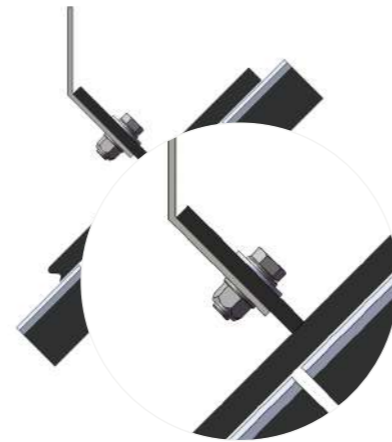
UNISKIRT VH60 FRAS is a high quality 60 duro rubber approved for use in underground coal mining applications or anywhere where Fire Resistant or Ant Static properties are required. UNISKIRT VH60 FRAS skirting provides excellent impact and abrasion resistance. UNISKIRT VH60 FRAS is designed to reduce product spillage and contain dust by providing a positive seal between the skirt system and conveyor belt. Excellent sealing properties particularly in connection with UNISLIDE impact bars.

**Properties**

- FRAS Approved
- Low friction
- Excellent sealing properties
- Easy fitment
- In width from 50 to 2000 mm
- In thicknesses from 6 to 30mm
- In lengths up to 30m
- Designed for temperatures from -40°C to +80°C

**Area of application**

- Chute sealing system for conveyor system transfer point
- Suitable for fine-grained and dusty material
- Heavy-duty loading areas



UNISKIRT 60 black

UNISKIRT 60 FRAS

**Specifications**

Polymer basis	NR/BR/SBR	DIN ISO 1629
Specific weight	1.13 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	45 Shore A	DIN ISO 7619-1
Colour	Black	

SKIRTING  
UNISKIRT – Skirting rubber

Ref. No.	Designation	Dimensions
663 3913	UNISKIRT VH60 FRAS	12x150x30000mm
663 3950	UNISKIRT VH60 FRAS	12x200x30000mm
663 3925	UNISKIRT VH60 FRAS	12x250x30000mm
663 3933	UNISKIRT VH60 FRAS	12x300x30000mm
663 3931	UNISKIRT VH60 FRAS	16x150x30000mm
663 3942	UNISKIRT VH60 FRAS	16x200x30000mm
663 3955	UNISKIRT VH60 FRAS	16x250x30000mm
663 3938	UNISKIRT VH60 FRAS	16x300x30000mm
663 3962	UNISKIRT VH60 FRAS	19x150x30000mm
663 3977	UNISKIRT VH60 FRAS	19x200x30000mm
663 3983	UNISKIRT VH60 FRAS	19x250x30000mm
663 3994	UNISKIRT VH60 FRAS	19x300x30000mm
663 3972	UNISKIRT VH60 FRAS	25x150x30000mm
663 3973	UNISKIRT VH60 FRAS	25x200x30000mm
663 3974	UNISKIRT VH60 FRAS	25x250x30000mm
663 3975	UNISKIRT VH60 FRAS	25x300x30000mm

## 9. Idlers, Rollers, Frames & Pulleys

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# Idlers, Rollers & Frames

REMA TIP TOP offer a range of engineered products to meet and exceed our customers' expectations, designed to increase service life of plant equipment and improve overall efficiency. We offer Rollers in steel, HDPE and Composite materials.

## Our capability

### Premium Steel Rollers

- Trough & Suspended Trough
- Return Vee, Flat, Rubber & Poly Disc Return
- Impact – Flat & Standard
- Weigh Standard

### Composite Rollers (HDPE & Nylon)

- Trough
- Return Vee & Flat
- Weigh Standard

- Roller Diameters from 102 through 194mm.
- Rollers manufactured Designed & manufactured in accordance with International standards ISO, UNI, DIN, AFNOR, FEM, BS, JIS, SANS and CEMA.

### Frames

- Trough, (Inline & Offset)
- Transition
- Vee & Flat Return
- Drop Down
- Retractable
- Low Profile/Rigid Suspended
- Inverted Vee
- Galvanised, Zinc Plated, Painted and Stainless Steel

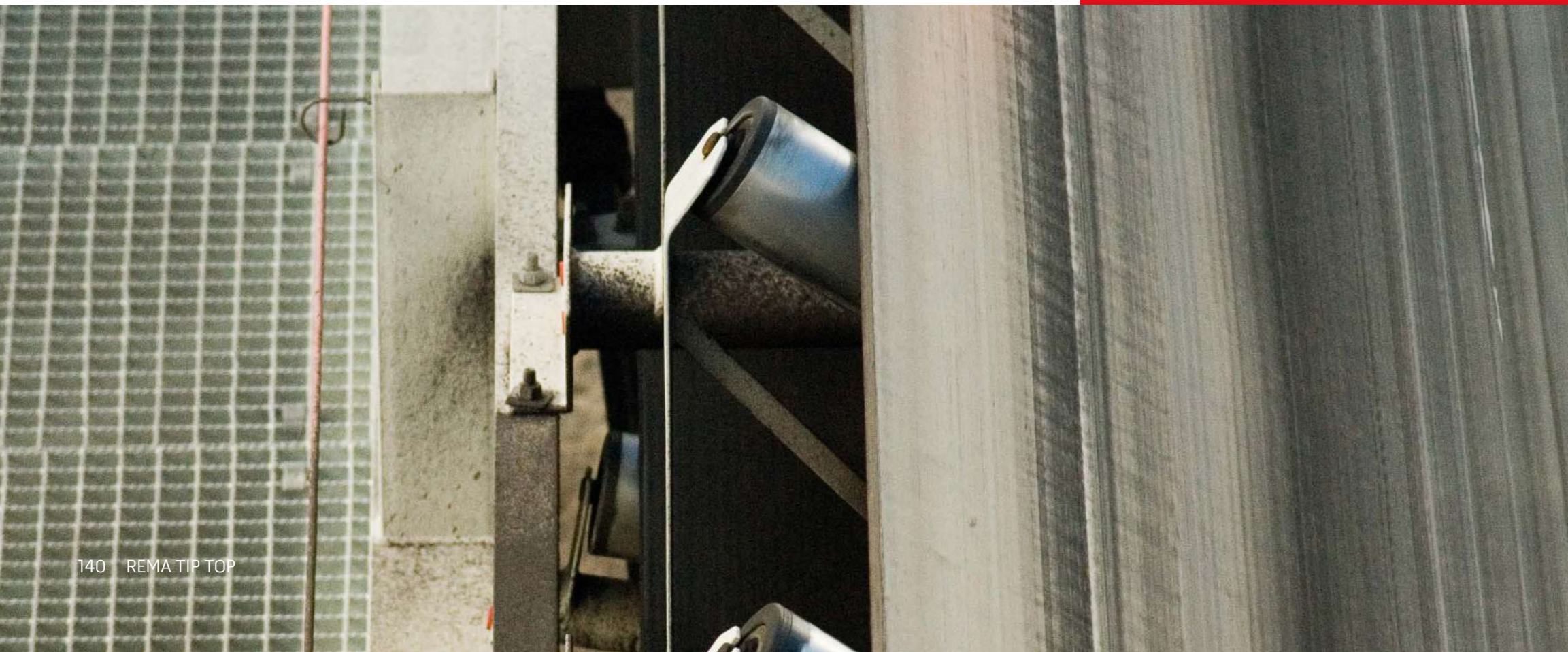
## Our commitment

As a global leader in the design and manufacture of Idlers, Rollers & Frames, REMA TIP TOP is committed to:

- Customer-oriented solutions.
- 100% customer satisfaction.
- Superior performance.
- Ongoing product support.
- Continuous Improvement.

## Features

- ERW tubing in accordance with SANS 657 Part 3 (Conveyor Tube).
- High Performance Bearing Housing to reduce shaft deflection.
- Tube & Bearing Housing assembly designed to reduce any imbalance and ensure alignment & concentricity prolonging service life.
- Precision ground spindle.
- Double Shielded C3 Deep Groove Ball Bearing, sealed for life.
- Engineered self-cleaning sealing solution designed to prevent ingress of dirt & moisture.
- Triple Lip Labyrinth internal seal, grease filled.
- Corrosion proof thermoplastic Stone Guard.
- TIR, Breakaway, Axial Float and Water Ingress testing prior to dispatch.
- Composite Rollers with best strength to weight ratio offering increased safety during installation.
- Low Coefficient of friction Nylon rollers to reduce carryback of ore, keeping the belt cleaner.



# Pulleys

REMA TIP TOP conveyor pulleys are manufactured and refurbished to Australian Standards using high quality materials and components to provide lasting service and reliability.

## Our capability

REMA TIP TOP engineers, manufactures and refurbishes a range of conveyor pulleys for light through to heavy duty applications. Our capability includes:

- Diameters up to 3200 mm.
- Belt widths up to 3500 mm.
- Supply of high quality bearing kits for all pulleys (i.e. FAG, SKF, Schaeffler, NSK).
- OEM for Rubber, Ceramic and Polyurethane lagging REMAGRIP™ and UNIGRIP™.

- FRAS accredited lagging option available on request.
- Specialised lagging products for acid resistance, oil resistance, fire resistance, static conductive properties and more.
- Status reports, refurbishment reports and recommendations on existing pulleys.
- All pulleys are manufactured and compliant to all Australian Standards and customer requirements.
- QA reporting and Manufacturers Data Report (MDR) documentation.
- Site pulley audits upon request, conducted by experienced engineers.

## Our commitment

As a premium engineering, manufacturer and refurbisher of conveyor pulleys, REMA TIP TOP is committed to:

- Customer-oriented solutions.
- 100% customer satisfaction.
- Superior performance.
- Ongoing product support.
- Continuous Improvement.

## Pulley assembly features

Our pulley assemblies feature:

- Proven processes & designs.
- Accredited third-party NDT testing.
- Interior welds and thermal stress relieving on all pulleys as per Australian Standards.
- State-of-the-art submerged arc welding for both linear and continuous circular welds.
- Smooth polished radii on shafts and end-plates to avoid stress risers.

## Pulley service & refurbishment

Whilst we pride ourselves in our ability to deliver quality manufactured pulley assemblies, we also offer service and refurbishment services for existing pulley assemblies.

Whether on-site (in situ) or in our workshops, our skilled teams provide quality service, maintenance and refurbishment services, utilising our top quality REMAGRIP™ and UNIGRIP™ pulley lagging products.

## Trusted and guaranteed quality

Our engineering and manufacturing expertise has delivered trusted and world class conveyor solutions for some of Australia's largest mining companies. Our solutions are designed to withstand the harshest conditions and provide optimum performance.





QUESTIONNAIRE  
REMAROLL – Rollers

Customer:	Contact person:
Phone:	Fax:
Address:	Country (representation):
	E-Mail:

ID	Description	Value
DR	Roll diameter	mm
AL	Shaft length	mm
RL	Roll length	mm

Material of axis

Machining steel	<input type="checkbox"/>
Stainless steel 1.4301 (V2A)	<input type="checkbox"/>
Stainless steel 1.4401 (V4A)	<input type="checkbox"/>
Stainless steel 1.4507	<input type="checkbox"/>

Conditions of operation

Carrying capacity Q	m <sup>3</sup> /h
Belt width BB	mm
Belt type / brand:	
Belt speed	
Up to 2.5 m/s	
Up to 3.5 m/s	
Up to 5.5 m/s	
ATEX 21-environment	<input type="checkbox"/>
Seawater resistant	<input type="checkbox"/>

Additional information:

.....

.....

.....

.....

QUESTIONNAIRE  
REMAROLL – Rollers

Customer:	Contact person:
Phone:	Fax:
Address:	Country (representation):
	E-Mail:

ID	Value	ID	Value
SW	.....mm	D	.....mm
SWL	.....mm		

Axis with across flats

ID	Value	ID	Value
D1	.....mm	L2	.....mm
D2	.....mm	a	.....mm
L1	.....mm		

Axis with tapping

ID	Value	ID	Value
D1	.....mm	L1	.....mm
D2	.....mm	L2	.....mm

Axis with shaft

ID	Value	ID	Value
DL1	.....mm	D1	.....mm
DL2	.....mm	Thread M	.....mm

Axis with external thread

ID	Value	ID	Value
DL1	.....mm	D1	.....mm
DL2	.....mm	Thread M	.....mm

Axis with internal thread

ID	Value	ID	Value
D	.....mm		
L	.....mm		

Single axis

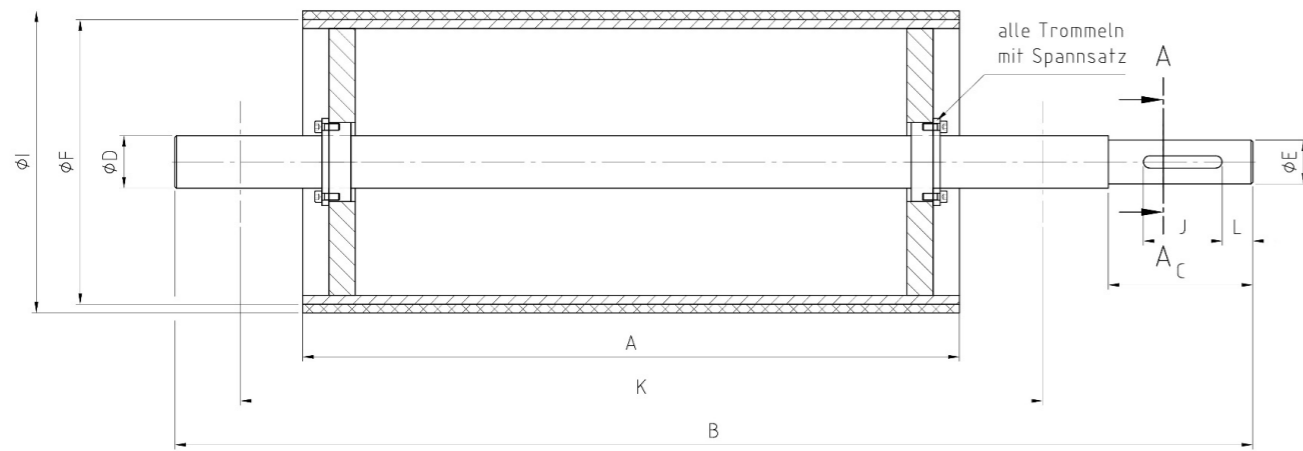
Place and date	Name	Signature
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QUESTIONNAIRE

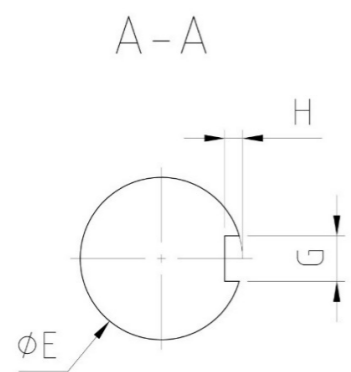
Pulleys

NOTES

Customer:	Contact person:
Phone:	Fax:
Address:	Country (representation):
	E-Mail:



A	mm	G	mm
B	mm	H	mm
C	mm	$\phi$	mm
$\phi D$	mm	J	mm
$\phi E$	mm	K	mm
$\phi F$	mm	L	mm



**Pulley Lagging**      yes       no

**Type**      REMAGRIP       UNIGRIP   
                  REMALINE       REMAGRIP CK-X

**Adjusting spring**      yes       no

Bearing Code: \_\_\_\_\_ Other remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Place and date      Name      Signature

# 10. Belt Cleaning Systems

## Primary Cleaning Systems 150

REMACLEAN AU Series  
H Series & H Series Polyurethane  
Belt Cleaners.

## Secondary & Tertiary Cleaning Systems 154

REMACLEAN AU Series  
P Series, R Series & U Series Belt  
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## Return Cleaning Systems 160

REMACLEAN AU Series  
V Series & Diagonal Plough Belt  
Cleaners.

## Water Management Systems 166

REMACLEAN AU Series  
Water Management Systems.

## Scraper Rubber 168

REMACLEAN  
Scraper Rubber.

## Belt Scrapers 174

REMACLEAN  
Belt Scrapers.

## Tension Units 182

REMACLEAN  
Tension Units.

## Cleaning Systems For Use On Pulley 185

REMACLEAN  
F Series.

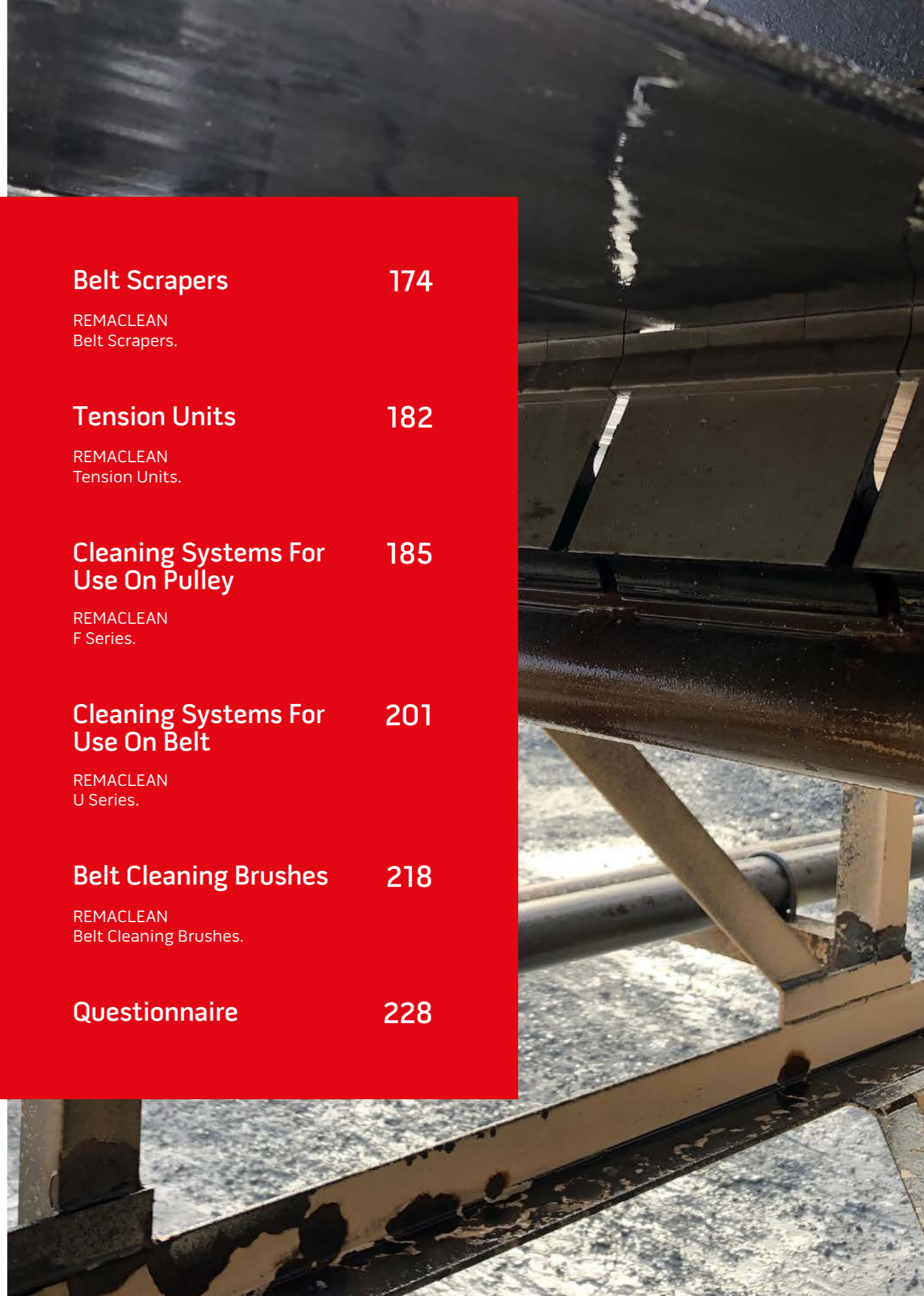
## Cleaning Systems For Use On Belt 201

REMACLEAN  
U Series.

## Belt Cleaning Brushes 218

REMACLEAN  
Belt Cleaning Brushes.

## Questionnaire 228



## BELT CLEANING SYSTEMS REMACLEAN AU - H SERIES

### REMACLEAN AU - H SERIES PRIMARY

REMA TIP TOP offer a full range of H Series primary and H Series retractable belt cleaners universally used as a primary cleaner across all light to heavy duty material processing applications. The H Series belt cleaner is a proven and reliable primary belt cleaner. Our market leading H Series retractable belt cleaning systems are ergonomically designed to reduce manual handling and belt cleaner servicing. This leads to improved safety, increased conveyor availability and reduced cleanup costs.

#### Area of application

- Universally applicable as a pre cleaner or main cleaner for many types of materials such as Sand, Gravel, Coal, Ignites, Ores, Sinter, Cement, and in the chemical industry.
- The Retractable Pole option provides increased safety and reduced maintenance benefits and is especially suitable where space is limited.

#### Standard

##### Properties

- 304 Stainless Steel as standard
- High cleaning efficiency through ideal adaptation of the Tungsten blades to the belt surface
- Long service life through the use of highly wear-resistant Tungsten Tips and cast stainless steel components
- Easy installation and maintenance
- Interchangeable with most standard H Series belt cleaner assemblies.
- Australian Manufactured from local and imported components.
- Custom made option to suit non standard installations and customer specific requirements

#### Retractable

##### Properties

- In addition to the standard H Series:
- Safest Belt Cleaner to maintain on the market
  - Faster and easier maintenance
  - Custom made option to suit non standard installations and customer specific requirements



H Series Primary Belt Cleaner



H Series Cleaner Bolt Tension Kit



H Series Compression Spring Tension Kit



Primary Cleaner Spring Tension Unit

## BELT CLEANING SYSTEMS REMACLEAN AU - H SERIES



#### Cushion options

- Standard H Series Cushion (70 duro)\*
- \*RTT standard Cushion is equivalent to Heavy Duty High speed cushion.



#### Arm options

- Standard H Series Suspension Arm
- Poly mono arm (available in SS, S, M, L & LL sizes)
- \*RTT Standard suspension arm is equivalent to Heavy Duty



#### Tip options

- Standard S/S tungsten tip
- Heavy-duty S/S tungsten tip
- Double sided S/S T tungsten tip
- Heavy Duty Extra Life 20mm tungsten tip
- Heavy Duty Extra Life 25mm tungsten tip



#### Pole options

- Standard H Series Pole
- Reinforced H Series Pole
- Extra Heavy Duty H Series Pole
- PERFORMANCE Extra Heavy Duty H Series Pole



#### Mounting/Tension options

- Standard Screw mounting
- Spring tension mounting
- Compression spring mounting
- Pneumatic tension mounting
- Hydraulic tension mounting



#### Retractable pole options

- Standard rail
- Split rail
- Segmented rails

### H Series Tips

Ref. No.	Designation
<b>5873243</b>	<b>H-Series Protector T Tungsten Tip</b>
<b>5873241</b>	<b>H-Series Tungsten Tip 10mm</b>
<b>5305611</b>	<b>H-Series Tungsten Tip HD 15mm</b>
<b>5957122</b>	<b>H-Series Tungsten Tip HD extra Life 20mm</b>
<b>5957123</b>	<b>H-Series Tungsten Tip HD extra Life 25mm</b>

### H Series Cushions

Ref. No.	Designation
<b>587 3240</b>	<b>H-Series cushion</b>

### H Series Arms

Ref. No.	Designation	Suits pulley diameter
<b>5873254</b>	<b>H-Series Suspension Arm SS</b>	250-499 mm
<b>5873255</b>	<b>H-Series Suspension Arm S</b>	500-799 mm
<b>5873256</b>	<b>H-Series Suspension Arm M</b>	900-999 mm
<b>5873257</b>	<b>H-Series Suspension Arm L</b>	1000-1199 mm
<b>5873258</b>	<b>H-Series Suspension Arm LL</b>	1200-1700 mm

## BELT CLEANING SYSTEMS

### REMACLEAN AU - H SERIES - Polyurethane Mono Arm Cleaner

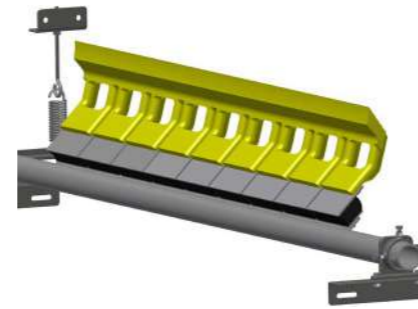
#### REMACLEAN AU - H SERIES - Polyurethane Mono Arm Cleaner

REMA TIP TOP offer a full range of H Series primary and H Series retractable belt cleaners universally used as a primary cleaner across all light to heavy duty material processing applications. The H Series belt cleaner is a proven and reliable primary belt cleaner. Our market leading H Series retractable belt cleaning systems are ergonomically designed to reduce manual handling and belt cleaner servicing. This leads to improved safety, increased conveyor availability and reduced cleanup costs.

#### Area of application

- Universally applicable as a pre cleaner or main cleaner for many types of materials such as Sand, Gravel, Coal, Ignites, Ores, Sinter, Cement, and in the chemical industry.

- The Retractable Pole option provides increased safety and reduced maintenance benefits and is especially suitable where space is limited.



REMACLEAN AU - H SERIES - Polyurethane Mono Arm Cleaner

#### Standard

##### Properties

- 304 Stainless Steel as standard
- High cleaning efficiency through ideal adaptation of the Tungsten blades to the belt surface
- Long service life through the use of highly wear-resistant Tungsten Tips and cast stainless steel components
- Easy installation and maintenance
- Interchangeable with most standard H Series belt cleaner assemblies.
- Australian Manufactured from local and imported components.
- Custom made option to suit non standard installations and customer specific requirements

#### Retractable

##### Properties

- In addition to the standard H Series:
- Safest Belt Cleaner to maintain on the market
  - Faster and easier maintenance
  - Custom made option to suit non standard installations and customer specific requirements

## BELT CLEANING SYSTEMS

### REMACLEAN AU - H SERIES - Polyurethane Mono Arm Cleaner



#### Cushion options

- Standard H Series Cushion (70 duro)\*
- \*RTT standard Cushion is equivalent to Heavy Duty High speed cushion.



#### Arm options

- Standard H Series Suspension Arm
- Poly mono arm (available in SS, S, M, L & LL sizes)
- \*RTT Standard suspension arm is equivalent to Heavy Duty



#### Pole options

- Standard H Series Pole
- Reinforced H Series Pole
- Extra Heavy Duty H Series Pole
- PERFORMANCE Extra Heavy Duty H Series Pole



#### Mounting/Tension options

- Standard Screw mounting
- Spring tension mounting
- Compression spring mounting
- Pneumatic tension mounting
- Hydraulic tension mounting



#### Retractable pole options

- Standard rail
- Split rail
- Segmented rails

#### H Series Polyurethane Mono Arm Primary Spares

Ref. No.	Designation	Suits pulley diameter
<b>587 3246</b>	<b>Mono Arm SS</b>	250-499 mm
<b>587 3247</b>	<b>Mono Arm S</b>	500-799 mm
<b>587 3248</b>	<b>Mono Arm M</b>	900-999 mm
<b>587 3249</b>	<b>Mono Arm L</b>	1200-1700 mm

## BELT CLEANING SYSTEMS REMACLEAN AU - P SERIES

### REMACLEAN AU - P SERIES

REMA TIP TOP offer a full range of P Series Secondary and P Series retractable belt cleaners universally used as a secondary cleaner across all light to heavy duty material processing applications. The P Series belt cleaner is a proven and reliable secondary belt cleaner. Our market leading P Series retractable belt cleaning systems are ergonomically designed to reduce manual handling and belt cleaner servicing. This leads to improved safety, increased conveyor availability and reduced cleanup costs. Our retractable cleaning systems are made with safety, functionality and quality in mind giving our customers value for money whilst tailoring solutions that are cost effective and safer for their workforce.

#### Area of application

- Universally applicable as secondary cleaner or tertiary cleaner for many types of materials such as Sand, Gravel, Coal, Ignites, Ores, Sinter, Cement, and in the chemical industry.
- The Retractable Pole option provides increased safety and reduced maintenance benefits and is especially suitable where space is limited.

#### Standard

##### Properties

- 304 Stainless Steel as standard
- High cleaning efficiency through ideal adaptation of the Tungsten blades to the belt surface
- Long service life through the use of highly wear-resistant Tungsten Tips and cast stainless steel components
- Easy installation and maintenance
- Interchangeable with most standard P Series belt cleaner assemblies.
- Australian Manufactured from local and imported components.
- Custom made option to suit non standard installations and customer specific requirement
- Built in spray bar options available

#### Retractable

##### Properties

- In addition to the standard P Series:
- Safest Belt Cleaner to maintain on the market
  - Faster and easier maintenance
  - Custom made option to suit non standard installations and customer specific requirements
  - No requirement to remove the cleaner pole completely
  - Split rail options allow for easy removal from limited space areas
  - Eliminates the risk of dropping scraper pole during removal or installation



REMACLEAN AU Standard  
P Series Belt Cleaner

## BELT CLEANING SYSTEMS REMACLEAN AU - P SERIES



#### Pole options

- Standard P Series Pole
- Standard P Series with water spray
- Reinforced P Series Pole
- Extra Heavy Duty P Series Pole



#### Mounting/Tension options

- Standard P Series mounting
- Spring tension



#### Rail options

- Standard rail
- Split rail
- Segmented rails



#### Cushion options

- Standard P Series Cushion (55 duro)
- P Series Cushion Heavy Duty High Speed 70 Duro



#### Tip options

- Standard S/S tungsten tip 10mm
- Heavy-duty S/S tungsten tip 15mm
- Heavy Duty Extra Life 20mm tungsten tip
- Heavy Duty Extra Life 25mm tungsten tip

### REMACLEAN AU - P SERIES - Primary Spares

Ref. No.	Designation
587 3418	P Series Tungsten Tip Standard 10mm
587 3419	P Series Tungsten Tip Heavy Duty 15mm
595 7124	P Series Tungsten Tip Extra Heavy Duty 20mm
595 7125	P Series Tungsten Tip Extra Heavy Duty 25mm
587 3416	P Series Cushion Standard 55 Duro
587 3417	P Series Cushion Heavy Duty High Speed 70 Duro
587 3631	Secondary Bolt Tension Kit 60 Diameter Poles
587 3632	Secondary Bolt Tension Kit 73 Diameter Poles
587 4742	Secondary Spring Tension Kit 60 Diameter Poles
587 4739	Secondary Spring Tension Kit 73 Diameter Poles

Complete Belt Cleaner and Custom Builds available. part numbers and pricing quoted upon request.

## BELT CLEANING SYSTEMS REMACLEAN AU - R SERIES

### REMACLEAN AU - R SERIES

REMA TIP TOP offer a full range of R Series Secondary and R Series retractable belt cleaners universally used as a secondary cleaner across all light to heavy duty material processing applications. The R Series belt cleaner is a proven and reliable secondary or tertiary belt cleaner. Our market leading R Series retractable belt cleaning systems are ergonomically designed to reduce manual handling and belt cleaner servicing. This leads to improved safety, increased conveyor availability and reduced cleanup costs. Our retractable cleaning systems are made with safety, functionality and quality in mind giving our customers value for money whilst tailoring solutions that are cost effective and safer for their workforce.



REMACLEAN AU R Series Belt Cleaner

#### Area of application

- Universally applicable as secondary cleaner or tertiary cleaner for many types of materials such as Sand, Gravel, Coal, Ignites, Ores, Sinter, Cement, and in the chemical industry.
- The Retractable Pole option provides increased safety and reduced maintenance benefits and is especially suitable where space is limited.

#### Standard

##### Properties

- 304 Stainless Steel as standard
- High cleaning efficiency through ideal adaptation of the Tungsten blades to the belt surface
- Long service life through the use of highly wear-resistant Tungsten Tips and cast stainless steel components
- Easy installation and maintenance
- Interchangeable with most standard R Series belt cleaner assemblies
- Australian Manufactured from local and imported components
- Custom made option to suit non standard installations and customer specific requirement
- Built in spray bar options available

#### Retractable

##### Properties

- In addition to the standard R Series:
- Safest Belt Cleaner to maintain on the market
  - Faster and easier maintenance
  - Custom made option to suit non standard installations and customer specific requirements
  - No requirement to remove the cleaner pole completely
  - Split rail options allow for easy removal from limited space areas
  - Eliminates the risk of dropping scraper pole during removal or installation

## BELT CLEANING SYSTEMS REMACLEAN AU - R SERIES



#### Mounting/Tension options

- Secondary cleaner spring tension unit
- Standard bolt tension unit

#### Cushion options

- Standard R Series Cushion (55 duro)
- R Series Cushion Heavy Duty High Speed 70 Duro



#### Rail options

- Standard rail
- Split rail
- Segmented rails



#### Tip options

- Standard S/S tungsten tip 10mm
- Heavy-duty S/S tungsten tip 15mm
- Heavy Duty Extra Life 20mm tungsten tip
- Heavy Duty Extra Life 25mm tungsten tip

### REMACLEAN AU - R SERIES - Primary Spares

Ref. No.	Designation
5873550	R Series Tungsten Tip Standard 10mm
5873549	R Series Tungsten Tip Heavy Duty 15mm
5957126	R Series Tungsten Tip Extra Heavy Duty 20mm
5957127	R Series Tungsten Tip Extra Heavy Duty 25mm
5305062	R Series Cushion Standard 55 Duro
5304565	R Series cushion Heavy Duty High Speed 65 Duro
5873631	Secondary Bolt Tension Kit 60 Diameter Poles
5873632	Secondary Bolt Tension Kit 73 Diameter Poles
5874742	Secondary Spring Tension Kit 60 Diameter Poles
5874739	Secondary Spring Tension Kit 73 Diameter Poles

## BELT CLEANING SYSTEMS REMACLEAN AU - U SERIES

### REMACLEAN AU - U SERIES

REMA TIP TOP offer a full range of U Series belt cleaners universally used across all light to heavy duty material processing applications. The U Series belt cleaner is a proven and reliable belt cleaner in both a secondary or tertiary application. Our market leading U Series belt cleaning systems are designed to reduce carry back and for easy service. This leads to improved safety, increased conveyor availability and reduced cleanup costs. Our U Series cleaning systems are made with safety, functionality and quality in mind giving our customers value for money whilst tailoring solutions that are cost effective and safer for their workforce.



REMACLEAN AU U Series Belt Cleaner

#### Properties

- Easy installation and maintenance
- Long service life through the use of highly wear-resistant Tungsten and cast stainless steel components
- Interchangeable with most U Series belt cleaner assemblies
- Australian Manufactured from local and imported components
- 304 stainless steel construction
- Available with spring tension
- Exceptional bonding - rubber to steel tungsten insert
- Tungsten induction brazed not glued
- Complete Units available to suit belt widths from 600mm to 3000mm
- Custom manufactured to suit belt widths 3200mm and above
- Complete polyurethane units and custom blends available upon request

#### Area of application

- Universally applicable as a secondary cleaner or tertiary cleaner for many types of materials such as sand, gravel, coal, ignites, ores, sinter, cement, and in the chemical industry.



U Series Poly Blade



U Series Tungsten Blade

## BELT CLEANING SYSTEMS REMACLEAN AU - U SERIES

### REMACLEAN AU - U SERIES - Primary Spares

Ref. No.	Designation	Belt Width
5780841	U Series 600mm Tungsten Blade	600mm
5874731	U Series 750mm Tungsten Blade	750mm
5874732	U Series 900mm Tungsten Blade	900mm
5874710	U Series 1050mm Tungsten Blade	1050mm
5874719	U Series 1200mm Tungsten Blade	1200mm
5874720	U Series 1400mm Tungsten Blade	1400mm
5874733	U Series 1500mm Tungsten Blade	1500mm
5874734	U Series 1600mm Tungsten Blade	1600mm
5874735	U Series 1800mm Tungsten Blade	1800mm
5874736	U Series 2000mm Tungsten Blade	2000mm
5780853	U Series 2200mm Tungsten Blade	2200mm
5874729	U Series 2400mm Tungsten Blade	2400mm
5874730	U Series 3000mm Tungsten Blade	3000mm



**BELT CLEANING SYSTEMS**  
**REMACLEAN AU - V SERIES - For use on belt**

**REMACLEAN AU - Floating Vee Plough & Floating Failsafe Vee Plough**

REMA TIP TOP offer a full range of Floating Vee Plough and Floating Failsafe Vee Plough assemblies and spares used across all light to heavy duty material processing applications. The floating and failsafe style plough is proven and reliable. Our range of Floating and failsafe Vee Ploughs are designed to be used on single direction conveyor belts with the plough positioned on the return side of the belt prior to the tail pulley that adjusts to the belt automatically using gravity. REMA TIP TOP also offer a bull nose options upon request.



Floating Vee Plough Single Pole



Twin Pole Plough

**Properties**

- Complete 304 stainless steel construction
- Polyurethane bushes inside link arms to eliminate vibration
- Australian manufactured from local and imported components
- FRAS and Hi Temp options available
- Safety turnbuckle
- Bull nose option available
- Complete Units available to suit belt widths from 450mm to 3200mm
- Custom manufactured complete units available up on request

**Area of application**

- Universally applicable as a secondary cleaner or tertiary cleaner for many types of materials such as sand, gravel, coal, ignites, ores, sinter, cement, and in the chemical industry.

**REMACLEAN AU - Floating Vee Plough & Floating Failsafe Vee Plough - Blade**

Ref. No.	Designation	Belt Width
5873835	Floating and Failsafe blade set Standard	450mm
5873836	Floating and Failsafe blade set Standard	600mm
5873837	Floating and Failsafe blade set Standard	750mm
5873838	Floating and Failsafe blade set Standard	900mm
5873839	Floating and Failsafe blade set Standard	1050mm
5873840	Floating and Failsafe blade set Standard	1200mm
5873841	Floating and Failsafe blade set Standard	1400mm
5873842	Floating and Failsafe blade set Standard	1500mm
5873844	Floating and Failsafe blade set Standard	1600mm
5873844	Floating and Failsafe blade set Standard	1800mm

**BELT CLEANING SYSTEMS**  
**REMACLEAN AU - V SERIES - For use on belt**

Ref. No.	Designation	Belt Width
5873855	HD Floating and Failsafe blade set	1200mm
5873856	HD Floating and Failsafe blade set	1400mm
5873857	HD Floating and Failsafe blade set	1500mm
5873858	HD Floating and Failsafe blade set	1600mm
5873859	HD Floating and Failsafe blade set	1800mm
5873860	HD Floating and Failsafe blade set	2000mm
5873861	HD Floating and Failsafe blade set	2200mm
5873862	HD Floating and Failsafe blade set	2400mm
5873863	HD Floating and Failsafe blade set	2500mm

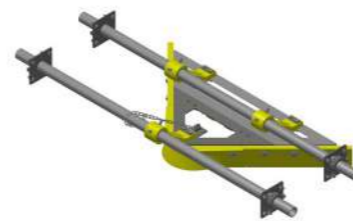
**BELT CLEANING SYSTEMS**  
**REMACLEAN AU - V SERIES - For use on belt**

**REMACLEAN AU - Vee Plough Torsion**

REMA TIP TOP offer a full range of Torsion Vee Plough assemblies and spares used across all light to heavy duty material processing applications. The Torsion style plough is a proven and reliable. The torsion plough is located in the same position as the floating plough with a different tension design allowing the plough to stay in constant contact with the conveyor belt. Our market leading torsion plough belt cleaning systems are designed to reduce belt cleaner servicing. This leads to improved safety, increased conveyor availability and reduced cleanup costs. Our torsion vee plough cleaning systems are made with safety, functionality and quality in mind giving our customers value for money whilst tailoring solutions that are cost effective and safer for their workforce.



REMACLEAN AU Vee Plough Torsion



REMACLEAN AU Vee Plough Torsion

**Properties**

- Safety chain
- Two piece body for easy installation
- Split torsion arm spares available or safer and faster maintenance
- Australian Manufactured from local and imported components
- 304 stainless steel construction
- FRAS and Hi Temp options available
- Complete assembly units available to suit belt widths from 600mm to 3200mm
- Custom manufactured complete units available up on request

**Area of application**

- Universally applicable for many types of materials such as Sand, Gravel, Coal, Ignites, Ores, Sinter, Cement, and in the chemical industry.
- The split torsion arm option provides increased safety and reduced maintenance benefits and is especially suitable when opportune maintenance opportunities are limited.

**REMACLEAN AU - Vee Plough Torsion - Blade Spares**

Ref. No.	Designation	Belt Width
5873970	Nose Blade Standard	All
5873971	Blade set standard	600mm
5873972	Blade set standard	750mm
5873973	Blade set standard	900mm
5873974	Blade set standard	1050mm
5873975	Blade set standard	1200mm
5873976	Blade set standard	1400mm
5873977	Blade set standard	1500-1600mm
5873978	Blade set standard	1800mm
5873979	Blade set standard	2000mm
5873980	Blade set standard	2200mm
5873981	Blade set standard	2400mm
5873982	Blade set standard	2600mm

**BELT CLEANING SYSTEMS**  
**REMACLEAN AU - V SERIES - For use on belt**

Ref. No.	Designation	Belt Width
5873996	HD Nose Blade	All
5873997	HD Blade Set	900mm
5873998	HD Blade Set	1050mm
5873999	HD Blade Set	1200mm
5873400	HD Blade Set	1400mm
5873401	HD Blade Set	1500mm
5873402	HD Blade Set	1600mm
5873403	HD Blade Set	1800mm
5873404	HD Blade Set	2000mm
5873405	HD Blade Set	2200mm
5873406	HD Blade Set	2400mm
5873407	HD Blade Set	2600mm
5873408	HD Blade Set	2800mm
5874009	HD Blade Set	3000mm

Special properties\*

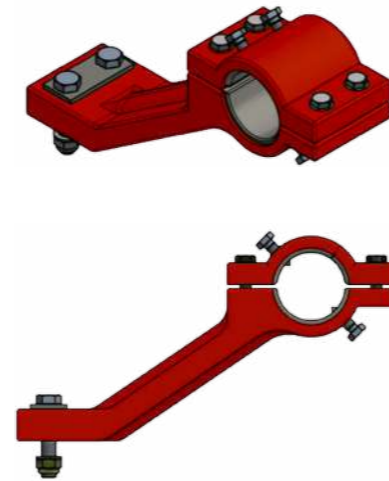
FRAS POLYURETHANE

## BELT CLEANING SYSTEMS

### REMACLEAN AU Split Torsion Arm - Innovating plough maintenance through safety and efficiency

#### REMACLEAN AU - Split Torsion

REMACLEAN Split Torsion Arms are designed to revolutionise the maintainability of conveyor ploughs which utilise the torsion tensioning system worldwide. Engineered to make servicing ploughs safer and more time efficient our split torsion arms are designed based on the feedback from our service technicians around the world. We manufacture locally from the highest quality stainless steel and polyurethane blends, with solutions to suit 60 and 73 diameter poles.



REMACLEAN Split Torsion Arm

#### Properties

- Minimises maintenance and downtime.
- User friendly
- Interchangeable across all major torsion plough models
- Safest Torsion Arm on the market.
- Australian made

#### Area of application

- Versatile across all mining applications from light to heavy-duty.
- Iron ore
- Copper
- Coal
- Nickel
- Gold
- Quarries
- Sand and gravel plants

#### REMACLEAN Split Torsion Arm

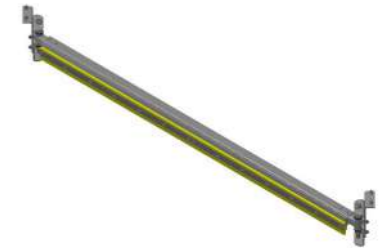
Ref. No.	Designation	Dimensions
530 5596	REMACLEAN Split Torsion Arm	60 diametre poles
530 5595	REMACLEAN Split Torsion Arm	73 diametre poles

## BELT CLEANING SYSTEMS

### REMACLEAN AU - Belt return side scraper

#### REMACLEAN AU - Diagonal

REMA TIP TOP offer a full range of Diagonal Plough assemblies and spares used across all light to heavy duty material processing applications. The diagonal style plough is proven and reliable. Diagonal ploughs are designed for use on single directional conveyors. The diagonal plough removes material on the return side of the belt moving the waste to a single side. This is best used where access is poor on one side of a conveyor. Our market leading diagonal plough belt cleaning systems are designed to reduce belt cleaner servicing, improve safety, increase conveyor availability and reduce cleanup costs. Our diagonal plough cleaning systems are made with safety, functionality and quality in mind giving our customers value for money whilst tailoring solutions that are cost effective and safer for their workforce. Rema Tip Top also offer a full reversible diagonal plough range and spares.



REMACLEAN AU Diagonal Plough

#### Properties

- Standard and Heavy Duty options available
- Reversible assemblies and spares available
- Fully interchangeable with most leading brands
- Australian Manufactured from local and imported components
- 304 stainless steel construction
- FRAS and Hi Temp options available
- Complete assembly units available to suit belt widths from 600mm to 2200mm
- Sizes above 2200mm and Custom manufactured complete units available up on request

#### Area of application

- Universally applicable for many types of materials such as Sand, Gravel, Coal, Ignites, Ores, Sinter, Cement, and in the chemical industry

#### REMACLEAN AU - Diagonal Plough - Primary Spares

Ref. No.	Designation	Belt Width
5780835	Diagonal Plough Blade	600-750mm
5957119	Diagonal Plough Blade	900-1050mm
5874709	Diagonal Plough Blade	1200-1500mm
5874703	Diagonal Plough Blade	1600-1800mm
5874702	Diagonal Plough Blade	2000-2200mm
5874704	HD Diagonal Plough Blade Set	2000-2200mm
5957159	Reversing Diagonal Blade Set	600-750mm
5957160	Reversing Diagonal Blade Set	900-1050mm
40000003	Reversing Diagonal Blade Set	1200-1500mm
5957161	Reversing Diagonal Blade Set	1600-1800mm
5957162	Reversing Diagonal Blade Set	2000-2200mm

Special properties\*

FRAS POLYURETHANE

## BELT CLEANING SYSTEMS

Water Management Systems - Revolutionising the performance and serviceability of conveyor spray systems

### Retractable Spray Bars

Our innovative retractable spray bars are designed so they can be serviced while the conveyor is still running. They use a slim line design to make installation and maintenance easy.



Retractable Spray Bars

#### Properties

- Enables maintenance without disruption to plant availability.
- Can be used as part of a rotatable spares system.
- Available for all belt widths.
- Custom builds and specs available upon request.
- 304 stainless steel as standard.
- Can be adapted for dust suppression.

#### Area of application

- Compatible with all cleaning systems.
- Ideal for tight areas where access is limited to install or service.

### Retractable Spray Bars

Ref. No.	Designation	Belt Width
<b>5874771</b>	<b>Retractable Spray Bar</b>	1050mm
<b>5874772</b>	<b>Retractable Spray Bar</b>	1200mm
<b>5874773</b>	<b>Retractable Spray Bar</b>	1400mm
<b>5957175</b>	<b>Retractable Spray Bar</b>	1500mm
<b>5874775</b>	<b>Retractable Spray Bar</b>	1600mm
<b>5874759</b>	<b>Retractable Spray Bar</b>	1800mm
<b>5874760</b>	<b>Retractable Spray Bar</b>	2000mm

## BELT CLEANING SYSTEMS

Water Management Systems - Revolutionising the performance and serviceability of conveyor spray systems

### Water Control Manifold

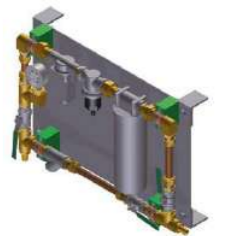
The key to the optimal performance of any water control system starts with the flow and pressure of water within the system. Our water manifolds control the supply, pressure and cleanliness of water delivered to the belt cleaning system. These three key performance indicators ensure that the cleaning system can deliver the best possible cleaning efficiency and offer premium performance and maximum service life. We manufacture systems locally and offer water control manifold options to suit all operating functionality and budgets.

#### Properties

- Standard inline configuration
- (no bypass line).
- Standard with bypass (maintenance line).
- Custom builds available to suit site specific needs.
- Fully enclosed units available across the whole range.
- Solenoid operated valves.
- Remote flow monitoring.

#### Area of application

- For the control of water flow to spray nozzles.



Water Control Unit with Bypass



Water Control Unit



Enclosed Water Control Unit with Dual Bypass

### Water Control Mainfold

Ref. No.	Designation	Enclosure
<b>5874714</b>	<b>Water Control Manifold</b>	Not enclosed
<b>5874715</b>	<b>Water Control Manifold</b>	Enclosed in 316 Stainless Steel Enclosure
<b>5874716</b>	<b>Water Control Manifold</b>	Enclosed in Powder Coated Enclosure

## REMACLEAN 60

Due to its excellent abrasion-resistance and high elasticity, our special rubber material REMACLEAN 60 is capable of significantly prolonging service life compared to conventional rubber materials. The scraper rubber is mounted on the system's existing scraper system and when new may protrude from the bracket by up to its own thickness.



REMACLEAN 60

### Properties

- Excellent wear resistance
- Very high elasticity
- Low friction on conveyor belt
- Easy fitment
- Different thicknesses available from 8 - 20 mm
- Production widths up to 2 000 mm available
- Designed for temperature ranges of -40°C to +70°C

### Area of application

- Universally applicable as scraper and skirting rubber for granulated, non-sticky material

## REMACLEAN 60

### Specifications

Polymer basis	BR/IR/SBR	DIN ISO 1629
Specific weight	1.13 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions
549 7034	REMACLEAN 60	8 x 2 000 x 10 000 mm
549 7089	REMACLEAN 60	10 x 2 000 x 10 000 mm
549 7137	REMACLEAN 60	15 x 2 000 x 10 000 mm
549 7182	REMACLEAN 60	20 x 2 000 x 10 000 mm

## REMACLEAN 60 MOR

Especially for moderately oil resistant conveyor belts with fabric plies used in the recycling industry. Roll can be cut into strips upon request.



REMACLEAN 60 MOR

### Properties

- Good wear-resistance
- Very high flexibility
- Low friction on conveyor belt
- Different thicknesses available from 5-10 mm
- Production widths up to 2000 mm available
- Designed for service temperatures from 40°C to +70°C
- Moderate oil and grease resistant

### Area of application

- Universally applicable as scraper and skirting rubber for granulated, non-sticky material in the recycling industry

## REMACLEAN 60 MOR

### Moderate oil resistance

### Specifications

Polymer basis	NBR/SBR	DIN ISO 1629
Specific weight	1.16 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	64 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Weight
549 7520	REMACLEAN 60 MOR	5 x 2 000 x 10 000 mm	11.97 kg/m
549 7530	REMACLEAN 60 MOR	7 x 2 000 x 10 000 mm	16.76 kg/m
549 7540	REMACLEAN 60 MOR	10 x 2 000 x 10 000 mm	23.94 kg/m

BELT CLEANING SYSTEMS  
REMACLEAN – Scraper Rubber

REMACLEAN 70

Due to its excellent abrasion-resistance and high elasticity, our special rubber material REMACLEAN 70 is perfectly suitable to achieve significantly longer service life compared to conventional rubber materials. The scraper rubber is mounted on the system's existing scraper system and when new may protrude from the bracket by up to its own thickness.

**Properties**

- Excellent wear-resistance
- Very high flexibility
- Low friction on conveyor belt
- Easy fitment
- Different thicknesses available from 6 -20 mm
- Production widths up to 2 000 mm available
- Designed for temperature ranges of -40°C to +70°C

**Area of application**

- Universally applicable as scraper and skirting rubber for granulated, non-sticky material



REMACLEAN 70

REMACLEAN 70

Roll can be cut into strips upon request.

**Specifications**

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.09 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	63 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Weight
549 9200	REMACLEAN 70	6 x 2 000 x 10 000 mm	13.86 kg/m
549 6815	REMACLEAN 70	10 x 120 x 10 000 mm	1.39 kg/m
549 6822	REMACLEAN 70	10 x 150 x 10 000 mm	1.73 kg/m
549 6839	REMACLEAN 70	10 x 2 000 x 10 000 mm	23.00 kg/m
549 6860	REMACLEAN 70	15 x 200 x 10 000 mm	3.45 kg/m
549 6884	REMACLEAN 70	15 x 2 000 x 10 000 mm	34.50 kg/m
549 6925	REMACLEAN 70	20 x 2 000 x 10 000 mm	46.00 kg/m

BELT CLEANING SYSTEMS  
REMACLEAN – Scraper Rubber

REMACLEAN 70 V

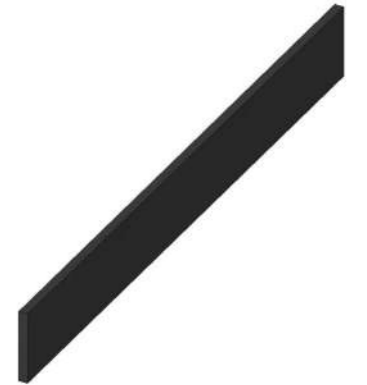
Self-extinguishing, antistatic and moderate oil resistance.  
German underground approval: 18.43.21-91-4  
Polish underground approval: Dopuszczenie WUG Katowice No. B/1724/IV/2016  
May be used in ATEX installations.

**Properties**

- Very high flexibility
- Low friction on conveyor belt
- Easy fitment
- Different thicknesses available from 8-20 mm
- Production widths up to 2000 mm available
- Designed for temperature ranges of -40°C to +70°C

**Area of application**

- Universally applicable as scraper and skirting rubber



REMACLEAN 70 V

REMACLEAN 70 V

Roll can be cut into strips upon request.

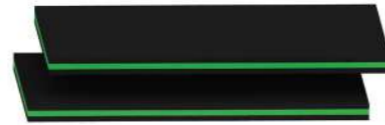
**Specifications**

Polymer basis	CR	DIN ISO 1629
Specific weight	1.39 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Weight
549 7333	REMACLEAN 70 V	8 x 2 000 x 10 000 mm	23.52 kg/m
549 7388	REMACLEAN 70 V	10 x 2 000 x 10 000 mm	29.20 kg/m
549 7436	REMACLEAN 70 V	15 x 2 000 x 10 000 mm	43.80 kg/m
549 7474	REMACLEAN 70 V	20 x 2 000 x 10 000 mm	58.40 kg/m

## REMACLEAN CAB GREEN

Three-ply combi scraping rubber (CAB) with wear resistant outer layer and elastic inner layer. The combi scraper rubber may protrude from its support up to 1.5 times its thickness.



REMACLEAN CAB GREEN

### Properties

- Excellent wear resistance
- Very belt friendly
- Low friction on conveyor belt
- Different thicknesses available from 15-40 mm
- Production widths up to 2 000 mm available
- Designed for temperature ranges of -40°C to +70°C

### Area of application

- Universally applicable as scraper for granular, slightly sticky and moist material

## REMACLEAN CAB GREEN

Roll can be cut into strips upon request.

### Specifications

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.13/1.09/1.13 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	71/49/71 Shore A	DIN ISO 7619-1
Colour	Black/Green/Black	

Ref. No.	Designation	Dimensions	Weight
549 8411	REMACLEAN CAB GREEN	15 x 100 x 10 000 mm	1.81 kg/m
549 8428	REMACLEAN CAB GREEN	15 x 120 x 10 000 mm	2.17 kg/m
549 8435	REMACLEAN CAB GREEN	15 x 150 x 10 000 mm	2.73 kg/m
549 8442	REMACLEAN CAB GREEN	15 x 2 000 x 10 000 mm	36.29 kg/m
549 8459	REMACLEAN CAB GREEN	20 x 100 x 10 000 mm	2.38 kg/m
549 8473	REMACLEAN CAB GREEN	20 x 150 x 10 000 mm	3.57 kg/m
549 8497	REMACLEAN CAB GREEN	20 x 2 000 x 10 000 mm	47.56 kg/m
549 8514	REMACLEAN CAB GREEN	25 x 120 x 10 000 mm	3.51 kg/m
549 8521	REMACLEAN CAB GREEN	25 x 150 x 10 000 mm	4.39 kg/m
549 8538	REMACLEAN CAB GREEN	25 x 200 x 10 000 mm	5.84 kg/m
549 8552	REMACLEAN CAB GREEN	25 x 2 000 x 10 000 mm	58.43 kg/m
549 8624	REMACLEAN CAB GREEN	30 x 2 000 x 10 000 mm	68.88 kg/m
549 8648	REMACLEAN CAB GREEN	40 x 2 000 x 5 000 mm	91.84 kg/m

## REMACLEAN CAB GREY

Three-ply combi scraping rubber (CAB) with wear resistant outer layer and elastic inner layer. The combi scraper rubber may protrude from its support up to 1.5 times its thickness.



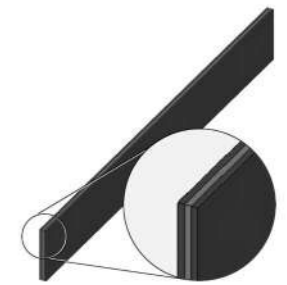
REMACLEAN CAB GREY

### Properties

- Excellent wear resistance
- Very belt friendly
- Low friction on conveyor belt
- Different thicknesses available from 15-30 mm
- Production widths up to 2 000 mm available
- Designed for temperature ranges of -40°C to +70°C

### Area of application

- Universally applicable as scraper for granular, slightly sticky and moist material



sideview

## REMACLEAN CAB GREY

Roll can be cut into strips upon request.

### Specifications

Polymer basis	BR/NR/IR	DIN ISO 1629
Specific weight	1.23/1.10/1.23 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	83/48/83 Shore A	DIN ISO 7619-1
Colour	Black/Grey/Black	

Ref. No.	Designation	Dimensions	Weight
549 9283	REMACLEAN CAB GREY	15 x 150 x 10 000 mm	2.81 kg/m
549 9300	REMACLEAN CAB GREY	15 x 2 000 x 10 000 mm	37.50 kg/m
549 9317	REMACLEAN CAB GREY	20 x 100 x 10 000 mm	2.50 kg/m
549 9331	REMACLEAN CAB GREY	20 x 150 x 10 000 mm	3.75 kg/m
549 9355	REMACLEAN CAB GREY	20 x 2 000 x 10 000 mm	50.00 kg/m
549 9379	REMACLEAN CAB GREY	25 x 120 x 10 000 mm	3.47 kg/m
549 9386	REMACLEAN CAB GREY	25 x 150 x 10 000 mm	4.58 kg/m
549 9410	REMACLEAN CAB GREY	25 x 250 x 10 000 mm	5.8 kg/m
549 9434	REMACLEAN CAB GREY	25 x 2 000 x 10 000 mm	61.00 kg/m
549 9506	REMACLEAN CAB GREY	30 x 2 000 x 10 000 mm	72.00 kg/m

## REMACLEAN KWA

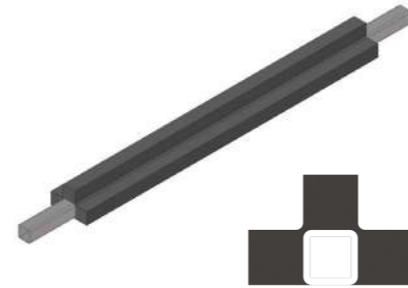
Highly abrasion resistant KWA rubber scraper bar for universal use with a rigid steel construction. Recommended to be fitted with tensioning device type INNOVATION, PRECISION or STANDARD.

### Properties

- High-performance scraper which protects the belt
- Long service life due to wear-resistant REMA TIP TOP rubber quality
- Excellent cost-performance-ratio
- Three subsequently-usable scraper bars
- Easy fitment
- Designed for service temperatures from -40°C to +80°C and belt speeds up to 3.5 m/s
- Also suited for use with mechanical joints

### Area of application

- Particularly suited for pre-cleaning
- Universally applicable for many types of materials such as moist sand and gravel, hard coal, clay, refuse and fat-containing material



REMACLEAN KWA

## REMACLEAN KWA

### Specifications

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.10 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	63 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Belt width
578 7012	REMACLEAN KWA	500 mm
578 7029	REMACLEAN KWA	650 mm
578 7036	REMACLEAN KWA	800 mm
578 7043	REMACLEAN KWA	1 000 mm
578 7050	REMACLEAN KWA	1 200 mm
578 7270	REMACLEAN KWA	1 400 mm
578 7407	REMACLEAN KWA	1 600 mm

## REMACLEAN KWA V

Highly abrasion resistant (KWA) rubber scraper bar for universal use with a rigid steel construction. V quality is self-extinguishing, antistatic and moderate oil resistant and therefore particularly suitable for the underground mining and for oil-containing conveyor goods. Recommended to be fitted with tensioning device type INNOVATION, PRECISION or STANDARD.

German underground approval: LOBA No. 18.43.21-91-24

Polish underground approval: Dopuszczenie WUG Katowice No. B/1724/IV/2016

### Properties

- High-performance scraper which protects the belt
- Long service life due to wear-resistant REMA TIP TOP rubber quality
- Excellent cost-performance-ratio
- Three subsequently-usable scraper bars
- Easy fitment
- Designed for service temperatures from -40°C to +80°C and belt speeds up to 3.5 m/s
- Suited for use with mechanical joints

### Area of application

- Particularly suited for pre-cleaning
- Universally applicable for many types of materials such as moist sand and gravel, hard coal, clay, refuse and fat-containing material



REMACLEAN KWA V

## REMACLEAN KWA V

### Specifications

Polymer basis	CR	DIN ISO 1629
Specific weight	1.39 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Electric resistance	Antistatic*	DIN 22100-7
Inflammability	Self-extinguishing**	
Colour	Black	

Ref. No.	Designation	Belt width
578 7225	REMACLEAN KWA V	650 mm
578 7232	REMACLEAN KWA V	800 mm
578 7249	REMACLEAN KWA V	1 000 mm
578 7256	REMACLEAN KWA V	1 200 mm
578 7263	REMACLEAN KWA V	1 400 mm
578 7311	REMACLEAN KWA V	1 600 mm

\*Surface and volume resistivity <math> < 1 \times 10^6 \text{ Ohm}</math>, tested in accordance with DIN EN ISO 284, DIN IEC 93.

\*\*Fulfills DIN 22100-7 safety requirements (fire safety, hygiene, electrical).



## REMACLEAN PUR

Highly abrasion resistant polyurethane scraper bar for universal use with a rigid steel construction (special version with stainless steel construction available on request). EU quality is antistatic and resistant to hydrolysis and therefore particularly suitable for water-containing conveyor goods. Recommended to be fitted with tensioning device type INNOVATION, PRECISION or STANDARD.



REMACLEAN PUR

### Properties

- High-performance scraper which protects the belt
- Long service life due to wear-resistant REMA TIP TOP PUR quality
- Excellent cost-performance-ratio
- Two subsequently-usable scraper bars
- Easy fitment
- Designed for service temperatures from -30°C to +70°C and belt speeds up to 3.5 m/s
- Also suited for use with mechanical joints

### Area of application

- Particularly suited for pre-cleaning, moderately useable for fine cleaning
- Universally applicable for many types of materials such as moist sand and gravel, hard coal, lignite, clay, cement, gypsum, refuse and fat-containing material

## REMACLEAN PUR

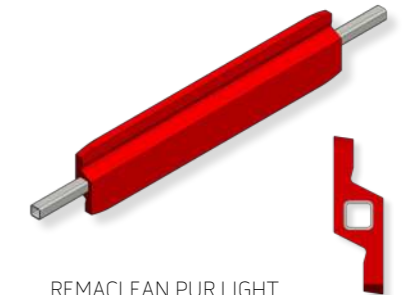
### Specifications

Polymer basis	PU	DIN ISO 1629
Hardness	90 Shore A	DIN ISO 7619-1
Colour	Brown	

Ref. No.	Designation	Belt width
578 7500	REMACLEAN PUR	500 mm
578 7517	REMACLEAN PUR	650 mm
578 7524	REMACLEAN PUR	800 mm
578 7531	REMACLEAN PUR	1 000 mm
578 7548	REMACLEAN PUR	1 200 mm
578 7555	REMACLEAN PUR	1 400 mm
578 7562	REMACLEAN PUR	1 600 mm

## REMACLEAN PUR LIGHT

Highly abrasion resistant polyurethane scraper bar for universal use with a rigid, weight reduced steel construction (special version with stainless steel construction available on request). EU quality is antistatic and resistant to hydrolysis and therefore particularly suitable for water-containing conveyor goods. Recommended to be fitted with tensioning device type INNOVATION, PRECISION or STANDARD.



REMACLEAN PUR LIGHT

### Properties

- High-performance scraper which protects the belt in lightweight version
- Long service life due to wear-resistant REMA TIP TOP PUR quality
- Excellent cost-performance-ratio
- Two subsequently-usable scraper bars
- Easy fitment
- Designed for service temperatures from -30°C to +70°C and belt speeds up to 2.5 m/s

### Area of application

- Particularly suited for pre-cleaning as well as main cleaner for dry materials
- Universally applicable for many types of materials such as moist sand and gravel, hard coal, lignite, clay, cement, gypsum, refuse and fat-containing material

## REMACLEAN PUR LIGHT

### Specifications

Polymer basis	PU	DIN ISO 1629
Hardness	64 Shore A	DIN ISO 7619-1
Colour	Red	

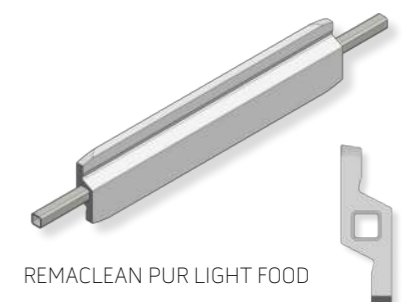
Ref. No.	Designation	Belt width	Dimensions support tube
578 7430	REMACLEAN PUR LIGHT	400 mm	30 x 30 mm
578 7440	REMACLEAN PUR LIGHT	500 mm	30 x 30 mm
578 7450	REMACLEAN PUR LIGHT	650 mm	30 x 30 mm
578 7460	REMACLEAN PUR LIGHT	800 mm	30 x 30 mm
578 7470	REMACLEAN PUR LIGHT	1 000 mm	30 x 30 mm
578 7480	REMACLEAN PUR LIGHT	1 200 mm	30 x 30 mm
578 7490	REMACLEAN PUR LIGHT	1 400 mm	30 x 30 mm

## REMACLEAN PUR LIGHT Food (foodstuff quality)

Special design of the PUR LIGHT FOOD made of PUR for use in food sectors, meets the requirements of FDA CFR 21 § 177.2600.

### Area of application:

- In all sectors of the industry where foodstuff quality is prescribed.



REMACLEAN PUR LIGHT FOOD

REMACLEAN PUR LIGHT FOOD available from August 2019.

## REMACLEAN C

Highly abrasion resistant rubber scraper bar for universal use with ceramic material flexibly embedded in rubber and a rigid steel construction. Belt friendly cleaning due to rounded outer ceramic elements.

### Properties

- High-performance scraper which protects the belt
- Long service life due to wear-resistant REMA TIP TOP rubber quality
- Excellent cost-performance-ratio
- Easy fitment
- Designed for service temperatures from -40°C to +80°C and belt speeds up to 3.5 m/s
- Not suited for use with mechanical joints

### Area of application

- Particularly suited for pre-cleaning and just as well suited as main cleaner
- Universally applicable for many types of materials such as hard coal, lignite, clay, cement, gypsum, refuse and sticky material with a high water content
- Less suited for material containing quartz and fat



REMACLEAN C

## REMACLEAN C

### Specifications

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.09 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	64 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Belt width
578 7593	REMACLEAN C	400 mm
578 7603	<b>REMACLEAN C</b>	500 mm
578 7610	REMACLEAN C	650 mm
578 7627	REMACLEAN C	800 mm
578 7634	<b>REMACLEAN C</b>	1 000 mm
578 7641	<b>REMACLEAN C</b>	1 200 mm
578 8640	REMACLEAN C	1 400 mm
578 7665	REMACLEAN C	1 600 mm

## REMACLEAN M

Highly abrasion resistant rubber scraper bar for universal use with tungsten carbide inserts flexibly embedded in rubber and a rigid steel construction. Belt friendly cleaning due to rounded outer carbide inserts. Recommended to be fitted with tensioning device type INNOVATION.

### Properties

- High-performance scraper which protects the belt
- Long service life due to wear-resistant REMA TIP TOP rubber quality
- Excellent cost-performance-ratio
- Easy fitment
- Designed for service temperatures from -40°C to +80°C and belt speeds up to 3.5 m/s
- Not suited for use with mechanical joints

### Area of application

- Particularly suited for pre-cleaning and just as well suited as main cleaner
- Universally applicable for many types of materials such as moist sand and gravel, hard coal, lignite, clay, cement, gypsum, refuse and very sticky and abrasive material
- Less suited for material containing fat



REMACLEAN M

## REMACLEAN M

### Specifications

Polymer basis	NR/BR	DIN ISO 1629
Specific weight	1.09 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	64 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Belt width
578 9010	<b>REMACLEAN M</b>	500 mm
578 9027	REMACLEAN M	600 mm
578 9041	<b>REMACLEAN M</b>	800 mm
578 9072	<b>REMACLEAN M</b>	1 000 mm
578 9096	<b>REMACLEAN M</b>	1 200 mm
578 9106	REMACLEAN M	1 400 mm
578 9120	REMACLEAN M	1 600 mm

### REMACLEAN HML

Highly wear-resistant, universally usable scraper bar made from carbide with a nonstick coating and with a robust steel system carrier. A special version made from stainless or galvanised steel is also available. Recommended to be fitted with tensioning device type INNOVATION.

#### Properties

- High-performance scraper which protects the belt
- Long service life due to the high quality carbide plates
- Requires very little contact pressure due to very small carbide surface area
- Easy fitment
- For belt speeds up to 4.0 m/s
- Not suited for use with mechanical joints

#### Area of application

- Particularly suited for pre-cleaning and just as well suited as main cleaner
- Universally applicable for many types of materials such as moist sand and gravel, hard coal, lignite, clay, cement, gypsum, refuse and very quartz-rich, sticky and abrasive material
- HML HR Version for processes with temperatures up to 300°C



REMACLEAN HML

### REMACLEAN HML

Designed for service temperatures from -40°C to +80°C

Ref. No.	Designation	Belt width
578 2010	REMACLEAN HML	400 mm
578 2020	REMACLEAN HML	500 mm
578 2030	REMACLEAN HML	650 mm
578 2040	REMACLEAN HML	800 mm
578 2060	REMACLEAN HML	1 000 mm
578 2070	REMACLEAN HML	1 200 mm

### REMACLEAN pipe adapter

Designed for service temperatures from 40°C to +80°C

Ref. No.	Designation
578 2120	REMACLEAN pipe adapter D50 for pipe 30 x 30 mm for KWA, C, M, PUR, HML PUR LIGHT, HML HR
578 1990	REMACLEAN pipe adapter D60 for pipe 40 x 40 mm for KWA, C, M, PUR, HML PUR LIGHT, HML HR



Adapter bar for QR 30



Adapter bar for QR 40

### REMACLEAN HML HR

Suitable for temperatures up to 300°C

Ref. No.	Designation	Belt width
578 2011	REMACLEAN HML HR	400 mm
578 2021	REMACLEAN HML HR	500 mm
578 2031	REMACLEAN HML HR	650 mm
578 2041	REMACLEAN HML HR	800 mm
578 2051	REMACLEAN HML HR	900 mm
578 2061	REMACLEAN HML HR	1 000 mm
578 2071	REMACLEAN HML HR	1 200 mm



REMACLEAN HML HR

### REMACLEAN STANDARD

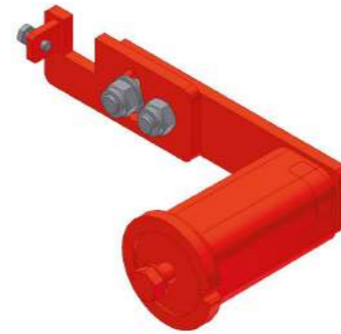
Tension unit for universal use with torsion element and support arm with adjustable angle for optimum inspection and servicing of the system. Extremely long service life. Vibration absorbing and flexible due to integrated rubber spring elements. Can be retrofitted with reversing stop that can also be used as a buffer for the support arm.

#### Properties

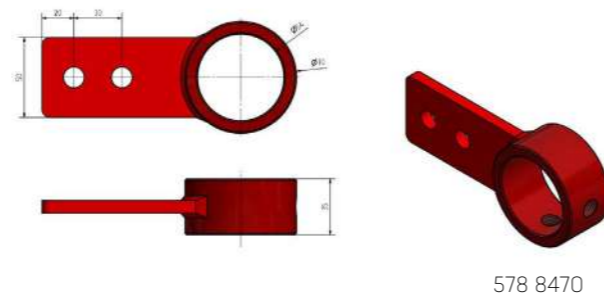
- Extremely long-lasting
- Easy fitting - can also retroactively be fitted to all conveyor belt systems with minimal effort
- Quick and easy scraper bar exchange
- Consistent cleaning performance through consistent contact pressure
- Low design height
- Maintenance-free, resulting in minimal time needed for inspection and maintenance
- Designed for service temperatures from -40 °C to +80 °C, belt speeds up to 3.5 m/s and belt widths from 400 to 1 600 mm
- Suited for use with mechanical joints

#### Area of application

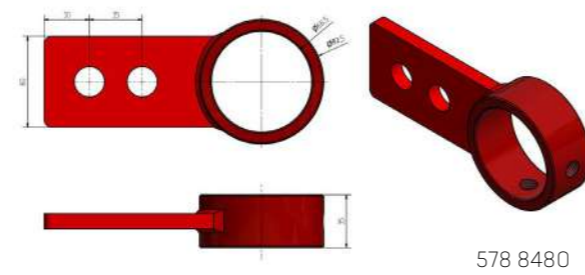
- Particularly suited for scraper bars made from rubber or Polyurethane with square support tubes such as REMACLEAN KWA/PUR



REMACLEAN STANDARD



578 8470



578 8480

### REMACLEAN STANDARD

Ref. No.	Designation	For belt width	Content
<b>578 8389</b>	<b>REMACLEAN STANDARD includes 2x Tensioning devices SE 27, 2x Holders SE 27, Screws</b>	400 - 800 mm	1 pair
<b>578 8406</b>	<b>Tensioning device SE 27</b>		1 piece
<b>578 8420</b>	<b>Holder SE 27</b>		1 piece
<b>578 8470</b>	<b>Scraper bar holder for Rosta SE27 D= 50 mm</b>		1 piece
<b>578 8396</b>	<b>REMACLEAN STANDARD includes 2x Tensioning devices SE 38, 2x Holders SE 38, Screws</b>	1 000 - 1 600 mm	1 pair
<b>578 8413</b>	<b>Tensioning device SE 38</b>		1 piece
<b>578 8437</b>	<b>Holder SE 38</b>		1 piece
<b>578 8480</b>	<b>Scraper bar holder for Rosta SE38 D= 60 mm</b>		1 piece

### REMACLEAN PRECISION

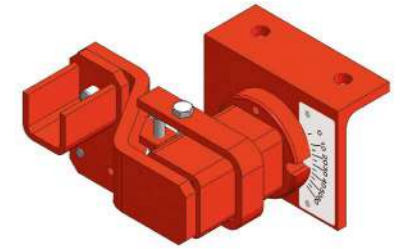
Tension unit for universal use with torsion element and support arm with pivoting mechanism for precise 90° adjustment of the scraper to the belt as well as a scale for setting the contact pressure for optimum inspection and servicing of the system. Extremely long service life. Vibration absorbing and flexible due to integrated rubber spring elements. Can be retrofitted with reversing stop that can also be used as a buffer for the support arm.

#### Properties

- Extremely long-lasting
- Quick and easy scraper bar exchange
- Consistent cleaning performance through consistent contact pressure
- Low design height
- Maintenance-free, resulting in minimal time needed for inspection and maintenance
- Designed for service temperatures from -40°C to +80°C, belt speeds up to 3.5 m/s
- For belt widths from 400 to 1 800 mm
- Suited for use with mechanical joints

#### Area of application

- Particularly suited for scraper bars made from rubber or Polyurethane with square support tubes such as REMACLEAN KWA/PUR/C/M



REMACLEAN PRECISION

### REMACLEAN PRECISION

Ref. No.	Designation	For belt width	Content
<b>578 8310</b>	<b>REMACLEAN PRECISION</b>	400 - 800 mm	1 pair
<b>578 8341</b>	<b>REMACLEAN PRECISION</b>	1 000 mm	1 pair
<b>578 8358</b>	<b>REMACLEAN PRECISION</b>	1 200 - 1 800 mm	1 pair

### REMACLEAN INNOVATION

Tension unit for universal use with torsion element and support arm with pivoting mechanism for precise 90° adjustment of the scraper to the belt as well as a scale for setting the contact pressure for optimum inspection and servicing of the system. The contact pressure can be continuously adjusted via a tension spindle (display for adjustment included). Extremely long service life. Vibration absorbing and flexible due to integrated rubber spring elements. Can be retrofitted with reversing stop that can also be used as a buffer for the support arm.

\*Provided the condition of a explicit authorization of the plant operator.

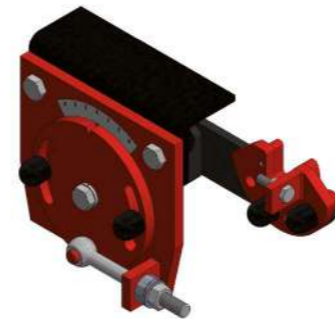
#### Properties

- Extremely long-lasting
- Easy fitting - can also retroactively be fitted to all conveyor belt systems with minimal effort
- Quick and easy scraper bar exchange
- Consistent cleaning performance through consistent contact pressure
- Low design height, compact construction
- Maintenance-free, resulting in minimal time needed for inspection and maintenance
- Integrated preload indicator

- Designed for service temperatures from -40°C to +80°C, belt speeds up to 4.0 m/s
- For belt widths from 400 up to 1 800 mm
- Suited for use with mechanical joints

#### Area of application

- Particularly suited for scraper bars made from carbide, rubber or polyurethane with square support tubes such as REMACLEAN KWA/PUR/C/M and particularly HML



REMACLEAN INNOVATION

### REMACLEAN INNOVATION

Ref. No.	Designation	For belt width	Dimensions	Content
578 8320	REMACLEAN INNOVATION 30 x 30 mm	400 - 800 mm	30 x 30 mm	1 pair
578 8330	REMACLEAN INNOVATION 40 x 40 mm	1 000 mm	40 x 40 mm	1 pair
578 8360	REMACLEAN INNOVATION 40 x 40 mm	1 200 - 1 800 mm	40 x 40 mm	1 pair

### REMACLEAN HM-F1

Belt scraper system with individual elastically supported tungsten carbide blades and a spindle-type tension unit for cleaning of conveyor belt top covers at the head pulley. The solid design of the support tube, where the tungsten carbide segments are elastically mounted, allow the system to be used for belt speeds up to 6.5 m/s. The tungsten carbide blades optimally adjust to the belt surface and guarantee effective and belt friendly cleaning as well as long service life and high reliability.

#### Properties

- High cleaning efficiency through ideal adaptation of the carbide blades (flexibly and individually mounted) to the belt surface
- Long service life through the use of highly wear-resistant carbide and low-friction, non-stick skirting
- Easy fitment of the scraper beneath the pulley axis (outside of the material's main flow)
- Consistent contact pressure through low-maintenance and high-quality rubber torsion elements

- Open construction of the carbide carriers and the torsion elements for unhampered dispersion of material
- The tensioning device can be shifted inside or outside of the conveyor belt construction
- Also suited for reverse operation
- Designed for service temperatures from -40°C to +80°C, belt speeds up to 6.5 m/s
- For belt widths up to 2 400 mm and pulley diameters up to 2 000 mm
- Not suited for use with mechanical joints



REMACLEAN HM-F1

#### Area of application

- Universally applicable as a pre-cleaner or main cleaner for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter, cement and in the chemical industry

### REMACLEAN HM-F1

Ref. No.	Designation	Belt width
578 2158	REMACLEAN HM-F1	650 mm
578 2165	REMACLEAN HM-F1	800 mm
578 2189	REMACLEAN HM-F1	1 000 mm
578 2196	REMACLEAN HM-F1	1 200 mm
578 2206	REMACLEAN HM-F1	1 400 mm
578 2213	REMACLEAN HM-F1	1 600 mm
578 2220	REMACLEAN HM-F1	1 800 mm
578 2237	REMACLEAN HM-F1	2 000 mm
578 2244	REMACLEAN HM-F1	2 200 mm
578 2251	REMACLEAN HM-F1	2 400 mm

### Spare and wear parts – REMACLEAN HM-F1

Ref. No.	Designation
578 3803	Hard metal scraper segment HMT-F1, with PE deflector apron, center
578 1080	Hard metal scraper segment HMT-F1, with PE deflector apron, right
578 1070	Hard metal scraper segment HMT-F1, with PE deflector apron, left



Hard metal scraper segment

BELT CLEANING SYSTEMS  
REMACLEAN – F-Series – for use on pulley

REMACLEAN HM-F2

Belt scraper system with individual elastically supported tungsten carbide blades and a spindle-type tension unit for cleaning of conveyor belt top covers at the head pulley. The individual elastically supported tungsten carbide blades can pivot about the axis of the joint. Therefore the tungsten carbide blades optimally adjust to the belt surface and guarantee effective and belt friendly cleaning. The scraper blade is tensioned by a spindle type tension unit. The outer tungsten carbide segments are equipped with an indicator showing the contact pressure of the blades.

**Properties**

- High cleaning efficiency through ideal adaptation of the carbide blades (flexibly and individually mounted) to the belt surface
- Long service life through the use of highly wear-resistant carbide and lowfriction, non-stick skirting
- Easy fitment of the scraper beneath the pulley axis (outside of the material's main flow)
- Open construction of the carbide carriers and the torsion elements for unhampered dispersion of material
- Easily fitted and adjusted, low-maintenance through rubber torsion elements
- Consistent and ideal contact pressure; easily adjustable and definable
- Consistent contact pressure through low-maintenance and high-quality rubber torsion elements
- The tensioning device can be shifted inside or outside of the conveyor belt construction
- Also suited for reverse operation
- Designed for service temperatures from -40°C to +80°C, belt speeds up



REMACLEAN HM-F2

- to 4.5 m/s
- A special version in stainless steel and heat-resistant up to +120°C is also available
- Not suited for use with mechanical joints

**Area of application**

- Universally applicable as a pre-cleaner or main cleaner for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter, cement and in the chemical industry

REMACLEAN HM-F2

Ref. No.	Designation	Belt width
578 3009	REMACLEAN HM-F2	400 mm
578 3016	REMACLEAN HM-F2	500 mm
578 3023	REMACLEAN HM-F2	650 mm
578 3030	REMACLEAN HM-F2	800 mm
578 3054	REMACLEAN HM-F2	1 000 mm
578 1001	REMACLEAN HM-F2	1 200 mm
578 1018	REMACLEAN HM-F2	1 400 mm
578 1025	REMACLEAN HM-F2	1 600 mm
578 1032	REMACLEAN HM-F2	1 800 mm
578 1049	REMACLEAN HM-F2	2 000 mm

BELT CLEANING SYSTEMS  
REMACLEAN – F-Series – for use on pulley

REMACLEAN HM-F2 HR

Special model for use at temperatures up to 120°C.

Ref. No.	Designation	Belt width
578 1221	REMACLEAN HM-F2 HR	500 mm
578 1238	REMACLEAN HM-F2 HR	650 mm
578 1245	REMACLEAN HM-F2 HR	800 mm
578 1269	REMACLEAN HM-F2 HR	1 000 mm
578 1276	REMACLEAN HM-F2 HR	1 200 mm
578 1283	REMACLEAN HM-F2 HR	1 400 mm



REMACLEAN HM-F2 HR

REMACLEAN HM-F2 S

Special version designed for especially hard rock materials. The hard-metal blades contain 2 pcs. hard metals.

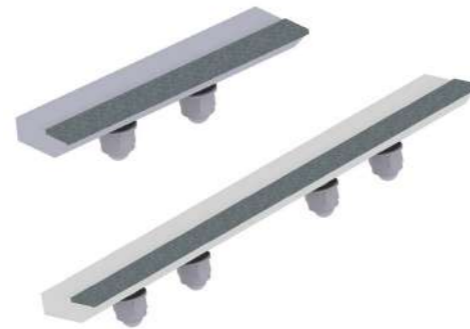
Ref. No.	Designation	Belt width
578 3024	REMACLEAN HM-F2-650 S	650 mm
578 3031	REMACLEAN HM-F2-800 S	800 mm
578 3055	REMACLEAN HM-F2-1000 S	1 000 mm
578 1002	REMACLEAN HM-F2-1200 S	1 200 mm
578 1019	REMACLEAN HM-F2-1400 S	1 400 mm



REMACLEAN HM-F2 S

Spare and wear parts – REMACLEAN HM-F2 / HM-F2 HR

Ref. No.	Designation	Width
578 3250	Hard metal scraper segment HMT-F2/120, middle	120 mm
578 3267	Hard metal scraper segment HMT-F2/120, right	120 mm
578 3274	Hard metal scraper segment HMT-F2/120, left	120 mm
578 0435	Hard metal scraper segment HMT-F2/240, middle	240 mm
578 0442	Hard metal scraper segment HMT-F2/240, right	240 mm
578 0459	Hard metal scraper segment HMT-F2/240, left	240 mm
578 3243	Torsion element HM-F2	
578 3951	Torsion element HM-F2 HR, up to 120°C	
578 3990	Torsion element HM-F2, long	250 mm
578 3991	Torsion element HM-F2, long	250 mm
578 3992	Torsion element HM-F2, long	250 mm



Hard metal scraper segment



Torsion element

REMACLEAN HM-F2 S

Ref. No.	Designation	Width
578 3268	REMACLEAN HMT-F2/120 S right	120 mm
578 3251	REMACLEAN HMT-F2/120 S middle	120 mm
578 3275	REMACLEAN HMT-F2/120 S left	120 mm



Hard metal scraper segment F2 S

REMACLEAN HM-F2 VA

Stainless steel model for corrosive media and the food industry. Material 1.4571 (VA).

Ref. No.	Designation	Belt width
578 0167	REMACLEAN HM-F2 VA	400 mm
578 0174	REMACLEAN HM-F2 VA	500 mm
578 0181	REMACLEAN HM-F2 VA	650 mm
578 0198	REMACLEAN HM-F2 VA	800 mm
578 0215	REMACLEAN HM-F2 VA	1 000 mm
578 0497	REMACLEAN HM-F2 VA	1 200 mm
578 0507	REMACLEAN HM-F2 VA	1 400 mm
578 0514	REMACLEAN HM-F2 VA	1 600 mm



REMACLEAN HM-F2 VA

Spare and wear parts – REMACLEAN HM-F2 VA

Material 1.4571 (VA).

Ref. No.	Designation	Width
578 0222	Hard metal scraper segment HMT-F2 VA, middle	120 mm
578 0239	Hard metal scraper segment HMT-F2 VA, right	120 mm
578 0246	Hard metal scraper segment HMT-F2 VA, left	120 mm
578 0253	Torsion element HM-F2 VA	
578 0980	REMACLEAN HM-F2 Torsion element VA, right	250 mm
578 0981	REMACLEAN HM-F2 Torsion element VA, middle	250 mm
578 0982	REMACLEAN HM-F2 Torsion element VA, left	250 mm



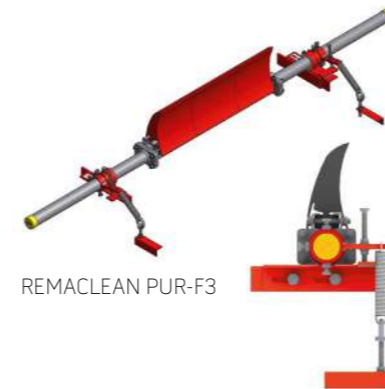
Hard metal scraper segment F2 VA



Torsion element VA

## REMACLEAN PUR-F3 / PUR-F3 MONOBLOCK

Belt scraper system with a polyurethane blade and a spring lever tension unit for the cleaning of conveyor belt top covers at the head pulley. The polyurethane blade is attached to the system support structure yet can revolve around its own axis, if necessary. The scraper blade optimally adjusts to the belt surface and guarantees effective and belt friendly cleaning. Precise contact pressure is achieved by a spring lever tension. The execution of the PUR in blue is suitable for temperatures up to 100°C and 100% humidity.



### Properties

- Highly effective cleaning through perfect adaptation of the polyurethane bar to the belt's surface
- Long service life through the use of highly wear-resistant polyurethane
- Suitable for use with mechanical joints
- Easily fitted and adjusted, low-maintenance due to the use of the tension springs
- Also suited for reverse operation and for use with spherical pulleys
- A version for underground use is also available (ATEX-suitable) as well as a special version in stainless steel
- For belt widths up to 2 200 mm and pulley diameters from 220 up to 500 mm
- Designed for temperature ranges of -40°C to +70°C and belt speeds up to 4.0 m/s
- Special blue version available for temperature up to 120°C and humidity up to 100%.

### Area of application

- Universally applicable as a pre-cleaner or main cleaner for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter, cement and in the chemical industry
- The version with MONOBLOCK-PUR bars is especially recommended for the recycling and paper industry

## REMACLEAN PUR-F3 / PUR-F3 MONOBLOCK

Ref. No.	Designation	Belt width
578 5504	REMACLEAN PUR-F3	500 mm
578 5505	REMACLEAN PUR-F3	650 mm
578 5506	REMACLEAN PUR-F3	800 mm
578 5507	REMACLEAN PUR-F3	1 000 mm
578 5508	REMACLEAN PUR-F3	1 200 mm
578 5509	REMACLEAN PUR-F3	1 400 mm
578 5510	REMACLEAN PUR-F3	1 600 mm
578 5511	REMACLEAN PUR-F3	1 800 mm
578 5512	REMACLEAN PUR-F3	2 000 mm
578 5513	REMACLEAN PUR-F3	2 200 mm
578 6270	REMACLEAN PUR-F3-650 MONOBLOCK	650 mm
578 6271	REMACLEAN PUR-F3-800 MONOBLOCK	800 mm
578 6272	REMACLEAN PUR-F3-1000 MONOBLOCK	1 000 mm
578 6273	REMACLEAN PUR-F3-1200 MONOBLOCK	1 200 mm
578 6274	REMACLEAN PUR-F3-1400 MONOBLOCK	1 400 mm
578 6275	REMACLEAN PUR-F3-1600 MONOBLOCK	1 600 mm

## Spare and wear parts

### REMACLEAN PUR-F3 Red

Ref. No.	Designation	Width
578 5501	PUR-SEGMENT F3	200 mm
578 5502	PUR-SEGMENT F3	300 mm
578 5503	PUR-SEGMENT F3	400 mm
578 5581	PUR-SEGMENT F3 V	300 mm
578 5591	PUR-SEGMENT F3 V	400 mm



### REMACLEAN PUR-F3 MONOBLOCK Red

Ref. No.	Designation	Width
578 1910	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Red	600 mm
578 1911	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Red	700 mm
578 1912	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Red	900 mm
578 1913	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Red	1 100 mm
578 1914	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Red	1 300 mm
578 1915	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Red	1 500 mm



### REMACLEAN PUR-F3 Blue

Blue PUR segments for operating temperature up to 100°C (for a short time 120°C) and 100% relative humidity.

Ref. No.	Designation	Width
578 1950	REMACLEAN SEGMENT PUR-F3 Blue	300 mm
578 1951	REMACLEAN SEGMENT PUR-F3 Blue	400 mm



### REMACLEAN PUR-F3 MONOBLOCK Blue

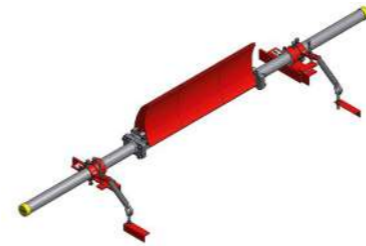
Ref. No.	Designation	Width
578 1940	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Blue	600 mm
578 1941	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Blue	700 mm
578 1942	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Blue	900 mm
578 1943	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Blue	1 100 mm





### REMACLEAN PUR-F4 A / PUR-F4 MONOBLOCK

Primary belt scraper system with a polyurethane blade and a spring lever tension unit for the cleaning of conveyor belt top covers at the head pulley. The polyurethane blade is attached to the system support structure yet can revolve around its own axis, if necessary. The scraper blade optimally adjusts to the belt surface and guarantees effective and belt friendly cleaning. Precise contact pressure is achieved by a spring lever tension unit.



REMACLEAN PUR-F4 A

**Properties**

- Highly effective cleaning through perfect adaptation of the polyurethane bar to the belt's surface
- Long service life through the use of highly wear-resistant polyurethane
- Suitable for use with mechanical joints
- Easily fitted and adjusted, low-maintenance due to the use of the tension springs
- Best used as pre-cleaner for more problematic materials
- Also suited for reverse operation and for use with spherical pulleys
- A version for underground use is also available (ATEX-suitable) as well as a special version in stainless steel
- For belt widths up to 2 400 mm and pulley diameters from 500 up to 1 600 mm
- Designed for temperature ranges of -40°C to +70°C and belt speeds up to 4.0 m/s
- Special blue version available for temperature up to 120°C and humidity up to 100%.

**Area of application**

- Universally applicable as a pre-cleaner or main cleaner for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter, cement and in the chemical industry

### REMACLEAN PUR-F4 A / PUR-F4 MONOBLOCK

Ref. No.	Designation	Belt width
578 5700	REMACLEAN PUR-F4 A	500 mm
578 5710	REMACLEAN PUR-F4 A	650 mm
578 5720	REMACLEAN PUR-F4 A	800 mm
578 5730	REMACLEAN PUR-F4 A	1 000 mm
578 5740	REMACLEAN PUR-F4 A	1 200 mm
578 5750	REMACLEAN PUR-F4 A	1 400 mm
578 5760	REMACLEAN PUR-F4 A	1 600 mm
578 5770	REMACLEAN PUR-F4 A	1 800 mm
578 5780	REMACLEAN PUR-F4 A	2 000 mm
578 5551	REMACLEAN PUR-F4 A	2 200 mm
578 5553	REMACLEAN PUR-F4 A	2 400 mm
578 6280	REMACLEAN PUR-F4 MONOBLOCK	650 mm
578 6281	REMACLEAN PUR-F4 MONOBLOCK	800 mm
578 6282	REMACLEAN PUR-F4 MONOBLOCK	1 000 mm
578 6283	REMACLEAN PUR-F4 MONOBLOCK	1 200 mm
578 6284	REMACLEAN PUR-F4 MONOBLOCK	1 400 mm
578 6285	REMACLEAN PUR-F4 MONOBLOCK	1 600 mm

### Spare and wear parts

#### REMACLEAN PUR-F4 A Red

Ref. No.	Designation	Width
578 5521	Segment PUR-F4	200 mm
578 5522	Segment PUR-F4	300 mm
578 5523	Segment PUR-F4	400 mm
578 5580	Segment PUR-F4 V	300 mm
578 5590	Segment PUR-F4 V	400 mm



578 5522

578 5523

#### REMACLEAN PUR-F4 MONOBLOCK Red

Ref. No.	Designation	Width
578 1910	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Red	600 mm
578 1911	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Red	700 mm
578 1912	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Red	900 mm
578 1913	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Red	1 100 mm
578 1914	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Red	1 300 mm
578 1915	REMACLEAN SEGMENT PUR-F3 MONOBLOCK Red	1 500 mm



578 1932

#### REMACLEAN PUR-F4 Blau

Blue PUR segments for operating temperature up to 100°C (for a short time 120°C) and 100% relative humidity.

Ref. No.	Designation	Width
578 1960	REMACLEAN SEGMENT PUR-F4-300 Blue	300 mm
578 1961	REMACLEAN SEGMENT PUR-F4-400 Blue	400 mm



578 1961

#### REMACLEAN PUR-F4 MONOBLOCK Blau

Ref. No.	Designation	Width
578 1930	REMACLEAN SEGMENT PUR-F4-600 MONOBLOCK Blue	600 mm
578 1931	REMACLEAN SEGMENT PUR-F4-700 MONOBLOCK Blue	700 mm
578 1932	REMACLEAN SEGMENT PUR-F4-900 MONOBLOCK Blue	900 mm
578 1933	REMACLEAN SEGMENT PUR-F4-1100 MONOBLOCK Blue	1 100 mm



578 1932

Spare and wear parts – REMACLEAN PUR-F3/PUR-F4 A

Ref. No.	Designation	Width
578 5541	RC CONSTR.F.PUR-F3/F4-650 w/o PUR blade	650 mm
578 5542	RC CONSTR.F.PUR-F3/F4-800 w/o PUR blade	800 mm
578 5543	RC CONSTR.F.PUR-F3/F4-1000 w/o PUR blade	1000 mm
578 5544	RC CONSTR.F.PUR-F3/F4-1200 w/o PUR blade	1200 mm
578 5545	RC CONSTR.F.PUR-F3/F4-1400 w/o PUR blade	1400 mm
578 5546	RC CONSTR.F.PUR-F3/F4-1600 w/o PUR blade	1600 mm
578 5547	RC CONSTR.F.PUR-F3/F4-1800 w/o PUR blade	1800 mm
578 5548	RC CONSTR.F.PUR-F3/F4-2000 w/o PUR blade	2000 mm
578 5549	RC CONSTR.F.PUR-F3/F4-2200 w/o PUR blade	2200 mm



Ref. No.	Designation
578 4990	Extension piece for steel frame - light for PUR-F3 /PUR-F4 / PUR-F4 A and tensioning unit PUR-F5
578 4991	Extension piece for steel frame - heavy for PUR-F3 /PUR-F4 / PUR-F4 A and tensioning unit PUR-F5
578 4992	Extension piece for steel frame - VA for PUR-F3 /PUR-F4 / PUR-F4 A and tensioning unit PUR-F5



**Note:**  
For special cases use steel construction F3/F4 and complete with suitable PUR Segments PUR-F3 or PUR-F4.

REMACLEAN PUR-F5

Conveyor belt cleaning system with a scraper consisting of polyurethane segments and a lever tensioning system with a compression spring for cleaning the conveyor belt load-bearing side at the head pulley. The individual polyurethane segments are permanently attached to the support. Thanks to a special function, the segments can always move elastically. This allows the segments to contact the conveyor belt surface at the drum optimally and ensures effective and gentle cleaning. The entire scraper strip is exactly pretensioned at one or both sides by means of the lever tensioning unit.

**Properties**

- High cleaning efficiency through perfect adaptation of the polyurethane segments to the belt's surface
- Long service life through the use of highly wear-resistant polyurethane
- Easily fitted and adjusted, low-maintenance
- Each segment is mounted to the system carrier with a quick-tensioning fastener
- Consistent and ideal contact pressure; easily adjustable and, through the length of the cylinder spring, easily definable; a pretension indicator is provided
- Up to a belt width of 1 400 mm pretensioning occurs from only one side
- PUR segments are also available in the natural colour white
- Stainless steel system carrier available
- Segment width of 100 mm
- For belt widths up to 1 600 mm and pulley diameters from 240 up to 800 mm
- Designed for the highest loads with temperature ranges of -40°C to +60°C

REMACLEAN PUR-F5

Ref. No.	Designation	Belt width
578 5600	REMACLEAN PUR-F5	500 mm
578 5610	REMACLEAN PUR-F5	650 mm
578 5620	REMACLEAN PUR-F5	800 mm
578 5630	REMACLEAN PUR-F5	1 000 mm
578 5640	REMACLEAN PUR-F5	1 200 mm
578 5650	REMACLEAN PUR-F5	1 400 mm
578 5651	REMACLEAN PUR-F5	1 600 mm

Spare and wear parts – REMACLEAN PUR-F5

Ref. No.	Designation	Width
578 5660	Segment PUR-F5	100 mm
578 5670	Mounting plate PUR-F5, with bearing	
578 5680	Mounting plate PUR-F5, with bearing and tensioning device	



and belt speeds up to 4.0 m/s

**Area of application**

- Universally applicable as a pre-cleaner or main cleaner for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter, cement and in the chemical industry



578 5670

BELT CLEANING SYSTEMS  
REMACLEAN – F-Series – for use on pulley

REMACLEAN PUR-F6

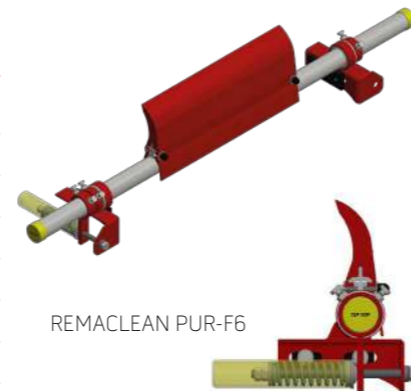
Basic belt cleaning system with a polyurethane scraper (PUR) and a lever tension unit with compression springs for the cleaning of conveyor belt carrying side at the discharge pulley. The scraper contains a mounting rail made of aluminum, for easy fitting on to the system carrier and is connected through a socket pin with the system carrier. The PUR blade adjusts optimally to the belt surface and guarantees effective and belt-friendly cleaning. Precise contact pressure of the whole blade is achieved by a spring lever tension unit.

**Properties**

- Light scraper system for small pulleys and narrow belt widths
- Highly effective cleaning through perfect adaptation of the polyurethane bar to the pulley
- Long service life through the use of highly wear-resistant polyurethane
- Easily fitted and adjusted; Contact pressure with the lever clamping device
- Useable as pre-cleaner or main cleaner
- Also suited for reverse operation
- System carrier is mounted on pivot bearings to ensure good rotational mobility
- For belt widths from 500 mm up to 1.600 mm
- Suitable for pulley diameters from 160 mm up to 630 mm
- Designed for service temperatures from -40°C to 70°C and belt speeds up to 2.5 m/s
- ATEX version on request

**Area of application**

- Developed for light conveying systems and fine-grained material
- Especially recommended for narrow belt widths
- Continuous PUR blade, oil and grease resistant, can be used in the recycling industry



REMACLEAN PUR-F6

Segment PUR-F6

REMACLEAN PUR-F6

Ref. No.	Designation	Belt width
578 6510	REMACLEAN PUR-F6	500 mm
578 6511	REMACLEAN PUR-F6	650 mm
578 6512	REMACLEAN PUR-F6	800 mm
578 6513	REMACLEAN PUR-F6	1 000 mm
578 6514	REMACLEAN PUR-F6	1 200 mm
578 6515	REMACLEAN PUR-F6	1 400 mm
578 6516	REMACLEAN PUR-F6	1 600 mm

Ref. No.	Designation	Width
578 6520	REMACLEAN-SEGMENT PUR-F6	300 mm
578 6521	REMACLEAN-SEGMENT PUR-F6	450 mm
578 6523	REMACLEAN-SEGMENT PUR-F6	750 mm
578 6522	REMACLEAN-SEGMENT PUR-F6	600 mm
578 6524	REMACLEAN-SEGMENT PUR-F6	800 mm
578 6525	REMACLEAN-SEGMENT PUR-F6	950 mm
578 6526	REMACLEAN-SEGMENT PUR-F6	1 000 mm
578 6527	REMACLEAN-SEGMENT PUR-F6	1 150 mm
578 6528	REMACLEAN-SEGMENT PUR-F6	1 200 mm
578 6529	REMACLEAN-SEGMENT PUR-F6	1 350 mm
578 6530	REMACLEAN-SEGMENT PUR-F6	1 400 mm
578 6531	REMACLEAN-SEGMENT PUR-F6	1 550 mm

BELT CLEANING SYSTEMS  
REMACLEAN – F-Series – for use on pulley

REMACLEAN PUR-F7

Heavy version of belt cleaning system with scraper made of polyurethane segments and a lever tension unit with compression springs for the cleaning of conveyor belt carrying side at the discharge pulley. The PUR blade consists of several segments, which are each fastened with a clamping plate on to the system carrier. The scraper blade adjusts well to the belt surface and guarantees effective and belt-friendly cleaning. Precise contact pressure of the whole blade is achieved by a spring lever tension unit.



REMACLEAN PUR-F7

**Properties**

- Heavy duty version for pulley diameters from 630 mm and belt widths from 1000 mm
- Highly effective cleaning through perfect adaptation of the polyurethane bar to the pulley
- Long service life through the use of highly wear-resistant polyurethane
- Easily fitted and adjusted; Contact pressure with the lever clamping device
- Recommended as pre - cleaning system at high flow rates
- Also suited for reverse operation
- System carrier is mounted on pivot bearings to ensure good rotational mobility

- For belt widths from 1000 mm up to 2.400 mm
- Suitable for pulley diameters from 630 mm up to 1.600 mm
- Designed for service temperatures from -40°C to 70°C and belt speeds up to 6.5 m/s

**Area of application**

- Designed for heavy duty conveying systems and coarse material
- Universally applicable to all types of materials
- Recommended for use in opencast mines, ore mines, transshipment ports etc.
- Particularly suitable for large belt widths

REMACLEAN PUR-F7

Ref. No.	Designation	Belt width
578 6671	REMACLEAN PUR-F7	1 000 mm
578 6672	REMACLEAN PUR-F7	1 200 mm
578 6673	REMACLEAN PUR-F7	1 400 mm
578 6674	REMACLEAN PUR-F7	1 600 mm
578 6675	REMACLEAN PUR-F7	1 800 mm
578 6676	REMACLEAN PUR-F7	2 000 mm
578 6677	REMACLEAN PUR-F7	2 200 mm
578 6678	REMACLEAN PUR-F7	2 400 mm

Spare and wear parts – REMACLEAN PUR-F7

Ref. No.	Designation	Width
578 6670	REMACLEAN-SEGMENT PUR-F7	153 mm



### REMACLEAN PUR-F300

REMACLEAN PUR-F300 is intended for pre-cleaning at the discharge pulley for pulley diameters from 630 mm and up. The individual polyurethane segments are solidly connected to the carrier. Due to a special function, the segments are more flexible. Thus the segments adapt themselves perfectly to the belt's surface at the pulley and ensure effective and gentle cleaning. Through the contact pressure device the entire scraper bar with the PUR-segments is precisely pre-tensioned from either one, or both sides.



REMACLEAN PUR-F300

#### Properties

- High cleaning efficiency through perfect adaptation of the polyurethane segments (individually mounted) to the belt's surface
- Long service life through the use of highly wear-resistant polyurethane
- Each segment is equipped with a supporting spring and can thus function in a dynamic manner; height differences are compensated for
- Segment widths of 200 mm and 300 mm
- Easily fitted and adjusted, low-maintenance
- Consistent and ideal contact pressure; easily adjustable and, through the length of the cylinder springs, easily definable
- The segment carrier has a very strong design for the highest loads (box profile)
- Also suitable for reverse operation

- Run-off aprons at the back of the PURsegments protect the carrier body
- Designed for pulley diameters from 630 mm and belt speeds up to 6.5 m/s

#### Area of application

- Suitable for large conveyor systems
- Universally applicable for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter and cement

### REMACLEAN PUR-F300

Ref. No.	Designation	Belt width
578 5843	REMACLEAN PUR-F300	900 mm
578 5842	REMACLEAN PUR-F300	1 000 mm
578 5841	REMACLEAN PUR-F300	1 200 mm
578 5840	REMACLEAN PUR-F300	1 400 mm
578 5291	REMACLEAN PUR-F300	1 600 mm
578 5290	REMACLEAN PUR-F300	1 800 mm
578 5280	REMACLEAN PUR-F300	2 000 mm

### Spare and wear parts – REMACLEAN PUR-F300

Ref. No.	Designation	Width
578 5850	Segment PUR-F300	200 mm
578 5860	Segment PUR-F300	300 mm



### REMACLEAN PUR-F400

REMACLEAN PUR-F400 is intended for pre-cleaning at the discharge pulley for pulley diameters from 1 000 mm and up. The individual polyurethane segments are solidly connected to the carrier. Due to a special function, the segments are more flexible. Thus the segments adapt themselves perfectly to the belt's surface at the pulley and ensure effective and gentle cleaning. Through the contact pressure device the entire scraper bar with the PUR segments is precisely pre-tensioned from either one, or both sides.



REMACLEAN PUR-F400

#### Properties

- High cleaning efficiency through perfect adaptation of the polyurethane segments (individually mounted) to the belt's surface
- Long service life through the use of highly wear-resistant polyurethane
- Each segment is equipped with a supporting spring and can thus function in a dynamic manner; height differences are compensated for
- Segment widths of 200 mm and 300 mm
- Easily fitted and adjusted, low-maintenance
- Consistent and ideal contact pressure; easily adjustable and, through the length of the cylinder springs, easily definable
- The segment carrier has a very strong design for the highest loads (box profile)
- Also suitable for reverse operation
- Run-off aprons at the back of the PURsegments protect the carrier body
- Designed for pulley diameters from 1 000 mm
- For belt speed up to 9.0 m/s

#### Area of application

- Suitable for large conveyor systems
- Universally applicable for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter and cement

### REMACLEAN PUR-F400

Ref. No.	Designation	Belt width
578 6080	REMACLEAN PUR-F400	1 600 mm
578 6081	REMACLEAN PUR-F400	1 800 mm
578 6110	REMACLEAN PUR-F400	2 000 mm
578 6120	REMACLEAN PUR-F400	2 200 mm
578 6121	REMACLEAN PUR-F400	2 400 mm

### Spare and wear parts – REMACLEAN PUR-F400

Ref. No.	Designation	Width
578 6090	Segment PUR-F400	200 mm
578 6100	Segment PUR-F400	300 mm



## BELT CLEANING SYSTEMS

### REMACLEAN – F-Series – for use on pulley in large conveyor systems

#### REMACLEAN PUR-F500

REMACLEAN PUR-F500 is optimally suited for the cleaning of the carrier-side of belts in large systems with belt speeds of up to 10 m/s. The individual segments of the system are solidly connected to the carrier body, yet mounted in such a way that they have flexible movement. This enables them to adapt perfectly to the belt's surface and ensure effective and gentle cleaning.



REMACLEAN PUR-F500

#### Properties

- High cleaning efficiency through perfect adaptation of the PUR segments (individually mounted) to the belt's surface
- Long service life of the individual segments through the use of highly wear resistant polyurethane
- Each segment is equipped with supporting springs, and can thus work in a dynamic manner

- Easy fitment and adjustment, low maintenance
- Consistent and ideal contact pressure; easily adjustable and, through the length of the cylinder springs, easily definable
- Carrier body has a very strong design in order to cope with the highest loads (box profile)
- Run-off aprons at the back of the PUR segments protect the carrier body
- Designed for belt speeds up to 10 m/s

#### Area of application

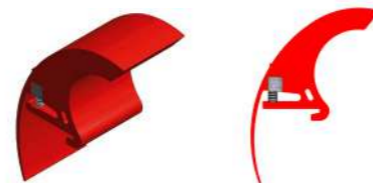
- Suitable for large conveyor systems
- Universally applicable for many types of materials such as sand, gravel, hard coal, lignite and ores

#### REMACLEAN PUR-F500

Ref. No.	Designation	Belt width
578 5910	REMACLEAN PUR-F500, 4 segments	1 400 mm
578 5920	REMACLEAN PUR-F500, 4 segments	1 400 mm
578 5571	REMACLEAN PUR-F500, 4 segments	1 600 mm
578 5572	REMACLEAN PUR-F500, 5 segments	1 600 mm
578 5573	REMACLEAN PUR-F500, 5 segments	1 600 mm
578 5930	REMACLEAN PUR-F500, 5 segments	1 800 mm
578 5870	REMACLEAN PUR-F500, 6 segments	2 000 mm
578 5570	REMACLEAN PUR-F500, 6 segments	2 200 mm
578 5940	REMACLEAN PUR-F500, 7 segments	2 200 mm
578 5950	REMACLEAN PUR-F500, 7 segments	2 400 mm
578 5960	REMACLEAN PUR-F500, 8 segments	2 600 mm
578 5970	REMACLEAN PUR-F500, 8 segments	2 800 mm
578 5980	REMACLEAN PUR-F500, 9 segments	2 800 mm
578 5990	REMACLEAN PUR-F500, 9 segments	3 000 mm

#### Spare and wear parts – REMACLEAN PUR-F500

Ref. No.	Designation	Width
578 5900	Segment PUR-F500	300 mm



## BELT CLEANING SYSTEMS

### REMACLEAN – U-Series – for use on belt

#### REMACLEAN HM-U1

REMACLEAN HM-U1 is a belt cleaning system for belt return side applications consisting of tungsten carbide segments. The solid design of the support tube, where the tungsten carbide segments are mounted, and the spindle-type tension unit allows the system to be used for belt speeds up to 6.5 m/s. The design of the carbide blade perfectly adjusts to the belt, thus providing an effective and belt-friendly cleaning. The design of the carbide blade, as well as its anti-caking coating made of polyethylene, guarantee extended service life and high reliability.



REMACLEAN HM-U1

#### Properties

- Effective cleaning performance
- Long service life through the use of highly wear resistant carbide
- Modular design consisting of the system suspension tube, carbide-blades (HMT) with PE-deflector plate, suspension tube extensions and spindle sets with torsional thrust bearing
- Consistent and ideal contact pressure; easily adjustable and easily readable on the pre-tension indicator
- Flange connection for easy and quick installation and de-installation
- Spindle sets can be mounted on the inside and outside of the conveyor belt construction

- Protection of the belt edges through sunken outer carbide-carriers (HMT)
- Can be upgraded for reverse operation
- For belt widths up to 2 400 mm
- Designed for service temperatures from -40°C to +80°C and belt speeds up to 6.5 m/s
- Special versions available for service temperatures up to 120°C and also made from stainless steel

#### Area of application

- Universally applicable for the fine cleaning for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter, cement, clay, refuse and gypsum

#### REMACLEAN HM-U1

Ref. No.	Designation	Belt width
578 9137	REMACLEAN HM-U1	400 mm
578 9144	REMACLEAN HM-U1	500 mm
578 9151	REMACLEAN HM-U1	650 mm
578 9168	REMACLEAN HM-U1	800 mm
578 9182	REMACLEAN HM-U1	1 000 mm
578 9199	REMACLEAN HM-U1	1 200 mm
578 9209	REMACLEAN HM-U1	1 400 mm
578 9216	REMACLEAN HM-U1	1 600 mm
578 9223	REMACLEAN HM-U1	1 800 mm
578 9230	REMACLEAN HM-U1	2 000 mm
578 9247	REMACLEAN HM-U1	2 200 mm
578 9254	REMACLEAN HM-U1	2 400 mm

Spare and wear parts – REMACLEAN HM-U1

Ref. No.	Designation	Width
578 9326	Hard metal scraper segment HMT-U1, with PE skirting, center	120 mm
578 9333	Hard metal scraper segment HMT-U1, with PE skirting, right	120 mm
578 9340	Hard metal scraper segment HMT-U1, with PE skirting, left	120 mm



Hard metal scraper segment HMT-U1

Accessories – REMACLEAN HM-U1

Ref. No.	Designation	for Belt width	Content
578 9371	Hard metal scraper segment HMT-U1, without PE skirting, 120 mm		50
578 9508	Reversing stop set	400 - 650 mm	
578 9515	Reversing stop set	800 - 1 000 mm	
578 9522	Reversing stop set	1 200 - 2 200 mm	
578 9539	Reversing stop set	from 1 600 mm	
578 9845	Step tread set, with fastening elements	400 - 800 mm	2



Reversing stop

REMACLEAN HM-U1 HR

Special versions for service temperatures up to 120°C. Belt widths (> 1 200 mm) are available on request.

Ref. No.	Designation	Belt width
578 3281	REMACLEAN HM-U1 HR	400 mm
578 3298	REMACLEAN HM-U1 HR	500 mm
578 3308	REMACLEAN HM-U1 HR	650 mm
578 3315	REMACLEAN HM-U1 HR	800 mm
578 3322	REMACLEAN HM-U1 HR	900 mm
578 3339	REMACLEAN HM-U1 HR	1 000 mm
578 3340	REMACLEAN HM-U1 HR	1 200 mm



REMACLEAN HM-U1 HR

Spare and wear parts – REMACLEAN HM-U1 HR

Ref. No.	Designation	Width
578 9807	Hard metal scraper segment HMT-U1 HR, with VA skirting, center	120 mm
578 9814	Hard metal scraper segment HMT-U1 HR, with VA skirting, right	120 mm
578 9821	Hard metal scraper segment HMT-U1 HR, with VA skirting, left	120 mm



Hard metal scraper segment HMT-U1 HR

REMACLEAN HM-U1 VA

Special versions for the chemical and food industry. Material 1.4571 (VA).

Ref. No.	Designation	Belt width
578 5210	REMACLEAN HM-U1 VA	500 mm
578 5227	REMACLEAN HM-U1 VA	650 mm
578 5234	REMACLEAN HM-U1 VA	800 mm
578 5258	REMACLEAN HM-U1 VA	1 000 mm
578 5260	REMACLEAN HM-U1 VA	1 200 mm



REMACLEAN HM-U1 VA

Spare and wear parts – REMACLEAN HM-U1 VA

Material 1.4571 (VA).

Ref. No.	Designation
578 9883	Hard metal scraper segment HMT-U1 VA, with VA skirting, center
578 9890	Hard metal scraper segment HMT-U1 VA, with VA skirting, right
578 9900	Hard metal scraper segment HMT-U1 VA, with VA skirting, left



Hard metal scraper segment HMT-U1 VA

BELT CLEANING SYSTEMS  
REMACLEAN – U-Series – for use on belt

REMACLEAN HM-U2

REMACLEAN HM-U2 is a belt scraper system for belt return side applications with a tungsten carbide blade. The solid design of the support tube, where the tungsten carbide blade is mounted, allows the system to be used for belt speeds up to 6.5 m/s. The tungsten carbide blade optimally adjusts to the belt surface and guarantees effective and belt friendly cleaning. The design of the scraper blade and the anti caking coating made of highly wear resistant REMATHAN ensure long service life and high reliability.

Properties

- Effective cleaning performance
- Long service life through the use of highly wear resistant carbide and low-friction anti-caking coatings
- Modular design consisting of the system suspension tube, carbide-blade, suspension tube extension and spindle sets with torsional thrust bearing
- Flange connection for easy and quickfitment
- Easily fitted and adjusted, low-maintenance due to the use of a spindle contact device with torsion elements and a pretension indicator
- Spindle sets can be mounted on the inside and outside of the conveyor belt construction
- Consistent and ideal contact pressure, which is easily adjustable and readable on the pre-tension indicator

- The highly wear-resistant REMATHAN sliding units on the front of the carbidebar ensures accumulation-free removal of the material
- Protection of the belt edges through sunken outer carbide-blade
- Can be upgraded for reverse operation
- Very robust polyurethane skirting
- One-piece blade
- For belt widths up to 2 200 mm
- Designed for service temperatures from -40°C to +80°C and belt speeds up to 6.5 m/s

Area of application

- Universally applicable for the fine cleaning for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter, cement, clay, refuse and gypsum



REMACLEAN HM-U2



REMACLEAN HM-U2

Ref. No.	Designation	Belt width
578 9278	REMACLEAN HM-U2	500 mm
578 9285	REMACLEAN HM-U2	650 mm
578 9292	REMACLEAN HM-U2	800 mm
578 0112	REMACLEAN HM-U2	1 000 mm
578 0920	REMACLEAN HM-U2	1 200 mm
578 0930	REMACLEAN HM-U2	1 400 mm
578 0931	REMACLEAN HM-U2	1 600 mm
578 0932	REMACLEAN HM-U2	1 800 mm
578 0933	REMACLEAN HM-U2	2 000 mm
578 0934	REMACLEAN HM-U2	2 200 mm

BELT CLEANING SYSTEMS  
REMACLEAN – U-Series – for use on belt

Spare and wear parts – REMACLEAN HM-U2

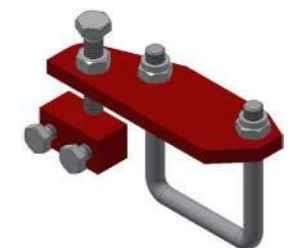
Ref. No.	Designation	For belt width
578 9412	Hard metal scraper segment HMT-U2	500 mm
578 9429	Hard metal scraper segment HMT-U2	650 mm
578 9436	Hard metal scraper segment HMT-U2	800 mm
578 0136	Hard metal scraper segment HMT-U2	1 000 mm
578 0140	Hard metal scraper segment HMT-U2	1 200 mm
578 0150	Hard metal scraper segment HMT-U2	1 400 mm
578 0950	Hard metal scraper segment HMT-U2	1 600 mm
578 0951	Hard metal scraper segment HMT-U2	1 800 mm
578 0952	Hard metal scraper segment HMT-U2	2 000 mm



Hard metal scraper segment HMT-U2

Accessories – REMACLEAN HM-U2

Ref. No.	Designation	For belt width
578 9508	Reversing stop set	400 - 650 mm
578 9515	Reversing stop set	800 - 1 000 mm
578 9522	Reversing stop set	1 200 - 2 200 mm
578 9845	Step tread set, with fastening elements	400 - 800 mm



Reversing stop

BELT CLEANING SYSTEMS  
REMACLEAN – U-Series – for use on belt

REMACLEAN HM-U3

REMACLEAN HM-U3 is a belt scraper system for belt return side applications with a tungsten carbide blade featuring a low installation height and tension unit INNOVATION. The tungsten carbide blade optimally adjusts to the belt and therefore guarantees effective and belt friendly cleaning. The design of the tungsten carbide blade as well as the multi layer anti-caking coating guarantees long service life and high reliability. The tension unit INNOVATION allows continuous calibration of the contact pressure and fits various installation situations.



REMACLEAN HM-U3

**Properties**

- Effective cleaning performance
  - Long service life through the use of highly wear resistant carbide
  - Protection of the belt surface edges through sunken outer carbide-blade
  - Easily fitted and adjusting of the system due to the use of the tension unit INNOVATION with torsion elements and a pretension indicator
  - Spindle sets can be mounted on the inside and outside of the conveyor belt construction
  - Low-maintenance
  - Requires little space due to the compact carbide-blade
  - Automatic system readjustment
- Tension unit INNOVATION with accurate micro-adjustment of the contact pressure
  - Integrated scraper bar tilt-adjustment
  - REMA-REPCOAT SL non-stick coating on the carbide-bar's off-flow side
  - Can be upgraded for reverse operation
  - For belt widths up to 1 200 mm
  - Designed for service temperatures from -40°C to +80°C and belt speeds up to 4.0 m/s

**Area of application**

- Universally applicable for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter, cement, clay, refuse and gypsum

REMACLEAN HM-U3

Ref. No.	Designation	Belt width
578 8900	REMACLEAN HM-U3	400 mm
578 8910	REMACLEAN HM-U3	500 mm
578 8920	REMACLEAN HM-U3	650 mm
578 8930	REMACLEAN HM-U3	800 mm
578 8940	REMACLEAN HM-U3	1 000 mm
578 8950	REMACLEAN HM-U3	1 200 mm

BELT CLEANING SYSTEMS  
REMACLEAN – U-Series – for use on belt

Spare and wear parts – REMACLEAN HM-U3

Ref. No.	Designation	Belt width
578 2010	REMACLEAN HML	400 mm
578 2020	REMACLEAN HML	500 mm
578 2030	REMACLEAN HML	650 mm
578 2040	REMACLEAN HML	800 mm
578 2060	REMACLEAN HML	1 000 mm
578 2070	REMACLEAN HML	1 200 mm



REMACLEAN HML



### REMACLEAN HM-U7

Belt cleaning system for belt return side applications with elastically supported tungsten carbide blades and a spindle-type tension unit. High cleaning efficiency and long service life due to the high-quality of the carbides. Good adaptability to the conveyor belt through flexibly mounted and overlapping of the blades. Belt-protective scraper system through the segment blades dragging function.



REMACLEAN HM-U7

#### Properties

- Belt friendly cleaning achieved by the sagging function of the blade segments
- The tungsten carbide segments manufactured from stainless steel are individually supported, can adapt dynamically in the running direction of the belt and move 180° on its own axis
- Modular system composed of system suspension tube, carbide-blades, polyurethane deflector
- Consistent and ideal contact pressure, which is easily adjustable by using the torsion tension unit with spindle adjustment
- No tools needed for segment fitment - exchange due to clamping fastener
- Not suitable for reverse operation
- „MF“ version is suitable for the use with mechanical joints
- „V“ version is suitable for ATEX applications (in that case assembly feet are black)
- For belt widths up to 1 400 mm

- Designed for service temperatures from -40°C to +70°C and belt speeds up to 4.0 m/s

#### Area of application

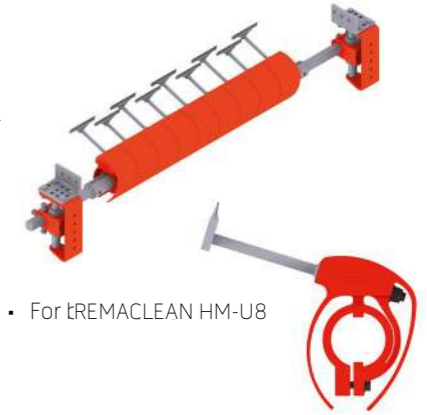
- Universally applicable for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter, cement, conditioned refuse and dry gypsum

### REMACLEAN HM-U7

Ref. No.	Designation	Belt width
578 9300	REMACLEAN HM-U7	400 mm
578 9301	REMACLEAN HM-U7	500 mm
578 9302	REMACLEAN HM-U7	650 mm
578 9303	REMACLEAN HM-U7	800 mm
578 9304	REMACLEAN HM-U7	1 000 mm
578 9305	REMACLEAN HM-U7	1 200 mm
578 9306	REMACLEAN HM-U7	1 400 mm
578 8990	REMACLEAN HM-U7 LONG (310/335 mm)	400 mm
578 8991	REMACLEAN HM-U7 LONG (310/335 mm)	500 mm
578 8992	REMACLEAN HM-U7 LONG (310/335 mm)	650 mm
578 8993	REMACLEAN HM-U7 LONG (310/335 mm)	800 mm
578 8994	REMACLEAN HM-U7 LONG (310/335 mm)	1 000 mm
578 8995	REMACLEAN HM-U7 LONG (310/335 mm)	1 200 mm
578 8996	REMACLEAN HM-U7 LONG (310/335 mm)	1 400 mm
578 8970	REMACLEAN HM-U7 MF	400 mm
578 8971	REMACLEAN HM-U7 MF	500 mm
578 8972	REMACLEAN HM-U7 MF	650 mm
578 8973	REMACLEAN HM-U7 MF	800 mm
578 8974	REMACLEAN HM-U7 MF	1 000 mm
578 8975	REMACLEAN HM-U7 MF	1 200 mm

### REMACLEAN HM-U8

Belt scraper system for belt return side applications with elastically supported tungsten carbide blades and a spindle-type tension unit with reinforcement bracket, designed for heavy-duty conditions. High cleaning efficiency and long service life due to the high-quality of the carbides. Good adaptability to the conveyor belt through flexibly mounted and overlapping of the blades. Belt-protective scraper system through the segment blades dragging function.



#### Properties

- Belt friendly cleaning achieved by the sagging function of the blade segments
- The tungsten carbide segments manufactured from stainless steel are individually supported, can adapt dynamically in the running direction of the belt and move 180° on its own axis
- Modular system composed of system suspension tube, carbide-blades, PUR assembly foot and spindle tensioning device with brace
- Consistent and ideal contact pressure, which is easily adjustable by using the torsion tension unit with spindle adjustment
- No tools needed for segment fitment - exchange due to clamping fastener
- Not suitable for reverse operation
- „MF“ version is suitable for the use with mechanical joints
- „V“ version is suitable for ATEX applications (in that case assembly feet are black)
- Version with PUR segment foot with screw mounting available

- For REMACLEAN HM-U8
- Designed for service temperatures from -40°C to +70°C and belt speeds up to 6.5 m/s

#### Area of application

- Universally applicable for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter, cement,

### REMACLEAN HM-U8

Ref. No.	Designation	Belt width
578 9310	REMACLEAN HM-U8	800 mm
578 9311	REMACLEAN HM-U8	1 000 mm
578 9312	REMACLEAN HM-U8	1 200 mm
578 9313	REMACLEAN HM-U8	1 400 mm
578 9314	REMACLEAN HM-U8	1 600 mm
578 9315	REMACLEAN HM-U8	1 800 mm
578 9316	REMACLEAN HM-U8	2 000 mm
578 9317	REMACLEAN HM-U8	2 200 mm
578 8980	REMACLEAN HM-U8 MF	800 mm
578 8981	REMACLEAN HM-U8 MF	1 000 mm
578 8982	REMACLEAN HM-U8 MF	1 200 mm
578 8983	REMACLEAN HM-U8 MF	1 400 mm
578 8984	REMACLEAN HM-U8 MF	1 600 mm
578 8985	REMACLEAN HM-U8 MF	1 800 mm
578 9450	REMACLEAN HM-U8 MF V, with ATEX approval	800 mm
578 9451	REMACLEAN HM-U8 MF V, with ATEX approval	1 000 mm
578 9452	REMACLEAN HM-U8 MF V, with ATEX approval	1 200 mm
578 9453	REMACLEAN HM-U8 MF V, with ATEX approval	1 400 mm
578 9454	REMACLEAN HM-U8 MF V, with ATEX approval	1 600 mm

BELT CLEANING SYSTEMS  
REMACLEAN – U-Series – for use on belt

Spare and wear parts – REMACLEAN HM-U7 / HM-U8

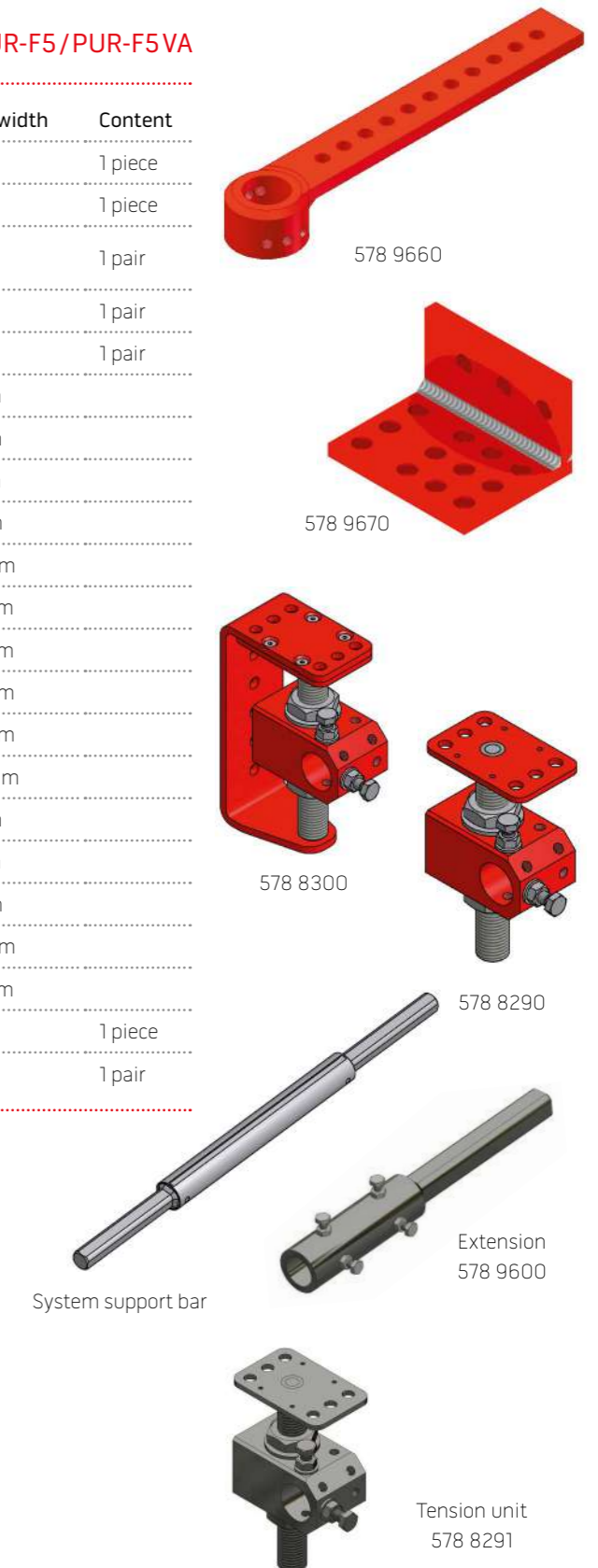
Ref. No.	Designation	Length
578 9441	Blade SP-U7/U8-210 Only round bar with hard metal blade.	210 mm
578 9440	Segment SEG+SP-U7-210 With hard metal blade and red polyurethane base, industrial version.	210 mm
578 9442	Blade SP-U7/U8-235 Only round bar with hard metal blade.	235 mm
578 9443	Segment SEG+SP-U7-235 With hard metal blade and red polyurethane base, industrial version.	235 mm
578 8550	Blade SP-U7/U8-310 Only round bar with hard metal blade.	310 mm
578 8551	Segment SEG+SP-U7/U8-310 With hard metal blade and red polyurethane base, industrial version.	310 mm
578 8560	Blade SP-U7/U8-335 Only round bar with hard metal blade.	335 mm
578 8561	Segment SEG+SP-U7/U8-335 With hard metal blade and red polyurethane base, industrial version.	335 mm
578 9460	Blade SP-U7/U8-210 MF Only round bar with impact-proof metal blade.	210 mm
578 9540	Segment SEG+SP-U7-210 MF With impact-proof hard metal blade and red polyurethane base, industrial version.	210 mm
578 9470	Segment SEG+SP-U7-210 MF V With impact-proof metal blade and black polyurethane base, ATEX version.	210 mm
578 9480	Blade SP-U7/U8-235 MF Only round bar with impact-proof hard metal blade.	235 mm
578 9550	Segment SEG+SP-U7-235 MF With impact-proof hard metal blade and red polyurethane base, industrial version.	235 mm
578 9490	Segment SEG+SP-U7-235 MF V With impact-proof hard metal blade and black polyurethane base, ATEX version.	235 mm
578 7750	Segment SEG+SP-U8-210	210 mm
578 7760	Segment SEG+SP-U8-210 MF	210 mm
578 7770	Segment SEG+SP-U8-210 MF V	210 mm
578 7780	Segment SEG+SP-U8-235	235 mm
578 7790	Segment SEG+SP-U8-235 MF	235 mm
578 7800	Segment SEG+SP-U8-235 MF V	235 mm



BELT CLEANING SYSTEMS  
REMACLEAN – U-Series – for use on belt

Accessories – REMACLEAN HM-U7 / HM-U8 / HM-U11R / PUR-F5 / PUR-F5 VA

Ref. No.	Designation	For belt width	Content
578 9660	Off-set arm HM-U7/U8		1 piece
578 9610	Clamping spindle HM-U7/U8		1 piece
578 9670	Mounting bracket HM-U7/U8, hot-dip galvanized, with mounting screws		1 pair
578 8290	Tension unit HM-U7		1 pair
578 8300	Tension unit HM-U8/U11 R		1 pair
578 8160	System support bar HM-U7/U8/U11/PUR-F5	400 mm	
578 8170	System support bar HM-U7/U8/U11/PUR-F5	500 mm	
578 8180	System support bar HM-U7/U8/U11/PUR-F5	650 mm	
578 8190	System support bar HM-U7/U8/U11/PUR-F5	800 mm	
578 8200	System support bar HM-U7/U8/U11/PUR-F5	1 000 mm	
578 8210	System support bar HM-U7/U8/U11/PUR-F5	1 200 mm	
578 8220	System support bar HM-U7/U8/U11/PUR-F5	1 400 mm	
578 8230	System support bar HM-U7/U8/U11/PUR-F5	1 600 mm	
578 8240	System support bar HM-U7/U8/U11/PUR-F5	1 800 mm	
578 8250	System support bar HM-U7/U8/U11/PUR-F5	2 000 mm	
578 6140	System support bar HM-U7/U8/PUR-F5 VA	500 mm	
578 6150	System support bar HM-U7/U8/PUR-F5 VA	650 mm	
578 6160	System support bar HM-U7/U8/PUR-F5 VA	800 mm	
578 6170	System support bar HM-U7/U8/PUR-F5 VA	1 000 mm	
578 6180	System support bar HM-U7/U8/PUR-F5 VA	1 200 mm	
578 9600	Extension - System support bar		1 piece
578 8291	Tension unit HM-U7 in VA (INOX)		1 pair



BELT CLEANING SYSTEMS  
REMACLEAN – U-Series – for use on belt

REMACLEAN HM-U9

Belt scraper system for belt return side applications with elastically supported tungsten carbide blades and a spindle-type tension unit. Comparable to HM-U6 but a more robust design. High cleaning efficiency and long service life through high-quality of the carbides. Good adaptability to the conveyor belt through flexible mounted blade segments.

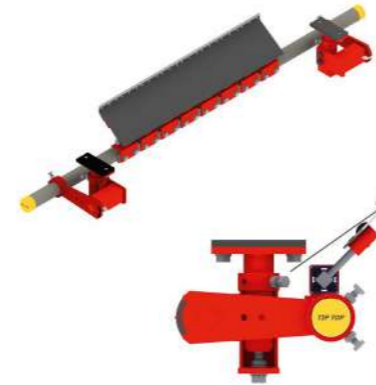
**Properties**

- Belt friendly cleaning achieved by the sagging function of the blade segments
- The tungsten carbide segments manufactured from stainless steel are individually supported, can adapt dynamically in the running direction of the belt and move 180° on its own axis
- Modular system consisting of a robust system suspension tube, carbide scrapers with PU deflectors and spindle with torsional thrust bearing
- Robust sliding deflectors made from polyethylene for the highest loads
- Low-maintenance

- Consistent and ideal contact pressure, which is easily adjustable
- Not suitable for reverse operation
- For belt widths up to 2 000 mm
- Designed for service temperatures from -40°C to +70°C and belt speeds up to 6.5 m/s

**Area of application**

- Universally applicable for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter, cement, clay, conditioned refuse and gypsum



REMACLEAN HM-U9

REMACLEAN HM-U9

Ref. No.	Designation	Belt width
578 9345	REMACLEAN HM-U9	650 mm
578 9346	REMACLEAN HM-U9	800 mm
578 9348	REMACLEAN HM-U9	1 000 mm
578 9349	REMACLEAN HM-U9	1 200 mm
578 9350	REMACLEAN HM-U9	1 400 mm
578 9351	REMACLEAN HM-U9	1 600 mm
578 9352	REMACLEAN HM-U9	1 800 mm
578 9353	REMACLEAN HM-U9	2 000 mm

BELT CLEANING SYSTEMS  
REMACLEAN – U-Series – for use on belt

REMACLEAN HM-U10

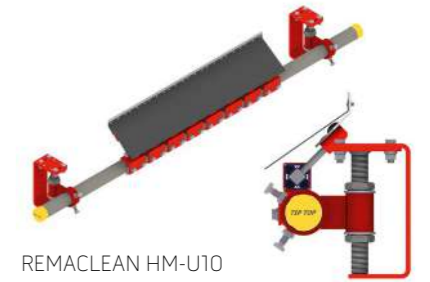
Belt scraper system for belt return side applications with elastically supported tungsten carbide blades and a spindle-type tension unit. Comparable to HM-U9 but with a spindle tensioning device. High cleaning efficiency and long service life through high-quality of the carbides. Good adaptability to the conveyor belt through flexible mounted blade segments.

**Properties**

- Belt friendly cleaning achieved by the sagging function of the blade segments
- The tungsten carbide segments manufactured from stainless steel are individually supported, can adapt dynamically in the running direction of the belt and move 180° on its own axis
- Modular system composed of a robust system suspension tube, carbide-blades with apron made from

polyurethane and spindle tensioning device

- Robust sliding deflectors made from polyethylene for the highest loads
- Consistent and ideal contact pressure, which is easily adjustable
- Low-maintenance
- Not suitable for reverse operation
- For belt widths up to 2 400 mm
- Designed for service temperatures from -40°C to +70°C and belt speeds up to 6.5 m/s



REMACLEAN HM-U10

**Area of application**

- Universally applicable for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter, cement, clay, conditioned refuse and gypsum

REMACLEAN HM-U10

Ref. No.	Designation	Belt width
578 1550	REMACLEAN HM-U10	400 mm
578 1551	REMACLEAN HM-U10	500 mm
578 1552	REMACLEAN HM-U10	650 mm
578 1553	REMACLEAN HM-U10	800 mm
578 1555	REMACLEAN HM-U10	1 000 mm
578 1556	REMACLEAN HM-U10	1 200 mm
578 1560	REMACLEAN HM-U10	1 400 mm
578 1570	REMACLEAN HM-U10	1 600 mm
578 1580	REMACLEAN HM-U10	1 800 mm
578 1581	REMACLEAN HM-U10	2 000 mm
578 1582	REMACLEAN HM-U10	2 200 mm
578 1583	REMACLEAN HM-U10	2 400 mm

Spare and wear parts – REMACLEAN HM-U10

Ref. No.	Designation	Width
578 3638	Hard metal scraper segment HMT-U1 S, U9, U10, center	120 mm
578 1100	Hard metal scraper segment HMT-U1 S, U9, U10, right	120 mm
578 1090	Hard metal scraper segment HMT-U1 S, U9, U10, left	120 mm
578 3610	Torsion element for HM-U9/HM-U10	



Hard metal scraper segment



Torsion element 578 3610

BELT CLEANING SYSTEMS  
REMACLEAN – U-Series – for use on belt

REMACLEAN HM-U11 R - 70 / HM-U11 R - 85

Belt scraper system for belt return side applications with elastically supported tungsten carbide blades and a spindle-type tension unit suited for reverse operation. High cleaning efficiency and long service life through high-quality of the carbides. Good adaptability to the conveyor belt through flexible mounted blade segments.

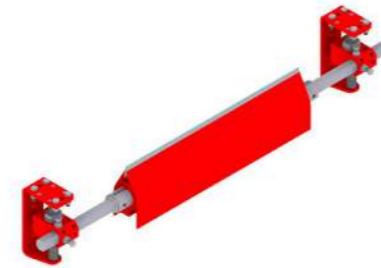
**Properties**

- Belt friendly cleaning achieved by the sagging function of the blade segments
- The tungsten carbide segments manufactured from stainless steel are individually supported, can adapt dynamically in the running direction of the belt and move 180° on its own axis
- Modular system consisting of a robust system suspension tube, carbide blades, foot made from soft Polyurethane and a spindle mounting system
- Robust sliding deflectors made from polyethylene for the highest loads
- Consistent and ideal contact pressure, which is easily adjustable
- Low-maintenance
- System carrier is protected with sliding aprons of the PUR foot

- Version with PUR segment foot with screw mounting available
- Particularly suited for reverse operation
- For belt widths up to 2 000 mm
- Designed for service temperatures from -40°C to +70°C and belt speeds for HMU11 R - 70 up to 3.5 m/s; HM-U11 R - 85 up to 6.5 m/s

**Area of application**

- Universally applicable for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter, cement, clay, conditioned refuse and gypsum



REMACLEAN HM-U11 R - 70

REMACLEAN HM-U11 R - 70

Belt speeds up to 3.5 m/s, Hardness: 70 Shore A

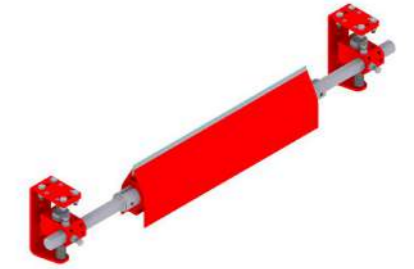
Ref. No.	Designation	Belt width
578 1800	REMACLEAN HM-U11 R - 70	400 mm
578 1810	REMACLEAN HM-U11 R - 70	500 mm
578 1820	REMACLEAN HM-U11 R - 70	650 mm
578 1830	REMACLEAN HM-U11 R - 70	800 mm
578 1840	REMACLEAN HM-U11 R - 70	1 000 mm
578 1850	REMACLEAN HM-U11 R - 70	1 200 mm
578 1860	REMACLEAN HM-U11 R - 70	1 400 mm
578 1870	REMACLEAN HM-U11 R - 70	1 600 mm
578 1880	REMACLEAN HM-U11 R - 70	1 800 mm
578 1890	REMACLEAN HM-U11 R - 70	2 000 mm

BELT CLEANING SYSTEMS  
REMACLEAN – U-Series – for use on belt

REMACLEAN HM-U11 R - 85

Belt speeds up to 6.5 m/s, Hardness 85 Shore A

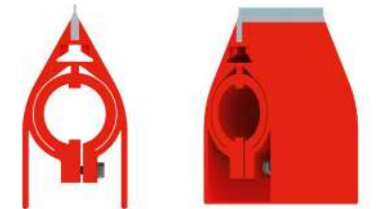
Ref. No.	Designation	Belt width
578 2081	REMACLEAN HM-U11 R - 85	400 mm
578 2082	REMACLEAN HM-U11 R - 85	500 mm
578 2083	REMACLEAN HM-U11 R - 85	650 mm
578 2100	REMACLEAN HM-U11 R - 85	800 mm
578 2090	REMACLEAN HM-U11 R - 85	1 000 mm
578 2091	REMACLEAN HM-U11 R - 85	1 200 mm
578 2092	REMACLEAN HM-U11 R - 85	1 400 mm
578 2093	REMACLEAN HM-U11 R - 85	1 600 mm
578 2094	REMACLEAN HM-U11 R - 85	1 800 mm
578 2095	REMACLEAN HM-U11 R - 85	2 000 mm



REMACLEAN HM-U11 R - 85

Spare and wear parts – REMACLEAN HM-U11 R

Ref. No.	Designation	Width
578 1900	Segment SEG+SP-U11 R - 70	120 mm
578 2080	Segment SEG+SP-U11 R - 85	120 mm



BELT CLEANING SYSTEMS  
REMACLEAN – U-Series – for use on belt

REMACLEAN HM-U500

REMACLEAN HM-U500 is a belt cleaning system for belt return side applications with elastically supported tungsten carbide blades and a spindle-type tension unit. The segments are individually mounted to the system suspension tube and the carbide blades are mounted in polyurethane feet in such a manner that they can turn. Thus they adapt

**Properties**

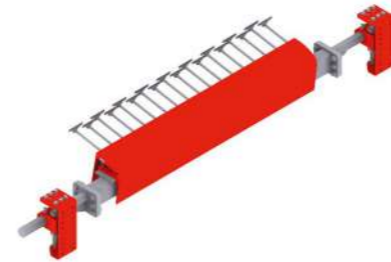
- Belt friendly cleaning achieved by the sagging function of the blade segments
- The tungsten carbide segments manufactured from stainless steel are individually supported, can adapt dynamically in the running direction of the belt and move 180° on its own axis
- Modular system consisting of a robust system suspension tube, carbide blades, foot made from soft polyurethane and a spindle mounting system
- Robust sliding deflectors made from polyethylene for the highest loads
- Consistent and ideal contact pressure, which is easily adjustable

**Properties**

- Low-maintenance
- System carrier is protected with sliding aprons of the PUR foot
- Each polyurethane foot is equipped with supporting springs, which resist dynamic loads
- For belt widths up to 2 400 mm
- Designed for service temperatures from -40°C to +70°C and belt speeds up to 10.0 m/s

**Area of application**

- Universally applicable for many types of materials such as sand, gravel, hard coal, lignite, ores, sinter and cement



REMACLEAN HM-U500

REMACLEAN HM-U500

Ref. No.	Designation	Belt width
578 5890	REMACLEAN HM-U500	1 400 mm
578 5891	REMACLEAN HM-U500	1 600 mm
578 3970	REMACLEAN HM-U500	1 800 mm
578 5880	REMACLEAN HM-U500	2 000 mm
578 5871	REMACLEAN HM-U500	2 200 mm
578 5881	REMACLEAN HM-U500	2 400 mm

Spare and wear parts – REMACLEAN HM-U500

Ref. No.	Designation	Length
578 8580	Blade SP-U500-350 Only round bar with hard metal blade.	350 mm
578 8570	Blade SP-U500-375 Only round bar with hard metal blade.	375 mm
578 8890	Segment HM-U500-350	350 mm
578 8891	Segment HM-U500-375	375 mm
578 8700	REMACLEAN PUR-FOOT HM-U500 without hard metal spatula	



578 8700

BELT CLEANING SYSTEMS  
REMACLEAN – U-Series – for use on belt

UNICLEAN HM-U3

UNICLEAN HM-U3 is a belt scraper system for belt return side applications with a tungsten carbide blade featuring a low installation height and tension unit type INNOVATION. The tungsten carbide blade optimally adjusts to the belt and therefore guarantees effective and belt-friendly cleaning. The design of the tungsten carbide blade guarantees long service life and high reliability. The tension unit type INNOVATION allows continuous calibration of the contact pressure and fits various installation situations.

**Properties**

- Excellent cleaning effect
- Long service life through the use of highly wear-resistant carbide
- Easy fitting and adjustment of the system due to the use of the tension unit INNOVATION with torsion elements and a pre-tension indicator
- Minimal maintenance

- Requires little space due to the compact carbide-blade
- Automatic system readjustment
- Tensioning device type INNOVATION with an exact micro-adjustment of contact pressure, displayed on the tension meter
- For belt widths up to 1600 mm
- Designed for service temperatures



UNICLEAN HM-U3

from 40°C to +60°C and belt speeds up to 4.5 m/s

**Area of application**

- Universally applicable for many types of materials such as sand, gravel, hard coal, lignite

UNICLEAN HM-U3

Ref. No.	Designation	For belt width
578 1700	UNICLEAN HM-U3	400 mm
578 1710	UNICLEAN HM-U3	500 mm
578 1720	UNICLEAN HM-U3	650 mm
578 1730	UNICLEAN HM-U3	800 mm
578 1740	UNICLEAN HM-U3	900 mm
578 1750	UNICLEAN HM-U3	1 000 mm
578 1760	UNICLEAN HM-U3	1 200 mm
578 1770	UNICLEAN HM-U3	1 400 mm
578 1780	UNICLEAN HM-U3	1 600 mm

Spare Scraper UNICLEAN HML

Ref. No.	Designation	For belt width
578 1600	UNICLEAN HML-U3 -400	400 mm
578 1610	UNICLEAN HML-U3 -500	500 mm
578 1620	UNICLEAN HML-U3 -650	650 mm
578 1630	UNICLEAN HML-U3 -800	800 mm
578 1640	UNICLEAN HML-U3 -900	900 mm
578 1650	UNICLEAN HML-U3 -1000	1 000 mm
578 1660	UNICLEAN HML-U3 -1200	1 200 mm
578 1670	UNICLEAN HML-U3 -1400	1 400 mm
578 1680	UNICLEAN HML-U3 -1600	1 600 mm

## BELT CLEANING SYSTEMS REMACLEAN – Belt Cleaning Brushes

### REMACLEAN GRB

REMACLEAN GRB with round rubber fingers and an electric extern drive for the fine cleaning of the carrier-side of the conveyor belt behind or under the discharge pulley. The rubber fingers optimally adapt to the belt surface and guarantee effective and beltfriendly

#### Properties

- Cleaning brush direct drive through an electric motor
- Highly flexible and extremely gentle on the belt due to rubber fingers
- Speed: 1 000 rpm
- Voltage: 400 V, 50 Hz (other versions available on request)
- Protective system: B3, IP55
- Motor capacity BW 400 - 500: 0.55 kW
- Motor capacity BW 600 - 1 000: 0.75 kW
- Motor capacity BW 1 200 - 1 600: 1.1 kW
- Motor capacity BW 1 800 - 2 000: 1.5 kW
- Designed for belt speeds up to 2.5 m/s
- A version suitable for ATEX applications is available

#### Area of application

- Universally applicable removing fine or pulverised and also slightly adhering materials; to be combined with a pre-scraper for moist materials



### REMACLEAN GRB

#### Specifications

Polymer basis	NR	DIN ISO 1629
Specific weight	1.05 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	49 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Belt width
578 5007	REMACLEAN GRB	400 mm
578 5014	REMACLEAN GRB	500 mm
578 5021	REMACLEAN GRB	650 mm
578 5038	REMACLEAN GRB	800 mm
578 5045	REMACLEAN GRB	1 000 mm
578 5052	REMACLEAN GRB	1 200 mm
578 5069	REMACLEAN GRB	1 400 mm
578 5076	REMACLEAN GRB	1 600 mm
578 5083	REMACLEAN GRB	1 800 mm
578 5090	REMACLEAN GRB	2 000 mm

## BELT CLEANING SYSTEMS REMACLEAN – Belt Cleaning Brushes

### Spare cleaning brush GRB

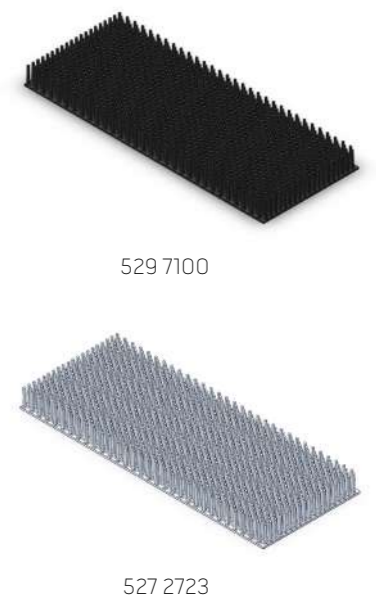
Consists of shaft set made from steel with attached rubber bristles in standard quality. Versions with rubber bristles in food quality or self-extinguishing available on request.

Ref. No.	Designation	Belt width
578 4400	REMACLEAN spare cleaning brush GRB	400 mm
578 4417	REMACLEAN spare cleaning brush GRB	500 mm
578 4424	REMACLEAN spare cleaning brush GRB	650 mm
578 4431	REMACLEAN spare cleaning brush GRB	800 mm
578 4448	REMACLEAN spare cleaning brush GRB	1 000 mm
578 4455	REMACLEAN spare cleaning brush GRB	1 200 mm
578 4462	REMACLEAN spare cleaning brush GRB	1 400 mm
578 4479	REMACLEAN spare cleaning brush GRB	1 600 mm
578 4486	REMACLEAN spare cleaning brush GRB	1 800 mm
578 4493	REMACLEAN spare cleaning brush GRB	2 000 mm



### Rubber bristle GRB

Ref. No.	Designation	Dimensions
529 7100	<b>Rubber bristle Standard, black, Hardness 48 Shore A</b>	745 x 297 mm
527 2723	<b>Rubber bristle WHITE FOOD, white, Hardness 40 Shore A</b> Food quality in accordance with: <ul style="list-style-type: none"> <li>• Federal Institute for Risk Assessment, Recommendations on Food Contact Materials XXI, Cat. 3+4 (Germany)</li> <li>• Regulation (EU) No. 1935/2004</li> <li>• FDA Regulation No. 21 CFR 177.2600</li> <li>• Required adhesive system for food contact: CEMENTSC 4000 white/HARDENER E-40 or CEMENT SC 2000white/HARDENER ER-42.</li> </ul>	745 x 297 mm
527 2716	Rubber bristle V, black, Hardness 62 Shore A Self-extinguishing, moderately oil and grease resistant	745 x 297 mm



**Note:** Special versions of REMACLEAN GRB for ATEX areas or FOOD STUFF applications available on request.

### Shaft set GRB

Please state the belt width when ordering.

Ref. No.	Designation	For belt width
578 4840	Shaft set GRB	400 - 1 000 mm
578 4850	Shaft set GRB	1 200 - 2 000 mm



### Tschan coupling GRB

Please state the belt width when ordering.

Ref. No.	Designation	For belt width
578 6700	REMACLEAN tschan coupling S 50	400 - 2 000 mm
578 6710	REMACLEAN star, for REMACLEAN tschan coupling S 50	400 - 2 000 mm



Tschan coupling

### GRB spare motor

Ref. No.	Designation	Voltage	Engine power
578 6750	REMACLEAN GRB spare motor	220/380 V	0.55 kW
578 6730	REMACLEAN GRB spare motor	220/380 V	0.75 kW
578 6720	REMACLEAN GRB spare motor	220/380 V	1.1 kW
578 6740	REMACLEAN GRB spare motor	220/380 V	1.5 kW



Spare motor

### REMACLEAN TMB

REMACLEAN TMB is a conveyor belt cleaning system with plastic bristles and internally located drive for fine cleaning of the conveyor belt carrier-side.

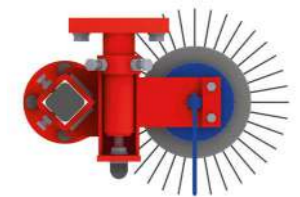
#### Properties

- Cleaning brush with direct electric motor drive
- Highly flexible and extremely gentle on the belt due to plastic bristles
- Drum motor: 400 V, 50 Hz (other versions available on request)
- Motor capacity BW 400 - 800: 1.1 kW
- Motor capacity BW 900 - 2 000: 1.5 kW
- Self-cleaning
- Very compact construction through the drum motor
- All electric motors fall into Class IP66
- Also available in version suitable for use in ex-zones (Device Group II Category 3D T135 °C) also available for foods processing and in an oil-resistant version
- Available with stainless steel motor
- Suited for reverse operation; the motor must be switched over correspondingly for the direction of operation
- Designed for service temperatures from -40°C to +70°C and belt speeds up to 6.5 m/s

to 6.5 m/s



REMACLEAN TMB



### REMACLEAN TMB

Ref. No.	Designation	Belt width
578 0590	REMACLEAN TMB	400 mm
578 0600	REMACLEAN TMB	500 mm
578 4802	REMACLEAN TMB	650 mm
578 0617	REMACLEAN TMB	800 mm
578 0631	REMACLEAN TMB	1 000 mm
578 0648	REMACLEAN TMB	1 200 mm
578 0916	REMACLEAN TMB	1 400 mm
578 0915	REMACLEAN TMB	1 600 mm
578 0970	REMACLEAN TMB	1 800 mm
578 0971	REMACLEAN TMB	2 000 mm

Spare and wear parts – REMACLEAN TMB

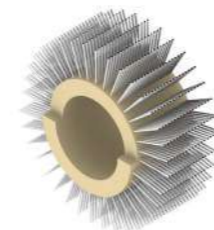
Ref. No.	Designation	Belt width
578 0810	REMACLEAN brush set TMB	400 mm
578 0827	REMACLEAN brush set TMB	500 mm
578 0834	REMACLEAN brush set TMB	650 mm
578 0841	REMACLEAN brush set TMB	800 mm
578 0865	REMACLEAN brush set TMB	1 000 mm
578 0872	REMACLEAN brush set TMB	1 200 mm
578 0899	REMACLEAN brush set TMB	1 400 mm
578 0804	REMACLEAN brush set TMB	1 600 mm
578 0805	REMACLEAN brush set TMB	1 800 mm
578 0906	REMACLEAN individual brush segment TMB	800 mm
578 0889	REMACLEAN locking ring, for brush set TMB	bis 800 mm
578 1050	REMACLEAN brush segment TMB, 226 mm	ab 1 000 mm
578 1060	REMACLEAN endpiece TMB, 157 mm	ab 1 000 mm



Brush segment



Locking ring



Brush segment

REMACLEAN SGB

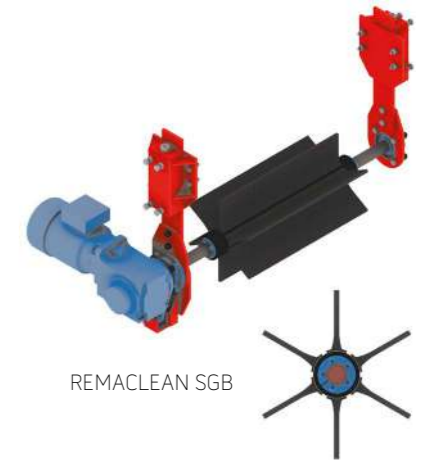
REMACLEAN SGB is a belt cleaning system with rubber bristles for fine cleaning of the carrier-side of a belt with CHEVRON profile.

Properties

- Electric motor cleaning brush with bevel gear drive
- Cleat height max. 24 mm
- Highly flexible and extremely gentle on the belt due to rubber bristles with hardness 64 Shore A
- Drum motor: 230 - 400 V, 50 Hz (other versions available on request)
- Motor capacity BW 400 - 800: 1.1 kW
- Motor capacity BW 900 - 1 050: 1.5 kW
- Motor capacity BW 1 000 - 1 400: 2.2 kW
- Self-cleaning
- Compact construction
- All electric motors fall into Class IP55
- Also available in version suitable for use in ex-zones (Device Group II Category 3D T135°C) zone from 22
- Also available with bristles in V quality or in an oil-resistant version and food quality
- Suited for reverse operation; the motor must be switched over correspondingly for the direction of operation
- Designed for service temperatures from -40°C to +70 °C and belt speeds up to 2.5 m/s

Area of application

- Universally applicable removing sticky material such as sand, gravel, hard coal, cement, ores, lignite, conditioned refuse and sinter from conveyor belts with HEVRON profile



REMACLEAN SGB

REMACLEAN SGB

Ref. No.	Designation	Belt width
578 0655	REMACLEAN SGB	400 mm
578 0662	REMACLEAN SGB	500 mm
578 0679	REMACLEAN SGB	650 mm
578 0686	REMACLEAN SGB	800 mm
578 0703	REMACLEAN SGB	1000 mm
578 0710	REMACLEAN SGB	1200 mm
578 0727	REMACLEAN SGB	1400 mm

Spare cleaning brush SGB

Ref. No.	Designation	Belt width
578 0734	Spare cleaning brush SGB	400 mm
578 0741	Spare cleaning brush SGB	500 mm
578 0758	Spare cleaning brush SGB	650 mm
578 0765	Spare cleaning brush SGB	800 mm
578 0789	Spare cleaning brush SGB	1 000 mm
578 0796	Spare cleaning brush SGB	1 200 mm
578 0803	Spare cleaning brush SGB	1 400 mm





## BELT CLEANING SYSTEMS

### REMACLEAN – Belt Cleaning Brushes

#### REMACLEAN SGB - PUR

REMACLEAN SGB-PUR (cleated belt brush) with PUR combs is a belt cleaning system with an electrically driven brush for cleaning of the carrying side of a belt with CHEVRON profile of steep conveyor belts, especially arrow web straps (CHEVRON).

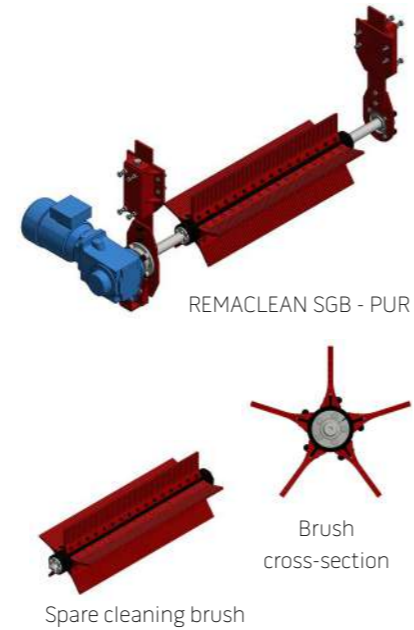
##### Properties

- Unique cleaning system for steep incline conveyor belts
- CHEVRON - belts with up to 24 mm cleat height
- Brush rotation direction is against belt running direction
- Long service life of the combs through the use of highly wear-resistant polyurethane
- Can also be used with oil and greasy bulk material

- PUR combs screwed to shaft, quick replacement
- Suitable for belt speeds up to 2.5 m/s
- ATEX version on request

##### Area of application

- Especially for the hard rock industry
- Glas recycling
- For the use with oil and greasy bulk materials



#### REMACLEAN SGB - PUR

Ref. No.	Designation	Belt width
578 0656	REMACLEAN SGB-PUR	400 mm
578 0663	REMACLEAN SGB-PUR	500 mm
578 0678	REMACLEAN SGB-PUR	650 mm
578 0687	REMACLEAN SGB-PUR	800 mm
578 0702	REMACLEAN SGB-PUR	1000 mm
578 0711	REMACLEAN SGB-PUR	1200 mm
578 0726	REMACLEAN SGB-PUR	1400 mm
578 0728	REMACLEAN SGB-PUR	1600 mm
578 0735	REMACLEAN SGB-PUR Spare cleaning brush	400 mm
578 0742	REMACLEAN SGB-PUR Spare cleaning brush	500 mm
578 0757	REMACLEAN SGB-PUR Spare cleaning brush	650 mm
578 0766	REMACLEAN SGB-PUR Spare cleaning brush	800 mm
578 0788	REMACLEAN SGB-PUR Spare cleaning brush	1000 mm
578 0797	REMACLEAN SGB-PUR Spare cleaning brush	1200 mm
578 0802	REMACLEAN SGB-PUR Spare cleaning brush	1400 mm
578 0807	REMACLEAN SGB-PUR Spare cleaning brush	1600 mm
578 0736	REMACLEAN SGB-PUR Spare comb	400 mm
578 0743	REMACLEAN SGB-PUR Spare comb	500 mm
578 0756	REMACLEAN SGB-PUR Spare comb	650 mm
578 0767	REMACLEAN SGB-PUR Spare comb	800 mm
578 0787	REMACLEAN SGB-PUR Spare comb	1000 mm
578 0798	REMACLEAN SGB-PUR Spare comb	1200 mm
578 0801	REMACLEAN SGB-PUR Spare comb	1400 mm
578 0808	REMACLEAN SGB-PUR Spare comb	1600 mm

## BELT CLEANING SYSTEMS

### REMACLEAN – Belt Cleaning Brushes

#### REMACLEAN SGF - PUR

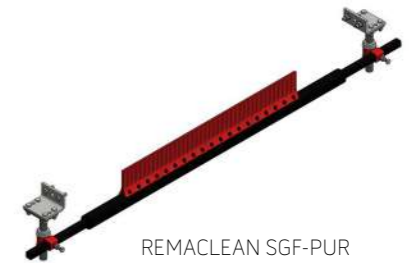
REMACLEAN SGF-PUR with a PUR comb is a belt cleaning scraper for cleaning the carrying side of steep incline belts, especially belts with CHEVRON profile.

##### Properties

- Cleaning system for steep incline belts, especially CHEVRON - belts with up to 24 mm cleat height
- Fast assembling; generation of contact pressure with spindle clamping device
- Long service life of the combs through the use of highly wear-resistant PUR
- Can also be used with oil and greasy material
- PUR combs screwed on to system carrier, allows quick replacement
- Suitable for belt speeds up to 2.5 m/s
- ATEX version on request

##### Area of application

- Universally applicable to many types of bulk materials
- For the use with oil and greasy bulk materials
- Not suitable for waste and fibrous material



#### REMACLEAN SGF - PUR

Ref. No.	Designation	Belt width
578 2500	REMACLEAN PUR-SGF	500 mm
578 2510	REMACLEAN PUR-SGF	650 mm
578 2520	REMACLEAN PUR-SGF	800 mm
578 2530	REMACLEAN PUR-SGF	1000 mm
578 2540	REMACLEAN PUR-SGF	1200 mm
578 2550	REMACLEAN PUR-SGF	1400 mm
578 2560	REMACLEAN PUR-SGF	1600 mm
578 2570	REMACLEAN PUR-SGF	1800 mm
578 2580	REMACLEAN PUR-SGF	2000 mm

#### Spare parts for SGF - PUR

Ref. No.	Designation	Width
578 2620	Spare - PUR comb	250 mm



### REMACLEAN RB-IGP plough scraper

Plough scraper for return side applications at the running side to protect the pulley from material. The frame construction levels off the belt and thus guarantees optimum alignment of the scraper and ensures efficient cleaning. The required contact pressure is created by the weight of the system. An auxiliary wheel mounted on the scraper prevents contact of the steel frame with the belt surface after the rubber bar is worn out.

#### Properties

- Highly compact construction
- Base frame with suspension rollers and plough scraper (rubber lip consists of REMACLEAN CAB)
- A version for underground use is also available (ATEX-suitable)

- Not suited for reverse operation
- For belt widths up to 2 000 mm
- Designed for service temperatures from -40°C to +70°C and belt speeds up to 3.5 m/s

#### Area of application

- Universally applicable for many types of materials such as sand, gravel, hard coal, cement, ores, lignite, refuse, clay and sinter



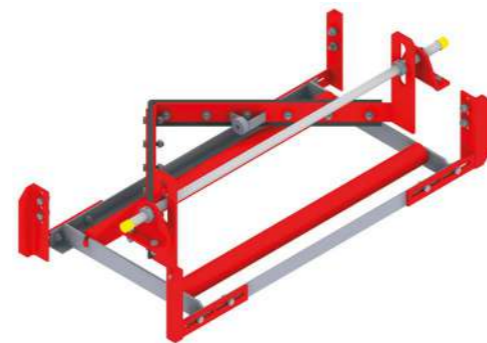
REMACLEAN RB-IGP

#### REMACLEAN RB-IGP

Ref. No.	Designation	Belt width
578 1300	REMACLEAN RB-IGP	500 mm
578 1310	REMACLEAN RB-IGP	650 mm
578 1320	REMACLEAN RB-IGP	800 mm
578 1330	REMACLEAN RB-IGP	1 000 mm
578 1340	REMACLEAN RB-IGP	1 200 mm
578 1350	REMACLEAN RB-IGP	1 400 mm
578 1360	REMACLEAN RB-IGP	1 600 mm
578 1363	REMACLEAN RB-IGP	1 800 mm
578 1290	REMACLEAN RB-IGP	2 000 mm

#### REMACLEAN RB-IGP V

Self-extinguishing, antistatic and moderate oil resistant scraper bar in LOBA quality for underground applications.



REMACLEAN RB-IGP V

Ref. No.	Designation	Belt width
578 1301	REMACLEAN RB-IGP V	500 mm
578 1311	REMACLEAN RB-IGP V	650 mm
578 1321	REMACLEAN RB-IGP V	800 mm
578 1331	REMACLEAN RB-IGP V	1 000 mm
578 1341	REMACLEAN RB-IGP V	1 200 mm
578 1351	REMACLEAN RB-IGP V	1 400 mm
578 1361	REMACLEAN RB-IGP V	1 600 mm

### REMACLEAN RB-IGD diagonal scraper

Diagonal scraper for return side applications at the running side to protect the pulley from material. The required contact pressure is achieved by the spindle-type tension unit.

#### Properties

- Highly compact construction
- Base frame with suspension rollers and plough scraper (rubber lip consists of REMACLEAN CAB)
- A version for underground use is also available (ATEX-suitable)

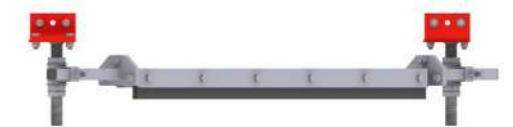
- Suited for reverse operation
- For belt widths up to 2 000 mm
- Designed for service temperatures from -40°C to +70°C and belt speeds up to 3.5 m/s

#### Area of application

- Universally applicable for many types of materials such as sand, gravel, hard coal, cement, ores, lignite, refuse, clay and sinter

#### REMACLEAN RB-IGD

Ref. No.	Designation	Belt width
578 1370	REMACLEAN RB-IGD	400 mm
578 1380	REMACLEAN RB-IGD	500 mm
578 1390	REMACLEAN RB-IGD	650 mm
578 1400	REMACLEAN RB-IGD	800 mm
578 1410	REMACLEAN RB-IGD	1 000 mm
578 1420	REMACLEAN RB-IGD	1 200 mm
578 1430	REMACLEAN RB-IGD	1 400 mm
578 1440	REMACLEAN RB-IGD	1 600 mm
578 1450	REMACLEAN RB-IGD	1 800 mm
578 1460	REMACLEAN RB-IGD	2 000 mm



REMACLEAN RB-IGD V



#### REMACLEAN RB-IGD V

Self-extinguishing, antistatic and moderate oil resistant scraper bar in LOBA quality for underground applications.

Ref. No.	Designation	Belt width
578 1371	REMACLEAN RB-IGD V	400 mm
578 1381	REMACLEAN RB-IGD V	500 mm
578 1391	REMACLEAN RB-IGD V	650 mm
578 1401	REMACLEAN RB-IGD V	800 mm
578 1411	REMACLEAN RB-IGD V	1 000 mm
578 1421	REMACLEAN RB-IGD V	1 200 mm
578 1431	REMACLEAN RB-IGD V	1 400 mm
578 1441	REMACLEAN RB-IGD V	1 600 mm



REMACLEAN RB-IGD V



QUESTIONNAIRE  
REMACLEAN belt cleaning systems

Customer:	Contact person:
Phone:	Fax:
Address:	Country (representation):
	E-Mail:

Information about conveyor equipment

Belt designation:	Type / brand:	Belt thickness (mm):		
Belt width (mm):	Axial distances (m):	Belt speed (m/s):		
Belt surface:	<input type="checkbox"/> New	<input type="checkbox"/> Used / smooth	<input type="checkbox"/> Damaged	<input type="checkbox"/> Heavily damaged
Belt splice:	<input type="checkbox"/> Cold	<input type="checkbox"/> Hot	<input type="checkbox"/> Mechanical/Type	
Pulley diameter (mm):		Pulley shape:	<input type="checkbox"/> Cylindric	<input type="checkbox"/> Curved
Pulley Lagging <input type="checkbox"/> Yes <input type="checkbox"/> No:	Attachment	<input type="checkbox"/> Cold	<input type="checkbox"/> Hot	<input type="checkbox"/> Mechanical
Pulley lagging designation:		Reverse mode:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Operating time:	hours per day:		hours per week:	
Temperature at the position of the belt cleaning system:	°C			
Remarks:				

Material conveyed

Moisture content:	%:	Tends to dry or harden	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Quartz content:	<input type="checkbox"/> Yes,	%:	<input type="checkbox"/> No	
Sticky admixture content:				

Installed cleaning system

Manufacturer:	Type:
Assessment of the cleaning performance:	
Remarks:	

Information prepared by:

Place and date	Name	Signature
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Recommendation for a new belt cleaning system

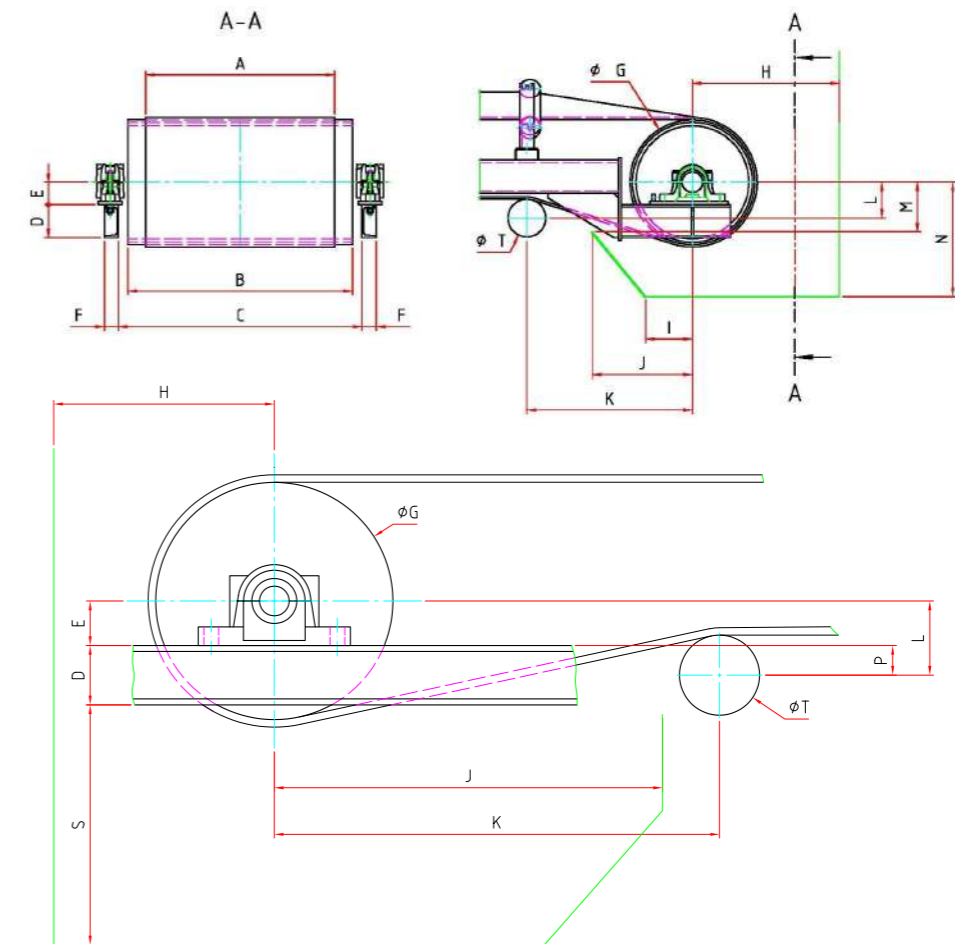
Type:	Ref. No.:
Remarks:	

Recommendation prepared by:

Place and date	Name	Signature
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QUESTIONNAIRE  
REMACLEAN belt cleaning systems – dimensions

Customer:	Contact person:
Phone:	Fax:
Address:	Country (representation):
	E-Mail:



A	I	
B	J	
C	K	
D	L	
E	M	
F	N	
G	T	
H	P	S=

Remarks:

.....

.....

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# 11. Conveyor Belting

**DBP Conveyor Belting Range** 232

**POWAPLY Multiply Fabric Belting** 234

Wear resistant & versatile.

**POWACORD Steel Cord Belting** 235

High quality & extremely durable.

**POWASOL Solid Woven Belting** 236

Extra strong fabric conveyor belting.

**DBP WearTECH** 238

The benchmark for wear resistance.

**DBP LavaTech** 239

Heat resistant HR GRADE.

**DBP OilTECH** 240

Oil resistant G GRADE.

**DBP FlameTECH** 241

Fire resistant V GRADE.

**DBP LiftTECH** 242

Specifically suited for bucket elevators.

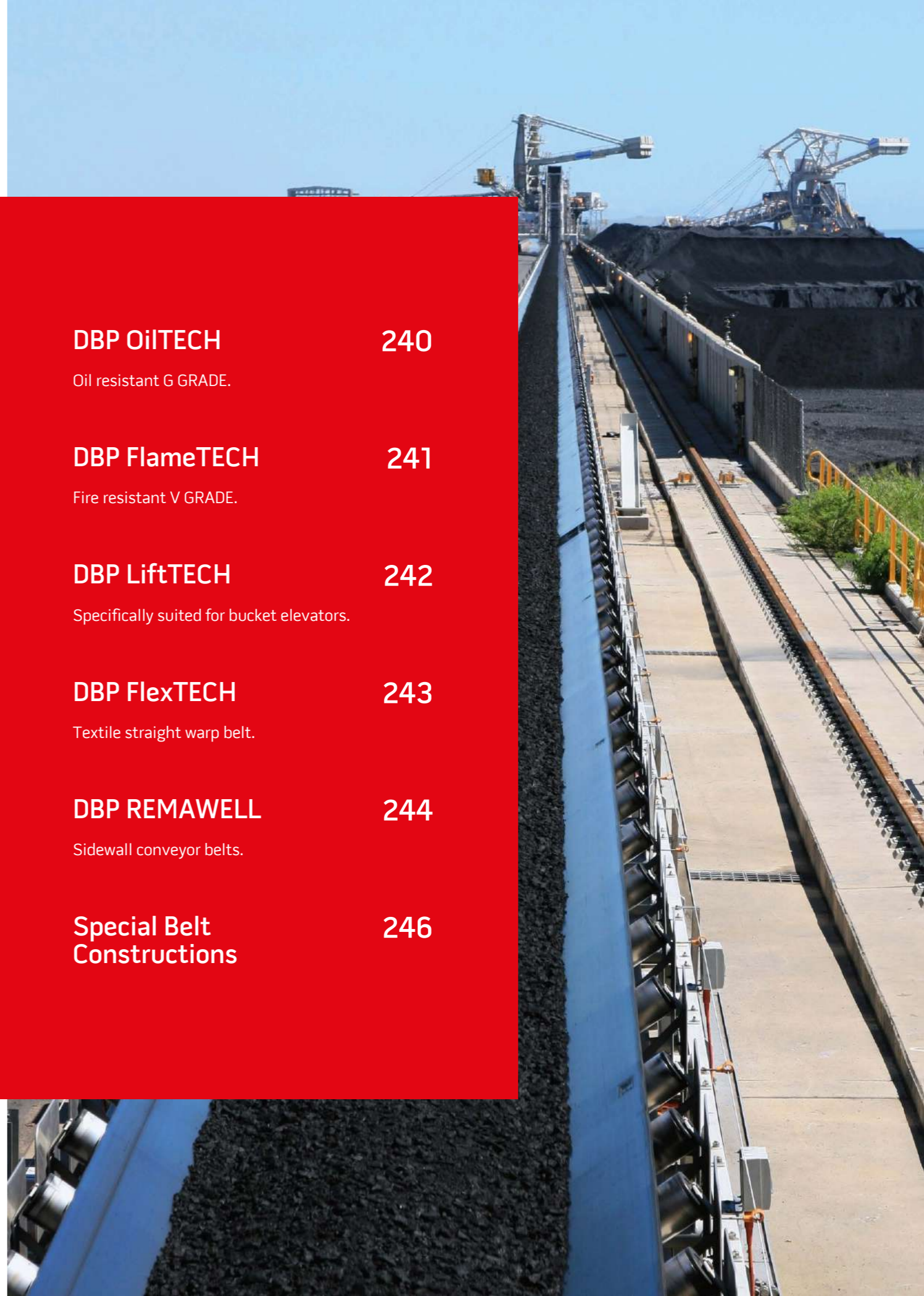
**DBP FlexTECH** 243

Textile straight warp belt.

**DBP REMAWELL** 244

Sidewall conveyor belts.

**Special Belt Constructions** 246



REMA TIP TOP  
DBP Conveyor belting range

With the DBP (Dunlop Belting Products) portfolio, REMA TIP TOP offers a full range of high quality and innovative conveyor belting. If your requirement calls for a fabric, steel cord or special carcass, with or without breaker, we can supply the right product at the right time to the required place:

- Belt construction with fabric, steel cord or aramid carcass
- Solid woven and straight warp belts
- Vertical and incline belts
- Heat, oil and chemical resistant belts
- Flame-retardant and self-extinguishing belts for mining and tunneling
- Pipe belts
- High abrasion, /NO- and high impact-resistant rubber, PVC and PVG covers



Description	Properties	Carcass	Min. breaking strength	Cover	Further options
DBP WearTECH	Wear-resistant	EP	200 - 2500	AA* – W/D – X/H – Y	DBP AntiripTECH DBP Self-AdjustTECH DBP CrossTECH
		PP	800 - 2500		
		ST	500 - 5400		
DBP LavaTECH	Heat-resistant 150 - 220°	EP	315 - 2500	T1 - 150° / T2 - 220°	
		ST	500 - 5400		
DBP OilTECH	Oil and grease resistant	EP	200 - 2500	G/G+/G1	
		ST	500 - 5400		
DBP FlameTECH	DBP-LEVEL 1: flame-resistant according to ISO 340 DIN EN 12882 2A-2B	EP	315 - 2500	K/S/G1	
		ST	500 - 5400		
	DBP-LEVEL 2: flame-resistant / self-extinguishing according to DIN EN 12882 (surface)	EP	315 - 2500	Fire-resistant	
ST		500 - 5400			
DBP-LEVEL 3: flame-resistant / self-extinguishing according to DIN EN 14973 (underground)	EP	315 - 2500	Fire-resistant		
	ST	500 - 5400			
DBP ForceTECH	Fördergurte mit Aramidgewebe	D	400 - 3150	All categories	
DBP LiftTECH	ELEVATOR conveyor belts	EP	315 - 2500	All categories	
		ST	500 - 5400		
DBP FlowTECH	PIPE conveyor belts	EP	315 - 2500	All categories	
		ST	500 - 5400		
DBP SlideTECH	Sliding conveyor belt	EP	315 - 2500	All categories	
DBP FlexTECH	FLEX conveyor belts	EPP	400 - 2500	All categories	
DBP SolidTECH	SOLID WOVEN conveyor belts	EP/B/PB	630 - 3150	AA* – W/D – X/H – Y	
DBP ChevronTECH	Steep-incline belts	EP	400 - 1000	All categories	
DBP REMAWELL	Sidewall conveyor belts	EP	400 - 2000	All categories	
		ST	500 - 5400		

REMA TIP TOP  
DBP Conveyor belting range

Range of qualities

Cover	Cover classification		Temperature range °C			Polymer basis
	Abrasion < mm³	Elongation at break min. in %	Min. ambient temperature	Constant material temperature	Max. temporary material temperature	
AA*	130	400	-30	80	90	SBR
Y	150	400	-30	80	100	SBR
X/H	120	450	-40	80	90	NR
W/D	90	400	-30	80	90	NR/SBR
T1	150	400	-20	150	170	SBR
T2	150	290	-20	220	400	EPDM
G	150	350	-20	80	90	SBR/NBR
G+	150	350	-20	80	90	NBR
G1	170	450	-20	80	90	SBR/NBR
K/S	200	350	-20	80	90	SBR
VT/V	160	350	-20	80	90	CR
PVG SBR	90	400	-10	50	60	SBR
PVG C1**	120	400	0	50	60	CR
PVG C2**	160	400	0	50	60	CR

- The development and production of the products is based on the relevant European standards
- All listed conveyor belts are available in belt widths of 500 – 2000 / 2400 mm
- \* DBP highly wear-resistant cover quality
- \*\* PVG conveyor belts correspond to the safety class according to EN-ISO 14973

All information is given to the best of our knowledge. All specifications are to be considered non-binding information. Any claim for damages of any kind is excluded. We reserve the right to change technical specifications without prior notice, provided that they ensure product improvement. The information presented is based on technical experience but does not guarantee a product's suitability for specific applications, and does not relieve the users of the responsibility to undertake their own testing, including where any third-party trademark rights are concerned. For special applications and operating conditions with regard to temperature, UV light, ozone, acids and alkaline solutions, dynamic and static forces, tensions, elongations and other influences, we recommend application-technical consultation.

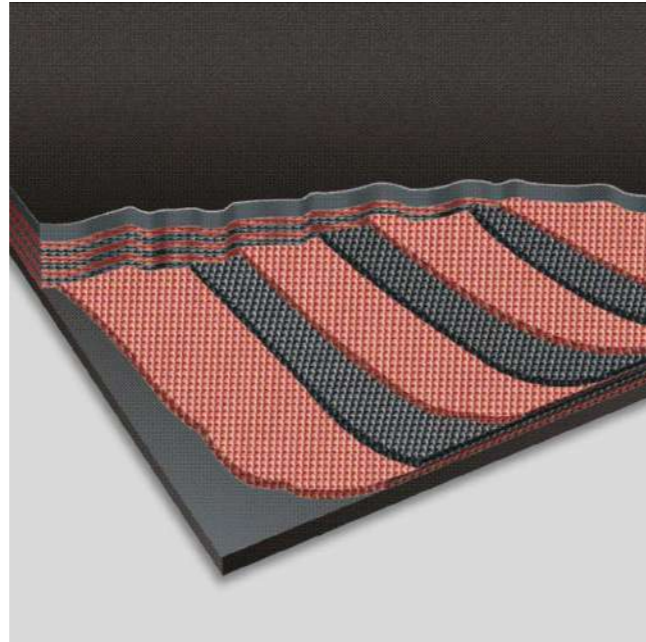


## POWAPLY MULTIPLY FABRIC BELTING RANGE

Wear-resistant and versatile

DBP POWAPLY conveyor belting is an all synthetic multiply construction available in a very wide range of strengths and number of plies. High performance industrial polyester and polyamide yarns are woven together, then given a special treatment to ensure exceptional long lasting ability to bond to the interply rubber. The interply rubber is formulated to provide not only high adhesion to prevent separation even in the most arduous applications but also to impart exceptional impact absorbing properties.

Polyester warp yarns and polyamide weft in the traditional EP fabrics result in low elongation, exceptional fatigue and impact resistance and the ability of the belt to be joined by either vulcanised splice or mechanical fasteners. Breaking away from tradition, many of the belt fabrics are also available in high performance, economic all polyester (EE) construction. DBP POWAPLY can be offered with a wide range of rubber covers to suit a diverse range of applications from extreme abrasion, cutting and gouging to light duty conveying of non abrasive materials.



### Specifications

Belt class	Maximum Tension (kN/m)	Property	Number of Plies				
			2	3	4	5	6
200	20	Mass (kg/m <sup>2</sup> )	2.5	-	-	-	-
		Thickness (mm)	1.8	-	-	-	-
250	25	Mass (kg/m <sup>2</sup> )	2.6	-	-	-	-
		Thickness (mm)	1.9	-	-	-	-
315	32	Mass (kg/m <sup>2</sup> )	2.7	3.7	-	-	-
		Thickness (mm)	2.2	2.9	-	-	-
400	40	Mass (kg/m <sup>2</sup> )	3.3	4.0	5.0	-	-
		Thickness (mm)	2.6	3.1	4.1	-	-
500	50	Mass (kg/m <sup>2</sup> )	3.4	4.1	5.3	6.3	-
		Thickness (mm)	2.5	3.6	4.3	5.2	-
630	63	Mass (kg/m <sup>2</sup> )	3.9	4.9	5.5	6.6	7.5
		Thickness (mm)	3.0	4.1	4.9	5.5	6.3
800	80	Mass (kg/m <sup>2</sup> )	4.7	5.1	6.6	6.9	7.9
		Thickness (mm)	3.9	4.0	5.7	6.2	6.7
1000	100	Mass (kg/m <sup>2</sup> )	6.1	5.9	6.8	8.2	8.2
		Thickness (mm)	5.1	4.7	5.5	7.2	7.6
1250	125	Mass (kg/m <sup>2</sup> )	-	7.0	7.9	8.5	10.2
		Thickness (mm)	-	5.9	6.3	7.0	8.5
1600	160	Mass (kg/m <sup>2</sup> )	-	-	7.9	9.9	11.8
		Thickness (mm)	-	-	6.3	8.0	9.7
2000	200	Mass (kg/m <sup>2</sup> )	-	-	9.4	11.7	14.1
		Thickness (mm)	-	-	7.9	9.9	11.9
2500	250	Mass (kg/m <sup>2</sup> )	-	-	12.3	15.4	16.1
		Thickness (mm)	-	-	10.6	13.4	12.9
3150	315	Mass (kg/m <sup>2</sup> )	-	-	-	-	18.4
		Thickness (mm)	-	-	-	-	16.1

## POWACORD STEEL CORD CONVEYOR BELTING RANGE

High quality and extremely durable

DBP POWACORD is a steel cord reinforced conveyor belt incorporating the most current technology, many components have taken years of refinement to attain this technological precision. Every belt is guaranteed to provide maximum performance and maximum life.

DBP POWACORD with galvanised steel cord strength carrying members embedded in a matrix of high performance rubber meets all demands for high strength, low elongation conveyor belting. The bonder rubber in the core is formulated to penetrate deep into the cords providing high cohesive and adhesive bond for long lasting protection and extreme joint efficiency. DBP POWACORD can be offered with a wide range of rubber covers to suit a diverse range of applications from extreme abrasion, cutting and gouging to less arduous conveying of non abrasive materials.



### Specifications

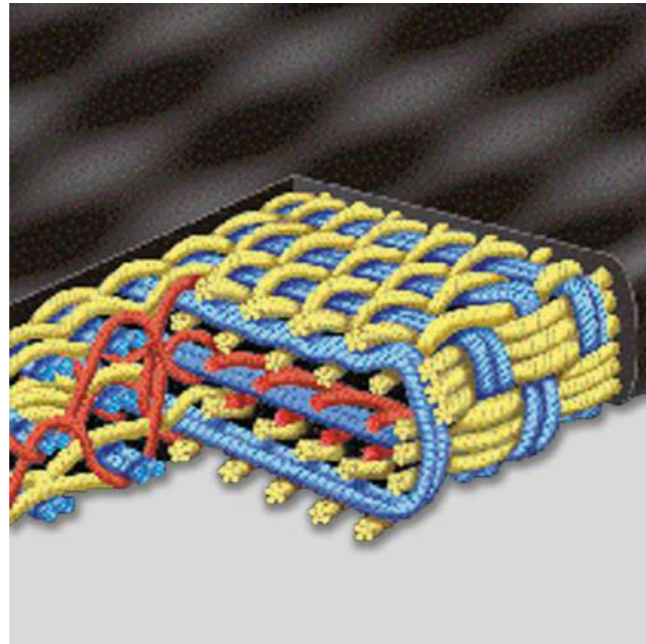
Belt class	Cord Diameter (mm)	Maximum Tension (kN/m)	Minimum cover thickness (mm)
ST500	3.0	62	3.5
ST630	3.0	80	3.5
ST800	3.7	100	4.0
ST1000	4.2	40	4.0
ST1250	4.9	188	4.0
ST1600	5.0	240	5.0
ST1800	5.9	270	5.0
ST2000	5.6	300	5.0
ST2500	5.6	375	5.0
ST3150	8.1	472	6.0
ST3500	8.6	525	6.0
ST4000	8.9	600	6.5
ST4500	9.7	675	6.5
ST5000	10.9	750	8.0
ST5400	11.3	810	8.0

POWASOL SOLID WOVEN CONVEYOR BELTING RANGE  
Extra-strong fabric conveyor belts

DBP POWASOL with SolidTECH technology is a solid woven construction conveyor belting having ultrafine polyester filaments combined with cotton yarn in the warp members and high strength polyester/cotton blend weft members.

The combination allows deep penetration of PVC into the carcass that ensures the belt will not burn, meeting the most stringent standards of fire safety. Also the design ensures a tough belt that has superior rip resistance, excellent fastener holding capability and good abrasion resistance. DBP POWASOL conveyor belting is offered with abrasion resistant synthetic rubber covers that are chemically cross-linked to the PVC impregnation to ensure many years of trouble free service.

The cover thickness can be varied according to customer requirements.



Specifications

Belt Class	Carcass Mass (kg/m <sup>2</sup> )	Carcass Thickness (mm)	Maximum operating tension (kN/m)	Belt Modulus (kN/m)	Minimum recommended pulley diameters (mm)		
					Head, Drive, Tripper	Tail, Take-up, HT Bend	LT Bend
630	10.5	6.2	63.0	3500	500	400	315
800	11.0	6.9	80.0	4440	500	400	315
1000	11.7	7.4	100.0	5550	630	500	400
1250	13.0	8.4	125.0	6900	800	630	500
1400	13.9	9.1	140.0	7750	800	630	500
1600	15.0	9.9	160.0	8890	1000	800	630
1400	18.0	12.4	200.0	11110	1000	800	630

\* Mass of each millimetre of cover (NBR-F) 1.32 kg/m<sup>2</sup>.  
To obtain the total belt mass per unit of length, add the carcass mass plus mass of each cover then multiply the result by the belt width in metres.

POWASOL SOLID WOVEN CONVEYOR BELTING RANGE  
Extra-strong fabric conveyor belts

Recommended maximum belt width (mm)  
for correct load support

Belt Class	Material classification LD - Lump size (mm) x Density (t/m <sup>3</sup> )			
	A LD 1 - 20	B LD 21 - 60	C LD 61 - 600	D LD >600
630	1400	1200	1000	800
800	1600	1400	1000	800
1000	1600	1400	1200	1000
1250	1800	1800	1600	1400
1400	1800	1800	1800	1800
1600	1800	1800	1800	1800
2000	1800	1800	1800	1800

Recommended minimum belt width (mm)  
for correct empty belt troughing

Belt Class	Trough angle (degree)			
	20	35	45	60
630	600	600	600	600
800	600	600	600	600
1000	600	800	800	800
1250	800	800	800	800
1400	800	800	800	1000
1600	800	800	800	1000
2000	1000	1000	1000	1000

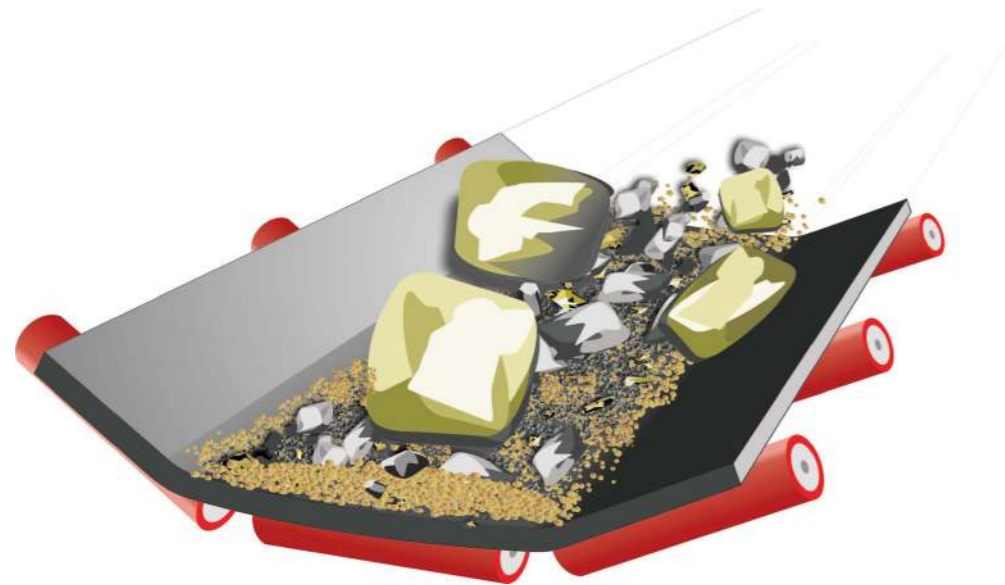
## DBP WEARTECH

### The conveyor belt benchmark for wear-resistance

The combination of tensile strength, abrasion resistance and elasticity of the conveyor cover are chosen to best suit the application in a range of cover types.

DBP covers are in a league of their own when it comes to matching the life to the application. The mechanism of wear to conveyor belts is highly complex. An infinite mix of product size, sharpness and shape that strikes the belt surface at many different velocities all play a role. Also affecting rate of wear are the operating conditions.

Developing belt conveyors that perform well in all these combinations can be a challenge without the huge database of knowledge gathered from continuous real time monitoring at a micro-level of the entire belt thickness profile. The BTM Belt Thickness Monitoring System, part of REMA MCube, is the first conveyor belt monitoring system to continuously and automatically monitor the thickness of the belt. Data captured by numerous units installed around the world is being used to monitor the performance of rubber compound. This information has led to the development of belt cover rubber compounds that uniquely fit the application.



#### Specifications

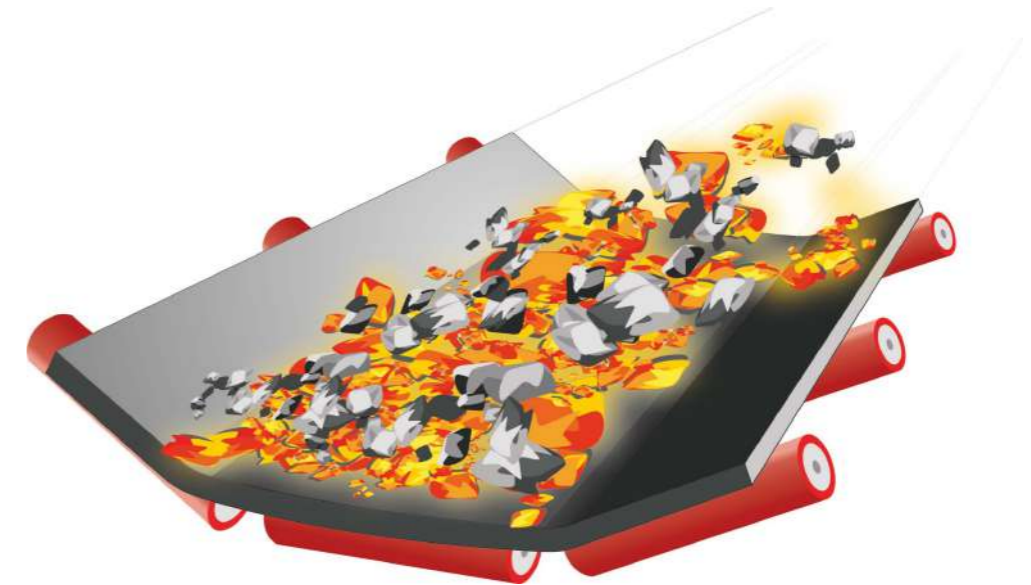
Cover	Cover classification		Temperature range °C			Polymer basis
	Abrasion < mm <sup>3</sup>	Elongation at break min. in %	Min. ambient temperature	Constant material temperature	Max. temporary material temperature	
AA*	130	400	-30	80	90	SBR
Y	150	400	-30	80	100	SBR
X/H	120	450	-40	80	90	NR
W/D	90	400	-30	80	90	NR/SBR

## DBP LAVATECH

### Heat-resistant HR GRADE

Our range of DBP LavaTECH is descriptive and includes the resistance to heat and heated material conveyed.

With all of this in mind we have developed and continue to develop and test our rubber covers so as to optimize heat requirement with optimal abrasion and tensile properties. DBP LavaTECH conveyor belting allows for permanent and intermittent temperatures from 100 to 400 degrees Celsius.



#### Specifications

Description	Properties	Carcass	Min. breaking strength	Cover
DBP LavaTECH	Heat-resistant 150 - 220°C	EP	315 - 2500	T1-150° / T2-220°
		ST	500 - 5400	

Cover	Cover classification		Temperature range °C			Polymer basis
	Abrasion < mm <sup>3</sup>	Elongation at break min. in %	Min. ambient temperature	Constant material temperature	Max. temporary material temperature	
T1	150	400	-20	150	170	SBR
T2	150	400	-20	220	400	EPDM



## DBP OILTECH

### Oil-resistant G grade

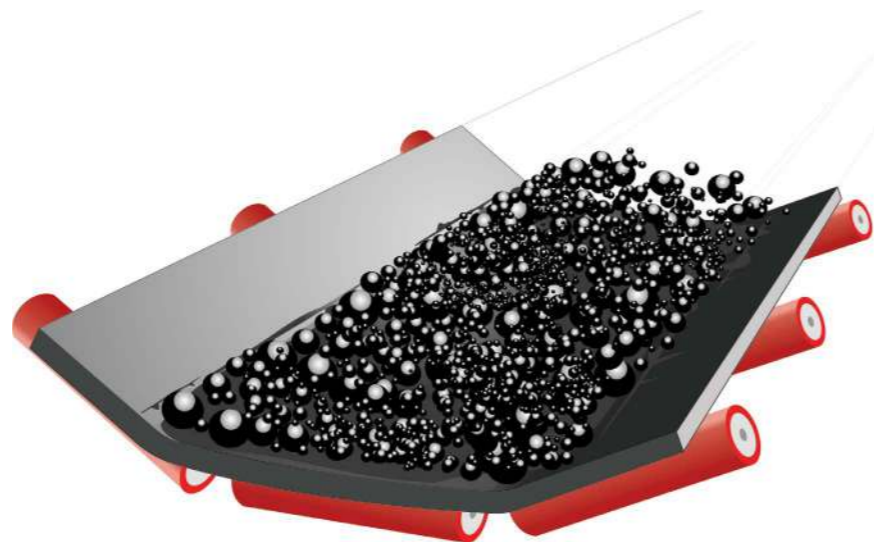
DBP OilTECH covers provide good tear, cut and abrasion resistance and also are resistant to swelling when caused by absorption of oils and grease.

The oil resistant cover is available in two grades, DBP OilTECH and DBP OilTECH +. They are used when the material transported contains oils such as fuel oil in coal or fertilizers, lubrication oils in metal recycling, foundries, steel processes, waste industries or in the case of special processes such as glass or chemical.

The presence of oil in the transported material can have detrimental effects on standard rubber covers:

- it will degrade the physical properties such as abrasion resistance, tensile strength and tear strength
- the belt covers will absorb the oil causing them to swell and lose adhesion with the carcass

The extent of degradation is dependant on the type of oil and the temperature. There is an exponential increase in rate of degradation and amount of swelling with respect to the increase in temperature.



Therefore, it is important to consider the operating temperature and types of oily substances when choosing the most suitable DBP OilTECH cover. Oil resistance of a belt cover is evaluated by measuring the swelling of the rubber after immersion in oil. For purposes of comparison specifications of oils used for the evaluation are standardised.

The two standard oils:

- IRM902, a medium aggressiveness oil
- IRM903, is an aggressive oil containing naphthenic, aromatic and aliphatic constituents

### Specifications

Cover Type	Characteristic	Cover Properties			Swelling Test	
		Tensile Strength (MPa)	Elongation @ Break (%)	Abrasion Loss (mm <sup>3</sup> )	% swell after immersion in IRM 302 for 28	% swell after immersion in IRM903 for 72h
DBP OilTECH G	Medium Oil resistance	16	400	150	15	
DBP OilTECH G+	Superior oil resistance	16	400	140		5
DBP OilTECH G1	Medium oil resistance and fire resistant according to DIN ISO 340	16	450	170	15	

## DBP FLAMETECH

### Fire retardent V grade

DBP FlameTECH conveyor belting has rubber covers that provide good tear, cut, impact and abrasion resistance and is also fire retardant.

The belt is available in a complete range of multiply strengths and also with steel cord reinforcement. Tests carried out on DBP FlameTECH conveyor belting for determining fire retarding properties.

- 1) Flame test - ISO 340:2013 test method
- 2) Electrical conductivity of the belt surface - ISO 284:2012 test method
- 3) Fire propagation test - EN 12881-1 test method



Safety level	Standard norm/tests	Belting name	Risk
Level 1	Hardly inflammable according to ISO 340 DIN EN 12882 2A-2B	DBP FlameTECH EP or ST Level 1	Prevention of the propagation of accidental fire from a minor fire source aboveground and the risk of explosion due to the accumulation of static electricity.
Level 1	Hardly inflammable according to ISO 340 DIN EN 12882 2A-2B	DBP FlameTECH EP or ST G1 - Level 1	Idem safety level 1 and additionally oil-resistant.
Level 2	DIN EN ISO 12882 according to customer specification	DBP FlameTECH EP or ST Level 2	Prevention of the propagation of accidental fire from an extensive fire source aboveground and the risk of explosion due to the accumulation of static electricity.
Level 3	DIN EN ISO 14973 according to customer specification	DBP FlameTECH EP or ST Level 3	Prevention of the propagation of accidental fire from an minor or extensive fire source underground, the risk of explosion due to the accumulation of static electricity and the risk of belt blockage.

### Specifications

Cover	Abrasion < mm <sup>3</sup>	Elongation at break min. in %	Min. ambient temperature	Constant material temperature	Max. temporary material temperature	Polymer basis
K/S	200	350	-20	80	90	SBR
VT or V	175	350	-20	80	90	CR

### Fire retarding properties

Flame test - ISO 340:2013	Electrical Conductivity ISO 284: 2012	Fire propagation - EN 12881 - 1 Method C
Total of 6 samples extinguish within 45 seconds Maximum duration of flame or glow for any single sample is 15 seconds	< 300 Megaohm	<p>a) the length of the test piece that remains undamaged across the whole width of the test piece shall be not less than 600 mm; or</p> <p>b) the maximum average temperature rise shall not exceed 140 °C, the length of belting consumed by mass shall not exceed 1250 mm and the length of the test piece that remains undamaged shall be not less than 50 mm across the whole width of the conveyor belt.</p>

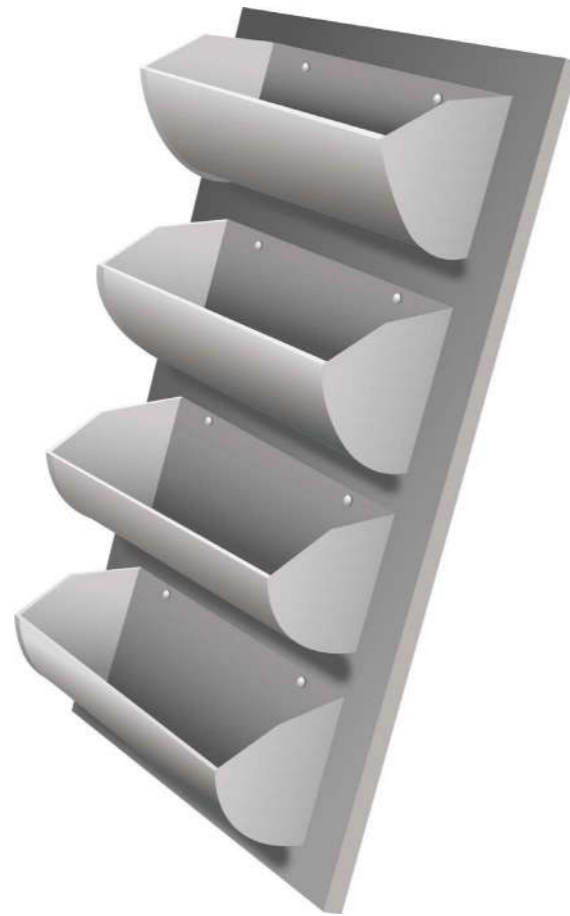
## DBP LIFTTECH

The cover quality especially suited for bucket elevators

The DBP LiftTECH range of belting is specifically suited for use in bucket elevators.

The tightly woven carcass is available in 4 and 5 ply constructions or as a solid woven carcass construction. The 4 and 5 ply DBP LiftTECH belts are offered with a very wide range of high performance rubber covers to suit any bucket elevator application that transports abrasive materials and/or hot materials.

DBP LiftTECH conveyor belts with a solid woven carcass construction have PVC impregnated carcass and Nitrile rubber covers. This alternative is suited to elevator buckets transporting grains, pea and duff coal, dry cement powder and similar products. For very high elevators where tensions are large, DBP LiftTECH ST is recommended. This high strength belt has galvanised steel cord reinforcement. The cords are spaced so that bolts holding the buckets align with the space between cords thereby ensuring that the bolts are securely retained for the maximum bucket stability.



### Specifications

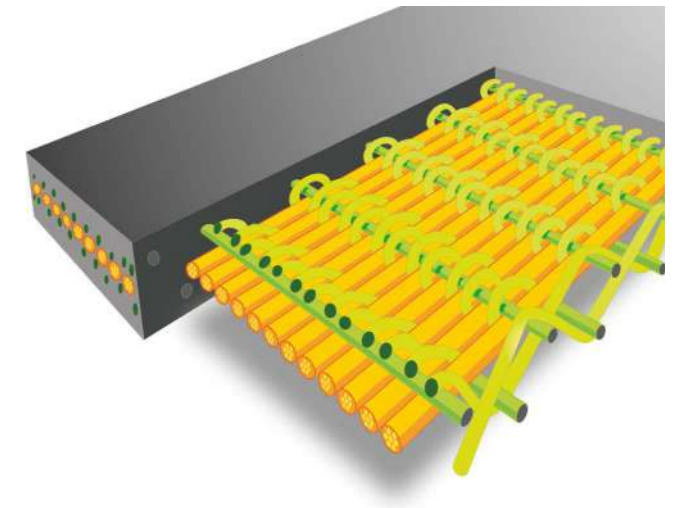
Belt class	Maximum Tension (kN/m)	Property	Number of Plies			Steel Cord Carcass	Solid Woven Carcass
			4	5	6		
500	50	Mass (kg/m <sup>2</sup> )	5.3	6.3	—	13.8	
		Thickness (mm)	4.3	5.2	—	3.6	
630	63	Mass (kg/m <sup>2</sup> )	5.3	6.6	7.5	14.3	10.5
		Thickness (mm)	4.3	5.5	6.3	3.6	6.2
800	80	Mass (kg/m <sup>2</sup> )	6.3	6.9	7.9	15.9	11.0
		Thickness (mm)	5.7	6.2	6.7	3.6	6.9
1000	100	Mass (kg/m <sup>2</sup> )	6.3	8.2	8.2	17.8	11.7
		Thickness (mm)	5.5	7.2	7.6	3.6	7.4
1250	125	Mass (kg/m <sup>2</sup> )	7.3	8.5	10.2	18.6	13.0
		Thickness (mm)	6.3	7.0	8.5	4.4	8.4
1600	160	Mass (kg/m <sup>2</sup> )				23.1	15.0
		Thickness (mm)				5.2	9.9
2000	200	Mass (kg/m <sup>2</sup> )				25.7	18.2
		Thickness (mm)				6.2	12.2
2500	250	Mass (kg/m <sup>2</sup> )				27.9	22.6
		Thickness (mm)				6.7	14.6

## DBP FLEXTech

Textile straight-warp belts from 400 N/mm in 1 ply to 2500 N/mm in 2 plies

DBP FlexTECH is a polyester straight warp belt composed of one or two plies protected on both top and bottom sides by weft lines in polyamide.

Due to the thin carcass, DBP FlexTECH can be used with smaller pulley diameters than textile plied or steelcord belts. Straight-warp conveyor belts are used on heavy duty conveyors where resistance to the effects of heavy impacts and resistance to tearing are important characteristics, typically seen in quarrying, open cast mining and steel industries or in applications where heavy-duty and yet narrow belts are required, such as in tunnelling. The carcass frame thus constructed is adhered RFL and may be coated of different types of rubber cover, anti-abrasive (X, Y, etc.), oil-resistant (G, G+), heat-resistant (T150°, T200°), etc.



### Specifications

Cover	Cover classification		Temperature range °C			Polymer basis
	Abrasion < mm <sup>3</sup>	Elongation at break min. in %	Min. ambient temperature	Constant material temperature	Max. temporary material temperature	
AA*	130	400	-30	80	90	SBR
Y	150	400	-30	80	100	SBR
X/H	120	450	-40	80	90	NR
W/D	90	400	-30	80	90	NR/SBR
T1	150	400	-20	150	170	SBR
T2	150	290	-20	220	400	EPDM
G	150	350	-20	80	90	SBR/NBR
G+	140	350	-20	80	90	NBR
G1	170	450	-20	80	90	SBR/NBR
K/S	200	350	-20	80	90	SBR
V/VT	160	350	-20	80	90	CR

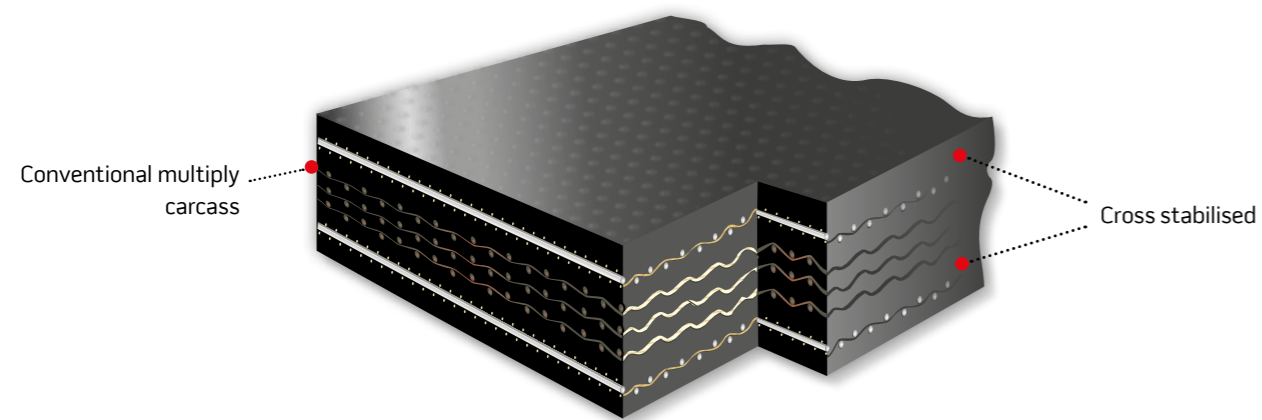
## DBP REMAWELL Sidewall conveyor belts

DBP REMAWELL belts are mainly supported at the free edge for redirection by the deflection wheels and in the area of the stub rollers in the return strand. It is therefore especially important that the belt offers a high degree of lateral rigidity.

The REMAWELL base belt therefore contains cross stabilised plies in the top and bottom cover in addition to conventional multiply carcass. Their use ensures a high lateral rigidity of the sidewall belts and thus minimum lateral sagging when running around the deflection wheels or on the stub rollers.

Due to its wear resistant properties and high resistance against ozone, the rubber cover gives the greatest possible service life.

DBP REMAWELL belts are designed and customised individually for each application. The components needed to manufacture the DBP RemaWELL belts are available ex-warehouse in many different sizes.



### Specifications

Belt type	Nominal tensile strength N/mm	No. of cross rigid plies	No. of reinforcement plies	Standard cover thickness* mm/mm	Belt thickness mm	Max available widths mm
XE 315/2+2	315	2	2	3/2	11.4	-25°C - +80°C
XE 500/3+2	500	2	3	4/2	12.8	-25°C - +80°C
XE 630/4+2	630	2	4	4/2	15.2	-25°C - +80°C
XE 800/5+2	800	2	5	5/3	17.7	-25°C - +80°C

Other belt types and cover grades on request.

## DBP REMAWELL Sidewall conveyor belts

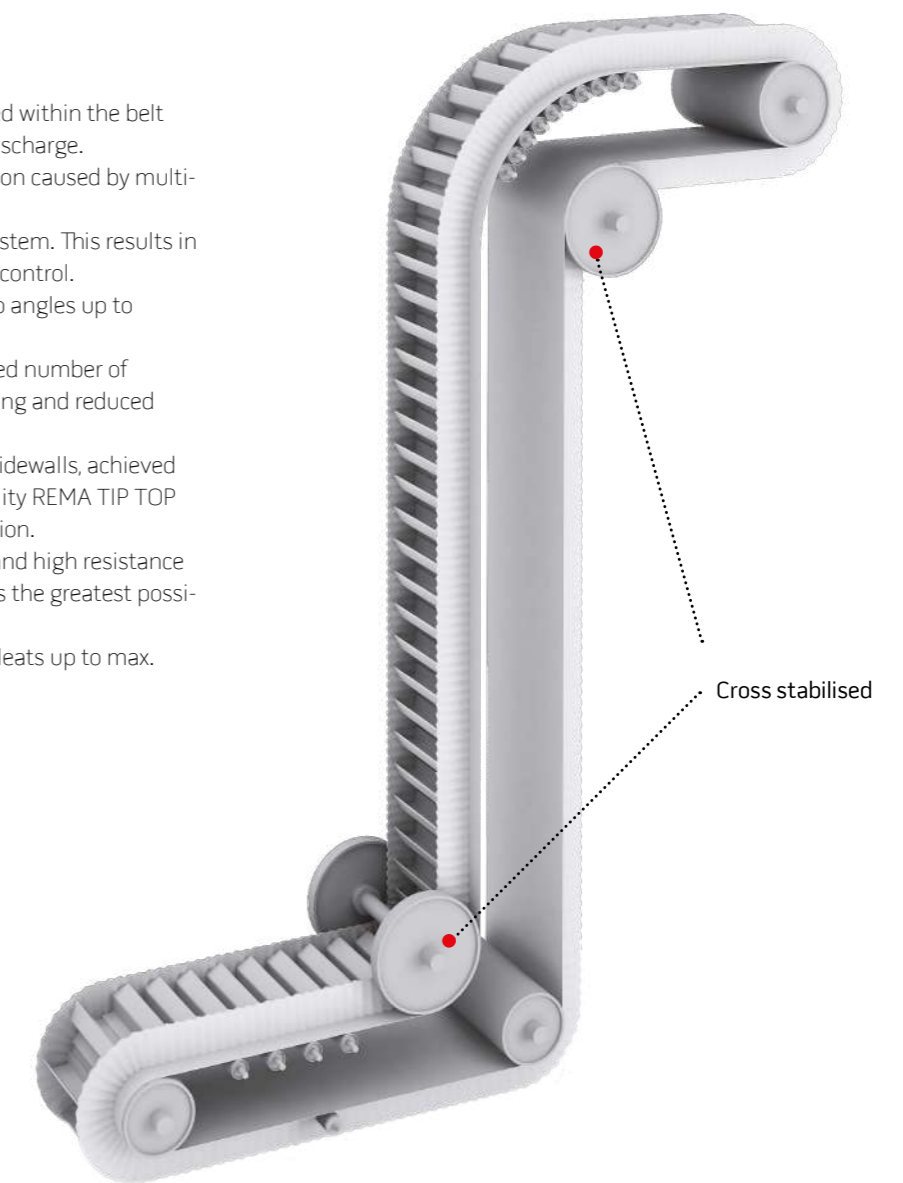
REMA TIP TOP has further extended its comprehensive portfolio for industrial applications and now offers both the design and production of DBP REMAWELL sidewall conveyor belts from a single source.

DBP REMAWELL special conveyor belts permit the steeply inclined or vertical transport of all kinds of bulk material. The components are: the base belt, sidewalls and cleats, which define a constant transport volume and thus ensure a reliable transport of material even if the conveyor routing is skewed.

Order-based design and manufacture, together with the REMA TIP TOP worldwide service network, forms the basis of professional original manufacturer support and includes all aspects of maintenance and overhaul services through to replacement of complete belts.

### Benefits

- Once loaded the material is contained within the belt from the feed point right up to the discharge. This results in less product degradation caused by multiple transfer stations.
- There are no transfer points in the system. This results in a reduction of spillage and also dust control.
- The ability to convey through steep angles up to 90° means high utilisation of space.
- With vertical applications, the reduced number of moving parts results in quieter running and reduced maintenance requirements.
- High adhesion values of cleats and sidewalls, achieved through cold bonding with high-quality REMA TIP TOP bonding system or by hot vulcanization.
- Due to its wear resistant properties and high resistance against ozone, the rubber cover gives the greatest possible service life.
- Sidewalls up to max. 400 mm and cleats up to max. 360 mm available upon request.



**DBP ChevronTECH**

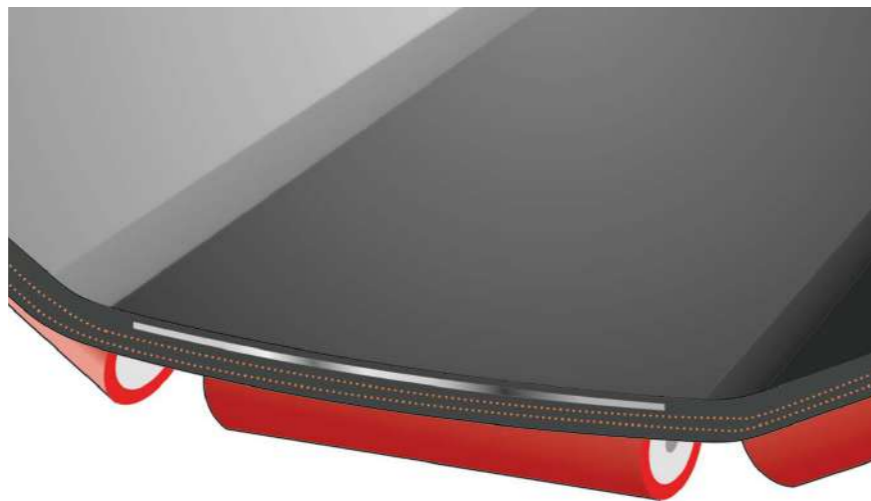
A variety of chevron patterns are moulded into the top cover to allow conveying at an angle in the range from 16° to 35°.

**DBP Self-AdjustTECH**

DBP Self-AdjustTECH is a belt construction used to ensure proper centring of the troughed belt.

In many instances belt tracking misalignment occurs and this invariably leads to belt edge damage, material spillage and damage to the conveyor structure.

These special belts have an additional ply of stiffened fabric extended across the centre third. A mistracking force is opposed by the correcting force as the stiff upper ply moves away from the flat centre area of the trough.



## 12. Cold Splicing & Repair Material

Cold Splicing & Repair Material 250

Cleats & Side Walls 257



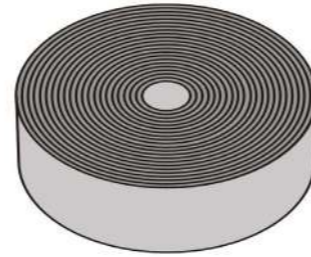
## Cold splicing and repair products

### Filler rubber

With CN bonding layer on both sides.

#### Specifications

Polymer basis	SBR	DIN ISO 1629
Specific weight	1.12 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Colour	Black	



Filler rubber

Ref. No.	Designation	Dimensions
528 5208	Filler rubber	0.5 x 500 x 10 000 mm
528 5198	Filler rubber	1.5 x 500 x 10 000 mm
528 5497	Filler rubber	3 x 500 x 10 000 mm

### Filler rubber V

Self-extinguishing, antistatic and moderate oil resistance. With CN bonding layer on both sides. FRAS approved. Tested to AS4606-2012.

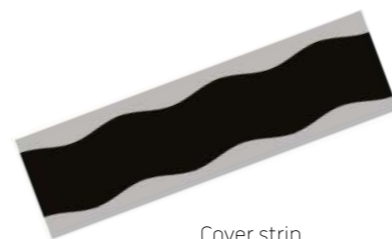
Ref. No.	Designation	Dimensions
528 5693	Filler rubber V	1.5 x 500 x 10 000 mm
528 5758	Filler rubber V	3 x 500 x 10 000 mm

### Cover strip

For cold splices on carrying and pulley side.

#### Specifications

Polymer basis	SBR	DIN ISO 1629
Specific weight	1.14 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	64 Shore A	DIN ISO 7619-1
Colour	Black	



Cover strip

Ref. No.	Designation	Dimensions
532 7025	Cover strip	1.5 x 100 x 10 000 mm

## Repair fabric EP 100

With CN bonding layer on both sides.

Ref. No.	Designation	Dimensions
522 0751	Repair fabric EP 100	1.8 x 500 x 10 000 mm



Repair fabric EP 100

## Rubber sheeting

With CN bonding layer on one side for the repair of damaged belt covers.

#### Specifications

Polymer basis	BR/IR/SBR	DIN ISO 1629
Specific weight	1.13 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions
522 0218	Rubber sheeting	1.5 x 500 x 10 000 mm
522 0225	Rubber sheeting	2 x 500 x 10 000 mm
522 0232	Rubber sheeting	3 x 500 x 10 000 mm
522 0249	Rubber sheeting	4 x 500 x 10 000 mm

COLD SPLICING AND REPAIR MATERIAL  
Cold splicing and repair products

Rubber sheeting V

Self-extinguishing, antistatic and moderate oil resistance.  
With CN bonding layer on one side for the repair of damaged belt covers.  
FRAS approved. Tested to AS4606-2012.

Specifications

Polymer basis	CR	DIN ISO 1629
Specific weight	1.39 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions
528 5693	Rubber sheeting V	1.5 x 500 x 10 000 mm
528 5758	Rubber sheeting V	3 x 500 x 10 000 mm

COLD SPLICING AND REPAIR MATERIAL  
Cold splicing and repair products

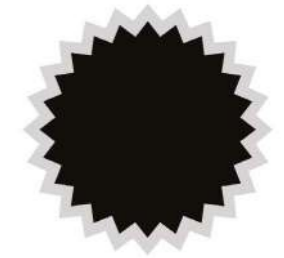
Round patches

For the repair of small damaged areas in belt covers.

Specifications

Polymer basis	SBR	DIN ISO 1629
Specific weight	1.14 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	64 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Qty
530 7052	Round patch, Size 0	∅ 50 x 2 mm	10
530 7083	Round patch, Size 1	∅ 80 x 2.5 mm	10
530 7124	Round patch, Size 3	∅ 120 x 3.3 mm	10

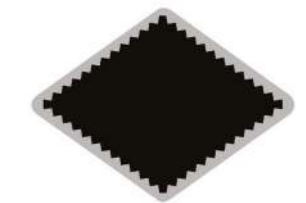


Round patch

Rhomboid patches

For the repair of large damaged areas in belt covers.

Ref. No.	Designation	Dimensions	Qty
530 7519	Rhomboid patch, Size 1	2.4 x 130 x 160 mm	5
530 7526	Rhomboid patch, Size 2	2.4 x 200 x 260 mm	5
530 7533	Rhomboid patch, Size 3	2.4 x 270 x 360 mm	5



Rhomboid patch

Rhomboid patches EP 160, fabric reinforced

For the repair of perforations and ply damage.

Ref. No.	Designation	Dimensions	Qty
530 5511	Rhomboid patch EP 160, Size 1	3.8 x 130 x 160 mm	5
530 5528	Rhomboid patch EP 160, Size 2	3.8 x 200 x 260 mm	5
530 5535	Rhomboid patch EP 160, Size 3	3.8 x 270 x 360 mm	5

COLD SPLICING AND REPAIR MATERIAL  
Cold splicing and repair products

Rectangular patches

For the repair of damaged belt covers.

Ref. No.	Designation	Dimensions	Qty
531 7066	Rectangular patch	1.5 x 50 x 1 100 mm	30
531 7107	Rectangular patch	1.8 x 100 x 240 mm	10
531 7190	Rectangular patch	1.8 x 100 x 1 100 mm	10
531 7293	Rectangular patch	2.8 x 150 x 1 100 mm	10
531 7334	Rectangular patch	2.8 x 220 x 320 mm	10
531 7396	Rectangular patch	2.8 x 220 x 1 100 mm	10
531 7451	Rectangular patch	3.0 x 300 x 500 mm	10
531 7499	Rectangular patch	3.0 x 300 x 1 100 mm	10
531 7547	Rectangular patch	3.0 x 400 x 1 100 mm	10



Rectangular patch

Rectangular patches EP 160, fabric reinforced

For the repair of perforations and ply damage.

Ref. No.	Designation	Dimensions	Qty
531 5109	Rectangular patch EP 160	3.2 x 100 x 240 mm	10
531 5295	Rectangular patch EP 160	4.2 x 150 x 1 100 mm	10
531 5336	Rectangular patch EP 160	4.2 x 220 x 320 mm	10
531 5398	Rectangular patch EP 160	4.2 x 220 x 1 100 mm	10
531 5491	Rectangular patch EP 160	4.4 x 300 x 1 100 mm	10
531 5549	Rectangular patch EP 160	4.4 x 400 x 1 100 mm	10



Rectangular patch EP 160

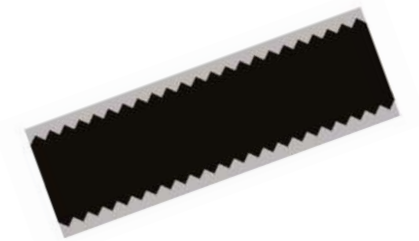
COLD SPLICING AND REPAIR MATERIAL  
Cold splicing and repair products

Repair strip

For the repair of longitudinal belt cover damage.

Specifications

Polymer basis	SBR	DIN ISO 1629
Specific weight	1.14 g/cm	DIN EN ISO 1183-1
Hardness	64 Shore A	DIN ISO 7619-1
Colour	Black	



Repair strip

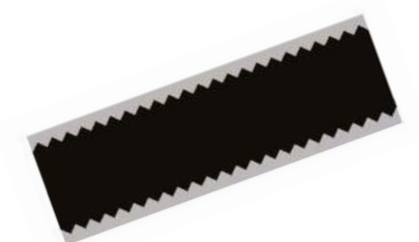
Art.-Nr.	Bezeichnung	Abmessung
531 7601	Repair strip	1.7 x 50 x 10 000 mm
531 7728	Repair strip	2.2 x 70 x 10 000 mm
531 7735	Repair strip	2.2 x 100 x 10 000 mm
531 7742	Repair strip	3.2 x 150 x 10 000 mm
531 7754	Repair strip	3.2 x 220 x 10 000 mm
531 7610	Repair strip	3.4 x 300 x 10 000 mm
531 7611	Repair strip	3.4 x 400 x 10 000 mm

Repair strip V

Self-extinguishing, antistatic and moderate oil resistance.  
For the repair of longitudinal belt cover damage.  
FRAS approved. Tested to AS4606-2012.

Specifications

Polymer basis	CR	DIN ISO 1629
Specific weight	1.39 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Colour	Black	



Repair strip V

Ref. No.	Designation	Dimensions
531 8734	Repair strip V	2.2 x 100 x 10 000 mm
531 8742	Repair strip V	3.2 x 150 x 10 000 mm
531 8759	Repair strip V	3.2 x 220 x 10 000 mm



## COLD SPLICING AND REPAIR MATERIAL

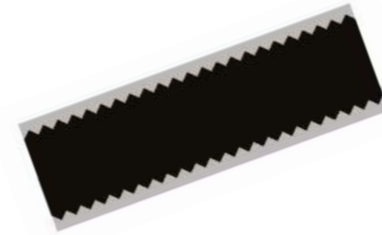
### Cold splicing and repair products

#### Repair strip EP 160, fabric reinforced

For the repair of longitudinal tears in fabric ply and steelcord belts.

##### Specifications

Polymer basis	SBR	DIN ISO 1629
Specific weight	1.14 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	64 Shore A	DIN ISO 7619-1
Colour	Black	



Repair strip EP 160

Ref. No.	Designation	Dimensions
531 5737	Repair strip EP 160	3.6 x 100 x 10 000 mm
531 5744	Repair strip EP 160	4.6 x 150 x 10 000 mm
531 5751	Repair strip EP 160	4.6 x 220 x 10 000 mm
531 7620	Repair strip EP 160	4.8 x 300 x 10 000 mm
531 7621	Repair strip EP 160	4.8 x 400 x 10 000 mm

#### Repair strip EP 160 V, fabric reinforced

Self-extinguishing, antistatic and moderate oil resistance.  
For the repair of longitudinal tears in fabric ply and steelcord belts.  
FRAS approved. Tested to AS4606-2012.

Ref. No.	Designation	Dimensions
531 6751	Repair strip EP 160 V	4 x 220 x 10 000 mm
531 6737	Repair strip EP 160 V	3 x 100 x 10 000 mm



Repair strip EP 160 V

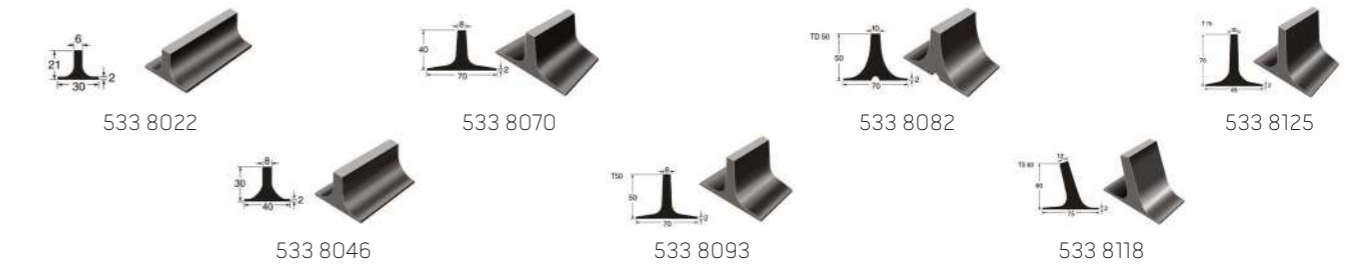
## CLEATS AND SIDEWALLS

### REMAWELL

#### Rubber cleats and corrugated edges

##### REMACLEAT – Rubber cleats

CN bonding layer provides fast and good adhesion.



##### Specifications

Polymer basis	SBR	DIN ISO 1629
Specific weight	1.14 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	64 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Height	Dimensions
533 8022	REMACLEAT T 20/CN	20 mm	base: 30 x 2 000 mm
533 8046	REMACLEAT T 30/CN	30 mm	base: 40 x 2 000 mm
533 8070	REMACLEAT T 40/CN	40 mm	base: 70 x 2 000 mm
533 8093	REMACLEAT T 50/CN	50 mm	base: 70 x 2 000 mm
533 8082	REMACLEAT TD 50/CN	50 mm	base: 70 x 2 000 mm
533 8118	REMACLEAT TS 60/CN	60 mm	base: 75 x 2 000 mm
533 8125	REMACLEAT T 75/CN	75 mm	base: 85 x 2 000 mm

##### Corrugated rubber edge

Available in lengths up to 50 m. Buffing required before applying adhesive.

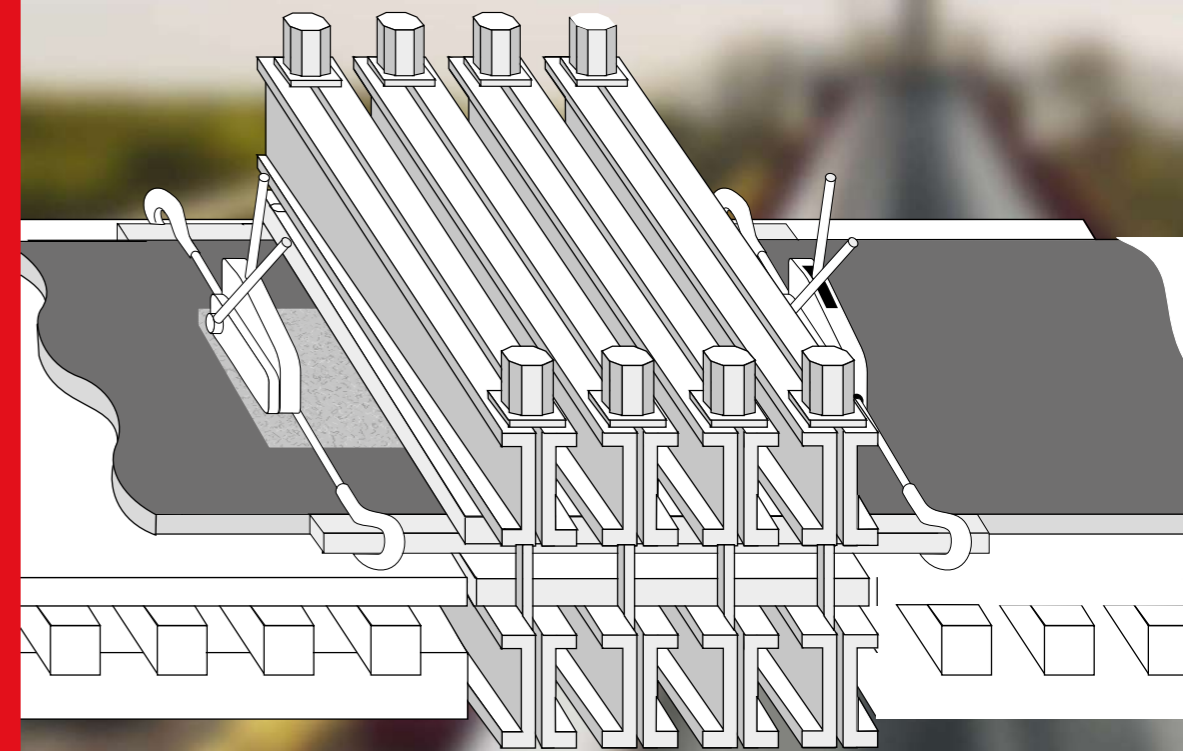
Ref. No.	Designation	Dimensions	Height
574 2290	Corrugated rubber edge WK40	Base width: 30 mm	40 mm
574 2291	Corrugated rubber edge WK60	Base width: 50 mm	60 mm
574 2292	Corrugated rubber edge WK80	Base width: 50 mm	80 mm
574 2293	Corrugated rubber edge WK100	Base width: 50 mm	100 mm
574 2294	Corrugated rubber edge WK120	Base width: 50 mm	120 mm



Corrugated rubber edge

## 13. Hot Splicing & Repair Material

Hot Splicing & Repair Material 260



HOT SPLICING AND REPAIR MATERIAL  
Hot splicing and repair products

Hot splicing and repair products for conveyor belts with fabric plies

**Cover rubber, uncured**

Green protection foil (poly).

**Specifications**

Polymer basis	NR/IR/BR	DIN ISO 1629
Specific weight	1.11 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	63 Shore A	DIN ISO 7619-1
Electric resistance	Antistatic*	
Colour	Black	

Ref. No.	Designation	Dimensions
538 0062	Cover rubber, uncured	1 x 500 x 17 800 mm
538 0000	Cover rubber, uncured	2 x 500 x 9 000 mm
538 0017	Cover rubber, uncured	3 x 500 x 6 000 mm
538 0024	Cover rubber, uncured	4 x 500 x 4 500 mm
538 0031	Cover rubber, uncured	5 x 500 x 3 300 mm
538 0048	Cover rubber, uncured	6 x 500 x 2 800 mm

\* Surface and volume resistivity < 1 x 10<sup>6</sup> Ohm, tested in accordance with DIN EN ISO 284, DIN IEC 93

**Cover rubber V, uncured**

Gray protection foil (poly).  
Self-extinguishing, antistatic and moderate oil resistance  
FRAS approved. Tested to AS4606-2012.

**Specifications**

Polymer basis	CR	DIN ISO 1629
Specific weight	1.39 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Electric resistance	Antistatic*	
Colour	Black	

Ref. No.	Designation	Dimensions
538 0158	Cover rubber V, uncured	2 x 500 x 7 000 mm

\*Surface and volume resistivity < 1 x 10<sup>6</sup> Ohm, tested in accordance with DIN IEC 93 / VDE 0303 part 30.

HOT SPLICING AND REPAIR MATERIAL  
Hot splicing and repair products

**Cover rubber HR, uncured**

Yellow protection foil (poly).  
Heat resistant up to max. 110°C, short peaks up to 130°C.

**Technische Daten**

Polymer basis	BR/IR	DIN ISO 1629
Specific weight	1.11 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	60 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions
538 0206	Cover rubber HR, uncured	2 x 500 x 9 200 mm
538 0196	Cover rubber HR, uncured	3 x 500 x 6 000 mm

**Intermediate rubber (tie gum), uncured**

Ref. No.	Designation	Dimensions
538 0343	<b>Intermediate rubber (tie gum) TNL for Standard, K and HR-quality. White protection foil.</b>	0.8 x 500 x 10 300 mm
538 0189	Intermediate rubber (tie gum) V Green protection foil (poly). FRAS ap- proved. Tested to AS4606-2012.	0.8 x 500 x 9 000 mm

**Repair fabric**

Rubberized on both sides, uncured. Green protection foil (poly).

Ref. No.	Designation	Dimensions	Content
538 0354	Repair fabric EP 160	1.4 x 1 000 x 10 000 mm	10 m roll

HOT SPLICING AND REPAIR MATERIAL  
Hot splicing and repair products

**SOLUTION HL-TNL4**

CHC-free

For Standard, K and HR quality cover rubber.

Ref. No.	Designation	Content	Qty
<b>538 1135</b>	<b>SOLUTION HL-TNL4</b>	500 g (670 ml)	10
<b>538 1143</b>	<b>SOLUTION HL-TNL4</b>	3.5 kg (4.7 l)	1
<b>538 1157</b>	<b>SOLUTION HL-TNL4</b>	7 kg (9.3 l)	1



538 1135

**SOLUTION HCR-4**

CHC-free

Processed with 4 % HARDENER ER-42 or HARDENER E-40 (30 g per 1 kg). For V-quality cover rubber.

Ref. No.	Designation	Content	Qty
<b>538 1646</b>	<b>SOLUTION HCR-4</b>	700 g (730 ml)	10
<b>525 1151</b>	<b>HARDENER ER-42</b>	30 g	10
<b>525 1067</b>	<b>HARDENER E-40</b>	30 g	10



525 1067

**Accessories – Steel cord belts**

Ref. No.	Designation	Dimensions	Content
<b>538 0990</b>	<b>Shirting, black</b>	1 000 mm	per m
<b>538 1009</b>	<b>Pressure compensation cloth, Rayon</b>	1 250 mm	per m
<b>527 0550</b>	<b>Silicone paper</b>	80 mm	25 m
<b>537 0215</b>	<b>Shirting silk</b>	1500 mm	per m
<b>538 1061</b>	<b>Silicone paper</b>	1300 mm	500 m roll



538 0990



538 1009

HOT SPLICING AND REPAIR MATERIAL  
Hot splicing and repair products

Hot splicing and repair products for steel cord conveyor belts

**Cover rubber sheeting STB, uncured**

Green protection foil.

Other thicknesses on request.

Provides the following properties: compatible with conveyor belt according to DIN 2231 X, Y, W and DIN EN ISO 15236 H, D, L

**Specifications**

<b>Polymer basis</b>	NR/IR/BR	DIN ISO 1629
<b>Specific weight</b>	1.11 g/cm <sup>3</sup>	DIN EN ISO 1183-1
<b>Hardness</b>	63 Shore A	DIN ISO 7619-1
<b>Colour</b>	Black	

Ref. No.	Designation	Dimensions
<b>538 0055</b>	Cover rubber sheeting STB, uncured	1 x 500 x 17 800 mm
<b>538 0505</b>	Cover rubber sheeting STB, uncured	2 x 500 x 9 000 mm
<b>538 0464</b>	Cover rubber sheeting STB, uncured	3 x 500 x 6 000 mm
<b>538 5691</b>	Cover rubber sheeting STB, uncured	3 x 1 400 x 23 000 mm
<b>538 0471</b>	Cover rubber sheeting STB, uncured	4 x 500 x 4 500 mm
<b>538 6341</b>	Cover rubber sheeting STB, uncured	4 x 1 400 x 23 000 mm
<b>538 0488</b>	Cover rubber sheeting STB, uncured	5 x 500 x 3 300 mm
<b>538 5138</b>	Cover rubber sheeting STB, uncured	5 x 1 400 x 23 000 mm
<b>538 0495</b>	Cover rubber sheeting STB, uncured	6 x 500 x 2 800 mm
<b>538 5031</b>	Cover rubber sheeting STB, uncured	6 x 1 400 x 23 000 mm
<b>538 5556</b>	Cover rubber sheeting STB, uncured	12 x 1 400 x 11 500 mm
<b>538 5580</b>	Cover rubber sheeting STB, uncured	15 x 1 400 x 11 500 mm

HOT SPLICING AND REPAIR MATERIAL  
Hot splicing and repair products

Intermediate rubber STZ NL, uncured

Red protection foil (poly).



538 0605

Specifications

Polymer basis	NR/BR/SBR	DIN ISO 1629
Specific weight	1.18 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	65 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions
538 0605	Intermediate rubber STZ NL, uncured	0.5 x 500 x 33 000 mm
538 0611	Intermediate rubber STZ NL, uncured	1 x 500 x 16 400 mm
538 0622	Intermediate rubber STZ NL, uncured	2 x 500 x 8 200 mm
538 0644	Intermediate rubber STZ NL, uncured	2 x 1 400 x 23 000 mm

HOT SPLICING AND REPAIR MATERIAL  
Hot splicing and repair products

Intermediate rubber strips STZ NL, uncured

Red protection foil (poly).

Specifications

Polymer basis	NR/BR/SBR	DIN ISO 1629
Specific weight	1.18 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Hardness	65 Shore A	DIN ISO 7619-1
Colour	Black	

Ref. No.	Designation	Dimensions	Content
544 0053	Intermediate rubber strips STZ NL, uncured	2 x 5 x 8 200 mm	19 rolls
544 0063	Intermediate rubber strips STZ NL, uncured	2.5 x 5 x 6 800 mm	19 rolls
544 0153	Intermediate rubber strips STZ NL, uncured	2 x 6 x 8 200 mm	17 rolls
544 0163	Intermediate rubber strips STZ NL, uncured	2.5 x 6 x 6 800 mm	17 rolls
544 0203	Intermediate rubber strips STZ NL, uncured	2 x 7 x 8 200 mm	14 rolls
544 0273	Intermediate rubber strips STZ NL, uncured	2 x 8 x 8 200 mm	12 rolls
544 0283	Intermediate rubber strips STZ NL, uncured	2.5 x 8 x 6 800 mm	12 rolls
544 0353	Intermediate rubber strips STZ NL, uncured	2 x 9 x 8 200 mm	11 rolls
544 0363	Intermediate rubber strips STZ NL, uncured	2.5 x 9 x 6 800 mm	11 rolls
544 0373	Intermediate rubber strips STZ NL, uncured	3 x 9 x 6 800 mm	11 rolls
544 0433	Intermediate rubber strips STZ NL, uncured	2 x 10 x 8 200 mm	10 rolls
544 0443	Intermediate rubber strips STZ NL, uncured	2.5 x 10 x 6 800 mm	10 rolls
544 0513	Intermediate rubber strips STZ NL, uncured	2 x 11 x 8 200 mm	9 rolls
544 0623	Intermediate rubber strips STZ NL, uncured	3 x 12 x 6 800 mm	8 rolls
544 0683	Intermediate rubber strips STZ NL, uncured	2 x 13 x 8 200 mm	8 rolls
544 0693	Intermediate rubber strips STZ NL, uncured	2.5 x 13 x 6 800 mm	8 rolls

Other sizes available upon request.

HOT SPLICING AND REPAIR MATERIAL  
Hot splicing and repair products

**STZ extruder**

For correct and quick filling of a steelcord splice.

Ref. No.	Designation	Dimensions	Content
544 0903	STZ NL filling strips	4 x 20 mm	2 kg

**SOLUTION STL-NL4**  
CHC-free

Ref. No.	Designation	Content	Qty
538 0755	SOLUTION STL-NL4	500 g (670 ml)	10
538 0762	SOLUTION STL-NL4	2 kg (2.67 l)	1
538 0773	SOLUTION STL-NL4	3.5 kg (4.67 l)	1
538 0787	SOLUTION STL-NL4	7 kg (9.3 l)	1



538 0755

**Accessories – Steel cord belts**

Ref. No.	Designation	Dimensions	Content
538 0990	Shirting, black	1 000 mm	per m
538 1009	Pressure compensation cloth, Rayon	1 250 mm	per m
538 1092	Silicone paper	600 mm	500 m roll
538 1085	Silicone paper	900 mm	500 m roll
538 1078	Silicone paper	1 200 mm	500 m roll
538 1061	Silicone paper	1 300 mm	500 m roll
538 1054	Silicone paper	1 500 mm	500 m roll
538 1023	Silicone paper	2 180 mm	500 m roll



538 0990



538 1009

ADHESIVES AND RUBBER SOLUTIONS BASED ON TRICHLOROETHYLENE

**SOLUTION STL-RF**  
Non-flammable

Heating solution for steel cord conveyor belts.

Ref. No.	Designation	Content	Qty	Made in
538 1239	SOLUTION STL-RF	1 kg (690 ml)	10	ZA

**SOLUTION HL-T**  
Non-flammable

Heating solution for conveyor belts with fabric plies with Standard, K and HR-quality cover rubber sheeting.

Ref. No.	Designation	Content	Qty	Made in
538 1311	SOLUTION HL-T	1 kg (690 ml)	10	ZA

## HOT SPLICING AND REPAIR MATERIAL

### Hot splicing and repair products

#### Splicing kits for fabric conveyor belts

REMA TIP TOP conveyor belt splicing and repair materials are recognized internationally for their premium quality and innovation. REMA TIP TOP have developed an extensive range of splicing, repair materials and tools for applications from minor repairs to complex steel cord conveyor belt splicing. REMA TIP TOP splice kits and belt repair materials have been developed using our extensive knowledge, experience and proven performance in extreme applications worldwide. REMA TIP TOP conveyor belt splicing and repair materials deliver high quality compounds with a uniform gauge, unmatched shelf life and compatibility with most major brands of belting. REMA TIP TOP fabric multiply splicing kits contain all required quantities for on-site conveyor belt splicing.

##### Area of application

- High Quality raw materials
- Long Shelf Life
- Materials and solutions available separately for repairs
- Compatibility with most major brands of belting
- FRAS qualities available
- Special Compounds – Heat Resistant, Oil resistant

##### Advantages

- Splicing and repair of multiply fabric conveyor belts.
- Workshop of site

##### Contents

- Cover Rubber, uncured
- Intermediate rubber (tie gum), uncured
- Repair Fabric
- Solution HL-TNL4
- Hardener E-40
- Cleaning Solvent CF-R4/CFCE
- Silicone Release Paper
- Nylon Release Fabric
- Tools - Measuring bucket, brushes, rubber gloves, rags
- Rubbish bag
- Splice Kit contents may vary depending upon splice designation



Splicing kit for fabric conveyor belts

## HOT SPLICING AND REPAIR MATERIAL

### Hot splicing and repair products

#### Splicing kits for steel cord conveyor belts

REMA TIP TOP Steel Cord conveyor belt splicing kits and materials have been developed using our extensive knowledge, experience and proven performance in extreme applications worldwide. With an increased demand for longevity and protection against unplanned interruptions, REMA TIP TOP splicing materials deliver high quality compounds with uniform gauge, unmatched shelf life and compatibility with most major brands of conveyor belting. REMA TIP TOP splicing kits contain all required materials and solutions for on-site conveyor belt splicing. REMA TIP TOP also offers Critical spare splice kit inventory management to further reduce downtime and cost during unplanned outages.

##### Advantages

- Compatible with most belts
- Superior shelf life
- Quality raw materials provide consistent workability
- Fully extruded panels with up to 15mm gauge
- Extrusion process eliminates possibility of air pockets and scorched layers
- Materials and solutions available separately for repairs
- Complementing range of splice preparation tools also available

##### Contents

- STB-STZ NL Combination Cover Panels
- STB- Edge Fill
- STZ NL Intermediate Cord Fill Noodles
- STL-NL4 Heating Solution
- Cleaning Fluid CF-R4, CF-CE
- Tools, Round Head Beltman's Brushes, Measuring buckets
- Silicone Release Paper
- Nylon Release Fabric
- Pressure Equalising Cloth
- Hand Cleaner
- Splice kit contents may vary depending upon splice designation

##### Solutions & Solvents

We provide a range of solutions and solvents for a range of conveyor belt types.



##### STL-NL4

- One solution used for cables and skives reduces wastage and chances of operator error.
- Provides good tack and facilitates cable to tie gum adhesion.
- STL-RF is non-flammable for use in high-risk environments.



Splicing kit for steel cord conveyor belts

##### Cover Compounds

We provide two compounds which exceed most brand name belt specifications.

##### Cover & Repair Compounds

- STB: Exceeds AS-M Grade and DIN-X requirements for abrasion loss, elongation, and tensile strength.
- STB-A: Unique to Australia, providing properties which exceed AS-A Grade and most common brand name belting high abrasion.

##### Tie Gum & Intermediate Cable Fill Noodles

- STZ NL: Excellent cord to rubber and rubber to rubber adhesion. Wire fills available in standard or custom cut dimensions.

## 14. Tools & Accessories

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TOOLS AND ACCESSORIES  
Conveyor Belt Repair Kit

Conveyor Belt Repair Kit

For quickly repairing minor damage to conveyor belts.

This repair kit was compiled in order to easily and effectively fix small to medium damage to conveyor belts. It contains all the materials and tools needed for the repair of breakdowns and longitudinal cracks, as well as cover plate damage of conveyor belts.



Ref. No.	Designation
594 2510	Conveyor Belt Repair Kit

Scope of delivery:

Ref. No.	Designation	Content
594 2130	Tool box, hinged, 5-piece	1
594 0571	Tool rolls bag	1
595 0990	Ball tube marker, white, 6 mm	1
595 0179	Rubber marking pen, white	1
594 0430	Pincers, 250 mm	1
595 1044	Stitcher, with ball bearing, 4 mm	1
595 1123	Stitcher, with ball bearing, 12 mm	1
595 2115	Ply knife, non-adjustable	1
595 2074	Rubber cutting knife, 5", 125 mm blade length	1
595 2177	Don Carlos knife, completely adjustable	1
595 2940	Ply lifter	1
594 0000	Brush, with coconut fibres	1
595 8315	Brush, with short fibre bristles, Ø40 mm	2
594 0370	Rotary wire brush, 18 mm, Ø50 mm	1
595 2690	Angled scissors	1
595 2153	Wetstone, with wooden handle, 200 mm	1
595 8597	Measuring cup, plastic, 180 ml	2

Ref. No.	Designation	Content
525 3105	REMA G00 cartridge, incl. 3 mixing nozzles	1
525 3121	REMA G00 manual cartridge gun	1
525 3112	REMA G00 mixing nozzle, green	1
531 7712	Repair strip, 1.7 x 50 x 10 000 mm	1
531 5738	Repair strip EP 160, fabric reinforced, 3.6 x 100 x 10 000 mm	1
530 5528	Rhomboid Patch EP 160, Size 2, 3.8 x 200 x 260 mm	5
530 5535	Rhomboid Patch EP 160, Size 3, 3.8 x 270 x 360 mm	5
595 9125	SOLVENT CF-R4, CHC-free, 800 ml	1
525 2602	CEMENT SC 4000, black, 780 ml	2
525 1067	HARDENER E-40, 30 g	2
594 0711	Safety goggle XC	1

TOOLS AND ACCESSORIES  
Inspection Tool Kit

Inspection Tool Kit

For on-site inspection.

Customer-oriented solutions to individual problems are the features which distinguish the REMA TIP TOP Service. This Inspection kit for sales representatives includes all of the tools and measuring devices needed to quickly and professionally assess any kind of damage to the equipment or conveyor belts.



Ref. No.	Designation
594 2520	Inspection Tool Kit

Scope of delivery:

Ref. No.	Designation	Content
594 0570	Tool bag	1
594 0450	Engineer's hammer, 0.5 kg	1
594 0240	Glass fibre measuring tape, 25 m	1
594 0230	Roll tape measure, 2 m	1
584 3060	Folding rule, plastic, 2 m	1
594 2010	BOSCH Laser range finder GLM 30 professional	1
595 8528	Shore meter Shore A	1
594 2180	Pocket caliper, 150 mm	1

Ref. No.	Designation	Content
595 8511	Hygrometer	1
571 9070	Infrared radiation thermometer MT6	1
594 0711	Safety goggle XC	1
594 2190	Spirit level, light metal, 600 mm	1
595 8535	Thickness gauge	1
594 2150	Adjustable wrench, chromed, 10"	1

TOOLS AND ACCESSORIES  
Vulcanization Tool Kit

Vulcanization Tool Kit

For conveyor belt splicing.

Decades of experience in conveyor technology is reflected in this tool kit, which consists of extensive basic equipment and specialized tools for professional splicing.



Ref. No.	Designation
594 2500	Vulcanization Tool Kit

Scope of delivery:

Ref. No.	Designation	Content
594 2130	Tool box, hinged, 5-piece	1
594 0571	Tool rolls bag	1
595 1154	Needle stitcher, 46 mm	1
595 2139	Angled knife	1
595 2304	Scissors, 10" (250 mm)	1
595 2153	Wetstone, with wooden handle, 200 mm	1
595 0179	Rubber marking pen, white	1
595 0193	Refill, for rubber marking pen	1
595 8449	Wax marking chalk, white	1
594 0580	Pincers, with lever nose	1
595 1130	Stitcher, with ball bearing, 45 mm	1
595 1044	Stitcher, with ball bearing, 4 mm	1
595 2184	Rubber knife, 10"	1
595 0564	Rotary steel wire brush, Ø100 mm	1
595 0571	Rotary steel wire brush, Ø80 mm	1
595 8803	Grooved wire brush, 100 mm	1
595 4182	Rotary wire brush, cylindrical	1
594 2020	METABO Angle grinder WEV 10-125 Quick	1
595 8205	Tool arbor, for angle grinder	1
594 1070	METABO face disc, Ø125 mm, M 14	1
594 0670	METABO face nut, M 14	1
594 0240	Glass fibre measuring tape, 25 m	1
594 0230	Roll tape measure, 2 m	1
584 3060	Folding rule, plastic, 2 m	1

Ref. No.	Designation	Content
594 0490	Universal knife, 150 mm, retractable blade	1
594 0500	"Trapez" spare blade	10
594 0000	Brush, with coconut fibres	1
595 0310	Chalk line, incl. chalk dust container	1
595 0300	Chalk dust refill	1
594 2140	BOSCH Hot air blower GHG 660 LCD	1
571 8100	Combination spanner set, 12-piece, 10 - 30 mm	1
594 0411	Screwdriver, 14 x 250 mm	1
571 8014	Water pump pliers	1
571 8016	Side-cutting pliers	1
594 0460	Engineer's hammer, 1 kg	1
594 0450	Engineer's hammer, 0.5 kg	1
594 0470	Rubber mallet	1
595 0069	Rotary steel wire brush, adjustable	1
595 8315	Brush, with short fibre bristles, Ø40 mm	2
594 0711	Safety goggle XC	1

TOOLS AND ACCESSORIES  
Pneumatic tools and accessories



595 2270

Rubber cutting machine

Rubber cutting machine Model 32

For cutting rubber, conveyor belts with fabric inserts and Polyurethane.

- The cutting machine is designed to provide forward feed through the rotary movement of the cutting knife
- Overload-proof pneumatic motor
- Straight, right-angled, exact cut
- Cutting capacity (in rubber): up to 50 mm
- Rubber hardness: 40 - 90 Shore A
- Rubber thickness: max. 50 mm
- Air pressure: max. 6.3 bar / 210 psi
- Air volume requirement: 15.5 ltr/sec.
- Air hose connector: 1/4"
- Air hose inner Ø: min. 8 mm
- Weight: 8 kg
- Speed: 60 rpm

Ref. No.	Designation
595 2270	Rubber cutting machine type 32 includes 1x spiral supply hose 5 m

Accessories - Rubber cutting machines type 21/32

Ref. No.	Designation
595 2249	Spare circular blade type 32, Ø200 mm
595 2706	Adapter for blade
595 2720	Plastic roll, Ø24 mm
595 2744	Brass roll (blade guide)
595 2751	Spare lamella for compressed-air motor
518 4251	Maintenance set includes 1x air nipple, 1x coupling, 1x wall bracket
595 2713	Spiral supply hose, 5 m, inner diameter 8.0 mm includes nipple and quick coupling
595 2768	Cutting guide SL-32 Roller set with cutting guide (with swivel arm bracket). To be mounted on rubber cutting machine type 32. Used as a cutting guide for cutting REMAGRIP 70/CN-SL strip lagging to size.
595 2232	Spare circular blade type 21, Ø143 mm

## TOOLS AND ACCESSORIES

### Electric tools



595 0904



Junio Stripper 3



595 3540



595 3520



595 3530

## Stripper devices

### Stripper device Junio Stripper 3

- For removing old rubber lagging/lining from smooth metal surfaces (e.g. pulley lagging)
- Scope of delivery: Hand stripper Junio3 (230/115 V), blade 120 mm, flat wrench SW10, transport container, ear protection and operating instructions

Ref. No.	Designation	Power	Voltage	Weight
595 0960	Junio Stripper 3 - 230 V, blade width 120 mm	800 W	230 V	3.6 kg
595 0970	Junio Stripper 3 - 115 V, blade width 120 mm	800 W	110 V	3.6 kg
595 0904	Spare blade, 120 mm For Junio Stripper 3 (595 0960, 595 0970) and prior model, Junio Stripper HS 800 (595 0887).			
595 1202	Spare blade, 135 mm For prior model, "Combi-Stripper" (595 1185).			

### Supercut FSC 2.0

The Supercut FSC 2.0 with its oscillating blade is suitable for removing small parts of rubber lining especially where space and access is limited.

Top covers of steel cord conveyor belts are safe and easy to remove with the included blade and scraper.

- Wattage/Power: 400 W
- Oscillations: 11 000 - 18 000 rpm
- Weight: 1.5 kg

Ref. No.	Designation	Content
595 3540	Supercut FSC 2.0 - 230 V	
595 3520	Blade for Supercut FSC 2.0	5
595 3530	Scraper for Supercut FSC 2.0	2

## TOOLS AND ACCESSORIES

### Electric tools



RUBBER CUT 314



RUBBER CUT 414

## Regroovers

### RUBBER CUT 314

- For regrooving all tread patterns on commercial vehicle tyres
- 4-step temperature switch on main transformer for different cutting speeds
- Handle with separate transformer enables fatigue-free handling
- Flexible connection cable for optimum movability of the handle
- Most advanced safety technology with all approval seals
- Cutting width with FIX regrooving blades 3 - 28 mm
- Length: 2000 mm connection
- Temperatur range: 4 heat settings
- Weight: 3.8 kg

Ref. No.	Designation	Electric power/connection
564 1200	RUBBER CUT 314 / 230 V	230 V / 300 W
564 1210	RUBBER CUT 314 / 115 V	115 V / 300 W

### RUBBER CUT 414

- Ergonomic design for fatigue- proof regrooving
- 4-step temperature switch on main transformer with MIN/MAX-selector allows 8 heating levels for different cutting speeds
- Automatic overheating cutout according to DIN 30600
- Insulated cutting head
- Greater freedom of movement and easy guiding due to separation of handle and transformer
- Cutting width with FIX regrooving blades 3 - 28 mm
- Prepared for wall mounting
- GS-tested, meets recognized safety Standards
- Length: 2000/2500 mm connection
- Temperatur range: 8 heat settings
- Weight: 3.8 kg

Ref. No.	Designation	Electric power/connection
564 1220	RUBBER CUT 414 230 V	230 V / 300 W
564 1230	RUBBER CUT 414 115 V	115 V / 300 W

### Cutting knives for regroovers

#### Round blades

Ref. No.	Designation	Groove width	Groove depth	Qty
564 2803	Round blades R Fix 1	3 - 4 mm	max. 7 mm	20
564 2810	Round blades R Fix 2	5 - 6 mm	max. 8 mm	20
564 2827	Round blades R Fix 3	6 - 8 mm	max. 10 mm	20
564 2834	Round blades R Fix 4	9 - 10 mm	max. 14 mm	20
564 2841	Round blades R Fix 5	10 - 14 mm	max. 16 mm	20



564 2841

#### Angular blades

Ref. No.	Designation	Groove width	Groove depth	Qty
564 2858	Angular blades W Fix 1	3 - 4 mm	max. 7 mm	20
564 2865	Angular blades W Fix 2	5 - 6 mm	max. 8 mm	20
564 2872	Angular blades W Fix 3	6 - 8 mm	max. 10 mm	20
564 2889	Angular blades W Fix 4	9 - 10 mm	max. 14 mm	20
564 2896	Angular blades W Fix 5	10 - 14 mm	max. 16 mm	20
564 2906	Angular blades W Fix 6	17 - 20 mm	max. 16 mm	10



564 2906

### Extruder NAILHOLE

- Rubber throughput: 6 kg/h
- Operating pressure: 5 - 8 bar / 115 - 265 psi
- Temperature range: up to 120 °C / 248 °F

Ref. No.	Designation	Electric power/ connection
517 7615	REMA TIP TOP extruder NAILHOLE, pneumatic	115 V / 400 W

### Extruder COMPOUND MASTER

- The effective hand extruder for easy processing of unvulcanized T2 COMPOUND in workshops or on site
- Sturdy A.C. drive unit
- Shoulder strap included
- Self-cooling aluminium housing for extruder worm
- Safe material supply due to large feeding hopper
- Homogeneous mixture ensured by integrated mixing chamber
- Quickly exchangeable jet moulding nozzle
- Rubber throughput: 24 kg/h
- Weight: 8.5 kg



517 5160, 517 5150

Ref. No.	Designation	Electric power/ connection
517 5150	REMA TIP TOP extruder COMPOUND MASTER	230 V / 1600 W
517 5160	REMA TIP TOP extruder COMPOUND MASTER	115 V / 1600 W
517 3592	Nozzle adapter set, for COMPOUND MASTER	

### STZ Extruder

- Extruder gun for the rational filling of gaps between steel cables with STZ intermediate rubber
- Engine speed of 250 rpm for the optimum viscosity and the uniform flowing of the rubber
- Lightweight, robust design "Made in Germany"
- Handle mountable on both sides for left and right-handed
- New filler neck for safe handling
- Rubber troughput: 28 kg/h
- Weight: 5.6 kg



517 5174, 517 5175

Ref. No.	Designation	Power
517 5174	STZ Extruder	230 V/1300 W
517 5175	STZ Extruder	110 V/1300 W
517 5176	Bow handle (additional accessoire)	

## REMASTRIP

### REMASTRIP - Cable stripping system

For stripping steel cables when preparing belt splices. The cutting device is designed for cable pitches of 10 - 25 mm and for diameters of 4.9 to 11.3 mm.

#### Scope of delivery

- 595 1549 5 Blades, top, for cable Ø 7.2 mm
- 595 1642 5 Blades, bottom, for cable Ø 7.2 mm
- 595 1587 5 Blades, top, for cable Ø 9.7 mm
- 595 1680 5 Blades, bottom, for cable Ø 9.7 mm
- 595 1721 1 Blade holder No. 1, top, for max. 8.9 mm cable Ø
- 595 1745 1 Blade holder No. 1, bottom, for max. 8.9 mm cable Ø
- 595 1738 1 Blade holder No. 2, top, for 9.0 mm cable Ø and above
- 595 1752 1 Blade holder No. 2, bottom, for 9.0 mm cable Ø and above
- 595 1769 1 Pressure roller No. 1, top, for max. 8.9 mm cable Ø
- 595 1941 1 Pressure roller No. 2, top, for 9.0 mm cable Ø and above
- 595 1879 2 Setting gauges (for rough adjustment of cutting unit)

#### Additional articles for ST 10000 belts:

- 595 1753 1 Blade holder No. 3, top
- 595 1754 1 Blade holder No. 3, bottom
- 595 1942 1 Pressure roller No. 3, top



Ref. No.	Designation
595 1968	REMASTRIP cutting device, left side version
595 1969	REMASTRIP cutting device, right side version

### REMASTRIP - Pulling unit

- Opening of the cable sheaves protection on the other side so that the pulley unit can be used as left and right version
- U-profile below the sheave for a safe cable guide
- Securing of the protection against unauthorized removal

**Caution:** Pulling unit may only be used for pulling in a horizontal direction. The lifting of loads is prohibited!



Specifications	595 1911	595 1913
Voltage	3 PH - 220 V	380 - 500 V
Rated current	5.6 / 9.8 A	5.5 A
Engine power	0.6 / 2.4 kW	0.22 / 2.2 kW
Torque on the gear	625 / 615 Nm	560 Nm / max. 820 Nm
Output speed on the gear	9.2 / 37 r/min	3.8 - 38 r/min continuous setting
Cable length	7 m	7 m
Control voltage on control panel	220 V	24 V
Total weight	approx.: 80 kg	approx.: 83 kg
Protective voltage on control panel		•
Engine with holding brake		•

Ref. No.	Designation
595 1911	Pulling unit, 220 V
595 1913	Pulling unit, 380 - 500 V Protective voltage on control panel - engine with holding brake (no rotating back against the operating direction when cable is under tension)
595 1927	Slide unit, 3 m, for belt widths up to 2200 mm
595 1934	Slide unit, 4 m, for belt widths from 2200 mm

TOOLS AND ACCESSORIES  
Conveying belt handling

REMASTRIP - Blades

Ref. No.	Designation	For cable Ø	Qty
595 1524	Blades, top	3.9 mm	50
595 1627	Blades, bottom	3.9 mm	50
595 1525	Blades, top	4.9 mm	50
595 1628	Blades, bottom	4.9 mm	50
595 1532	Blades, top	5.6 mm	50
595 1635	Blades, bottom	5.6 mm	50
595 1604	Blades, top	6.2 mm	50
595 1707	Blades, bottom	6.2 mm	50
595 1549	Blades, top	7.2 mm	50
595 1642	Blades, bottom	7.2 mm	50
595 2335	Blades, top	7.5 mm	50
595 2342	Blades, bottom	7.5 mm	50
595 1556	Blades, top	8.1 mm	50
595 1659	Blades, bottom	8.1 mm	50
595 1563	Blades, top	8.6 mm	50
595 1666	Blades, bottom	8.6 mm	50
595 1570	Blades, top	8.9 mm	50
595 1673	Blades, bottom	8.9 mm	50
595 1587	Blades, top	9.7 mm	50
595 1680	Blades, bottom	9.7 mm	50
595 2359	Blades, top	10.6 mm	50
595 2366	Blades, bottom	10.6 mm	50
595 1594	Blades, top	11.3 mm	50
595 1697	Blades, bottom	11.3 mm	50
595 1611	Blades, top	12.0 mm	50
595 1714	Blades, bottom	12.0 mm	50
595 2311	Blades, top	12.5 / 13.2 mm	50
595 2328	Blades, bottom	12.5 / 13.2 mm	50
595 2312	Blades, top	16.0 mm	50
595 2329	Blades, bottom	16.0 mm	50

TOOLS AND ACCESSORIES  
Conveying belt handling

Vice grip, belt tensioner, PSC cutter

Vice grip

Ref. No.	Designation	Tensile load
595 1329	Vice grip Size 2	max. 8 kN
595 1336	Vice grip Size 3, HD model	max. 30 kN



595 1329

PSC cutter

Cutting capacity: DIN belts up to ST3150, max. belt thickness 28 mm.

Ref. No.	Designation
595 2380	PSC cutter
595 0810	Spare blade for PSC cutter



595 2380

TOOLS AND ACCESSORIES  
Measuring and testing

Thickness measuring equipment

Thickness gauge

Measurement range 0 - 30 mm.

Ref. No.	Designation
595 8535	Thickness gauge



595 8535

Wet-film thickness gauge

The various measuring teeth are ideal for measuring wet film thicknesses quickly and easily.

Ref. No.	Designation
595 2960	Wet film thickness gauge



595 2960

Microtester

The handy Microtester makes it easy to measure the thickness of rubber linings in all positions. This automatic measuring device accurately indicates the thickness of the lining through trailing pointers. Thus, measuring errors are avoided. This device is optimally suited to metallic surfaces, due to its magnetic working process.

Ref. No.	Designation
595 2870	Microtester (0.5 - 5 mm)
595 2880	Microtester (2.5 - 10 mm)



595 2870; 595 2880

Measuring equipment

Shore meters

Ref. No.	Designation
595 8528	Shore meter Shore A
595 8542	Shore meter Shore D



595 8528

TOOLS AND ACCESSORIES  
Measuring and testing



595 1397

595 1415

595 2680

595 2860

Electrical insulation tester

Electrical device for detection of perforations in corrosion-protection linings made of special rubber.

Ref. No.	Designation
595 1397	ELMED-Isotest Inspect 35 includes 1x testing device, 1x bag with holding strap, 1x accumulator, 1x charger 230 V/50 Hz, 1x earth cable (10 m) with connector plug and clamping tongs, 1x aluminium transport case, 1x factory and calibration certificate
595 1430	Brazen flat brush, length 300 mm
595 1415	Insulation tester UNION includes 1x testing device with charging unit, 1x aluminium case, 1x earth cable (10 m), 1x flat brush (300 mm)
595 2680	Wegener testing gun The Wegener testing gun provides the only option to spark-test fully rubber-lined components, as it does not require any earth connection. Includes 1x testing device, 1x flat brush, 1x testing broom

Surface Comparator

For testing surface structure following grit- or sand-blasting (4 roughness grades).

Ref. No.	Designation
595 2860	Surface Comparator

Measuring cup

For dosing adhesives, heating solutions, hardeners, etc.

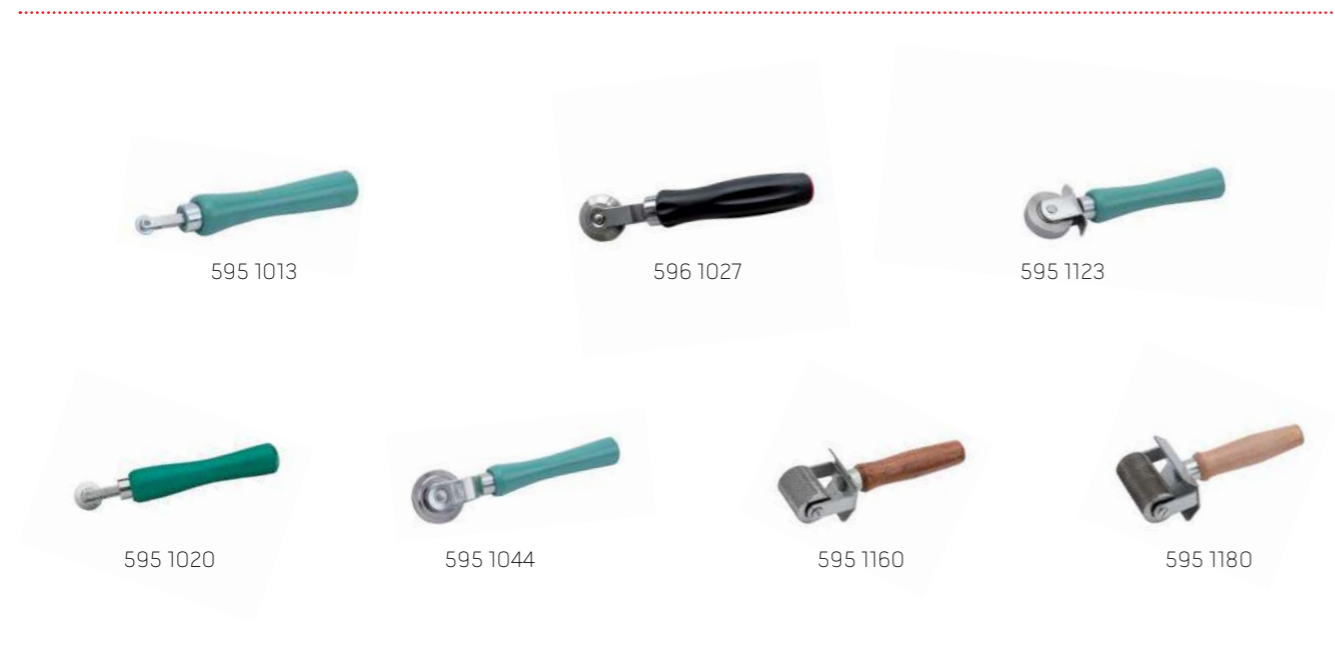
Ref. No.	Designation
595 8597	Measuring cup, 180 ml, plastic



595 8597

## TOOLS AND ACCESSORIES

### Working tools



## Stichers

### Stichers

For smooth application of repair patches or rubber.

Ref. No.	Designation	Size
595 1013	Stitcher, corrugated	Ø 13 mm, width 1.5 mm
595 1020	Stitcher, corrugated	Ø 25 mm, width 2 mm
595 1051	Stitcher, corrugated	Ø 45 mm
596 1027	Stitcher standard, corrugated	Ø 35 mm, width 4 mm
595 1044	Stitcher, with ball bearing, corrugated	Ø 35 mm, width 4 mm
595 1160	Stitcher, with ball bearing, corrugated	Ø 40 mm, width 46 mm
595 1180	Stitcher, with ball bearing, corrugated	Ø 40 mm, width 76 mm
595 1123	Stitcher, with ball bearing, plain surface	Ø 35 mm, width 12 mm
595 1130	Stitcher, with ball bearing, plain surface	Ø 45 mm

### Accessories - RAS and SRAS

Ref. No.	Designation	
510 1540	Hand ratchet	
510 2240	Hand rasp Ø 6 mm	

## TOOLS AND ACCESSORIES

### Working tools



Ref. No.	Designation	Size
595 2790	Stitcher, corrugated	31 mm
595 2800	Neckstitcher	4 mm
595 2810	Stitcher, plain surface	34 mm
595 2820	Stitcher, opanol	6 mm
595 2830	Stitcher, pea	2 mm
595 2840	Stitcher, scaled	12 mm

### Needle stitchers

For perforating cushion gum.

Ref. No.	Designation	Size	Width	Content
595 1147	Needle stitcher	Ø 50 mm	27 mm	1
595 1154	Needle stitcher	Ø 50 mm	46 mm	1
595 1950	Needle stitcher	Ø 52 mm	76 mm	1
595 0849	Spare needles, chromium	1.5x12 mm		3000



## TOOLS AND ACCESSORIES

### Working tools

#### Double-acting rollers

##### REMAPRESS MDR

Manual Driven Roller (MDR) for the application on fabric conveyor belt splicing.

- Reduced effort due to easy-running needle bearings
- Defined contact pressure over a torque wrench
- Optimized role design
- All components resistant to corrosion due to red and black coating



REMAPRESS MDR

Ref. No.	Designation	Belt Width	Weight
595 1218	Roller Size 1	up to BW 800 mm	3.6 kg
595 1225	Roller Size 2	up to BW 1200 mm	7.5 kg
595 1232	Roller Size 3	up to BW 1600 mm	10 kg
595 1256	Roller Size 4	up to BW 2000 mm	12.5 kg

#### Retrofit kit

With the retrofit kit all older mechanical double acting rollers can be upgraded with little effort with smooth-running needle bearings.



Retrofit kit

Ref. No.	Designation
595 1210	Retrofit kit

#### REMAPRESS EDR

The world's first Electric Driven Roller (EDR) for the application on fabric conveyor belt splicing developed and designed by REMA TIP TOP.

- Constant contact pressure over the entire bonding surface and belt width
- Equilibrium speed in forward and reverse motion leads to a homogeneous liability at each point of the splicing
- Defined contact pressure with a torque wrench
- Profiled drive wheel to avoid slip
- Electric power/connection 24 V dc
- Torque 10 Nm
- Voltage 230 V, 60 Hz / 110 V, 50 Hz



REMAPRESS EDR

Ref. No.	Designation	Belt Width	Weight
595 1220	Roller Size 1	up to BW 1200 mm	19.4 kg
595 1230	Roller Size 2	up to BW 1600 mm	20.8 kg
595 1250	Roller Size 3	up to BW 2000 mm	22.1 kg

## TOOLS AND ACCESSORIES

### Working tools



#### Knives and cutting tools

##### Rubber knives

- Chromium-plated blade
- Black, knobbed handle with ergonomic grip

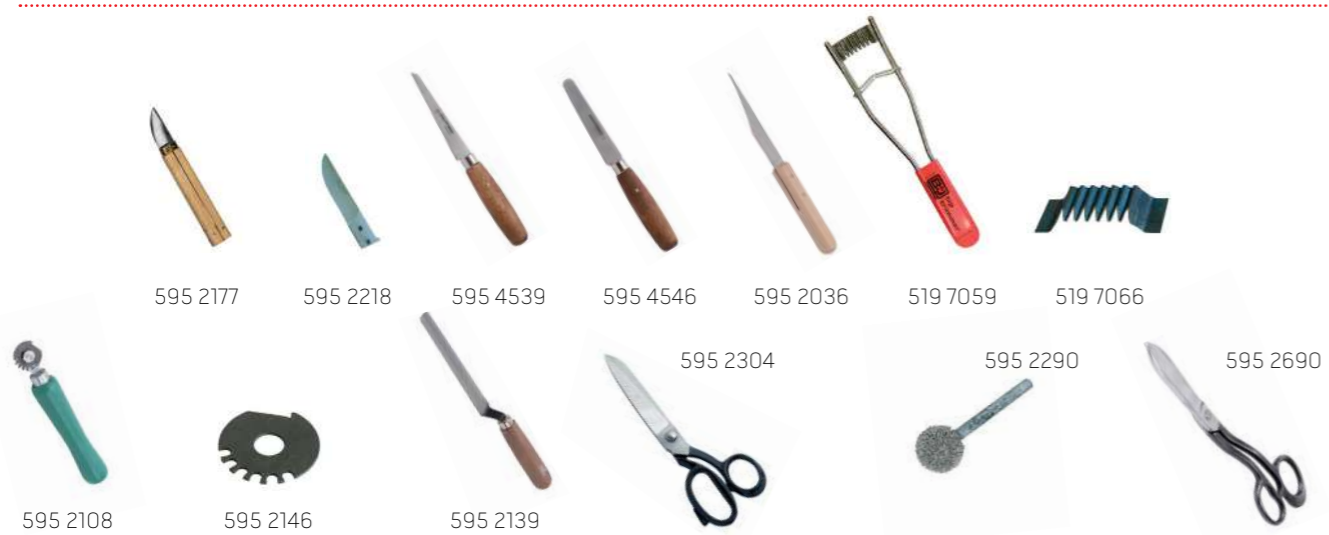
Ref. No.	Designation	Length
595 2074	Rubber knife	5" / 125 mm
595 2067	Rubber knife	6" / 145 mm
595 2050	Rubber knife	8" / 200 mm
595 2184	Rubber knife	10" / 250 mm
595 2191	Rubber knife	12" / 310 mm

##### Knives

Ref. No.	Designation
595 2012	Knife "Don Carlos", adjustable
595 2029	Spare blade, for 595 2012
595 2115	Ply knife, nonadjustable
595 2373	Ply knife "TOP"
595 2081	Push knife "Quarter moon"
595 2098	Push knife "Flat moon"
594 0490	Universal knife, 150 mm, retractable blade, incl. 5 blades in handle
594 0480	Cutting knife, 135 mm, incl. 5 blades in handle
594 0500	"Trapeze" spare blade, for 594 0490, 594 0480 (10 pieces)
594 0510	"Hook" spare blade, for 594 0490, 594 0480 (10 pieces)
594 0530	All-metal universal knife
594 0520	Spare blade, for 5940530 (10 pieces)

## TOOLS AND ACCESSORIES

### Working tools



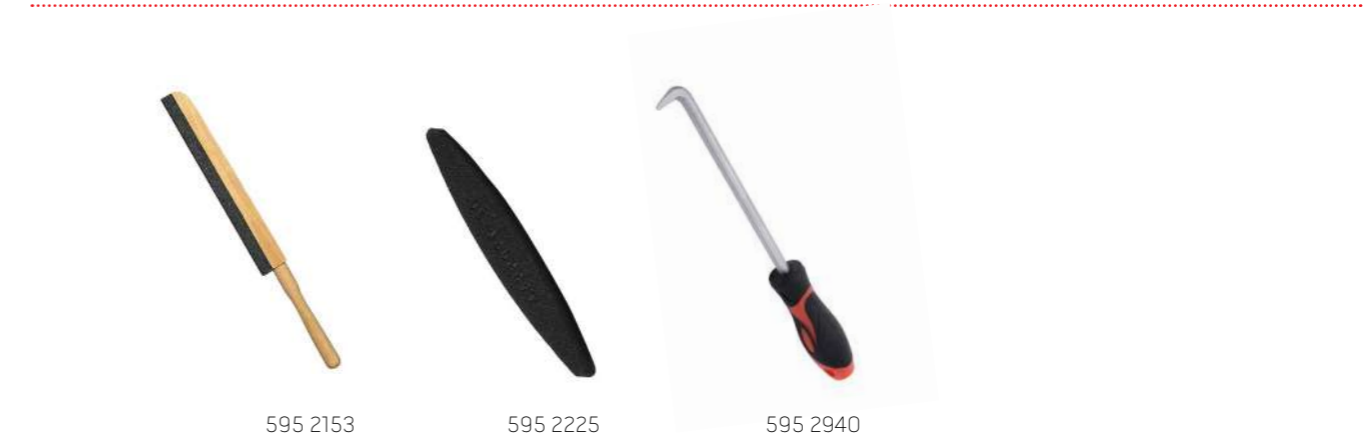
#### Cutting tools

For the preparation of damages on tyres of every type.

Ref. No.	Designation	Length	Width
595 2177	Don Carlos knife, 8", with retractable blade	210 mm	
595 2218	Spare blade <b>Suitable for:</b> Cutter 8"		
595 4539	Knife, 4", strait	100 mm	
595 4546	Knife, 4", flat	100 mm	
595 2036	Rubber knife	130 mm	
519 7059	Overflow cutter, large		50 mm
519 7066	Spare blade <b>Suitable for:</b> Overflow cutter, large		50 mm
595 2108	Scratch knife, adjustable		
595 2146	Spare blade <b>Suitable for:</b> Scoring knife adjustable		
595 2139	Offset flexible knife		
519 7120	DOT/serial numbers knife handle, with one blade Special knife for removal of original DOT/serial numbers		
519 7130	Blade set (12 pcs.) <b>Suitable for:</b> DOT serial numbers knife handle		
595 2287	Scissors, 8"	200 mm	
595 2304	Scissors, 10"	250 mm	
595 2290	Scissors with ergonomic soft handle made of ABS plastic Blades made of stainless steel. HRC 50-54. <b>For right or left handers.</b>	250 mm	
595 2690	Angled scissors		

## TOOLS AND ACCESSORIES

### Working tools



#### Working tools and accessories

##### Wetstones

For sharpening of knife blades.

Ref. No.	Designation	Length	Size
595 2153	Wetstone, with wooden handle	200 mm	
595 2225	Wetstone	230 mm	
595 2160	Steel sharpener 8", with plastic handle	230 mm	

##### Ply lifter

For preparing fabric conveyor belt splices.

Ref. No.	Designation
595 2940	Ply lifter

## TOOLS AND ACCESSORIES

### Working tools



595 0186   595 4649   595 8308   595 8315   595 8339   595 9307   595 8322   595 8353

#### Brushes for solutions

The thickness of the brush and the hardness of the bristles have a determining influence on the quality and economy of the coat of cement in the skive, on the inner liner and on the patch.

Ref. No.	Designation	Dia.	Length	Width	Content
595 0186	Brush, with natural fibre <b>Suitable for:</b> All cements	35 mm	30 mm		
595 4649	Brush cover, with brush				
595 8308	Special brush, with short fibre bristles <b>Suitable for:</b> SPECIAL CEMENT BL, SOLUTION HR etc.	25 mm	39 mm		
595 8315	Special brush, with short fibre bristles <b>Suitable for:</b> SPECIAL CEMENT BL, SOLUTION HR etc.	40 mm	40 mm		
595 8339	Special brush, with long fibre bristles	60 mm			
595 9307	Special brush, specially short bristles <b>Suitable for:</b> SPECIAL CEMENT BLX and paste	20 mm			
595 8322	Flat brush, with short bristles <b>Suitable for:</b> INNERLINER SEALER		25 mm	25 mm	
595 8353	Brush, with screw top Brush, with screw cover <b>Suitable for:</b> 175 g and 225 g tins				10

## TOOLS AND ACCESSORIES

### Working tools



595 0038   595 0021

#### Hand rasp

For manual buffing of rubber surfaces.

Ref. No.	Designation
595 0021	Hand rasp
595 0038	Spare rasp blade

TOOLS AND ACCESSORIES  
Cutting and buffing tools



595 5530      595 2548      595 2555      595 2531      595 2562

**Finish buffer FS**

- To finish buff the skive filling on tyres or rubber chains
- The fine grit gives an excellent smooth surface

	5955530
Speed	max. 4500 rpm
Dia.	40 mm
Width	20 mm
Arbour for hand drill	fixed shaft 6 mm
Arbour for quick release chuck	519 6672

Ref. No.	Designation
595 5530	Finish buffer FS K 60

**Grinding discs**

**Buffing discs for angle grinders**

- For the preparation of large rubber surfaces on the outside of a tyre
- Speed: max. 4500 rpm

Ref. No.	Designation	Dia.	Bore Ø	Grit
595 2531	Buffing disc K 18	125 mm	22 mm	18
595 2548	Buffing disc K 23	125 mm	22 mm	23
595 2555	Buffing disc K 18	175 mm	22 mm	18
595 2562	Buffing disc K 23	175 mm	22 mm	23

PROTECTIVE CLOTHING AND SAFETY EQUIPMENT  
Personal protective equipment

**Head protection**

**Safety helmet**

- ABS shell provides excellent scratch resistance and dimensional stability also in a warm environment
- Increased lateral stability
- Ideal form for hearing & face protection adaptation
- Rain gutter for outdoor use
- Antistatic: certification ATEX Zone 1, 2
- Effective ventilation system due to a high position holes

**Approvals:**

- Approvals USA:  
SEI - HDMSA36\_LT (vented);  
SEI - HD37\_V12\_LT (non-vented)
- Canada Approvals:  
CSEI - HD1MSA75\_LT
- CE marking according to EN 397



Ref. No.	Designation
594 2200	Safety helmet
594 2205	Chinstrap

**Face protector SUPERVIZOR SB 600**

Head strap with forehead protection made of polycarbonate without metal parts. Excellent comfort due to adjustable straps and ratchet headgear. Shockproof. Replaceable shield of transparent acetate. Protects against aggressive chemicals and solvents.



Ref. No.	Designation
594 0740	Head strap, without face shield
594 0750	Face shield

## Eye protection

### Safety goggles

Ref. No.	Designation	Content
594 0711	Safety goggle XC	
594 0715	Hang cord for safety goggle XC	12
594 0712	Eyeshield AX 1H	
594 0716	Pre-moistend lens cleaning towelettes	100

### Case for safety goggles

Quick-tip opening for fast removal of the safety goggles.  
Simple fastener, plastic model, international symbol for "wear safety goggles".

Ref. No.	Designation
594 0720	Case for safety goggles

## Respirator

### Fine dust filter mask 3M

For short-term grinding work. Filter class P1 (EN 149:2001).

Filter class P1: For solid particles of inert materials in accordance with the TLV (threshold limit value) list (for quartz-containing particulate matter only when safely below TLV), with a maximum pollutant concentration of 5 times the TLV.

Ref. No.	Designation
594 0350	Fine dust filter mask 3M



594 0711



594 0720



594 0350

## Ear protection

### Capsule ear protection

- Headband made of stainless spring steel
- Sleek profile and low weight
- Soft, fluid-filled sealing rings for more comfort
- No heat build-up and perspiration among the capsules
- Sealing bags and inserts can individually replaceable
- Can be easily combined with other safety equipment
- Application area: all noisy areas, especially high tones, high volume
- Norm: EN 352-1

Ref. No.	Designation
594 2100	Capsule ear protection



### Earplugs

Earplugs, preformed, tapered, made of soft, hypoallergenic foam, box with 200 pairs.

- Application area: all the noisy areas
- Norm: EN 352-2

Ref. No.	Designation	Content
594 2160	3M earplugs 1100	200 pairs



PROTECTIVE CLOTHING AND SAFETY EQUIPMENT  
Personal protective equipment



594 0010



519 7200



595 2775,  
595 2580



594 0020



595 1453

Gloves

Working gloves

Ref. No.	Designation	Content
594 0010	Working gloves, split leather	1 pair
594 0020	Working gloves, all-leather Fabric back and gauntlet with elastic band. Leather palms, fingertips and knuckle guard.	1 pair
519 7200	Working gloves vulcanizer, 3 fingers, total length 350 mm Special heat- and steam-resistant leather, lined, long gauntlet and pulse guard.	1 pair
595 1453	Cutting protection glove, suitable for right or left hand	1 piece
595 2775	Protective gloves Profi Classic, Size 9 NBR-coated cotton gloves. Extremely durable, highly flexible, allow good touch sensitivity and are highly resistant to abrasion. Feature good resistance to oil, grease and fuel.	1 pair
595 2580	Protective gloves Profi Classic, Size 10 NBR-coated cotton gloves. Extremely durable, highly flexible, allow good touch sensitivity and are highly resistant to abrasion. Feature good resistance to oil, grease and fuel.	1 pair

QUESTIONNAIRE

Splice packages for steel cord belts

Customer:	Contact person:
Phone:	Fax:
Address:	Country (representation):
	E-Mail:

We hereby request an offer for units of splice packages, as per following specifications:

Belt manufacturer	
Belt specifications/Belt designation	St
Rubber grade	mm
Cable pitch	mm
Cable diameter	mm
Belt width	mm
Top cover thickness	mm
Bottom cover thickness	mm
Specified splice length	mm
Splice geometry	<input type="checkbox"/> Rhombic (16°) <input type="checkbox"/> Rectangular <input type="checkbox"/> Rhombic (22°) <input type="checkbox"/> Other:
Breaker	<input type="checkbox"/> Running side <input type="checkbox"/> Carrying side

Place and date	Name	Signature
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## 15. Vulcanising Machines

Presses

302



## VULCANIZING MACHINES

### Presses

#### Presses

##### REMAPRESS IVE

New vulcanizing presses "REMAPRESS IVE" with pressure bags, heating plates and silicone heating mats developed and marketed by REMA TIP TOP impress with highest quality features, application oriented design and certification by German TÜV. They are universally appropriate for all fabric or steel cord conveyor belts.

- REMA TIP TOP pressure bag with aramid inlays certified by German TÜV
- Heating plate connection protection class IP 64 certified by German TÜV
- Evenly heat distribution through various heat zones at the edge and in the middle
- Pressure system up to 70 N / cm<sup>2</sup> with compressed air pressure and up to 140 N / cm<sup>2</sup> with water pressure
- 20% less liquid requirement, therefore faster build-up of pressure
- Lightweight, high-strength crossbeams made of aluminium with 20% less deflection
- Despite being made of high-strength steel, the tension bolts weigh 2 kg less apiece than conventional steel tension bolts

##### REMAPRESS IVE FLUID

For pressures up to 140 N/cm<sup>2</sup> (200 Psi)

Ref. No.	Designation	Belt Width	Splicing Length
595 9480	REMAPRESS IVE FLUID 800-600 16.7	800 mm	600 mm
595 9640	REMAPRESS IVE FLUID 800-800 16.7	800 mm	800 mm
595 9650	REMAPRESS IVE FLUID 1000-800 16.7	1000 mm	800 mm
595 9670	REMAPRESS IVE FLUID 1200-800 16.7	1200 mm	800 mm
595 9700	REMAPRESS IVE FLUID 1600-800 16.7	1600 mm	800 mm
595 9660	REMAPRESS IVE FLUID 1000-1000 16.7	1000 mm	1000 mm
595 9680	REMAPRESS IVE FLUID 1200-1000 16.7	1200 mm	1000 mm
595 9690	REMAPRESS IVE FLUID 1400-1000 16.7	1400 mm	1000 mm



Other dimensions available on request.

## VULCANIZING MACHINES

### Presses

##### REMAPRESS IVE AIR

For pressures up to 70 N/cm<sup>2</sup> (100 Psi)

Ref. No.	Designation	Belt Width	Splicing Length
595 9460	REMAPRESS IVE AIR 650-600 16.7	650 mm	600 mm
595 9470	REMAPRESS IVE AIR 800-600 16.7	800 mm	600 mm
595 9490	REMAPRESS IVE AIR 1000-600 16.7	1000 mm	600 mm
595 9540	REMAPRESS IVE AIR 800-800 16.7	800 mm	800 mm
595 9580	REMAPRESS IVE AIR 1200-600 16.7	1200 mm	600 mm
595 9560	REMAPRESS IVE AIR 1000-800 16.7	1000 mm	800 mm
595 9590	REMAPRESS IVE AIR 1200-800 16.7	1200 mm	800 mm
595 9610	REMAPRESS IVE AIR 1400-800 16.7	1400 mm	800 mm
595 9550	REMAPRESS IVE AIR 800-1000 16.7	800 mm	1000 mm
595 9570	REMAPRESS IVE AIR 1000-1000 16.7	1000 mm	1000 mm
595 9600	REMAPRESS IVE AIR 1200-1000 16.7	1200 mm	1000 mm
595 9620	REMAPRESS IVE AIR 1400-1000 16.7	1400 mm	1000 mm
595 9630	REMAPRESS IVE AIR 1600-1000 16.7	1600 mm	1000 mm



Other dimensions available on request.

##### Electronic control cabinet

- Design of required control cabinet depends on number of heating plates
- Exact temperature measurement inside of heating plates via double PT 100 electronics sensor with digital display of set point temperature and real value temperature
- Quick programming of electronic temperature controllers
- In case of electronic control failure switch to manual operation mode
- Digital automatic timer
- Monitoring of differences between the single heating circuits +/- 2.5 K
- Optical signal shows end of vulcanizing time
- Protection class IP 44



Technical modification reserved



## VULCANIZING MACHINES

### Presses

#### Electronic control cabinet with data recording

- Exact temperature measurement inside of heating plates via double PT 100, display on touch panel
- Enclosed software for the composition of a vulcanization protocol as a PDF document
- In case of electronic control failure switch to manual operation mode
- Monitoring of differences between the single heating circuits +/- 2.5 K
- USB interface for data transfer
- Optical signal shows end of vulcanizing time
- Optionally equipped with WLAN module for real-time display on MS Windows notebook or tablet
- Illuminated control panel
- Protection class IP 44
- Menu navigation (DE/EN/ES/FR)



Technical modification reserved

#### REMAPRESS PBP - Tension unit

REMAPRESS PBP (Pneumatic Belt Press) is the first tension unit in the world especially designed for use in the cold bonding of fabric-ply belts (from a strength class of EP 1000/5 upwards or a covering ratio from 10:4 on).

- For fabric-ply belts up to 2200 mm width
- Extremely robust pressure cushion
- Includes mobile compressor
- Operating voltage 220 Volt



Ref. No.	Designation	For belt width
595 3310	REMAPRESS PBP	1400 mm
595 3320	REMAPRESS PBP	1800 mm
595 3330	REMAPRESS PBP	2200 mm

#### WK vulcanizing press

For safe and cost-efficient splicing of fabric-reinforced conveyor belts of low or medium strength class up to EP 1250/5 (multiple vulcanizing cycles).

Ref. No.	Designation	For belt width
595 3138	WK vulcanizing press 800, 230 V, with pressure compensation pad	up to 800 mm
595 3145	WK vulcanizing press 1200, 230 V, with pressure compensation pad	up to 1200 mm
595 3152	Pressure compensation pad 800	
595 3169	Pressure compensation pad 1200	
595 3183	Torque wrench	
527 0550	Silicone paper, 25 m roll	



595 3138



595 3183

## VULCANIZING MACHINES

### Presses

#### REMAPRESS CRO

The REMAPRESS CRO system is the ideal solution for safe and cost-efficient splicing of fabric-reinforced conveyor belts of low or medium strength class up to EP 1250/5 (according to DIN 22102) (multiple vulcanizing cycles).

- Easy installation and removal
- Short heating time due to excellent insulation
- Optional water cooling system for even shorter cooling
- Electronic temperature control
- Silicone heating elements
- Pressure bag with aramide reinforcement, 7 bar / 102 psi
- Welded aluminum frame construction
- Voltage: 400 V
- Adjustable temperature range: 100 - 175 °C / 212 - 347 °F
- Specific surface pressure: 70 N/cm<sup>2</sup>



Ref. No.	Designation	For belt width	Weight
595 5140	REMAPRESS CRO 65-350	650 mm	89 kg
595 5150	REMAPRESS CRO 65-540	650 mm	108 kg
595 5160	REMAPRESS CRO 80-350	800 mm	103 kg
595 5170	REMAPRESS CRO 80-540	800 mm	133 kg
595 5180	REMAPRESS CRO 100-350	1000 mm	140 kg
595 5190	REMAPRESS CRO 100-540	1000 mm	174 kg
595 5200	REMAPRESS CRO 120-350	1200 mm	180 kg
595 5210	REMAPRESS CRO 120-540	1200 mm	200 kg
595 5130	Water cooling equipment, for REMAPRESS CRO includes barrel with cover 120 l, submersible pump, cooling water feeding and return hoses, 2-way distributor		
595 5110	Mobile compressor, for REMAPRESS CRO Motor: 1.5 kW / 230 V / 50 Hz - Volume of pressure vessel: 10 l - max. pressure: 10 bar - suction volume: 250 l/min.		

## LEGAL NOTICE

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All information is given to the best of our knowledge. All specifications are to be considered non-binding information. Any claim for damages of any kind is excluded. We reserve the right to change technical specifications without prior notice, provided that they ensure product improvement. The information presented is based on technical experience but does not guarantee a product's suitability for specific applications, and does not relieve the users of the responsibility to undertake their own testing, including where any third-party trademark rights are concerned. For special applications and operating conditions with regard to temperature, UV light, ozone, acids and alkaline solutions, dynamic and static forces, tensions, elongations and other influences, contact your local REMA TIP TOP distributor for technical advice.

Operating and working instructions, product information and general instructions on the vulcanization properties of natural and synthetic rubber should be followed carefully. The mechanical and physical values presented for our products only apply to the material listed (without bonding layer and without fabric) based on the accompanying inspections for approval; these represent statistical product data, but not guaranteed product properties. Detailed technical data sheets for each single product are available upon request. The weight indications (kg/m<sup>2</sup>, kg/m, etc.) solely represent statistical values and are not necessarily identical to the actual weights. The weights indicated are merely guidelines for the handling, transport and application of our products. The dimension tolerances are based on part 5 of DIN 7715, classification P3 (admissible dimension tolerances for sheets) and DIN ISO 3302-1, classification M4 (molded parts made of soft-rubber). Other tolerances of specific products for special applications are subject to a mutual agreement and must be stipulated in a special contract. Products containing hazardous substances are labeled in accordance with the regulations (EG) No. 1907/2006 for the


classification, packaging and labeling of hazardous materials and preparations.

In order to preserve product properties, the storage conditions indicated in DIN 7716 should be followed (including storing the product in the original package and in an area that is dry, cool and dark).

Products printed in bold are normally available from stock.

# Talk to our team today

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