RUBBER TECHNOLOGY





INDEX



S 6 AN S S 6 EV N 5



SELF-SUPPORTING RUBBER SCREEN

GMB self-supporting rubber screens are composed of 500 mm long panels placed side-by-side along the width of the vibrating screen. Each panel consists of a vulcanized rubber screening surface on an inner steel core frame.

Materials:

Internal reinforcing is made of welded Fe37 steel. Screens are made of rubber compounds with different degrees of elasticity and hardness to suit the characteristics of the material to be screened.

Properties:

- High abrasion resistance.
- High output and quality of the product being screened.
- Ease of installation and replacement.
- Substantial noise reduction.
- Anti-clogging.
- Anti-packing.

Uses:

Self-supporting rubber screens have been used by now for many years in quarries, in the steel and glass industry, in mining and in waste treatment.

Advantages of our screens compared to traditional screens: • Significant increase in service life.

- Great ease of installation due to the modular composition and the rigidity of the panels. No modifications required to the vibrating screen.
- Noise reduction.
- High self-cleaning properties enhanced by the microvibrations of the panel and the release properties of the rubber. Packing and clogging are practically removed even with wet and sticky materials. Special softer compounds can be used with difficult materials to keep the screen clean.
- No clogging, even with granulate at borderline sizes thanks to the special taper of the holes.

All screens and holes are produced in standard or customdesigned modules based on the material to be screened and the type of vibrating screen.

All screens can be manufactured:

- With self-supporting frame with or without tensioning hooks.
- Flexible with tensioning ropes and hooks.
- With connecting rods and socket joints on request.





ANTI-CLOGGING SCREENS

These are universal screens, mainly used on wet vibrating screens.

Compound hardness: 70 shore.

ANTI-PACKING SCREENS

This screen is made of a softer compound which, thanks to its higher absorbtion of localized vibration, is able break the surface tension of the mesh-blinding inerts. They are mainly used on dry sieving devices.

Compound hardness: 50 shore.



Hole width (F)	Panel thickness (S)	Wear thickness (H)	Surface thickness (C)
2,5	25	5,4	2,1
3	25	6	2,4
3,5	25	6	2,5
4	25	5,2	2,5
5	25	6,1	2,8
6	25	8	3,2
7	25	9,4	3,6
8	25	9	3,6
9	25	11,5	3,8
10	25	11	6,4
11	25	12	7,2
12	25	13	7,2
13	25	14,5	7
14a	35	15	7,5
14b	35	15	13
15	35	16,5	9
16	35	17	8
18a	35	19	8,5
18b	35	19	18
20	35	21	11
22	35	21,5	11

Hole width (F)	Panel thickness (S)	Wear thickness (H)	Surface thickness (C)
23,5	35	22,5	12
25	35	24,5	14
26,5	35	25,2	20
28	35	24,5	15
30	35	25	16,5
32a	35	25	14
32b	35	26	27
35	35	26	23
37	35	26	23
40	35	30	20
42	35	30	22
45	35	30	26
50	38	35	*
57	38	35	*
62	38	35	*
70	38	35	*
75	38	35	*
77	38	35	*
80	38	35	*
90	38	35	*
105	38	35	*
125	38	35	*

PHYSICAL/MECHANICAL TECHNICAL DATA OF THE RUBBER USED IN WET VIBRATING SCREENS

Density Mg/m³	Shore A hardness units A	Modulus A 300% MPa	Tensile strength MPa	Elongation at break %	Tear resistance KN/m	Abrasion loss mm ³	Elastic yield %
1.134	70	11	19.8	480	104	80	43
ISO 2781	ISO 868	ISO 37	ISO 37	ISO 37	ISO 816	ISO 4649	ISO 4662

PHYSICAL/MECHANICAL TECHNICAL DATA OF THE RUBBER USED IN DRY VIBRATING SCREENS

Density Mg/m³	Shore A hardness units A	Modulus A 300% MPa	Tensile strength MPa	Elongation at break %	Tear resistance KN/m	Abrasion loss mm ³	Elastic yield %
1.098	50	7.4	17.2	520	65	125	63
ISO 2781	ISO 868	ISO 37	ISO 37	ISO 37	ISO 816	ISO 4649	ISO 4662

POLYURETHANE SCREENS

Polyurethane screens are particularly suitable for grading aggregates with vibrating and rotary screens.

We manufacture screens on order according to customer requirements.

We offer various ranges of polyurethane screens depending on the type of screening and their use, as specified below.

- Screens with self-supporting frame, hardness from 50 to 90 shore.
- Screens for vibrating driers, hardness from 50 to 90 shore.
- Screens with modular joining system with various types
 of connections.
- Flexible screens with anchoring points.

All screens can be manufactured:

- With self-supporting frame with or without tensioning hooks.
- Flexible with tensioning ropes and hooks.
- Polyurethane-only belts with custom-designed anchoring points.
- With connections and joint on request.





RUBBER SCREEN WITH FABRIC REINFORCEMENT

Fabric-reinforced rubber screens have crosswise and longitudinal tensioning and are particularly suitable where packing and clogging problems persist when screening wet and dry materials.

They are manufactured according to the type of vibrating screen, the type of screening and on customer order.

Supporting cross members, shielded by protection cleats (supplied by us as per catalogue pag.12). Must be properly sized. They will have excellent operating lives when properly installed.

They can be provided with square, round and slotted holes and various types of hooks on customer request.



WIRE SCREENS

NORMAL WIRE SCREENS

Wire screens can be supplied in standard or stainless steel, and be anti-clogging according to the type of material to be screened and customer requirements.

They can be provided with or without hooks of various types, depending on the type of fastening of the vibrating screen.

ANTI-CLOGGING WIRE SCREENS

They are made with the addition of longitudinal wires or longitudinal and horizontal wires at preset distances according to screening requirements. They are suitable for all vibrating screens with clogging problems thanks to oscillating movements of the longitudinal wires. Suitable for screening wet materials that are likely to clog.

W-WAVE Screens

These are plaited wave wire screens with vertical steel wires which, positioned directly on top of the cross members of the vibrating screen, properly calibrate the size of the material.

THREE-W WAVE Screens

These wire screens differ from W-WAVE screens by adding a thicker horizontal steel wire to completely remove material clogging on the vibrating screen.

PU-WAVE Screens

These are plaited wave wire screens with polyurethane along the vertical axis which, positioned on the basis of the cross members of the vibrating screen, properly calibrate the size of the material.

THREE-PU WAVE Screens

These wire screens differ from PU-WAVE screens by adding a thicker horizontal steel wire to completely remove material clogging on the vibrating screen.

ANCHORING HOOKS







+ 1			

Square mesh screens













PERFORATED PLATES

Each plate is composed of a perforated steel plate of suitable thickness, and can be coated with either vulcanized rubber or polyurethane.

Uses:

These plates are employed when large-sized materials are to be screened.

Properties:

- High abrasion resistance
- High breaking resistance.
- Ease of installation.
- Substantial noise reduction.
- Anti-clogging.
- Anti-packing.
- Corrosion resistance.

Advantages of our plates compared to traditional plates: Significant increase in service life.

- Great ease of installation due to the modular composition and the rigidity of the panels. No modifications required to the vibrating screen.
- Noise reduction.
- High self-cleaning properties enhanced by the microvibrations of the panel and the release properties of the rubber.
- No clogging, even with material at borderline sizes, thanks to the particular taper of the holes on the rubber and to the increased perforation in the plate.
- Protects the underlying structure of the vibrating screen by positioning panel holes as required.

Perforation can be standard or custom-designed.





Aperture width (F)	Metal frame thickness (M)	Rubber thickness (G)
40	2/5	8/40
45	2/5	8/40
48	2/5	8/40
50	2/5	8/40
55	2/5	8/40
57	2/5	8/40
60	2/5	8/40
62	2/5	8/40
65	2/5	8/40
70	2/5	8/40
72	4/8	10/50
75	4/8	10/50
77	4/8	10/50
80	4/8	10/50
85	4/8	10/50
90	4/8	10/50
95	4/8	10/50
100	4/8	10/50
102	4/8	10/50
105	4/10	20/80
108	4/10	20/80
110	4/10	20/80
115	4/10	20/80
120	4/10	20/80
125	4/10	20/80
130	4/10	20/80
135	4/10	20/80
140	4/10	20/80
145	4/10	20/80
150	4/10	20/80
155	4/10	20/80
160	4/10	20/80
165	4/10	20/80
170	4/10	20/80
180	4/10	20/80
190	4/10	20/80
200	4/10	20/80



ACCESSORIES FOR SIEVING SYSTEMS

CROSS MEMBER PROTECTION CLEATS

They are used to protect the cross members on the vibrating screens.

They can be supplied in 3 different types with different heights, thicknesses and internal grooves.

They are perfectly adaptable to any type of vibrating screen and ensure excellent wear resistance both for metal parts and for screens.



Low profile



High profile





Extra high profile

SPRAY NOZZLES

In most cases these are manufactured out of polyurethane but can also be made out of brass.

Their special fan shape gives an even jet of water ideal for washing any type of material being screened.

They can be provided with various holes and with 1/2" and 3/4" hooking systems.



FASTENING SYSTEMS

Various fastening systems are available for fastening screens. These can be selected according to the type of screen being used, the type of machine and the material being screened.

We can manufacture any type of system including the ones listed below:

- Polyurethane wedges.
- Side fastening blades.
- Central fastening blades.
- Side fastening bars.
- Central fastening bars.
- Fastening plugs.
- Fastening system using nails.



INSTALLATION WITHOUT MODIFICATIONS TO THE VIBRATING SCREEN



BARS ----MPAC AND S 2 2 _



LININGS

RUBBER LININGS

CHANNEL/ HOPPERS / SILOS / SCREEN DISCHARGE POINTS

We are experts in solving problems caused by **wear**, **noise and scale** and have developed a series of elastic compounds with different physical properties.

Up to 200 mm thick **plate panels with hot vulcanized rubber** and sizes on request. **Panel** installation and fastening is done by welding or bolting just like standard steel plate.

Rubber sheets are prepared for bonding with thicknesses up to 50 mm.

Supply of standard 1000x2000 mm or 1250x2500 mm plates and custom-made up to 200 mm thicknesses according to customer requirements.



ROD MILL LININGS

We have, given the importance of this machine, devoted considerable effort and attention to the study of **rod mill** coatings.

Characteristics:

- **RUBBER LIFTERS** embedded on a steel rail for easy installation and a secure clamping.
- **RUBBER SHEETS** vulcanized on steel supports.
- DIFFERENT RUBBER COMPOUNDS for various types of material to be crushed.

Moreover our coatings provide high noise reduction.

Rubber lifters and sheets are manufactured to size depending on the type of mill.



SAWTOOTH LININGS

These are used to handle materials in unfavorable areas that require high wear resistance and resistance to the impact of falling materials.

They are provided with a FE37 steel plate with an ultraabrasion-resistant vulcanized rubber with tooth profile.

Sizes and thickness are specifically made according to customer requirements and vary according to the area to be coated.



IMPACT BARS

GM70PE IMPACT BARS

GM70PE impact bars are used in the conveyor belt loading area under the hopper. They are made by combining the best properties of two materials such as the low friction of polyethylene and the ability of rubber to absorb shock.

Advantages:

GM70PE impact bars, placed correctly under the loading areas, prevent damage to the belt, stabilize its movements and avoid side spills of material being conveyed, increasing wear protection on conveyor systems and helping reduce residues build-up and noise emissions.

Properties:

BELT TWISTING

NO CROSS-TWISTING

OF THE BELT

- Maximum wear resistance with consequent reduction of risks of belt damage.
- Reduced consumption of energy as the belt slides on a layer of polyethylene with a low coefficient of friction.
- Shock absorption due to the impact of material with the conveyor belt.
- Easy to install with consequent reduction in costs and maintenance times.

SIDE-DAMPING OF

SHOCK-ABSORBING

BAR GMT70PE

NO FALL OF MATERIAL

MATERIAL

Our GM70PE impact bars are manufactured with a special antiabrasive hot vulcanized rubber on metal sections that make the bar a single compact and easy to use element.

Special T-head bolts are inserted into the guides and fastened by nuts, adhering to the lower sides of the section. The result is extremely simple, easy and quick installation without the need for specialized staff and at the same time eliminating the need for long system stoppages even when covering already operating elements and offering, as already stated, consequent reduction in costs and maintenance times.



GM70PE impact bars are manufactured with the following characteristics and dimensions:

- high molecular density polyethylene sheet (1,000,000 molecules/gm) with a low coefficient of friction.
- 70 shore or 50 shore hardness anti-abrasive rubber (other hardnesses on request).
- aluminum section.



Height (H)	Width (A)	Lenght (L)	Bolts		
50	100	1220	Set of 4 per bar		
75	100	1220	Set of 4 per bar		
50	100	1500	Set of 4 per bar		
75	100	1500	Set of 4 per bar		
Additional sizes can be provided on application					

LININGS 17

RUBBER SHEETS



RUBBER SHEETS

NOMABORD®

Rubber with good wear, tear and shock resistance. Used for cold abrasive materials. Maximum operating temperature 80°C.

black

SBR

6 - 8 - 10 -15 -20 - 25 mm

Excellent for use as flap.

Product features

Colour

Elastomer

Thickness

Width	Width 1.200 mm		
Specifications	Unit	Tolerance	Value
Hardness	shore	±5	60
Specific weight	g/cm³	±0,03	1,25
Tensile strenght	Мра	min.	14
Elongation at breaking	point %	min.	300
Resistance to abrasion	mm ³	max.	200

SABBIATEN®

Rubber with exceptional abrasion and tear resistance.

Particularly suited to metal surface cover in case of even largesize sharp-edged and abrasive falling materials. Available with **CS** underlay for exceptional adhesion to metal surfaces or rubber to rubber. Maximum operating temperature 80°C.

			_	
Product features				
Colour		black		
Elastomer		NR/SBR		
Thickness	3 - 5 - 8 - 10 - 15 - 20 - 25 - 30 mm			
Width	1.500 - 2.000 mm			
Specifications		Unit		
Hardness		shore		
Specific weight		g/cm³		
Tensile strenght		Мра		
Elongation at breaking point		%		
Resistance to abrasion		mm ³		



Value

60

1,13 17

400

110

Tolerance

±5

±0,03

min.

min.

max.

CREPBORD®

Highly elastic and soft rubber with low specific weight, high yield.

Good abrasion resistance.

Because of its elasticity it is excellent for use as flap. Maximum operating temperature 60°C.

Product features				
Colour	red - yellow - beige			
Elastomer	NR			
Thickness	3 - 6 - 8 - 10 - 12 - 15 - 20 - 25 mm			
Width	1200 - 1500 - 2000 mm			



Specifications	Unit	Tolerance	Value	
Hardness	shore	±5	40	
Specific weight	g/cm³	±0,03	1,08	
Tensile strenght	Мра	min.	18	
Elongation at breaking point	%	min.	600	
Resistance to abrasion	mm ³	max.	120	

SUPERCREPBORD®

This rubber is suitable for uses where great elasticity, softness and abrasion resistance are required.

Used to cover cyclones and all parts in contact with very abrasive materials that are not large in size.

It is used with **CS** underlay for exceptional adhesion to metal surfaces or rubber to rubber. Maximum operating temperature 60°C.

Product features			
Colour	red		
Elastomer	NR		
Thickness	3 - 7 - 10 - 15 mm		
Width	1500 - 2000 mm		
Specifications		Unit	
Hardness	shore		
Specific weight	nt g/cm ³		
Tensile strenght		Мра	
Elongation at breaking point		%	



Specifications	Unit	Tolerance	Value
Hardness	shore	±5	35
Specific weight	g/cm³	±0,03	1,01
Tensile strenght	Мра	min.	18
Elongation at breaking point	%	min.	650
Resistance to abrasion	mm³	max.	60

OLEOBORD®

Nitrile synthetic rubber-based quality with high resistance to mineral, vegetal and animal oils and greases and fuel, petrol and aliphatic solvents. Available with **CS** underlay.

Maximum operating temperature 120°C.

Product features		
black		
NBR		
6 - 8 - 10 - 15 - 20 mm		

1500 - 2000 mm

Specifications	Unit	Tolerance	Value
Hardness	shore	±5	60
Specific weight	g/cm³	±0,03	1,25
Tensile strenght	Мра	min.	12
Elongation at breaking point	%	min.	300
Resistance to abrasion	mm ³	max.	200

PIROBORD®

Width

Heat-resistant rubber with a good resistance to even highly concentrated acids.

Excellent for use as flap.

Available with **CS** underlay.

Maximum operating temperature 150°C.

Product features			
Colour	black		
Elastomer		SBR	
Thickness	6 - 8 - 10 - 15 - 20 mm		
Width	1500 - 2000 mm		
Specifications		Unit	
Hardness		shore	
Specific weight		g/cm ³	
Tensile strenght		Мра	
Elongation at breaking n	oint	%	



Specifications	Unit	Tolerance	Value
Hardness	shore	±5	60
Specific weight	g/cm³	±0,03	1,15
Tensile strenght	Мра	min.	15
Elongation at breaking point	%	min.	400
Resistance to abrasion	mm³	max.	150

TERGIBORD®

Scraper made of a single layer of high hardness rubber.

Excellent belt-cleaning rubber, this solution allows the installation of a scraper of suitable hardness and rigidity, with the ability to follow the contour of the belt and ensure proper cleaning.

Product features		
Colour	black	
Elastomer	SBR	
Thickness	10 - 15 - 20 - 25 - 30 mm	
Width	1500 mm	



Specifications	Unit	Tolerance	Value
Hardness	shore	±5	70
Specific weight	g/cm³	±0,03	1,20
Tensile strenght	Мра	min.	16
Elongation at breaking point	%	min.	300
Resistance to abrasion	mm ³	max.	150

TERGIBORD/S®

Scraper made of three layers of rubber, the two outer layers are harder while the inner layer is softer for greater elasticity and capacity to adapt to the belt surface.

Excellent belt-cleaning rubber, this solution allows the installation of a scraper of suitable hardness and rigidity, with the ability to follow the contour of the belt and ensure proper cleaning.

Product features			
Colour	black - red - black		
Elastomer	NR		
Thickness	10 -	10 - 15 - 20 - 25 - 30 mm	
Width	1500 mm		
Specifications		Unit	
Hardness		shore	
Specific weight		g/cm³	
Tensile strenght		Мра	
Elongation at breaking point		%	
Resistance to abrasion		mm ³	



Specifications	Unit	Tolerance	Value
Hardness	shore	±5	65/40/65
Specific weight	g/cm³	±0,03	1,13
Tensile strenght	Мра	min.	15
Elongation at breaking point	%	min.	400
Resistance to abrasion	mm ³	max.	120

LINERFLEX® DRUM LINING

This is the ideal solution to increase the coefficient of friction between belt and drive drum.

In addition to preventing slippage it increases belt stability, evacuates dirt and protects the drum against wear and corrosion. The quality of the rubber ensures excellent abrasion and shear resistance.

Available with **CS** underlay.

Product features		
Colour	black	
Diamond size	Mini diamond: 18x35 mm Large diamond: 35x60 mm	
Elastomero	NR	
Thickness	8 - 10 - 15 - 20 mm	
Width	1200 - 1500 - 2000 mm	



Specifications	Unit	Tolerance	Value
Hardness	shore	±5	60
Specific weight	g/cm³	±0,03	1,13
Tensile strenght	Мра	min.	17
Elongation at breaking point	%	min.	400
Resistance to abrasion	mm³	max.	110



LINERFLEX® CERAMICA

"LINERFLEX[®]" ceramic rubber is suitable for wide ranges of applications and pulley sizes.

It can be easily adapted to any size of pulley thanks to the unique design of the tile that offers maximum flexibility.

The installation is fast and easy on even the smallest diameter pulley.

The tiles are fully embedded in the rubber and combined with large cuts and drains that provide a coefficient of friction between belt and pulley with no wear in the toughest work conditions.

It offers greater stability and friction thanks to high flexibility, extreme abrasion resistance and self-cleaning characteristics.

Fields of application:

- Drum lagging for extreme working conditions.
- In the presence of moisture, clay, mud, handling of abrasive materials, in the presence of conveyor belts with high loads and in particular in case of drive drums subject to high wear.
- With non-motorized drums.

Properties:

- Vulcanized ceramic Al2 O3 components.
- Single row and notched ceramics.
- Extremely wear resistant.
- Low stress for the belt thanks to the elastic SABBIATEN[®]
 CS bottom.
- Easy and long-lasting fastening with accessories for bonding.

			•	-	~
		0			
ten f					
rt	1 [25.00				
rte Ire	25.00				
35.00	25.00				
0 35.00 -					
386.00 35.00 1					
386.00 35.00 1					

Dimensions	
Thickness	12 mm
Width	385 mm
Lenght	10.000 mm

ROTARY BRUSH FOR BELT CLEANING

• This rotary rubber brush is usable on any type of belt.

• Rotating in the opposite direction to the belt is ideal for the removal of fine or dusty materials or material that easily attaches to the belt



REPAIR KITS



TETAKO® PUTTY

The quantities in the kit are calibrated, so two-part **TETAKO**[®] adhesive is the ideal, safe and fast solution to join metal and textile conveyor belts, repair plies and covers on any type of belt and lag drums with both rubber and ceramic.

The **TETAKO**[®] adhesive can also be used in any situation where it is necessary to bond metal surfaces with rubber, rubber with fabric, rubber with rubber and fabric with fabric.

The quantities in the kit are calibrated, so by simply mixing the pack of putty with the hardener you obtain the product that is ready for immediate use. It is therefore possible to intervene immediately and prevent downtime and production losses.

Regular sizes

Mastic 0,75 kg + Hardener 45 gr

Mastic 50 kg + Hardener 0.75 kg

More sizes available upon application



Pulling strenght

Strenght (in Newton)	Test Running time (in sec.)	Adhesive Strenght per unit of width (Kg/cm)
6.444	0.69	0.328644
15.340	1.38	0.782340
28.050	2.08	1.430550
41.140	2.77	2.098140
58.010	3.46	2.958510
78.759	4.15	4.016709
104.790	4.84	5.344290
128.500	5.54	6.5535500
145.460	6.23	7.41846
165.08	6.92	8.41908
179.13	7.61	9.13563
186.82	8.30	9.52782
185.86	9.00	9.47886
202.22	9.69	10.31322
208.98	11.07	10.65798
219.98	11.76	11.21898
230.56	12.46	11.758556
242.23	13.15	12.35373
259.78	13.84	13.24878
268.24	16.61	13.68024

Strenght (in Newton)	Test Running time (in sec.)	Adhesive Strenght per unit of width (Kg/cm)
268.12	17.30	13.67412
268.01	17.99	13.66851
216.34	20.07	13.32834
259.67	21.45	13.24317
268.24	16.61	13.68024
269.12	17.30	13.67412
268.01	17.99	13.66851
261.34	20.07	13.32834
259.67	21.45	13.24317
257.89	24.22	13.15239
253.76	30.45	12.94176
248.98	34.60	12.69798
243.43	43.60	12.41493
231.67	47.75	11.81517
229.600	51.9	11.51529
225.79	57.44	11.51529
221.23	60.90	11.28273
219.65	69.20	11.20215
201.400	74.74	10.2714
189.87	78.89	9.68337



TESTING EQUIPMENT TENSILE TESTING MACHINE TYPE T5002 J.J LLOYD INSTRUMENT LIMITED WARSASH, SOUTHAMPTON, ENGLAND

DIAMOND OR RECTANGULAR REPAIR PATCHES IN ROLLS

They are used for joining and cold repair of textile and steelcord conveyor belts.

We can provide diamond or rectangular patches in rolls made entirely out of rubber or with a textile reinforcement and all with a **CS** adhesive underlay.



450 x 470 mm

All rubber patches are available with or without textile reinforcement

6-POINT STAPLES

Dimensions of diamond-shaped patches

135 x 160 mm

270 x 360 mm



6-point staples are made of stainless steel and are used for cold longitudinal repair of conveyor belts.

They are supplied in 100-piece boxes of various sizes depending on the thickness of the belt to repair.

Туре	Suitable for belt thickness (mm)
6 points n°1	4 - 6 mm
6 points n°2	6 - 8 mm
6 points n°3	8 -10 mm
6 points n°4	10 -13 mm
6 points n°5	13 - 16 mm
6 points n°6	16 - 19 mm
6 points n°7	19 -22 mm

SCRAPERS



SCRAPERS

GMB conveyor belt scrapers ensure excellent cleanliness of the belt on which they are mounted. The scrapers have the advantage of keeping the sliding support clean of dusty or sticky (viscous) residues of materials being conveyed, greatly reducing operating costs.

Scrapers come in a variety of types.



RUBBERIZED CROSS-SECTIONS

Model	Core lenght	Rubber lenght	Core cross-section size (mm)	
500	800	500	30x30	
650	950	650	30x30	
800	1100	800	30x30	
1000	1300	1000	30x30	
1200	1500	1200	30x30	
1000	1300	1000	40x40	
1200	1600	1200	40x40	
1400	1800	1400	40x40	
1600	2000	1600	40x40	
More sizes available upon application				





INPOLYURETHANE/CERAMIC



e (mm)	Model	Core cross-section size (mm
	400	30x30
	500	30x30
	600	30x30
	650	30x30
	700	30x30
	800	30x30
	1000	30x30
	1200	30x30
	1300	30x30
	1400	30x30
	1500	30x30
	More sizes availabl	e upon application

Model	Core cross-section size (mm)		
400	30X30		
500	30X30		
600	30X30		
650	30X30		
700	30X30		
800	30X30		
1.000	30X30		
1.200	30X30		
1.300	30X30		
1.400	30X30		
1.500	30X30		
More sizes available upon application			

PRIMARY SCRAPERS

POLYURETHANE BLADES

Acting along the tangent to the power drum of uni-directional belts, their purpose is to remove the majority or material residues from the belt towards the unloading zone. **Features:** scraping blades in polyurethane suitable for materials with a low abrasion grade

TUNGSTEN BLADES

Acting along the tangent to the power drum of uni-directional belts, their purpose is to remove the majority or material residues from the belt towards the unloading zone. **Features:** scraping blades in tungsten suitable for materials with a very high abrasion grade.



SECONDARY SCRAPERS

POLYURETHANE BLADES

Simple and inexpensive. Installed on the outer side of the return belt in the vicinity of the drive drum. Suitable for belts conveying dry and not very sticky materials.



TUNGSTEN BLADES

Simple installation. They convey removed materials directly to the discharge area. Suitable on unidirectional belts without metal joint and for wet and sticky materials.





COMPLETE SCRAPERS ASSEMBLIES

These devices are used to support the scrapers. They consist of 2 supports and 2 tensioners. They differ in scrapers with 30x30 mm tubular sections and 40x40 mm tubular sections.



IDLER ROLLERS



IDLER ROLLERS

Rollers for conveyor belts with medium-heavy loads at high speeds.

They are very effective in difficult working conditions. Rollers can be supplied in standard steel or stainless steel, with different load-bearing capacities according to the type of system and customer requirements.



IDLER ROLLERS



Light duty

Туре	Diameter	L	т	А	СН
200	60	T+8	L-8	L+18	17
P200	76	T+8	L-8	L+18	17
P200	89	T+8	L-8	L+18	17
Type of key (CH) available: CH 12 - 13 - 14 -15 - 30					

Medium-heavy duty

Туре	Diameter	L	т	А	СН
P300	38	T+8	L-8	L+18	17
P300	60	T+8	L-8	L+18	17
P300	76	T+8	L-8	L+18	17
P300	89	T+8	L-8	L+18	17
P300	102	T+8	L-8	L+18	17
Type of key (CH) available: CH 12 - 13 - 14 -15 - 30					

Heavy duty

Туре	Diameter	L	т	А	СН
P400	60	T+8	L-8	L+18	17
P400	76	T+8	L-8	L+18	17
P400	89	T+8	L-8	L+18	17
P400	102	T+8	L-8	L+18	17
P400	108	T+8	L-8	L+18	17
P400	133	T+8	L-8	L+18	17
Type of key (CH) available: CH 12 - 13 - 14 -15 - 30					

Super-heavy duty

Туре	Diameter	L	т	А	СН	
P500	89	T+8	L-8	L+24	17 - 18	
P500	102	T+8	L-8	L+24	17 - 18	
P500	108	T+8	L-8	L+24	17 - 18	
P500	133	T+8	L-8	L+24	17 - 18	
P500	159	T+8	L-8	L+24	17 - 18	
Type of key (CH) available: CH 12 - 13 - 14 -15 - 30						

Extra heavy duty

Туре	Diameter	L	т	А	СН	
P600	89	T+8	L-8	L+24	22	
P600	102	T+8	L-8	L+24	22	
P600	108	T+8	L-8	L+24	22	
P600	133	T+8	L-8	L+24	22	
P600	159	T+8	L-8	L+24	22	
Type of key (CH) available: CH 12 - 13 - 14 -15 - 30						

IDLER ROLLERS WITH IMPACT RINGS

Impact rollers are composed of a base steel roller upon which a series of impact-resistant rubbers rings are mounted. These rollers are used to mitigate the impact of material on the conveyor belt and avoid damage to it.

Туре	Diameter	x	L	т	А	w	СН
IMP60/89	60	89	T+8	L-8	L+18	30	14 - 17
IMP60/102	60	102	T+8	L-8	L+18	30	14 - 17
IMP60/108	60	108	T+8	L-8	L+18	30	14 - 17
IMP89/133	89	133	T+8	L-8	L+18	30	14 - 17
IMP89/159	89	159	T+8	L-8	L+18	30	14-17-18-22
IMP89/133	89	133	T+8	L-8	L+18	30	17-18-22
Type of key (CH) available: CH 12 - 13 - 14 -15 - 30							

CH

IDLER ROLLERS WITH SPACER RINGS

Rollers with spacer rings are composed of a base steel roller upon which a series of impact-resistant "spacers" rubbers rings are mounted.

These rollers are used in the presence of sticky material to prevent the formation of residues build-up which contrasts smooth belt operation and can cause damage to the belt.



Туре	Diameter	x	L	т	А	w	СН
DIST60/108	60	108	T+8	L-8	L+18	22	17
DIST60/133	60	133	T+8	L-8	L+18	30	17
DIST89/133	60	133	T+8	L-8	L+18	30	17
DIST60/108	60	108	T+8	L-8	L+18	22	14 - 17
DIST60/133	60	133	T+8	L-8	L+18	30	14 - 17
DIST89/133	89	133	T+8	L-8	L+18	30	14 - 17
DIST89/133	89	133	T+8	L-8	L+24	30	17 - 18
DIST89/133	89	133	T+8	L-8	L+24	30	22

Roller - rubber rings combinations according to belt size											
Belt width	400	450	500	600	650	700	800	900	1000	1200	1400
L	508	558	608	708	758	808	958	1058	1158	1408	1608
Rubber rings	ļ	5	6		-	7		9	10	11	

IRON SPIRAL IDLER ROLLERS

The rolls with metal spirals are build by welding n.2 steel spiral ribs around a steel roll core.

These rolls serve the purpose of discharging the material on both sides of the belt.





Туре	Diameter	L	т	А	СН	х
SPIRALE60/76	60	T+8	L-8	L+18	14 - 17	76
SPIRALE76/92	76	T+8	L-8	L+18	14 - 17	92
SPIRALE89/105	89	T+8	L-8	L+18	14 - 17	105
SPIRALE89/105	89	T+8	L-8	L+24	17 - 18 - 22	105

BELT GUIDE ROLLERS

Belt guide rollers are composed of a P300 base steel roller and are used to reduce the swaying of the conveyor belt and maintain a correct working asset.





Туре	т	A	D
GUIDA80	80	125	60
GUIDA100	100	145	60
GUIDA120	120	165	60
GUIDA150	150	195	60

TWO-ROLLER CANTILEVER ASSEMBLY

The cantilever assembly is made up of a pair of light or mediumheavy rolls, according to customer's needs.

The rolls are sealed at one end and are assembled on a single support to guarantee a stronger structural stability and allow the use of flexible conveyor belts.



Туре	н	А	A1	Diameter	т	Belt
SBALZO155	155	430	390	60	190	300
SBALZO173	173	520	480	60	240	400
SBALZO183	183	586	550	60	275	450
SBALZO191	191	630	595	60	300	500
SBALZO215	215	730	695	60	350	600
SBALZO165	165	440	385	76	190	300
SBALZO180	180	530	480	76	240	400
SBALZO195	195	580	545	76	275	450
SBALZO200	200	684	593	76	300	500
SBALZO217	217	744	690	76	350	600
SBALZO190	190	526	475	89	240	400
SBALZO203	203	590	540	89	275	450
SBALZO208	208	640	590	89	300	500
SBALZO223	223	736	685	89	350	600

GARLAND

These are installed on the upper side of the belt. They are enbloc units, made of the same width as the belt. Their high elasticity gives them the capacity to absorb large impacts.



NOTES





ADDRESSES:

VERONA

37139 VERONA, ITALY Z.A.I. 2 Loc. Bassona Via della Metallurgia, 5 Tel. +39.045.8510844 Fax +39.045.8510871 Mail: info@barbierispa.com

VICENZA

36035 MARANO VICENTINO (VI), ITALY Via Progresso, 50 Tel. +39.0445.623331 Fax. +39.0445.560088 Mail: info@barbierinastri.it





www.barbierispa.com

VERONA - ITALIA Tel: +39.045.8510844 Fax: +39.045.8510871 info@barbierispa.com

MARANO VICENTINO (VI) - ITALIA

Tel: +39.0445.623331 Fax: +39.0445.560088 info@barbierinastri.it

