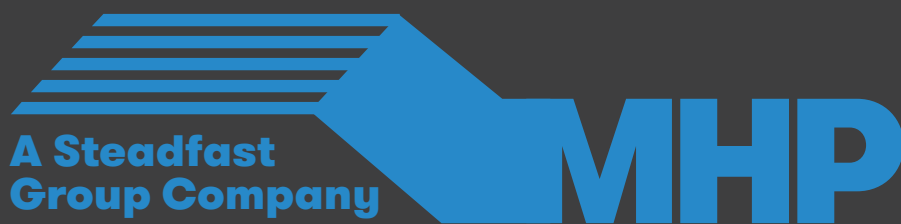


**SCREENING MEDIA SOLUTIONS
LININGS FOR WEAR AND FLOW
SPILLAGE CONTROL EQUIPMENT
CONVEYOR BELT PRODUCTS**



steadfast group

MATERIALS HANDLING PRODUCTS LTD

QUALITY CONTROL STANDARDS AND TESTING

MHP is audited annually to ISO 9001-2015.
Our materials testing is carried out to DIN 4649-2006-11.

MHP has established an in-house laboratory for batch testing of incoming raw materials, using DIN standard procedures and assessed to ISO standards for compliance.

This facility is also available for immediate investigation of any problem issues which may arise without the normally associated costs and delays.

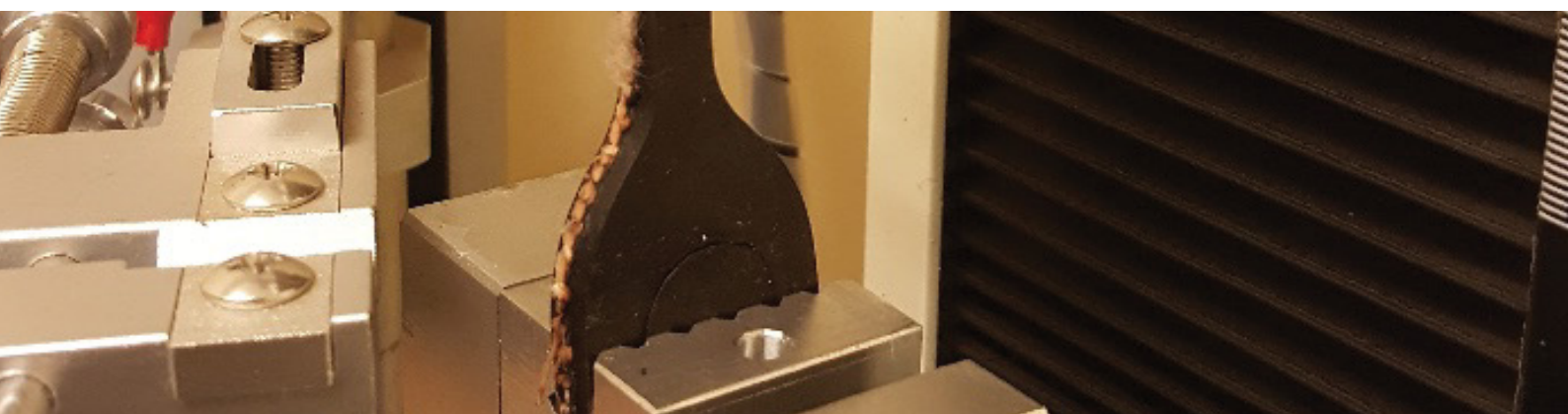
This service is also offered on a confidential and commercial basis to outside companies who may require it.

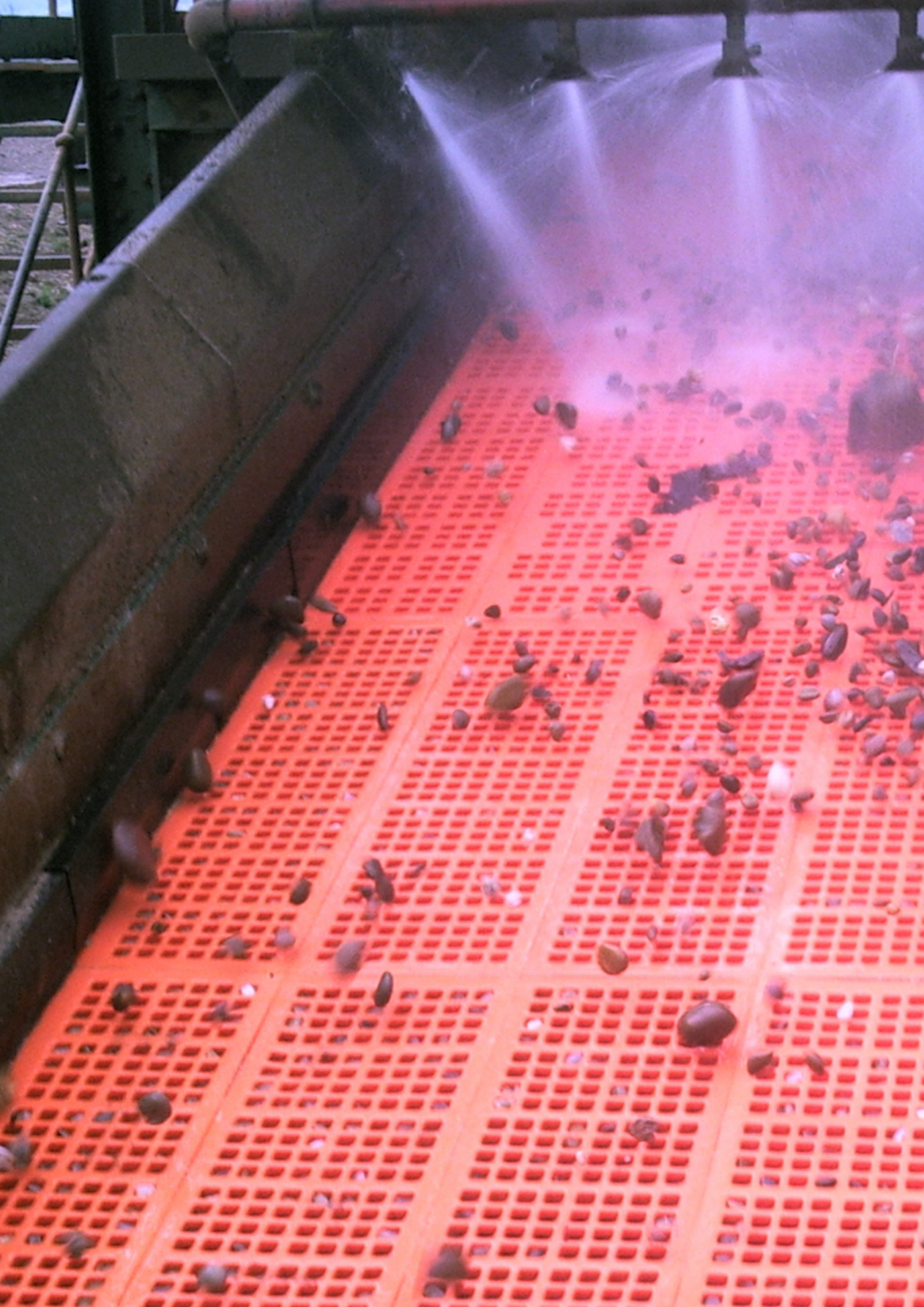


ON-SITE INSTALLATION AND MAINTENANCE

MHP carries on-site installation and maintenance on request with its team of specialised technicians.

For enquiries, please email info@m-h-p.co.uk.









Materials Handling Products Ltd are the leading independent specialists in lining, spillage control and screen media in the UK.

Established in 1991, in response to the increasing demand for lower maintenance solutions for minerals processing, we continue to grow rapidly as demand has escalated.

Our mission

To work in partnership with our customers, suppliers and agents to control bulk handling costs, reduce maintenance and improve environmental performance by the application of sound engineering principles, innovative products and effective service.



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Abratex Red 40 is a lining formulated from almost pure natural rubber for use in wet abrasion. Many lining failures in sand plants are due to the bond breaking down, rather than the lining wearing out, and we have overcome this problem with our bonding system.

Abratex Red 40 benefits from this system and is compatible with most proprietary adhesives and primers.

It offers superb wet abrasion resistance, is available in 3-35 mm thicknesses and features a choice of bonding systems.

Steelwork repairs are carried out where possible and we can supply replacement steelwork if required.

To reduce downtime, we offer a collection, delivery and fast turnaround service.



MHP SOCKS AND SLEEVES

Spillage from loading spouts can be controlled by the use of flexible sleeves with high abrasion resistance. Sleeves and socks are always skived and shrouded, rather than a simple overlap, for maximum joint strength.

MHP manufactures sleeves from several of our wear resistant rubbers including:

- > MHP Abratex Red 40,
- > MHP Orange 50.

Sleeves often become damaged and rapid service is important to avoid ongoing waste and spillage. MHP can normally produce sleeves to order in 24 hours.



PRODUCT CHARACTERISTICS

Is a natural, highly tear-resistant rubber offering great protection from wet abrasion.

Colour	Orange
Polymer DIN ISO 1629	NR
Specific weight DIN EN ISO 1183	1,18 g/cm ³
Hardness ISO 868 2003 (DIN 53505)	50 ± 5 Shore A
Abrasion DIN ISO 4649 2006	100 mm ³ at 5 Newtons
Tensile Strength, min	19 MPa
Tear Resistance, min	60 N/mm

Available sizes

Standard thickness: 3mm - 20mm

Standard width: 1500mm

Storage stability

Max. 24 months

At 25 °C ± 2 °C with no
loss in quality.

Subject to DIN regulation 7716.





MHP XTRA 60

MHP Xtra 60 is our standard black abrasion resistant rubber for use over a wide range of hard rock applications. All MHP Xtra 60 exceeds DIN X and is used in many of our other products such as lifter bars, barrel linings, Steelback and skirting.

MHP Xtra 60 is available with our bonding system, plain, or with polyester fabric backing in some thicknesses for increased bolt holding.

- 3-50 mm thicknesses available ex-stock
- Bonding layer system
- Superb abrasion and impact resistance
- Fabric backed "ACL" version in 25 mm

MHP 60

For less demanding applications such as conveyor skirting MHP 60 offers a very cost-effective solution whilst maintaining performance.

MHP Profile elements

MHP Xtra 60 is available in saw tooth profile ST42 and individual profiled elements for applications where the angle of incidence is too shallow for plain sheet.

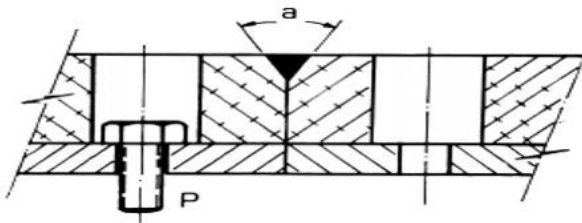
MHP STEELBACK

Steelback offers a rapid method of fitting heavy-duty linings from 15 mm to 140 mm thick, with extreme impact resistance, without bonding, or on impact damaged chutes. The hot vulcanised bond is virtually indestructible and a further guarantee of trouble free performance for the life of the product.

In heavy wear areas mechanically fastened steelback panels offer much quicker and easier maintenance as there is no stripping of bonded linings.

MHP is one of the few suppliers equipped with portable stud-welding machinery which allows mechanical fixing without disturbing the wearing surface of the rubber.

Easy fixing with bolts or welded studs



Standard sizes from stock.

- 15+3 mm
- 25+5 mm
- 35+5 mm
- 50+5 mm
- 72+8 mm
- 92+8 mm
- 112+8 mm
- 132+8 mm

We can offer heavier specifications upon request.



MHP MODULAR ELEMENTS

All the benefits of steelback can be achieved in a modular system with easier handling and installation and quicker maintenance.

Chutes normally wear in the central area of each face and the square tiles are replaced from stock without cutting.

With three standard sizes available from stock, linings can easily be custom designed for every application.

- > 300 x 300 x 25+5 mm (2 holes on centre line @ 200 mm pitch)
- > 400 x 400 x 50+5 mm (2 holes on centre line @ 300 mm pitch)
- > 500 x 500 x 72+8 mm (4 holes @ 300 mm pitch)

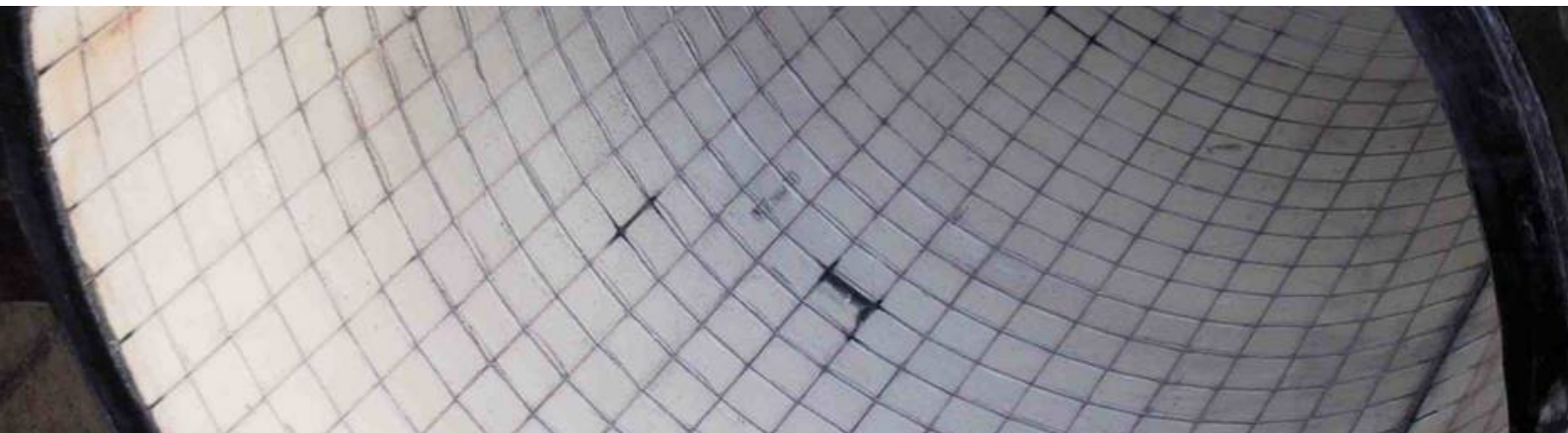


MHP CERAMIC LININGS

The use of alumina 90 ceramic tiles in high abrasion situations has increased rapidly as low maintenance requirements have increased.

MHP has wide experience of this technology and a range of products including the following:

- > Direct tiling onto steel substrate
- > High temperature applications
- > Steel backed ceramic modular elements for mechanical fixing
- > Rubber backed tiles in sheet form for curved surfaces and an impressive degree of impact resistance.

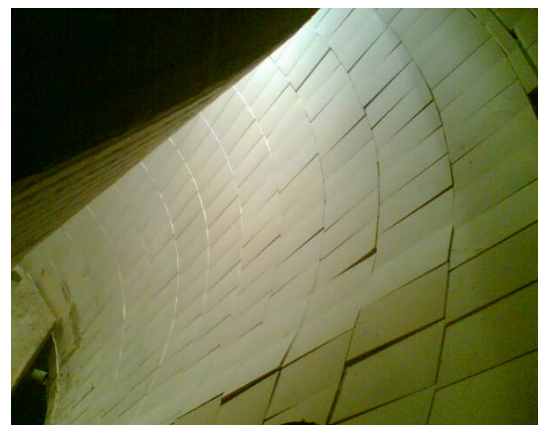


MHP CERATEC SPECIAL CERAMIC BLOCKS

MHP have developed a super abrasion resistant ceramic tile with superior wear resistance to standard alumina tiles for use in extreme abrasion situations.

Typical applications include blast furnaces slag, cement clinker and similar materials, often at very high velocities and temperatures, in cyclones and separators where maintenance is both difficult and costly. In a recent contract handling blast furnace slag at 30 m/sec, MHP increased the life-cycle of the plant with immense savings and increased productivity for the client.

In these situations, linings are often custom made for the application with specially shaped blocks to ease fitting and the use of specialist adhesives and fixings.



MHP CERAMIC MODULES

Minerals processing applications often require a difficult to achieve combination of high abrasion resistance, combined with the ability to accommodate impact.

MHP Cerashock modules offer a highly effective solution to this problem by mounting alumina wear elements in a resilient rubber matrix, backed with either a rubber bonding layer for attachment by adhesive, or a steel backing plate for mechanical fixing.

Module sizes match other MHP products to allow a "mix and match" approach in areas of concentrated abrasion or impact.

- > 25 x 20 mm ceramic cylinders in 30 mm rubber on a 5 mm steel backing plate
- > 500 x 500 and 500 x 250 mm module size
- > Cutting service available as required
- > Panels can be fitted with weld on studs for easy installation on site
- > Minimum maintenance solution for high wear areas.



CERAMIC MODULAR ELEMENTS

For extremely abrasive applications combined with impact resistance, MHP ceramic modular elements are manufactured in Alumina 92.5 ceramic tiles on a steel backing plate.

- > Plain ceramic on steel
- > Plain ceramic on rubber and steel
- > Cylinders of ceramic in an impact resistant rubber matrix
- > Module sizes and cut panels are required
- > In all cases, panels can be mechanically fastened with stud welding.



PLASTIC LININGS FOR FREE FLOW

Ultra High Molecular Weight Polyethylene (UHMWPE) is the established product for managing flow in bins and silos.

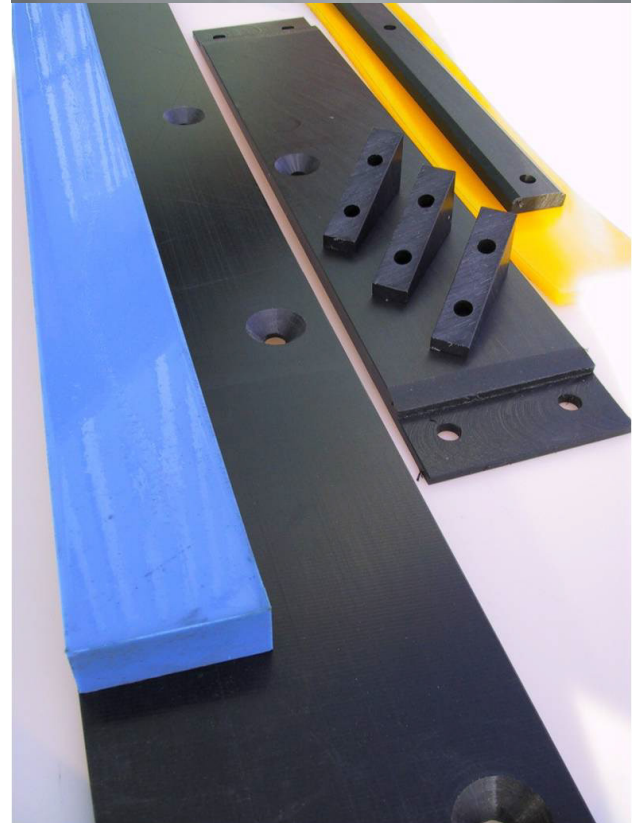
Abratuff UHMWPE is supplied in a variety of compounds, both natural and recycled, and is available in 3050 mm x 1225 mm sheets or cut pieces. Our site service facility is available for installation work.



CUSTOM PLANNING COMPONENTS

At MHP, we manufacture a wide range of custom components from plastics, including PU & PE in several hardnesses to suit customers individual requirements.

Abrasion resistance, low friction and load bearing components are all possible in modern plastics and our engineers will be pleased to advise on any application.



MHP LINING

A further development by MHP of PE lining has resulted in an enhanced product offering new levels of resistance to sticking, ratholing and better bunker flow.

Chemical changes and additives have significantly reduced the coefficient of friction with visible practical benefits on a vibratory feeder.

Previously this feeder, running on 20 mm granite would build up fines from the rear corners until the feeder was completely blocked, even though it was lined with standard PE.

The installation of a MHP lining completely cured the problem.

ABRAGRIP MINI-DIAMOND LAGGING

Abragrip lagging for pulleys and idlers on conveyor systems is easy to apply and has been proven under all types of operating conditions.

The lagging's high resistance to wear and corrosion significantly increases the pulley or idler service life which means less down time and more production.

Our range of abragrip mini-diamond drum lagging comes in different thicknesses and at a standard width of 2000 mm.

It is a cost-efficient solution that offers maximum grip, performance and durability.



PRODUCT ADVANTAGES AND APPLICATION

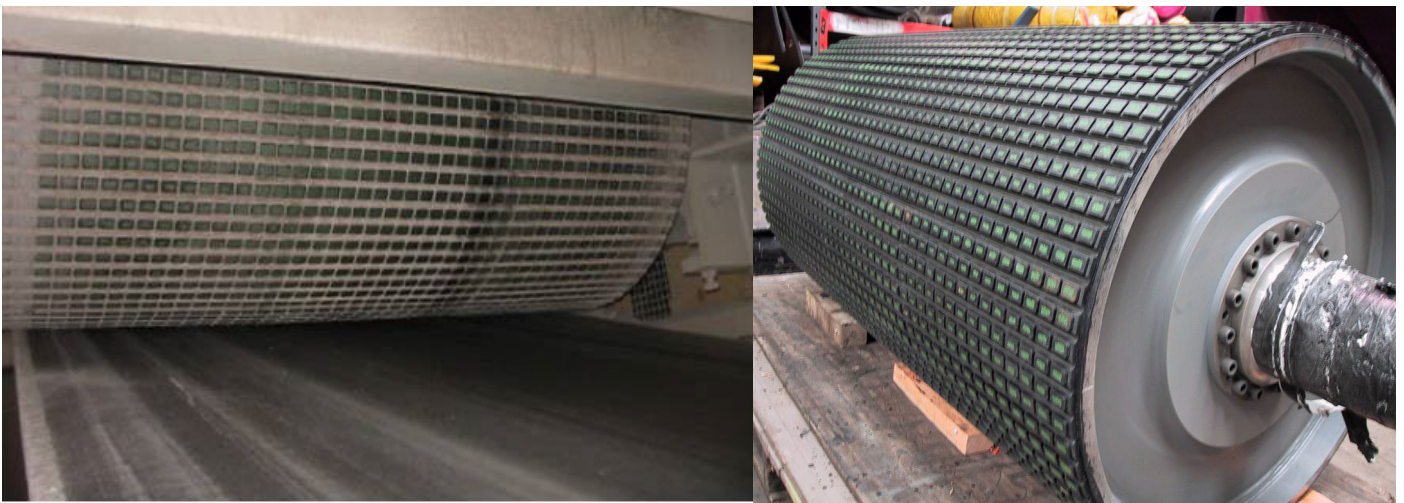
- Helps evacuate moisture and dirt
- Protects pulley from wear and corrosion
- Reduces slippage between belt and pulley through an increased friction coefficient
- Easy application, even to pulleys in situ
- Avoidance of material build-up
- Can be supplied in different rubber grades on customer demand.

Unique lagging achieves coefficients >1 in wet conditions.

Porous ceramic composite material absorbs moisture between the belt and lagging, resulting in previously unattainable levels of drive in wet conditions. (Coefficients up to 1.15 can be achieved).

MHP Porous ceramic lagging is manufactured in strip form on a rubber matrix with MHP's bonding system for maximum adhesion.

MHP Ceralite is a porous alumina-based ceramic with organic binder that offers up to 150% of the drive and 25 times the life of conventional rubber laggings.



MHP CERAGRIP - THE ULTIMATE LAGGING

Using the same porous ceramic technology but with silicone carbide and inorganic binders, MHP Ceragrip offers the ultimate combination of drive and wear resistance.

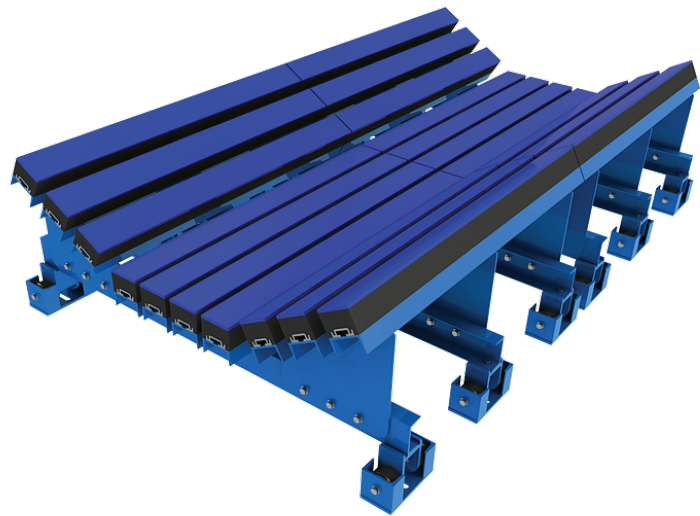
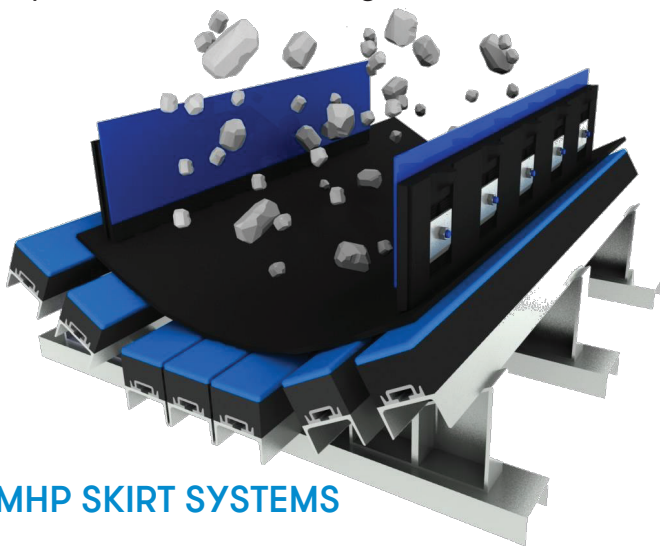
Coefficient of friction	Dry	Wet	Wet and dirty	Wear rate
Rubber	0.80	0.60	0.4	1000
Ceradrive white	0.95	0.85	0.55	125
Ceralite porous	1.03	1.00	0.60	40
Ceragrip porous	1.15	1.05	0.68	17



MHP loading point modules were originally developed as the ultimate answer to low maintenance loading points. There are no mechanical moving parts in the loading area.

It is good practice to use a standard troughing idler before and after the module to ensure correct belt positioning. Where transition distances are too short we recommend our roller module below.

MHP loading point modules maintain a straight belt line for optimum skirt sealing and minimum spillage. 50 and 75 mm high bars - 100 mm wide and 600-1500 mm long with a leading-edge ramp to prevent fastener damage are available from stock complete with forged T bolt fixings.



MHP SKIRT SYSTEMS

Impact bars make an ideal base against which the skirt system can seal without leakage.

The skirt rubber selected must take into account the nature of the application, tonnage, material size and nature and must generally be softer than the belt in order to be sacrificial.

MHP offers 3 grades of skirt rubber in a range of thicknesses as well as a modular skirting system.

MHP 60 black for hard rock use

MHP 50 orange for finer materials

MHP 40 red for wet fine materials

MHP skirt clamps offer adjustment without tools for traditional skirts of 3-25 mm.

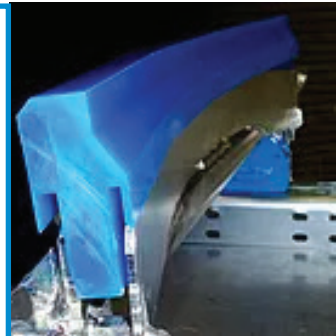
MHP HR220 HOT MATERIALS SKIRTING

MHP HR220 is a specially modified heat resistant rubber compound which resists cracking up to continuous temperatures of 200°C and short term higher peaks. HR220 is particularly suitable for conveyor skirts in cement and clinker manufacture and foundries.



RACOFLEX SW

Type	Wear compensation mono-blade
Position	Secondary cleaner
Sizes available	500 to 1400 belt (...2000 SwHD)
Speed	3 m/s max (5 m/s SwHD)
Temperature range	-10 to 50°C
pH range	3 to 11

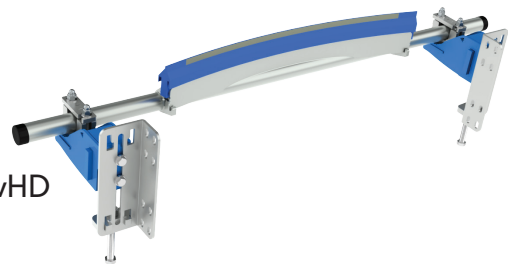


Blade

- Wear resistant Tungsten carbide - 1750 Hv / 93 HRA 3x15mm (5x20/Sw-HD)
- Impact resistant carbide - 900 Hv / 66 HRA 5x10mm
- Wear resistant polyurethane - 25mm³ /DIN53516-10N
- Hydrolysis resistant polyurethane
- Food grade polyurethane

Design

- Standard design sent in short time
- Heavy Duty Design 1400-2200mm belt - RacloFlex SwHD
- Double blade assembly - RacloFlex Sw Duo
- Any special design



RACOFLEX Z2

Type	Automatic adjustment multi-blade
Position	Primary cleaner
Sizes available	500 to 1400 belt (...2200 Z2HD)
Speed	3 m/s max (5 m/s Z2HD)
Temperature range	-10 to 50°C
pH range	3 to 11

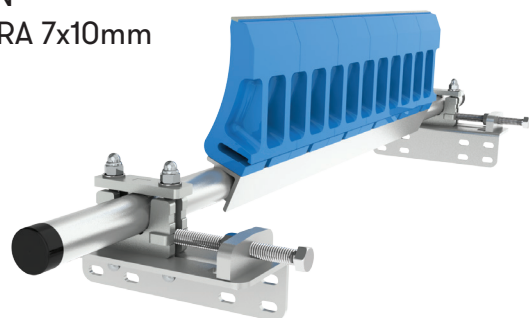


Blades

- Wear resistant Tungsten carbide - 1750 Hv / 93 HRA 3x10mm (5x10/N-(HD)
- Impact resistant carbide - 900 Hv / 66 HRA 5x10mm
- Wear resistant polyurethane - 25mm³ /DIN53516-10N
- Wear & chemical resistant Ceramic - 1200 Hv / 75 HRA 7x10mm
- Hydrolysis resistant polyurethane
- Food grade polyurethane

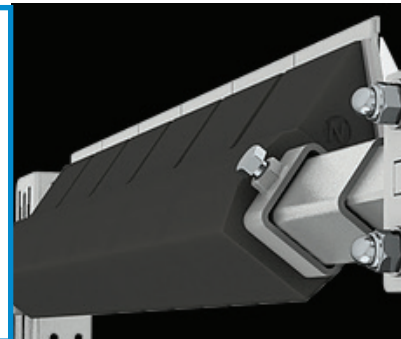
Design

- Standard design sent in short time
- Heavy Duty version 1400-2200mm - RacloFlex Z²HD
- Centre only with tungsten blades - RacloFlex Z² Mix
- Any special design



RACOFLEX N TYPE

Type	Wear compensation multi-blade
Position	Secondary cleaner
Sizes available	500 to 1400 belt (...2200 N-HD)
Speed	3 m/s max (5 m/s N-HD)
Temperature range	-10 to 50°C
pH range	4 to 10

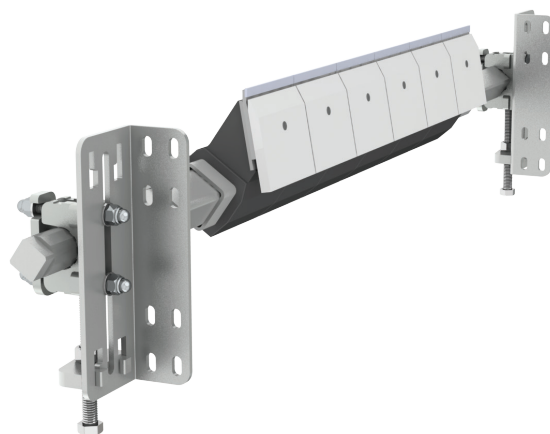


Blade

- Wear resistant Tungsten carbide - 1750 Hv / 93 HRA 3x10mm (5x10/N-(HD)
- Impact resistant carbide - 900 Hv / 66 HRA 5x10mm
- Wear & chemical resistant Ceramic - 1200 Hv / 75 HRA 7x10mm
- Food grade Stainless steel. 180 Hv / 15 HRA - 5x20mm

Design

- Standard design sent in short time
- Heavy Duty version 1400-2200mm - RacloFlex NHD
- Special quality rubber bloc (ex. oil resistant)



RACOFLEX VP

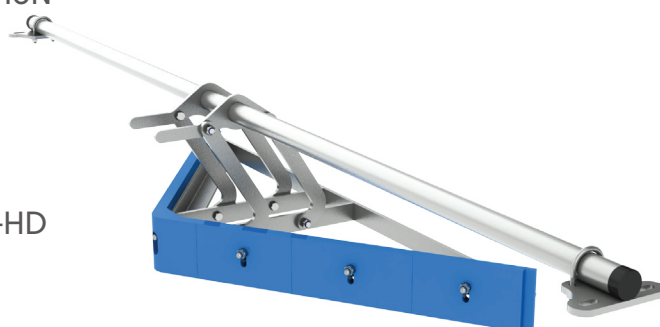
Type	Automatic pressure segmented mono-blade
Position	Internal V-plough cleaner
Sizes available	500 to 1400 belt (...2000 VP-HD)
Speed	3 m/s max
Temperature range	-10 to 50°C
pH range	3 to 11

Blade

- Wear resistant polyurethane - 25mm³ /DIN53516-10N
- Hydrolisis resistant polyurethane
- Food grade polyurethane

Design

- Standard design sent in short time
- Heavy Duty version 1400-2200mm - RacloFlex VP-HD
- Any special design.



MHP SCRAPER MANAGEMENT

MHP scraper management is a bespoke system for your application.

- > Examines your system and recommends the most appropriate equipment for satisfactory spillage control and belt cleaning.
- > Installs and commissions the equipment for optimum performance according to the relevant design requirements.
- > Establishes an effective inspection regime to note routine maintenance requirements.
- > Provides regular reports of required maintenance to allow advance control of costs.
- > Records trends of wear, damage and causes of failure and establishes appropriate maintenance schedules for each scraper.
- > Recommends and carries out improvements on the basis of the observed trends.
- > Carries out regular, planned maintenance.
- > Compiles comprehensive historical data for use in planning and budgeting.

The benefits are obvious.

- > Improved plant management.
- > Reduced breakdown and lost production time.
- > Minimised spillage and clean-up costs.
- > Targets maintenance to best effect.
- > Full traceability of service costs.
- > Improved budgeting.
- > Rationalisation of equipment types and reduced spares inventory.



MHP STAR TRACKER ROLLER

Spillage is often caused by belt misalignment before the tail pulley, resulting in off-centre loading. This can also cause belt mis-tracking and subsequent edge damage.

The MHP STAR TRACKER roller is a new design which realigns the belt automatically by means of patented, tapered rollers without distorting the belt itself.

- > Aligns belt before tail pulley
- > Prevents off-centre loading
- > Fully automatic operation
- > No external power required.



MHP CONVEYOR COVERS

--> MHP conveyor covers are a simple and easy-to-fit cover system, incorporating mild steel hoops with powder coating.

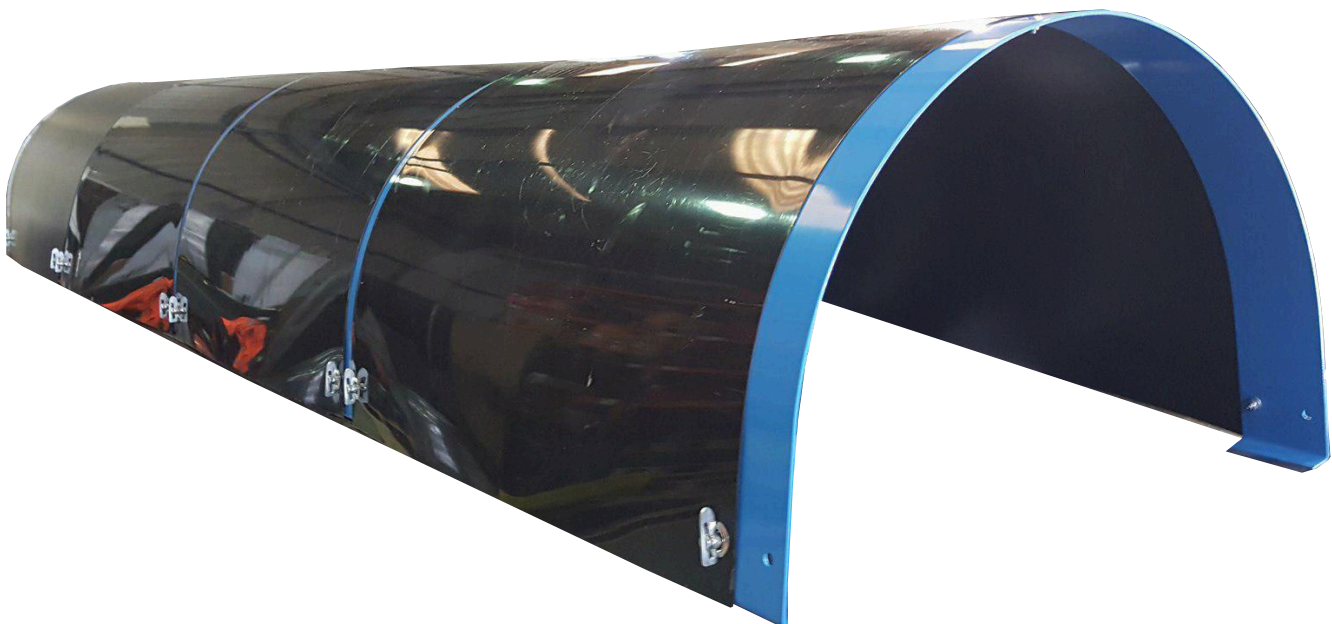
--> The covers are made from a light-weight, robust UV stable plastic.

--> Reduced downtime for installation means lower installation costs.

--> The cover system incorporates a quick release system to enable easy access to replace rollers or carry out regular maintenance.

--> Effective means of reducing dust emissions.

The conveyor covers are made to order and can be designed in house to suit all requirements.

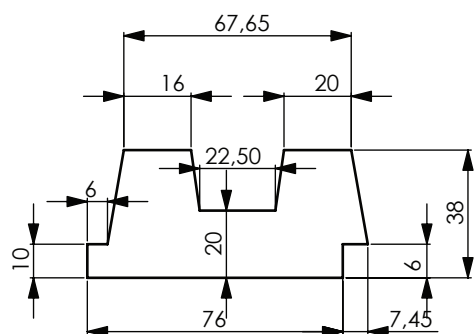


MHP BRICKGRABS

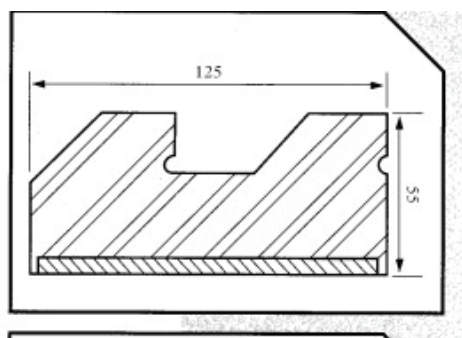
In order to avoid premature wear to machine/vehicle grabs and damage to product, it is advisable to line grabs with abrasion resistant grab rubber.

We have several options available:

New model



Our stock model available in 125x55x1350 mm



MHP DUST ENCAPSULATION

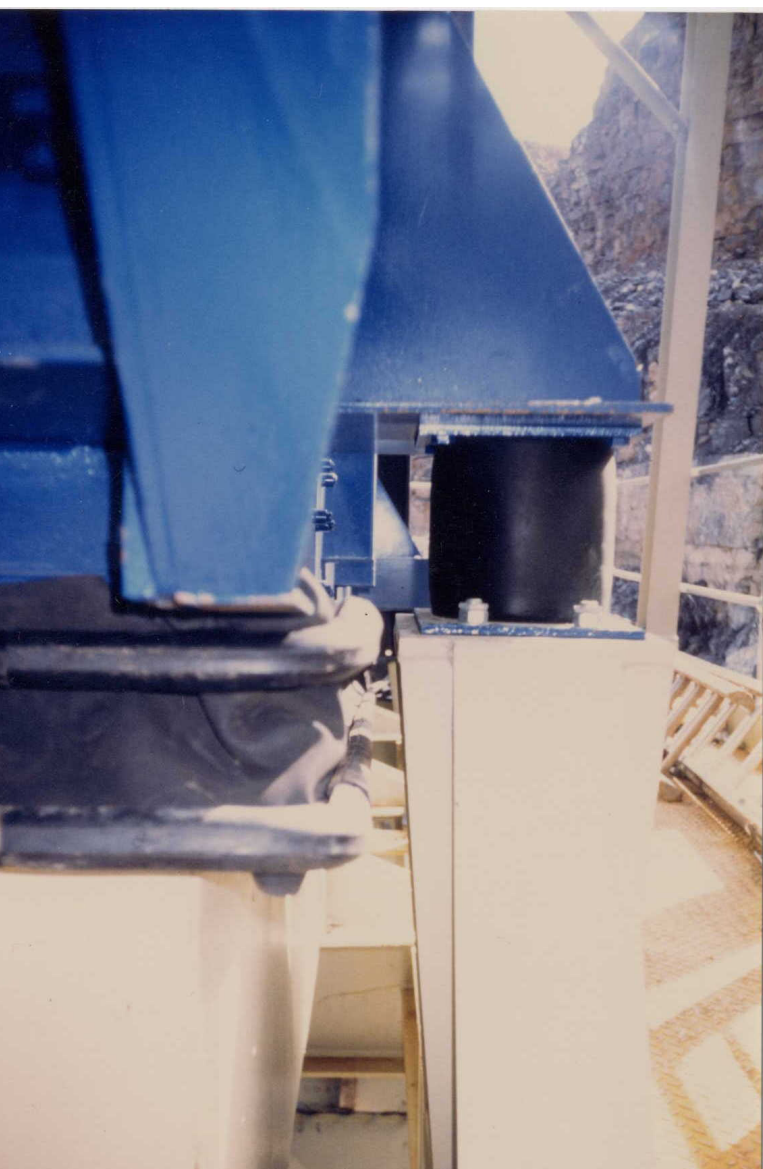
Screens, chutes, conveyors and transfer points have to be designed to control dust emissions effectively.

MHP offers a comprehensive range for all these applications with a design and installation service throughout the UK.

Our standard range of MHP UV and ozone resistant rubber sheeting and grip strips is well-known and complimented by a silicone version for high temperature use.

It is vital that the dust sheet is retained firmly in place and MHP grip strip corners are available in 3 types for every eventuality.

- > vertical corner
- > horizontal corner
- > horizontal inside corner.



MHP SCREEN MEDIA

MHP is proud to offer the most comprehensive range of screen media in the industry including:

- > Rubber tension mats
- > Rubber self-supporting panels
- > MHP Testa-Rossa anti-pegging and blinding screens
- > Steel perforated plate
- > Rubber modules
- > PU modules
- > PU tension mats
- > PU plank system
- > Kuper specialist products

Our screening media is supported by a high quality range of accessories including side and centre clamps, capping sections and underpan linings.

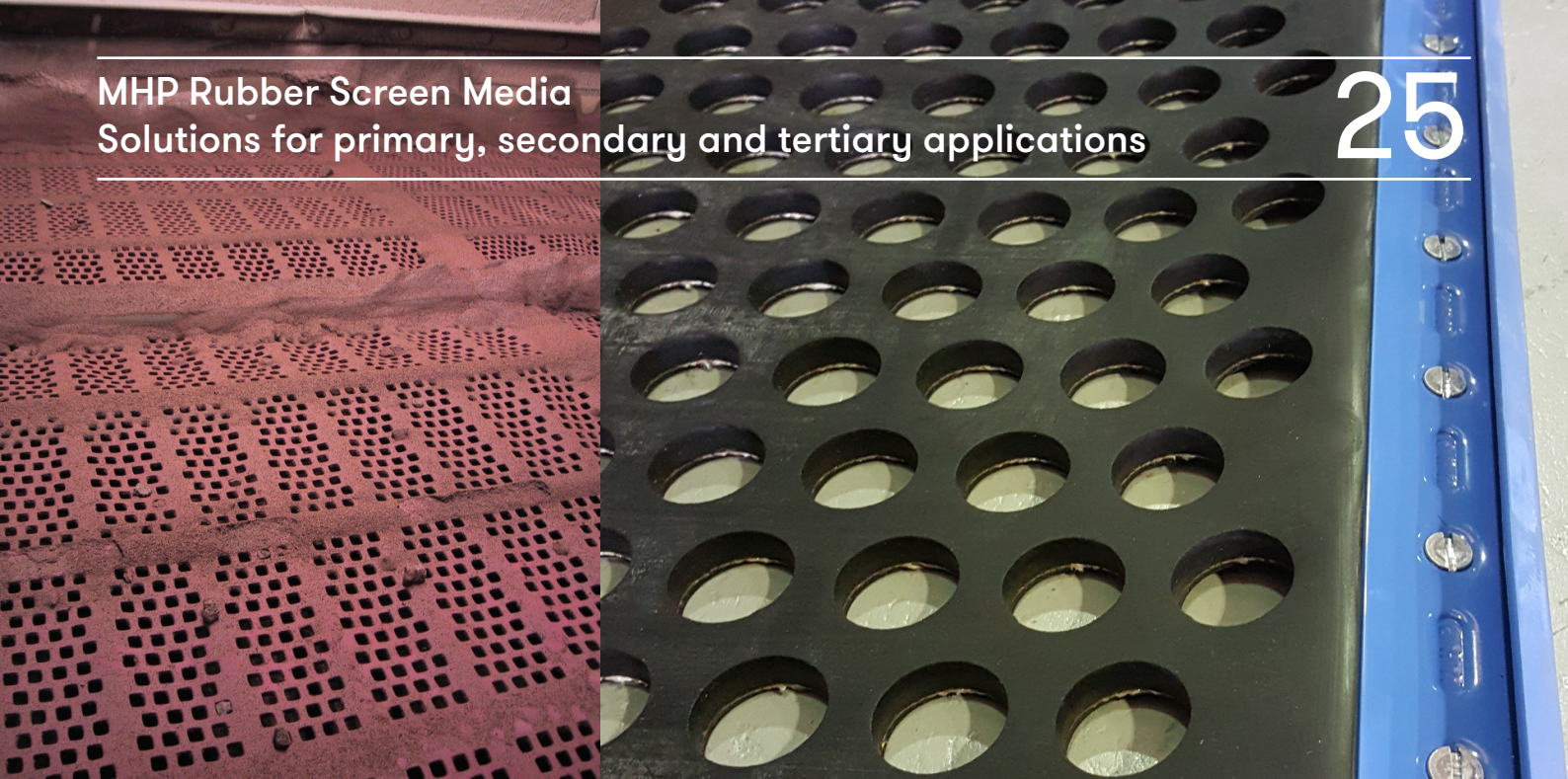
MHP SCREEN MATERIALS

--> Raw material quality is crucial to the performance of all types of screens.

--> Our rubber grades are selected with very high abrasion and gouging resistance combined with low elongation polyester cords. We do not utilise cheaper woven materials which have inherently higher stretch than cord.

--> Our PU panels are produced by a CNC mixing plant which guarantees consistency and the required hardness for each application. All incoming materials are batch tested for conformity, in an accredited laboratory, to ensure to ISO standards.





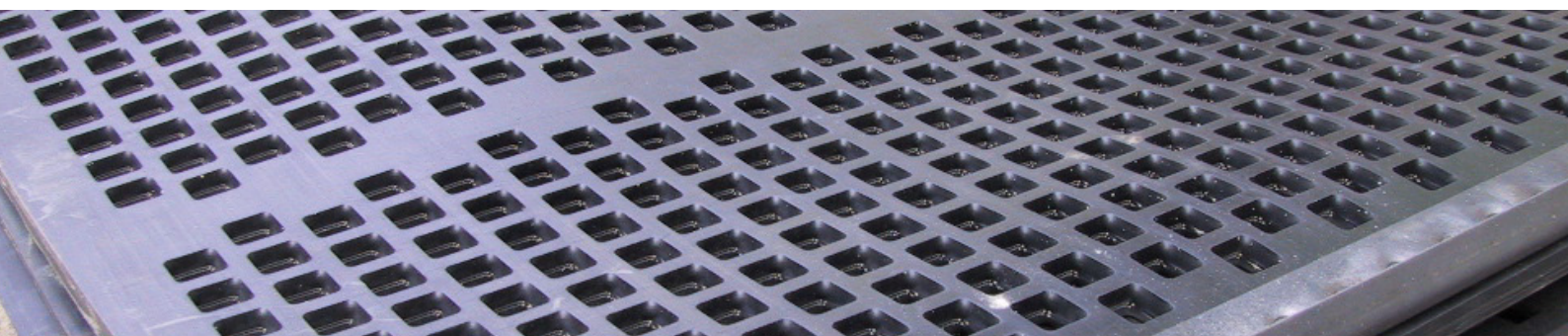
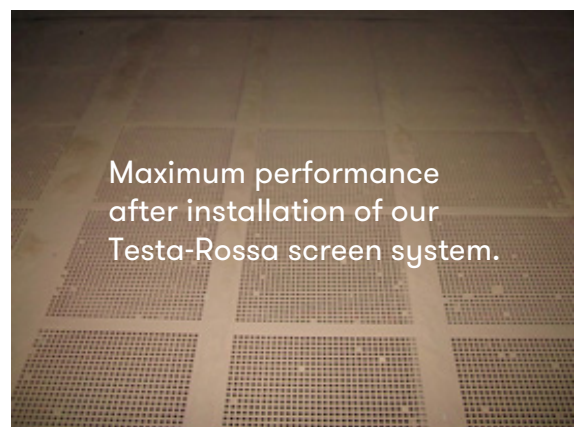
MHP SELF-SUPPORTING SCREENS

- > Rubber covered steel plate
- > Angle iron reinforced, self-supporting with internal spring steel bars. (SS)
- > Flat frame reinforced self-supporting with internal spring steel bars. (US)
- > Full range of fixings and rubber covered side clamps.
- > CAD/CAM produced for complete accuracy, even on larger sizes, ensuring even bridges for longer life.
- > Top screen grade rubber MHP Ultra 60 for optimum cut and gouge resistance.



MHP RUBBER TENSION SCREENS

- > Highly wear-resistant MHP Ultra 60 rubber.
- > Special low stretch, 100% polyester cord reinforcement.
- > Overlaps and impact areas as required.
- > Cover strips standard ≤ 7 mm screens.
- > Unique MHP "Testa-Rossa" anti-blinding and pegging resistant screen.



Uniquely, all Kuper screens are manufactured with moulded rather than punched apertures which eliminates the normal "cooling tower" aperture profile and provides closer control of product sizing giving higher capacity. Furthermore, GK screens media offer unrivalled flexibility with a choice of both media material and screen format in every combination.

Kuper polyurethane - KUPRENE, GK-SOFT

Kuper rubber - GIGANT und CLEAN are vulcanised in moulds with a different hardness (35 and 60 shore A)

GIGANT

GIGANT is vulcanised and moulded with a hardness of 60 shore A. It is very abrasion resistant and elastic.

Applications.

-> Processing broken, sharp-edged and abrasive materials.

-> For quarries, gravel plants, mining and recycling industry.

CLEAN

CLEAN is vulcanised and moulded to a hardness of 35 shore A. It is extremely flexible and wear-resistant.

Applications.

-> Processing materials that tend to cause plugging.

-> For quarries, gravel plants, mining, recycling industry.

KUPRENE

This wear-resistant polyurethane has a hardness of 90 shore A. **KUPRENE** is elastic and impact-proof.

It is resistant to water and several different chemicals.

Applications.

-> Wet screening, dewatering.

-> For quarries, gravel plants, mining, recycling industry.

GK-SOFT

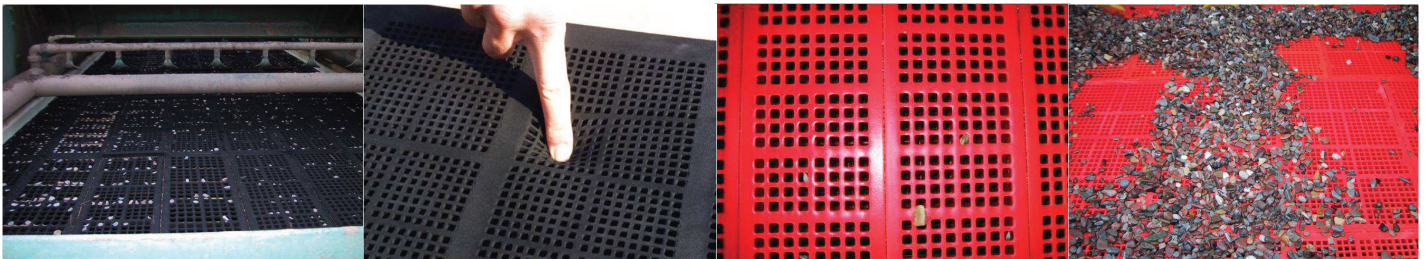
This wear-resistant polyurethane has a hardness of 60 shore A.

GK-SOFT is elastic and impact-proof. It is resistant to water and several different chemicals.

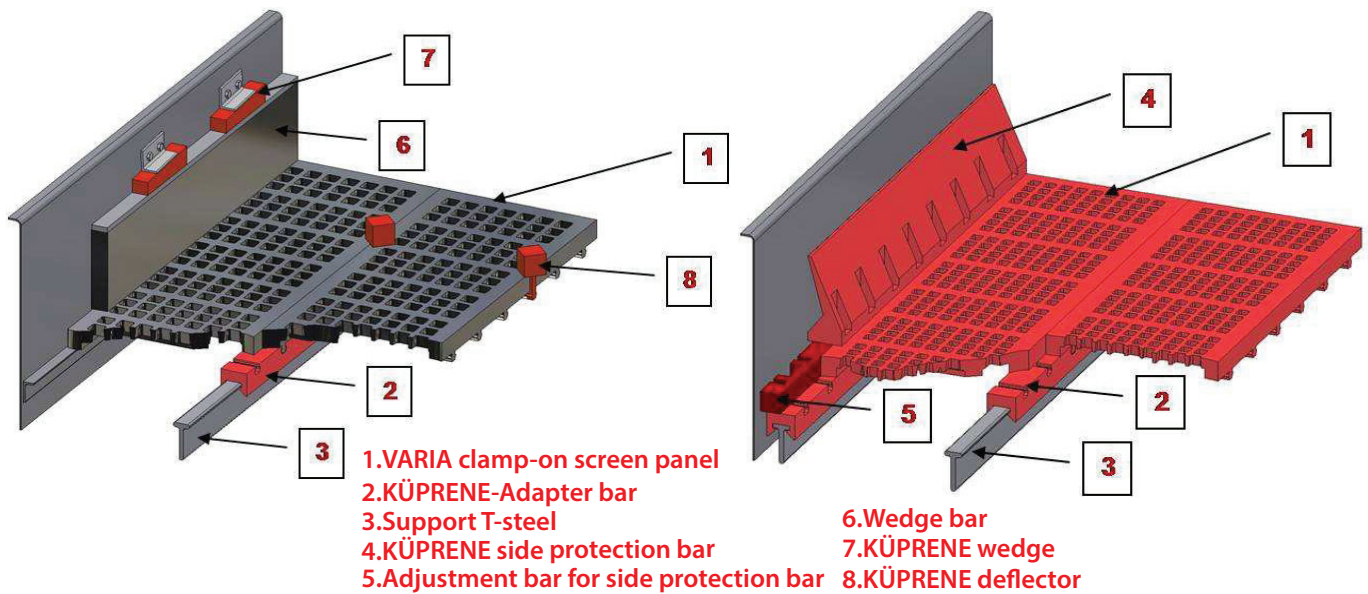
Applications.

-> Wet screening, dewatering

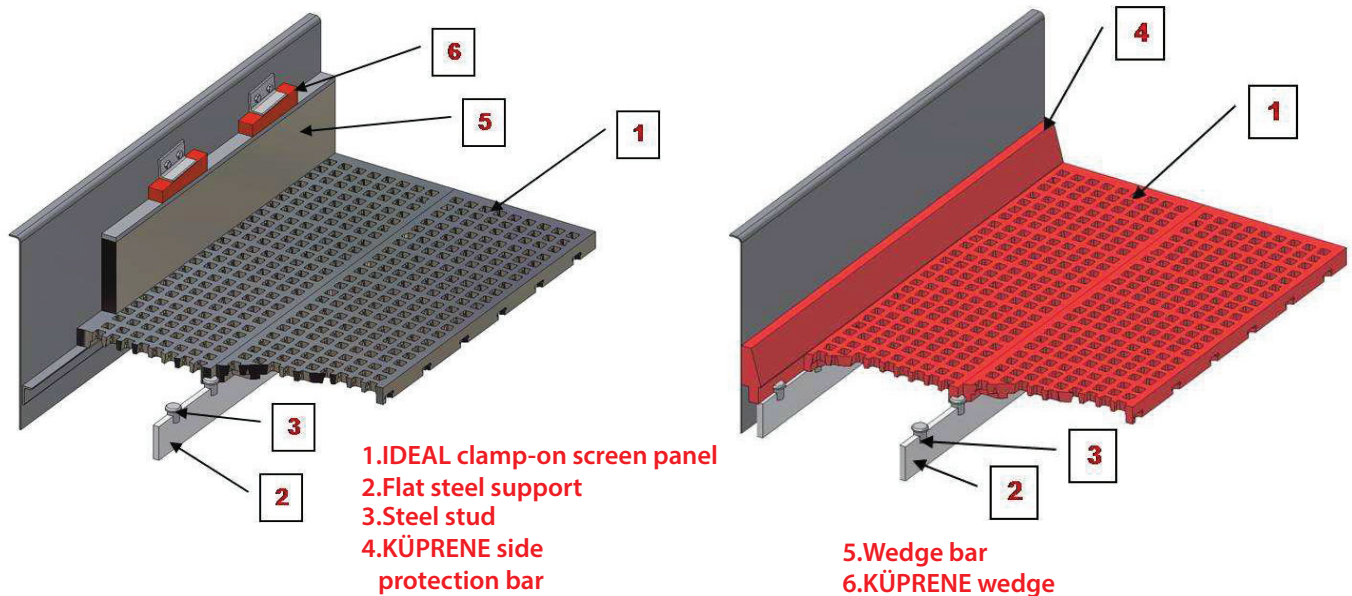
-> For quarries, gravel plants, mining, recycling industry.



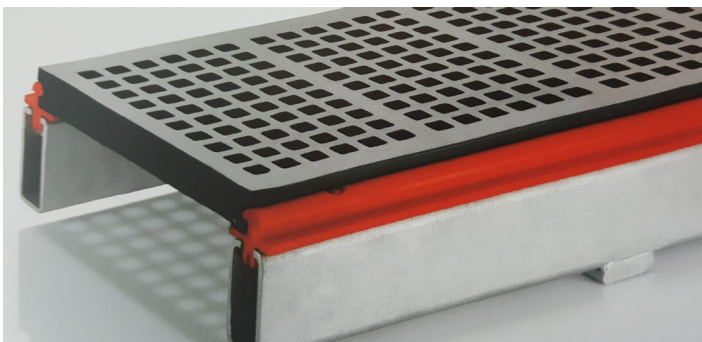
VARIA clamp-on system



IDEAL clamp-on system



GK-85 clamp-on system



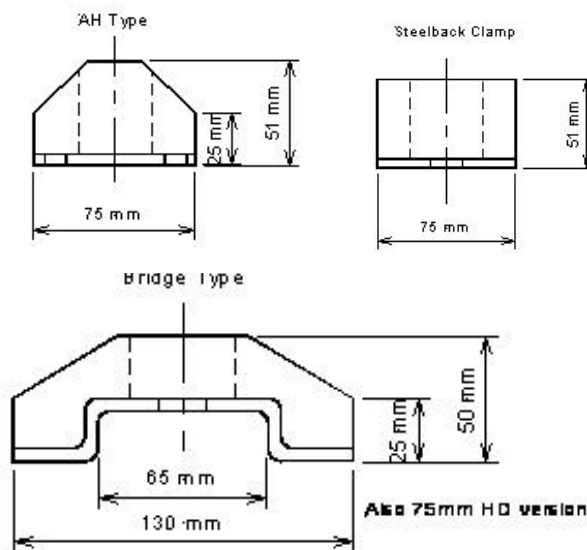
- very easy installation and removal.
- possible to use different screen surface.
- materials (rubber or polyurethane) on the same screen deck.
- no additional parts required for installation.
- screen panels are moulded with tapered openings.
- very economical.

To complement our screening range, we carry an unrivalled range of high quality screen accessories, many to our own design, and all produced from the highest quality materials.

We have dies manufactured for our capping rubbers offering a full 16, 20 or 25 mm cushion, all precision extruded from Ozone and UV resistant EPDM compound.

As well as supplying and refurbishing side tension clamps we undertake re-lining of screen tubes and underpans as required.

MHP CENTRE CLAMPS



MHP SCREEN BOLTS



Fully threaded M16 x Steelback clamp 130 mm with cup square head and plated, supplied with plain nuts and washers in bags of 25.

MHP SCREEN JETS

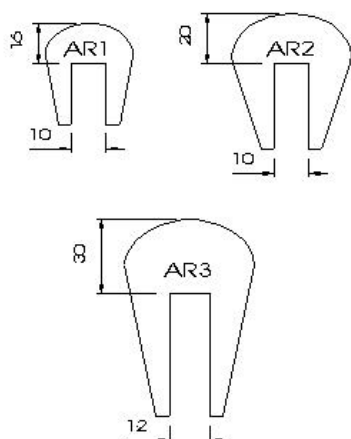


Special fan sprays with reversing valve for flow control and cleaning.

MHP CAPPING RUBBER

Traditional half-round sections having 35 mm legs with in-built grip ensure stability and retention. Full Ozone and UV protection from our EPDM compound and 20 m coil length.

AR1	16 mm cap	7 x 35 slot
AR2	20 mm cap	10 x 35 slot
AR3	25 mm cap	12 x 40 slot



MHP SIDE TENSION CLAMPS

We manufacture both new and refurbished side tension clamps for screening use.

MHP uses a unique process to bond the protective rubber firmly to the steel, without the need for any joints or seams even on tightly curved sections, thus preventing the ingress of material service intervals.



APPLICATION RANGE

Steadfast EP conveyor belts are used for moving bulk materials in a broad range of industrial working conditions. They are supplied to the mining, quarrying, construction, power generation and process industries, including glass making, cement, fertiliser manufacture, waste and recycling. Steadfast offers a complete range of conveyor belting and cover properties, combined with detailed applications engineering knowledge and advice to ensure optimum performance is achieved.

EP CARCASS STRUCTURES

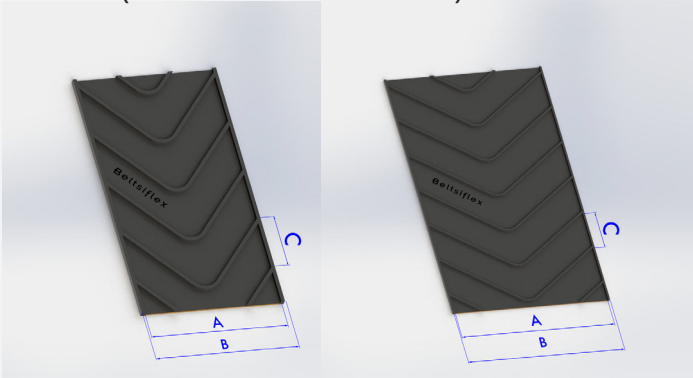
The belt carcass typically consists of 2 - 6 plies of synthetic EP (Polyester-Polyamide) fabric which offer good impact absorption, low elongation and excellent resistance to moisture ingress. Carcass strengths from 200 N/mm to 2500 N/mm are possible, although above 1600 N/mm we generally recommend using conveyor belts with a steel reinforced carcass - type ST.

BELT WIDTH RANGE

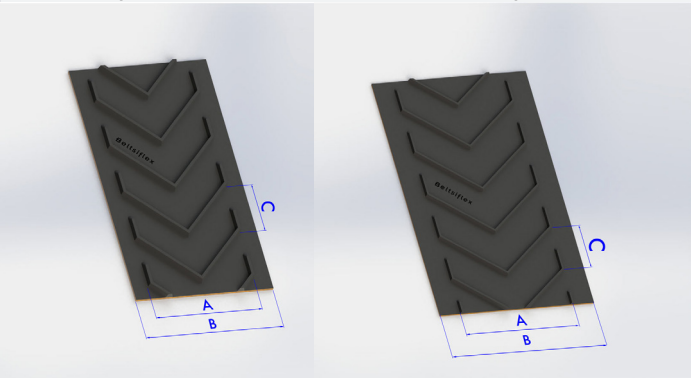
Belts are available with cut or moulded edges in all belt widths from 500 mm to 1800 mm.

APPLICATION	COVER TYPE	NOTES
General industry	Y	Standard grade for general purpose material conveying
Impact & abrasion	X / M24	For high volume and heavy impact of sharp, abrasive material
High abrasion	W	Ultimate specification for the most severely abrasive products
Flame resistant	K	Fire resistant covers for material with fire or explosion risk
	S	Full fire resistance throughout the belt carcass and covers
Oil resistant	MOR	Medium oil and grease resistant for organic materials
	ROS / NBR	High oil resistance grade to include mineral oils & chemicals
Heat resistant	T130	For applications where moderate heat resistance is required
	T150	Covers with higher temperature resistance properties
	T200 / EPDM	For very high temperature resistance
Oil & fire resistant	FR / OR	For special applications, such as elevating grains & animal feed

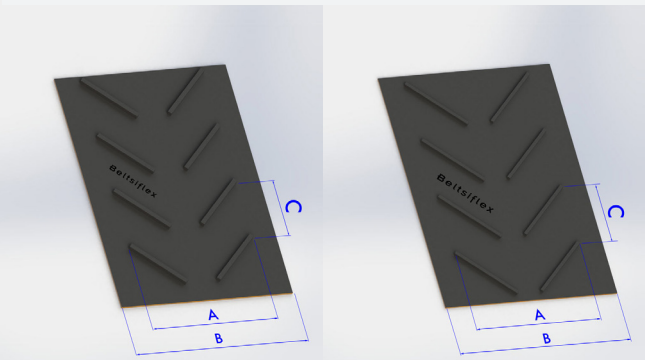
KAN 15 (A = 470-570-770-1200)



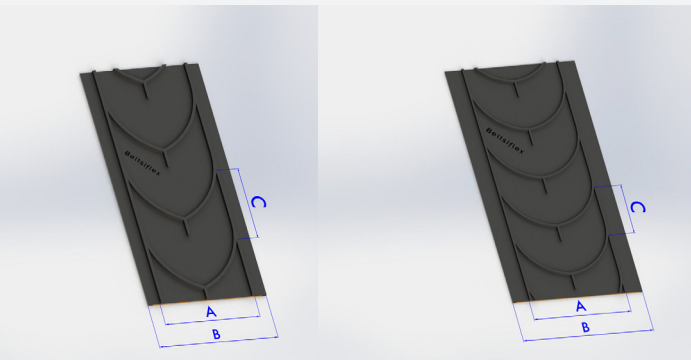
KAF 15 (A = 250-310-400-480-650)



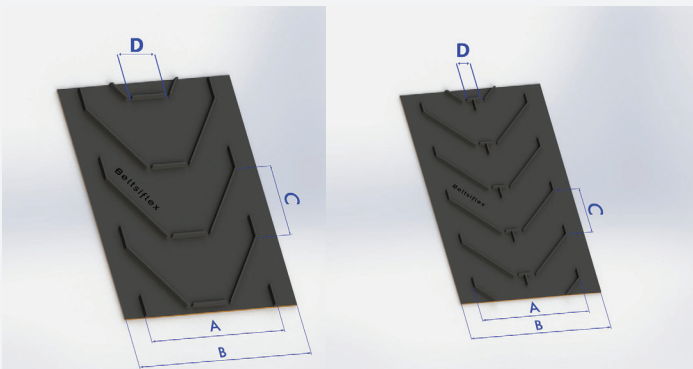
KAS 15 (A = 285-435-585-750)



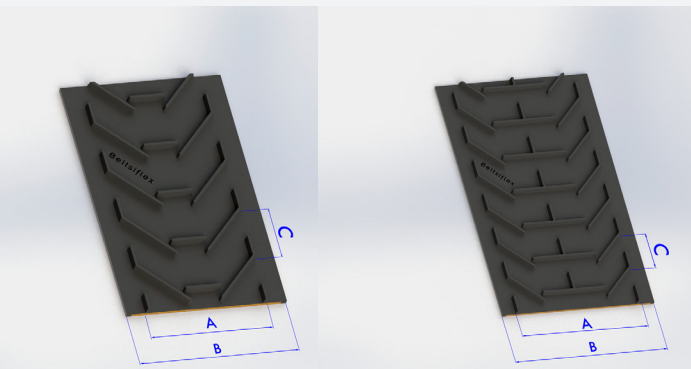
KFN 15 (A = 300-400-500-600)



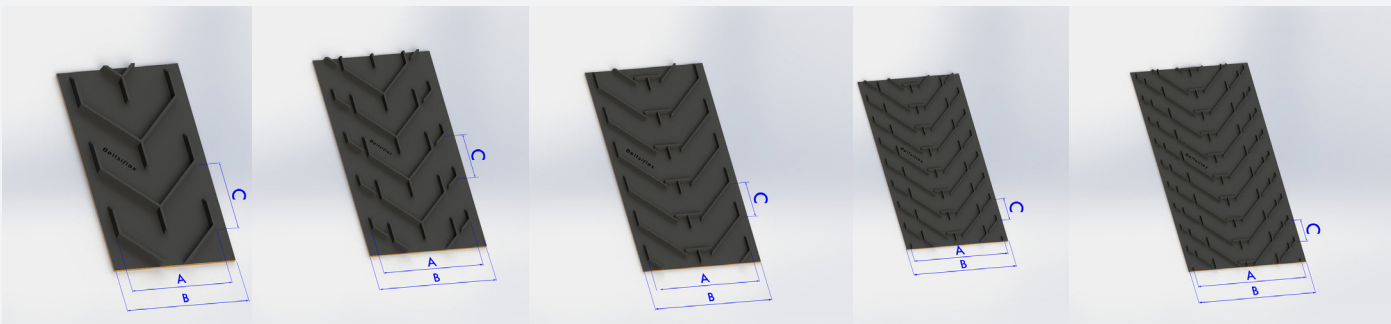
KIN 25 (A = 450-750-915)



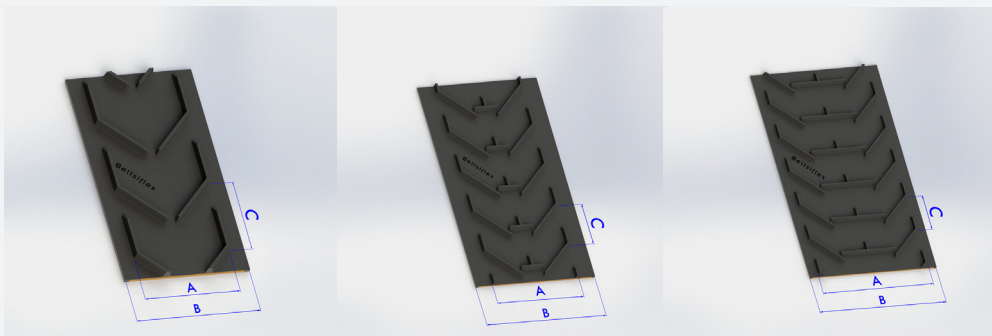
KFN 25 (A = 360-460-560-660)



KAF 32 (A = 450-680-880-1280-1480)



KFN 32 (A = 380-460-580-860)



A = Chevron pattern widths available.
B = Belt width
C = Pitch

HOT VULCANISED SIDEWALL CONVEYOR BELTS

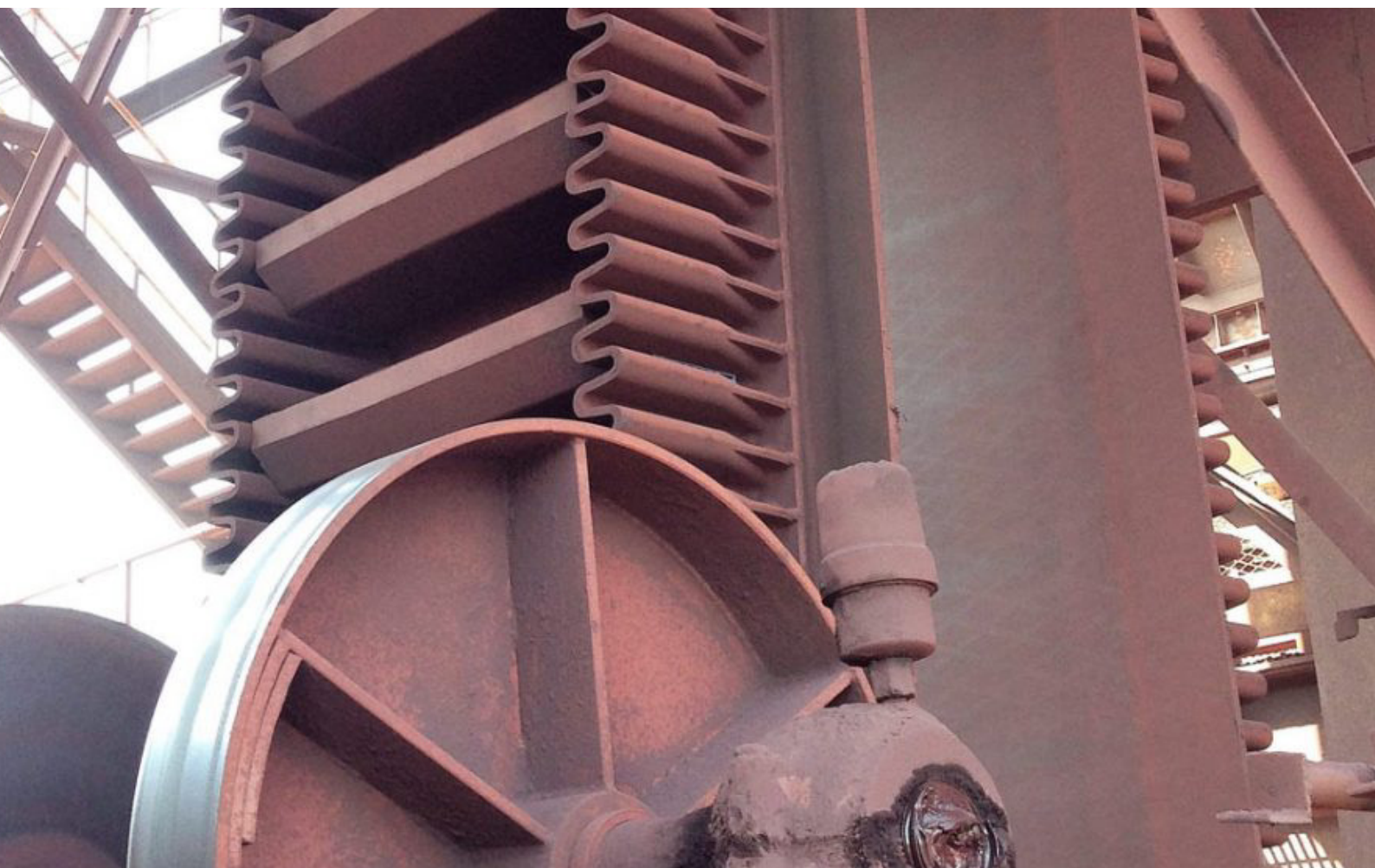
Beltsiflex® sidewall belts have been developed mainly for very steep angle conveying applications, up to a gradient of 90° (vertical plane).

As highly flexible conveyor belts, they facilitate switching from horizontal to inclined conveying and can be adapted to different layouts or arrangements to suit the needs of our customer's applications. Beltsiflex® sidewall belt increases transport capacity up to 4 times compared to other types of traditional belts of the same width.

It saves space by allowing the vertical conveying of materials.

This system allows for an economic structural installation, since it provides a single means of conveying materials, depending on the elevation height, where at least three conventional conveyors would have been necessary otherwise.

Multiple rubber cover grade options are available to suit the nature of the product to be transported and the environment within which the belt operates.

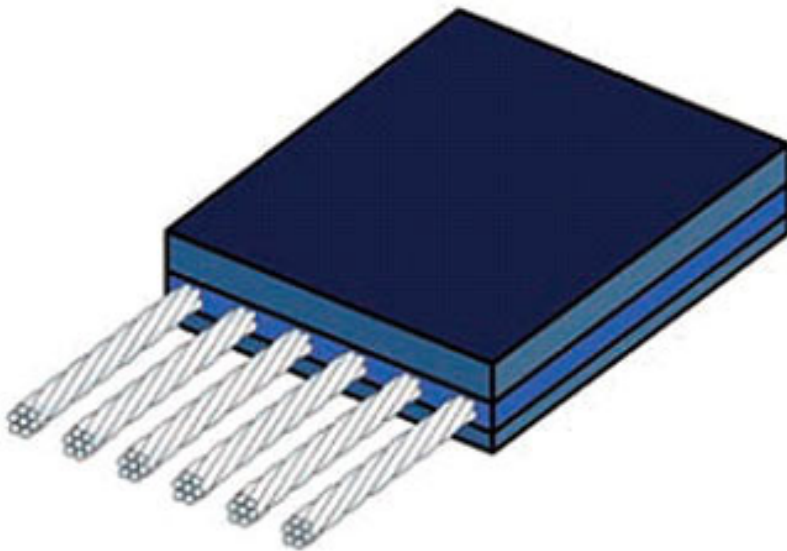


STEEL CORD CONVEYOR BELTS - ST

ST belts incorporate steelcord tensioning longitudinally, and are typically used in large mining, quarrying, bulk handling and power generation applications.

ST belts also provide several advantages:

- > Low elongation values facilitate the construction of very long conveyor installations.
- > Significantly greater flexibility than equivalent fabric reinforced conveyor belts
- > They typically have greater impact resistance
- > Belt properties remain stable within a broad range of operating conditions
- > Rubber covers of virtually any desired thickness are achievable
- > Breakages such as longitudinal tears, edge damage or holes are easily repaired by hot vulcanising, which enables a long service life for the conveyor belt.



Available in a range of cover grades to suit the nature of the conveyed materials and working environment in several abrasion resistant, heat resistant, fire resistant and oil resistant options.

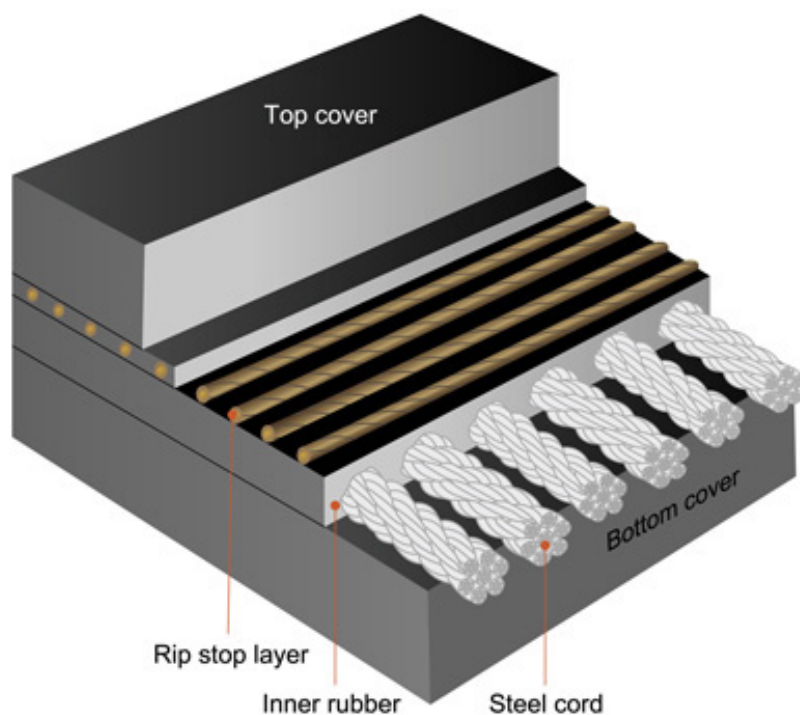
RIP-CHECK CONVEYOR BELTS

Rip and impact resistant conveyor belts are recommended for carrying lumpy, jagged materials in heavy duty conditions. These types of conveyor belts feature high impact and tear resistance provided by a special breaker textile or metal weave.

The type of breaker used to manufacture rip and impact resistant conveyor belts differs depending on the application.

For increasing lateral strength, high elongation steel mesh is used as weft cord.

For increasing lateral stiffness, regular steel mesh can be used. Breaker material is also available as a fabric weave with increased tear and impact resistance for lighter working conditions where steel is not required.



Available in different cover grades from stock or made to order according to customer requirements.

SRC-35 BELT (SUPER ABRASION RESISTANT)

The physical and mechanical properties of the product represent an unprecedented development for conveyor belt cover properties for the toughest applications.

Characteristics such as the abrasion level, tensile strength and elongation at break are increased to levels beyond those that can be achieved with any type of rubber. These properties allow thinner belts to be used than a standard rubber equivalent whilst improving belt lifetime and offering considerable energy potential.

The belt carcass is usually a standard construction. The SRC-35 covers can be applied to just one cover or to both top and bottom covers. Belt dimensions are calculated and matched to the requirements of the service load, demands of the installation and client request.

Belt characteristics

Dimensions	Value
Top cover (mm)	Between 2 and 10
Bottom cover (mm)	Between 2 and 10
Tensile strength	Client request
Maximum width (mm)	1800
Maximum length (m)	Client request
Thickness (mm)	Client request
Weigth (Kg/m2)	To be advised depending on the belt spec

Mechanical properties	Unit	Value
Tensile strength DIN53504	MPA	min 51
Elongation at break DIN53504	%	425
Hardeness ISO868	Method	85
Density DIN53505	gr/cm3	1,2
Abrasion DIN53516	mm3	30
Compresion SET 72h, 23C° ISO 815,	%	25
Resilience impact ISO 4662	%	42
Tear propagation resistance ISO 31-1.	Kn/m	70
Temperature range	°C	-30 - +70

Other characteristics

Oil and fat resistant.
FDA approved for the food industry.





steadfast group

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