

FIRST EDITION



ASAS
TECHNOLOGIES COMPANY



PRODUCTS CATALOGUE



ASAS TECHNOLOGIES COMPANY

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Rubber Lagging



Used as Conveyor Pulley lagging, chute, hopper and pipe lining.

Features:

- CN bonding layer deliver fast bonding
- CN bonding layer can be bonded directly without roughing
- Excellent bonding, no de bonding
- Good wear resistance, longer service life

Technical Specifications

Rubber Typical Values

Rubber Typical Values	Value
Tensile Strength MPa	20
Elongation at Break	600%
Hardness Shore A	63±5
Abrasion Loss mm ³	110
Temperature	-40°C TO 80°C
Peel Strength MPa	13



Description

Size

Rubber Lagging	8 x 2000 x 10000 mm
Rubber Lagging	10 x 2000 x 10000 mm
Rubber Lagging	12 x 2000 x 10000 mm
Rubber Lagging	15 x 2000 x 10000 mm
Rubber Lagging	20 x 2000 x 10000 mm



Diamond Strip Rubber Lagging



Grooved rubber lagging used for drive pulleys of low to medium loaded conveyor belt, reduce slippage between belt and pulley, improve and stabilize coefficient of friction, prevent the pulley against wear and corrosion, strong adhesive system with CN bonding layer

Main Features:

- 1.CN bonding layer
- 2.Easy to install
- 3.Minimum wastage
- 4.Increased friction coefficient between the drum and belt
- 5.Shorter lead times
- 6.High wear resistant

Technical Specifications

Polymer: NR/SBR

Hardness:65±5 SHORE A

Tensile strength: 12-18mpa

Abrasion: 90mm³



Specifications

Thickness	Width	Length
10 mm	200 mm/250 mm/500 m	2m-30m
12 mm	200 mm/250 mm/500 m	2m-30m
15 mm	200 mm/250 mm/500 m	2m-30m



Segmented Shell Rubber Lagging For Buck Elevator



Segmented Shell lagging is easy to install on site on Bucket Elevator . Reducing down time and productivity. Segmented shell diamond rubber lagging have following features:

1. Enhanced friction: The diamond design can increase friction, improve the grip of materials and reduce sliding.
2. High-quality rubber: High-quality rubber materials can significantly improve the wear resistance of the roller and extend its service life; good elasticity and chemical resistance, suitable for high-load transportation and harsh environments.



Technical Specifications

Thickness	Diameter
15,18 mm	≥ 300mm



Slide Rubber Lagging

Slide lagging is easy to install where spaces are confined or not easy to remove pulley drum from the site. It is quick and reliable

Thickness	Diameter
15,18 mm	≥ 300mm



Technical Specifications

Material:	SBR+NR compound
Tensile Strength:	11.4 MPA
Hardness:	Shore75±5A
Elongation at break:	410%
Abrasion Loss:	<110mm3



Slide Ceramic Rubber Lagging

Al2O3	92%
Volume Density	3.65~4.5g/cm3
Tensile Strength:	20 MPA
Compressive Strength	200 MPA
Hardness:	9 Mohs
Elongation at break:	410%
Abrasion Loss:	120mm3
Water Absorption	<0.02%



Slide Lagging Retainer

Material	Thickness
Galvanized Steel	2 mm

Ceramic Lagging



It is suitable for Conveyor pulley under wet and Muddy conditions

Features:

- Increased Friction Coefficient, reduce belt slippage
- CN bonding layer can be bonded directly without roughing
- Excellent bonding, no de bonding
- High Wear resistance alumina tiles, longer service life

Technical Specifications

Rubber Typical Values

Rubber Typical Values	Value
Tensile Strength MPa	20
Elongation at Break	600%
Hardness Shore A	63±5
Abrasion Loss mm3	110
Temperature	-40°C TO 80°C
Peel Strength MPa	13
Aluminium Oxide	95%
Specific Gravity g/cm3	3.7



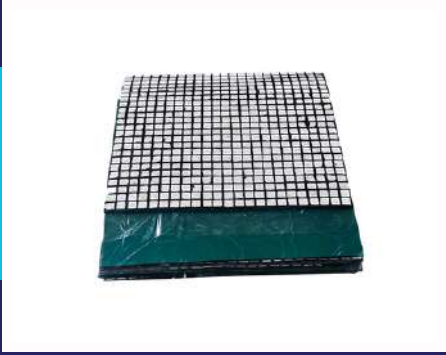
Description

Size

Ceramic Lagging	15 x 500 x 800 mm
Ceramic Lagging	15 x 500 x 1000 mm
Ceramic Lagging	15 x 500 x 1200 mm
Ceramic Lagging	15 x 500 x 1450 mm
Ceramic Lagging	15 x 500 x 1650 mm
Ceramic Lagging	15 x 500 x 1850 mm
Ceramic Lagging	15 x 500 x 2050 mm
Ceramic Lagging	15 x 500 x 2250 mm
Ceramic Lagging	15 x 500 x 10000 mm



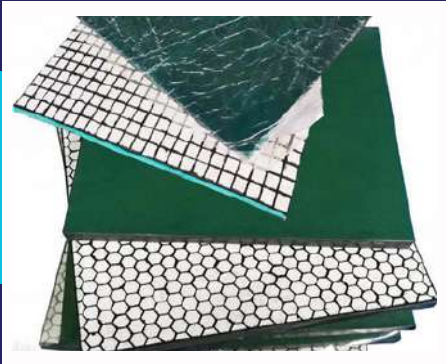
Ceramic Rubber Liner With CN Layer



The two-in-one composite wear-resistant ceramic lining plate is made by vulcanizing alumina wear-resistant ceramics under high temperature conditions and inlaying it into a steel tank filled with special rubber to form a wear-resistant ceramic composite lining plate.

Applications

It is widely used in wear protection of Silos, Hoppers, Chutes and other equipment in coal conveying, ash discharge systems, and material conveying and batching systems.



Technical Specifications

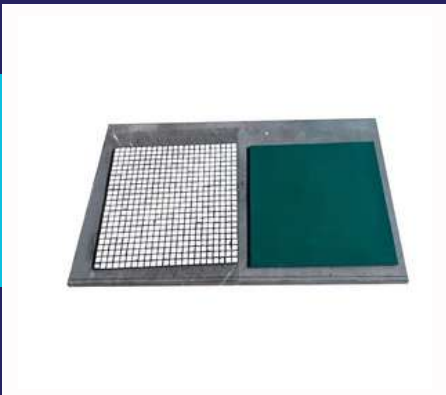
Description	Unit
Alumina(Al ₂ O ₃)	92%
Density	3.62 g/cm ³
Hardness	1000 HV30
Fracture Toughness	3.82 MP.a 1/2
Rubber	
Material	NR & SBR blend
Gravity	1.12 g/cm ³
Tensile Strength	21 MPa
Hardness	60±5 Shore A
Elongation	500%
Abrasion Loss	100 mm ³
Aging Coefficient (70C°x 48h)	8.7%
Temperature Range	-40°C TO 80°C

Steel Backing Plate

Mild Steel or Stainless Steel on request

Adhesion between rubber and ceramic: min. 21kN/m

Adhesion between rubber and steel backing plate: min. 21kN/m



Description	Size
Ceramic Liner	500x 500x 14 mm



Transfer chute wear ceramic rubber liner plates

Through vulcanization / Bonding the alumina ceramic plates or ceramic tiles are installed into the special steel plate to form a wear resistant steel plate. The wear resistant plate will be fixed on the abrasive surface of equipment by high strength adhesive or welding, the equipment is more resistant to time and wear and will be used longer.

They are

- Good Abrasion Resistance
- Good Thermal Stability and Excellent Corrosion Resistance
- Light Weight
- Easy and fast to fix on site

Technical Specifications

Chemical Composition And Physical Properties of Alumina Ceramics		
Al ₂ O ₃	≥ 92%	≥ 95%
Volume Density	≥ 3.6g/cm ³	≥ 3.7g/cm ³
Rockwell Hardness	HRA ≥ 85	
Ceramic Abrasion Test	0.0005g (P=74N, N=800rpm, t=30min, Quartsa Sand)	
Physical Properties of Rubber		
Pull-apart Strength	14 MPa	
Pull-apart Prolongation	250%	
Shore Hardness	55 - 65	
Permanent Deform	30%	

Sizes	Length/Width	Ceramic Thickness	Rubber Thickness	Steel Thickness
250×250×15mm	250/250mm	5mm	5mm	5mm
300×300×16mm	300/300mm	8mm	4mm	4mm
500×500×25mm	500/500mm	15mm	4mm	6mm
500×600×30mm	500/600mm	20mm	6mm	4mm
600×300×35mm	600/300mm	25mm	6mm	4mm
400×500×38mm	400/500mm	25mm	7mm	6mm
300×400×50mm	300/400mm	30mm	12mm	8mm
300×300×63mm	300/300mm	50mm	7mm	6mm
300×400mm×130mm	300/400mm	100mm	18mm	12mm

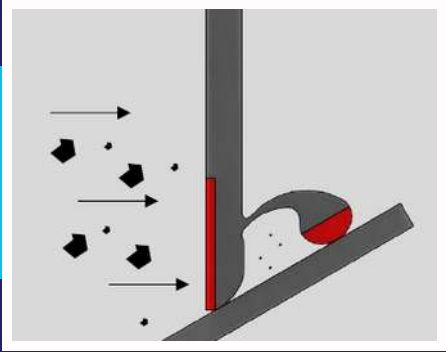
Ceramic shapes are Rectangle, Hexagon, Round

Material Spillage & Dust Control Solution

Twin Skirt

Technical Specifications

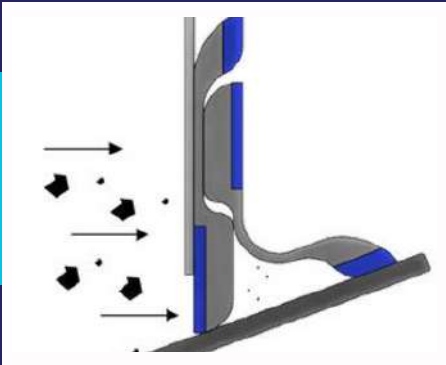
Size	H: 110 mm, Thickness: 16 mm, Roll: 20 m
Temperature Range	-25°C TO 70°C
Rubber	NBR/SBR Compound
Elongation	450%-600%
Tensile Strength	500-3000 PSI
Abrasion Resistance	130 mm ³
Hardness	70±5 Shore A
Polyurethane	Polyester Compound
Laceration Resistance	115 kgf/cm
Tensile Strength	285 Kg/cm ³
Abrasion Resistance	35 mg
Hardness	80±5 Shore A



Gemini Twin Skirt

Technical Specifications

Size	H: 170 mm, Thickness: 25 mm, Roll: 20 m
Temperature Range	-25°C TO 70°C
Rubber	NBR/SBR Compound
Elongation	450%-600%
Tensile Strength	500-3000 PSI
Abrasion Resistance	130 mm ³
Hardness	70±5 Shore A
Polyurethane	Polyester Compound
Laceration Resistance	115 kgf/cm
Tensile Strength	285 Kg/cm ³
Abrasion Resistance	35 mg
Hardness	80±5 Shore A



Seal Bloc

Technical Specifications

Dimensions :	Length 600,1000,1200 mm
Surface treatment :	Galvanized steel support
Temperature :	-10° / + 50° C
Scale of pH :	4 to 10 for rubber 3 to 11 for polyurethane
Maximum speed :	7 m/s
Do not expose to :	Projecting staple out of the belt Oils, grease or hydro carbide for rubber Hot water steam for polyurethane Corrosive atmosphere : Stainless steel support possible



Material Spillage & Dust Control Solution

Glide Bar

Technical Specifications

Quality of the bars : PUR 20mm3

PE-UHMW 100

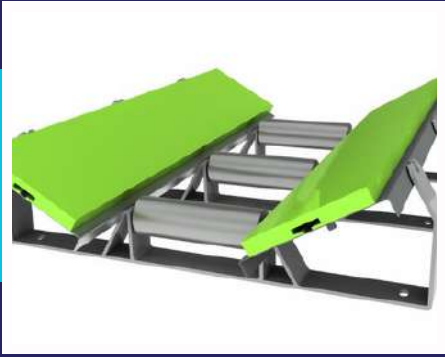
Surface treatment : Kit : Zinc-plated steel or painted
Cradle : Painted steel

Temperature : -15° / + 50° C

Scale of pH : 4 to 10

Maximum speed : 5 m/s

Do not expose : Impact and fastener on tungsten carbide
Corrosive atmosphere : All or part stainless steel possible



ATLAS Impact Bed

Technical Specifications

Possible dimensions : B.W 500 to 3000

Impact bars: W:100 L:1200 H:50 or 75 mm

Surface treatment : Polyurethane paint (galvanized in option)

Temperature : -20° / + 50° C

Scale of pH : 4 to 10

Maximum speed : 7 m/s

Corrosive atmosphere : Stainless steel possible on all or part



Belt mm	500	650	800	1000	1200	1400	1600	1800	200
Number of bars	5	6	7	9	11	13	14	16	18

BigBen™ 3 Clamps

Perfect sealing in record time The clamping skirt BigBen 3 enables :

- The use of simple non-pierced skirts for an economical solution.
- The readjusting of the sealing, in a short period of time, by only one person without tools, of hundred of meters of conveyor for a ultimate cleaning.

Characteristics :

- Galvanized steel
- Easy installation
- Quick dismounting
- For skirts from 6 to 30 mm thick
- Can be adjusted while in operation



Belt Cleaners

Primary Racloflex Z2

Technical Specifications

Blade Quality: Tungsten carbide : 93 HRA 3x15mm
 Or- Tungsten carbide : 93 HRA 5x10mm
 Or- Impact carbide : 66 HRA 5x10mm
 Or- Wear resistant polyurethane : 25mm² svt

Working position: Scraping angle = 90° at tangent
 Surface treatment: All zinc-plated steel pieces + A2 grade Stainless bolts
 Maximum speed: Z² 1 way = 2 m/s
 Z² -HD 1 way = 4 m/s



Belt, mm	400	500	650	800	1000	1200	1400	1600	1800	2000
Scraping width, mm	378	504	630	756	882	1134	1260	1512	1638	1890
Number of blades	3	4	5	6	7	9	10	12	13	15

Secondary Racloflex SW

Technical Specifications

Blade Quality: Tungsten carbide : 93 HRA 3x15mm
 Or- Tungsten carbide : 93 HRA 5x10mm
 Or- Impact carbide : 66 HRA 5x10mm
 Or- Wear resistant polyurethane : 25mm² svt

Working position: Scraping angle = 90° at tangent
 Surface treatment: All zinc-plated steel pieces + A2 SS
 Maximum speed: SW 1 way = 3 m/s
 SW -HD 1 way = 5 m/s



Belt, mm	400	500	650	800	1000	1200	1400	1600	1800	2000	2200
Scraping width SW, mm	400	500	630	750	950	1150	1300				
Tungsten width SW, mm	315	395	520	640	800	960	1120				
Scraping width SW-HD, mm					950	1150	1300	1500	1700	1900	2100
Tungsten width SW-HD, mm					840	1040	1200	1400	1600	1800	2000

Secondary Racloflex Metal

Due to the natural slope of the substance carried, the cleaning is intense in the center of the belt and causes a faster wear of the scraper.

Technical Specifications

Blade Quality: Tungsten carbide : 93 HRA 3x15mm
 Or- Tungsten carbide : 93 HRA 5x10mm

Working position: Scraping angle = 90° at tangent
 Surface treatment: All parts electro-plated or painted + A2 stainless steel bolts
 Maximum speed: metal = 3 m/s



Secondary scraper / with segmented mono-blade for belt from 300 to 1200 mm

Belt, mm	300	400	500	650	800	1001	1002	1200
Scraping width, mm	252	378	504	630	756	882	1008	1134

For any request of a scraper to suit greater than 1200 mm belt, the scraper will be manufactured to order.

Belt Cleaners

Secondary RacloFlex™ N



Technical Specifications

Blade Quality: Tungsten carbide : 93 HRA 3x15mm

Or- Tungsten carbide : 93 HRA 5x10mm

Or- Impact carbide : 66 HRA 5x10mm

Or- Ceramic : Alumine frittée Al₂O₃92% 10x15mm

Or- Stainless steel (316L/304L at choice)

Working position: Scraping angle = 90° at tangent Surface treatment: All zinc-plated steel pieces + A2 grade Stainless bolts

Maximum speed: N 1 way = 3 m/s 2 ways = 2,5 m/s
N -HD 1 way = 5 m/s 2 ways = 3,5 m/s

Belt, mm	400	500	650	800	1001	1002	1200	1401	1402	1600	1801	1802	2001	2002
Scraping width, mm	378	504	630	756	882	1008	1134	1260	1386	1512	1638	1764	1890	2016
Number of blades	3	4	5	6	7	8	9	10	11	12	13	14	15	16



Primary RacloFlex™ NT

RacloFlex NT is comprised of blades each supported by a shock absorber block which can be adjusted independently to shape to the belt and compensate the faster wear of certain blades.

Technical Specifications

Blade Quality: Tungsten carbide : 93 HRA 3x15mm

Or- Tungsten carbide : 93 HRA 5x10mm

Or- Impact carbide : 66 HRA 5x10mm

Or- Ceramic : Alumine frittée Al₂O₃92% 10x15mm

Or- Stainless steel (316L/304L at choice)

Working position: Scraping angle = 90° at tangent Surface treatment: All electro-galvanized steel pieces + SS A2 bolts

Maximum speed: NT 1 way = 2 m/s
NT -HD 4 way m/s

Belt, mm	400	500	650	800	1000	1200	1400	1600	1800	2000
Scraping width, mm	378	504	630	756	882	1134	1260	1512	1638	1890
Number of blades	3	4	5	6	7	9	10	12	13	15



Internal RacloFlex™ VP

The RacloFlex VP blade is made of high resistance polyurethane modules* which are ajustable in height, reversible at 180° (double sided) and replacable independently for a reasonable price.

Technical Specifications

Quality of blade(s) : Wear resistant polyurethane : 25mm3 vvt

Working position : Oriented blade «pilot» behind support axle

Surface treatment : All galvanized metal piece + SS hardware

Temperature : -15° / + 50° C

Scale of pH : 3 to 11

Maximum speed : VP = 3 m/s 1 way
VP-HD = 5m/s 1 way

Belt, mm	500	650	800	1000	1200	1400	1600	1800	2000	2200
Scraping width VP, mm	550	685	950	1070	1320	1455				
Scraping width VP-HD, mm					1320	1455	1670	1840	2055	2230

Belt Cleaners

Internal RacloFlex™ DP

The sliding support allows a movement up and down of the scraper, ensuring permanent contact with the belt regardless of the level of wear of the blade and allows it to rise-up in dangerous situation

Technical Specifications

Quality of blade(s) : Wear resistant polyurethane : 25mm3
 Working position : Blade oriented at 35° to the structure / 90° to the belt
 Surface treatment : All electro-galvanised metal parts + stainless bolts
 Temperature : -15° / + 50° C
 Scale of pH : 3 to 11
 Maximum speed : DP = 3 m/s Works on two directions
 DP-HD = 5 m/s Works on two directions

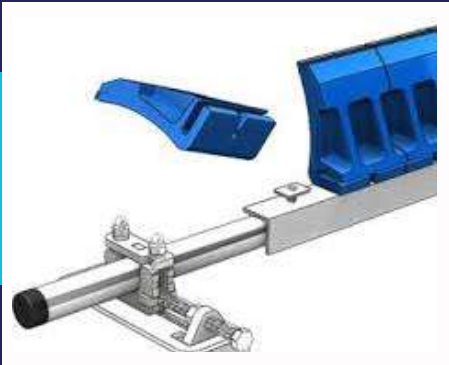


scraper, mm	500	650	800	1000	1200	1400	1600	1800	2000	2200
Scraping width DP, mm	595	715	980	1105	1365	1490				
Scraping width DP-HD, mm							1755	1875	2140	2260

Scraper Blades

Spare Blades are provided for all below mention scrapers

- Racloflex Z2
- Racloflex SW
- Racloflex Metal
- Racloflex N
- Racloflex NT
- Racloflex DP
- Racloflex VP



Brush Cleaner

The surface of the conveyor belt can be cleaned under more severe working conditions.

Technical Specifications

Belt width/mm	Length of brush/mm	Motor power	Speed-rate
500	500	0.75KW	1/10
600	600		
800	800		
1000	1000	1.1KW	1/10
1200	1200		
1400	1400		
1600	1600	2.2KW	1/10
1800	1800		
2000	2000		
2200	2200	3.0KW	1/10



Belt Splicing

SUPER-SCREW®* Original

This permanent endless system has proved its worth all over the world for its simple and quick installation in any situation

Technical Specifications

Super Screw	Belt	Minimum Pulley Diameter mm
SS 85	EP 850	250
SS 100	EP 1000	300
SS 105	EP 1050	330
SS 125	EP 1250	350
SS 127	EP 1270	400
SS 140	EP 1400	350
SS 145	EP 1450	400
SS 160	EP 1600	350
SS 165	EP 1650	400
SS 180	EP 1800	400
SS 185	EP 1850	500

Available in Abrasion (50 mm³) | Heat | Fire | Oil | Heat retardant
Packaging : • 85 - 105 : In roll of 3, 5, 10 and 25 m.

• 125 - 250 : In roll of 3, 5, 7,5 and 15 m

SUPER-SCREW®* Evolution

This permanent endless system has proved its worth all over the world for its simple and quick installation in any situation

Technical Specifications

Super Screw	Belt	Minimum Pulley Diameter mm
SS 35	EP 350	160
SS 50	EP 500	180
SS 63	EP 630	200
SS 80	EP 800	250

Available in Abrasion (50 mm³) | Heat | Fire | Oil | Heat retardant
Packaging : • In roll of 3 or 5**, 10 and 25 m. Includes: Installation tools / Customization* / Spacers / PZ bit

SUPER-SCREW®* Repair FIX'N GO®

repair and patch for textiles conveyor belts and steel cord belts.

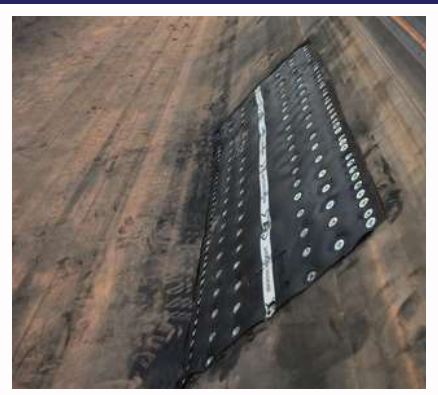
FIX'N GO® is an innovative and quick solution to repair rips or damages on conveyor belts. By repairing your belt with FIX'N GO®, you use a permanent solution with no need to replace it in the future.

Technical Detail

FIX'N GO® repair patch :

- used for longitudinal rips, belt edge snags, impacts, holes,
- even allows two belts to be spliced longitudinally,
- can be used for multi-ply and monopy belts up to 1250 N/mm,
- is available in 2 versions: galvanized steel or stainless steel
- Packs available in 2 and 20 m.

The MLT specific screws are self-drilling and self-tapping : the carcass threads are spread without being cut.



Belt Repairing

SUPER-SCREW®* Repair

For your rubber conveyor belts with steel cord or textile carcasses of high tension, SUPER-SCREW® flexible splice to screw can be also ideal as a repair patch (holes or tears in your belt). Self-drilling and self-tapping screws pinch the cables or go through them through the cable, providing new strength to the belt's carcass

Technical Detail

Screws allow the SUPER-SCREW® splice to be installed regardless of :

- the configuration of the conveyor,
- the conditions of access,
- weather conditions,
- temperature (from -80°C (-112°F) to 200°C (392°F) peak).

EP 350 EP 630 EP 850 EP 1000 EP 1050 EP 1250 EP 1270 EP 1800 EP 1850 EP 2000 EP 2050 EP 2500



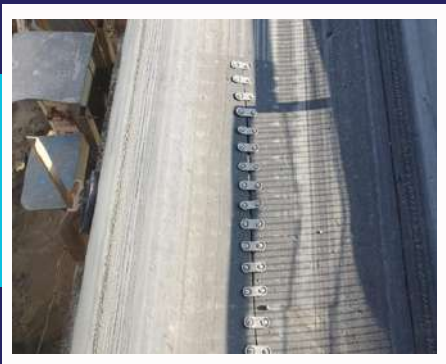
Bolt Plate Fastener Repairing

6 points and multipoints fasteners MLT allows to repair conveyor belts easily. They are ideal for belt passing.

Characteristics :

- Carbon steel or wear resistant carbon steel fastener
- Packaging: Box of 10 or 25 fasteners (depending the type)
- Installation Method : Belt drilling template, bolt tightening tool and bolt breaker

Bolt plate fastener n°	1	140	190	11/2	2	21/2
Belt thickness, mm	5-11	5-11	8-14	11-17	14-21	19-25



Multi Points Fastener Repairing

Bolt plate fasteners allow conveyor belts to be spliced quickly and easily. Perfect for repair rips and splice conveyor belts with high operating tension

Characteristics :

- Carbon steel or wear resistant carbon steel fastener
- Packaging: Box of 10 or 25 fasteners (depending the type)
- Installation Method : Belt drilling template, bolt tightening tool and bolt breaker

Packing

Coated treated galvanised steel

- Fine and very sharp point fastener
- Available in boxes of 100 fasteners
- Packed in boxes of 25-30 fasteners with 6 or 14 thicker, blunter points
- Installation tool : hammer

6 points n°	1	2	3	4	5	6	7
Belt thickness, mm	4-6	6-8	8-10	10-13	13-16	16-19	19-22

Multipoints n°	110	112	113	114	115	117
Belt thickness, mm	3-4	6-8	8-9,5	9,5-11	11-14,5	14,5-17

ASAS Technologies Company



Idler Rollers

Carrying & Return Rollers

Rollers both carrying and return are made as per : ISO,UNI, DIN, AFNOR, FEM, BS, JIS and CEMA Standards.

Technical Detail

Roller Dia: 63, 89, 108, 133, 159, 194 mm

Pipe Length: Customized

Bearing: Single & Double Row Deep Groove Ball Bearing 2RZ&2Z with C3 clearance.

Seals: Grease retaining inner seal with Multi-stage Labyrinth and Retention Cap with Outboard Rubbing Flinger Seal. Special design and particular labyrinthine seal style prevent the corrosion by impurity, water and air etc



Impact Rollers

These are shock absorbing roller with additional rubber rings on steel roller which are used at carrying of belt at the belt load point area.

Technical Detail

Roller Dia: 63, 89, 108, 133 mm

Pipe Length: Customized

Bearing: Single & Double Row Deep Groove Ball Bearing 2RZ&2Z with C3 clearance.

Seals: Grease retaining inner seal with Multi-stage Labyrinth and Retention Cap with Outboard Rubbing Flinger Seal. Special design and particular labyrinthine seal style prevent the corrosion by impurity, water and air etc



Rubber Disc Return Rollers

Rollers with spaced rings are used to sustain and support the belt during its return section, where the conveyed material tends to stick to the belt or wherever there is a wear problem or tracking problem of the belt itself.

Technical Detail

Roller Dia: 108, 133, 159, 180 mm

Pipe Length: Customized

Bearing: Single & Double Row Deep Groove Ball Bearing 2RZ&2Z with C3 clearance.

Seals: Grease retaining inner seal with Multi-stage Labyrinth and Retention Cap with Outboard Rubbing Flinger Seal. Special design and particular labyrinthine seal style prevent the corrosion by impurity, water and air etc



Idler Rollers

Star Tracker for Belt Alignment

An ingenious system to keep your belts tracked. The StarTracker is the first self-tracker in the world. It is available in several models. The fully adjustable standard model is known as StarTracker™. Compatible with SUPER-SCREW®, ISC™, and FIX'N GO®

Technical Detail

Belt, mm	500	650	800	1000	1200	1400	1600	1800
Flat return side	Size 0	Size 1 Long mode	Size 2 Long mode	Size 3 Long mode	Size 4 Long mode	Size 5 Long mode	Size 6 Long mode	Size 7R Long mode
Trough superior part	Size 1 Trough mode	Size 2 Trough mode	Size 3 Trough mode	Size 4 Trough mode	Size 5 Trough mode	Size 6R Trough mode	Size 7R Trough mode	



Self Aligning Roller

Self Aligning Rollers are used in carrying and return side of belt to align the belt. These type of self aligning rollers also called friction rollers.

Technical Detail

Roller Dia: 89,108, 133,159 ,180 mm

Pipe Length: Customized

Bearing: Single & Double Row Deep Groove Ball Bearing 2RZ&2Z with C3 clearance.

Seals: Grease retaining inner seal with Multi-stage Labyrinth and Retention Cap with Outboard Rubbing Flinger Seal. Special design and particular labyrinthine seal style prevent the corrosion by impurity, water and air etc.

Spiral Return Rollers

Return rollers with helical rubber rings for self cleaning. Spiral rollers with steel springs are also option.

Technical Detail

Roller Dia: 108, 133, 180 mm

Pipe Length: Customized

Bearing: Single & Double Row Deep Groove Ball Bearing 2RZ&2Z with C3 clearance.

Seals: Grease retaining inner seal with Multi-stage Labyrinth and Retention Cap with Outboard Rubbing Flinger Seal. Special design and particular labyrinthine seal style prevent the corrosion by impurity, water and air etc.



Idler Rollers

Composite Rollers

Composite Rollers is made with composite except the shaft. They have longer life in abrasives environment and no adhesion of carry back. Mining, Fertilizer, Chemical industry have better application of composite rollers.

Technical Detail

Roller face width: 160–1000mm

Roller Diameter:

Ø76/89/102/108/114/127/133

140/152/159/178/196/219mm

CEMA: 4"/5"/6"/7"

Standard GB,JIS,CEMA ,SABS



Vertical Guide Rollers

For various reasons, the conveyor belt may at times, tend to drift laterally. In these cases it is possible to utilise vertical rollers with cantilevered spindles, These are generally known as belt guide rollers

Characteristics :

Roller Dia: 63, 89, 108, 133 mm

Pipe Length: Customized

Bearing: Single & Double Row Deep Groove Ball Bearing 2RZ&2Z with C3 clearance.

Seals: Grease retaining inner seal with Multi-stage Labyrinth and Retention Cap with Outboard Rubbing Flinger Seal. Special design and particular labyrinthine seal style prevent the corrosion by impurity, water and air etc



Self Aligning Roller Frames

The self-centralising troughing set is designed as a series of rollers arranged in a trough positioned onto the supporting transom which itself is fixed to a slewing ring.

Technical Detail :

Belt Width: 500, 650, 800, 1000, 1200, 1400, 1600, 1800, 2000 mm
Both carrying and return frames can be manufactured as per drawings.

Note: Carrying rollers and guide rollers have to be ordered separately.



Idler Rollers

Carrying Idler Roller Frames

Troughing set or Idler frames for carrying Idler Rollers are manufactured as per drawing and standard.

Technical Detail

- Two Roller Frames
- Three Roller Frames
- Material of construction. Carbon Steel
- Type of finish: Sand blasting, Hot dip galvanized, paint with anti rust



Return Idler Roller Frames

Troughing set or Idler frames for Return Idler Rollers are manufactured as per drawing and standard.

Technical Detail

- Return roller frames for Single and double rollers
- Material of construction. Carbon Steel
- Type of finish: Sand blasting, Hot dip galvanized, paint with anti rust



Rollers Rubber Discs

Rubber Rings spares are supplied for Impact Rollers as well for Rubber disc roller

Technical Detail

- Dia: 89, 108, 133, 159 mm
- Rubber Material: SBR/NBR/FRAS
- Hardness: 60±5 Shore A
-



Pulley Drum



Pulley drums are important part of the conveyor to drive the belt. Drive pulley, Driven pulley, take up pulley, bend pulley and snub pulley are supplied as per CEMA standard.

Technical Detail

Pulley Dia: 150 mm- 2500 mm

Face Length: 300 mm- 3000 mm

Shaft Dia: upto 585 mm

Lagging: Diamond/Plain/Ceramic/Chevron/Circumferential/
Replaceable slide lag

Bearing: SKF, FAG, NSK



Squirrel cage pulleys

For particular applications, where very wet materials are conveyed and the belt inner surface gets very dirty.



Wing pulleys

Pulleys can be manufactured as per customer requirement.

Vulcanizing Press

Vulcanizing Machine

Our vulcanizing water-bag presses are constructed with heating plates made of light, high quality alloys. Shielding heating resistors are reachable and located in the heating plate, allowing the following :

- Resistance to higher temperatures, fast and standardized
- Viability of heating data

The two unit sizes of 350 mm (13 25/32 inch) and 525 mm (20 43/64 inch) allow for multiple combinations (depending on the splice length), giving you a completely customized solution. The MLT water-bag vulcanizing presses are fully modular.



Spot Repair™ repair press

Our repair presses with lugs are made in France from high-strength aluminum, for belt widths up to 2000 mm. This technology provides excellent robustness, while its low weight makes it easy to use.

Technical Detail

Lug

Belt width, mm	350	400	450	500	550	600	700	800	900
Length of lug, mm	150	200	250	300	350	400	450	500	550
Weight, kg	11	16	23	31	40	50	63	79	98

Vulcanizing presses and tools for PVC-PU light duty belt

The MLT ACI 1200 air-cooled press is designed for the splicing of thermoplastic belts by pressure and thermo-fusion followed by air cooling. This exclusive design of the method of air circulation inside the heating plates has the great advantage of making all the cycles identical. This provides uniform cooling and therefore longer splice life.

Technical Detail

This exclusive design of the method of air circulation inside the heating plates has the great advantage of making all the cycles identical. This press can perform up to 12 splices in less than 20 minutes each (depending on belt thickness and material) without downtime and with constant parameters. This provides uniform cooling and therefore longer splice life. All the components necessary for the proper operation of this press are provided.



Vulcanizing Tools



Double Acting Roller

Model	Belt Width	Weight
AS2011	1200 mm	9.5 Kg
AS2012	1600 mm	11 Kg
AS2013	2000 mm	13 Kg



Vice Grip

Model	Length	Weight	Tolerable weight
AS3011	200 mm	2.9 Kg	1-2 Ton
AS3012	250 mm	3.7 Kg	2-3 Ton
AS3013	320 mm	5.9 Kg	3-4 Ton



Pincer

Model	Length	Weight	Maximum Opening
AS4011	155 mm	220 gm	19 mm
AS4012	180 mm	250 gm	20 mm
AS4013	205 mm	360 gm	27 mm
AS4014	255 mm	500 gm	30 mm
AS4015	295 mm	820 gm	35 mm



F Clamp

Model	Size	Length	Weight	Clamping Force
AS5011	200 x 120 mm	304 mm	2.30 kg	≥ 1250 Kg
AS5012	250 x 120 mm	355 mm	2.45 kg	≥ 1250 Kg



Flat Roller

Model	Total Length	Roller Width	Weight
AS6011	195 mm	4mm	220 gm
AS6012	195 mm	12 mm	250 gm
AS6013	195 mm	45 mm	650 gm

Vulcanizing Tools



Porcupine/Needle Roller

Model	Total Length	Roller Width	Weight
AS7011	195 mm	27 mm	550 gm
AS7012	195 mm	46 mm	800 gm



Hand Rasp

Model	Length	Weight
AS8011	340 mm	900 gm
AS8012	9*28*98 mm	Spares



Adjustable Ply Knife

Model	Length	Weight
AS9011	158 mm	95 gm
AS9012	30*30 mm	Spares



Ply Knife

Model	Length	Weight
AS1111	158 mm	95 gm



Off Set Knife

Model	Length	Weight
AS1211	158 mm	95 gm

Vulcanizing Tools



Ply Lifter

Model	Length	Weight
AS1311	300 mm	160 gm



Hawk Bill Notch Ply Knife

Model	Length	Weight
AS1411	155 mm	50 gm



Knife Don Carlos

Model	Length	Weight
AS1511	200 mm	113 gm
AS1612	170*25 mm	Spares



Metal Multi Function Knife

Model	Length	Weight
AS1711	170 mm	132 gm



Rubber Cutting Knife

Model	Length	Weight
AS1811	146 mm	186 gm
AS1812	200 mm	235 gm

Vulcanizing Tools



Rubber Mallet

Model	Length	Weight
AS1911	340 mm	900 gm



Roll Tape Measure

Model	Length
AS1001	5 m/7.5 m /10 m



Glue Brush

Model	Diameter	Total Length	Weight
AS1002	40 mm	225 mm	54 gm



Hardness Test

Model	Size	Weight
AS1003	80*53*25 mm	145 gm



Marking Chalk Line

Model	Length	Weight
AS1004	158 mm	158 gm

Vulcanizing Tools



Buffing Disc

Model	Dia	Thickness	Hole ID	Grit
ASI005	100 mm	2 mm	16 mm	K18/K23/K36
ASI006	125 mm	2 mm	22 mm	K18/K23/K36
ASI007	150 mm	2 mm	22 mm	K18/K23/K36
ASI008	175 mm	2 mm	22 mm	K18/K23/K36



Buffing Disc with Holes

Model	Dia	Thickness	Hole ID	Grit
ASI009	175 mm	2 mm	22 mm	K14
ASI010	175 mm	2 mm	22 mm	K18
ASI011	175 mm	2 mm	22 mm	K23



Buffing Bowl

Model	Dia	Height	Hole ID	Grit
ASI012	102 mm	38 mm	10 mm	K14
ASI013	76 mm	33 mm	10 mm	K16/K18/K23
ASI014	76 mm	33 mm	10 mm	K16/K18/K23
ASI015	50 mm	25 mm	10 mm	K16/K18/K23
ASI016	46 mm	20 mm	10 mm	K16/K18/K23
ASI017	36 mm	18 mm	10 mm	K16/K18/K23
ASI018	30 mm	15 mm	10 mm	K16/K18/K23



Buffing Roller

Model	Dia	Length	Grit
ASI019	6 mm	100 mm	K18/K23/K36
ASI020	6 mm	65 mm	K18/K23/K36



Buffing Cone

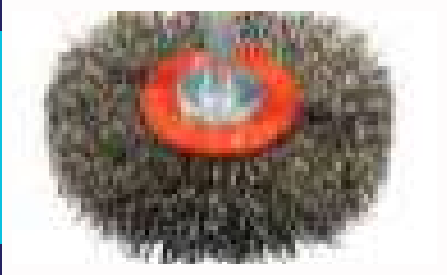
Model	Dia	Length	Grit
ASI021	19 mm	25 mm	K18/K23/K36
ASI022	19 mm	50 mm	K18/K23/K36
ASI023	25 mm	50 mm	K18/K23/K36

Vulcanizing Tools



Buffing Ball

Model	Dia	Grit
ASI024	22 mm	K18/K23/K36/K65
ASI025	25 mm	K18/K23/K36/K65



Buffing Brush

Model	Dia	Height	Shaft OD
ASI026	65 mm	10 mm	6 mm



Buffing Brush

Model	Dia	Height	Inner Hole Dia
ASI027	80 mm	30 mm	15 mm



Buffing Brush

Model	Dia	Height	Inner Hole Dia
ASI028	100 mm	16 mm	15 mm
ASI029	105 mm	25 mm	15 mm



Tooth Buffing Wheel

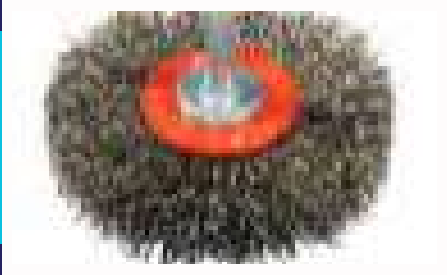
Model	Dia	Inner Hole Dia	Grit
ASI030	50 mm	19 mm	K18/K23/K36
ASI031	50 mm	13 mm	K18/K23/K36
ASI032	50 mm	10 mm	K18/K23/K36
ASI033	50 mm	7 mm	K18/K23/K36
ASI033	50 mm	5 mm	K18/K23/K36

Vulcanizing Tools



Buffing Ball

Model	Dia	Grit
ASI034	22 mm	K18/K23/K36/K65
ASI035	25 mm	K18/K23/K36/K65



Buffing Brush

Model	Dia	Height	Shaft OD
ASI036	65 mm	10 mm	6 mm



Buffing Brush

Model	Dia	Height	Inner Hole Dia
ASI037	80 mm	30 mm	15 mm



Buffing Brush

Model	Dia	Height	Inner Hole Dia
ASI038	100 mm	16 mm	15 mm
ASI039	105 mm	25 mm	15 mm



Tooth Buffing Wheel

Model	Dia	Inner Hole Dia	Grit
ASI040	50 mm	19 mm	K18/K23/K36
ASI041	50 mm	13 mm	K18/K23/K36
ASI042	50 mm	10 mm	K18/K23/K36
ASI043	50 mm	7 mm	K18/K23/K36
ASI044	50 mm	5 mm	K18/K23/K36

Conveyor Belts

ISC Belt

The ISC™ (Integrated Screw Connection) is an innovative lacing solution. It is the most unique on the conveyor belt fastener market. It makes a belt endless, by simply screwing its ends together without extra thickness. Installation in 20 minutes. ISC Belt is

- Abrasion Resistance
- Fire Resistant
- Heat Retardant
- Oil Resistant
- Anti Adherent



Fabric Conveyor Belts

ASAS Company is supplying following fabric conveyor belts

Technical Detail

We supply conveyor belt

- Abrasion Resistance
- Heat-resistant
- high-temperature resistant
- Burn resistant
- General flame-retardant type
- Static conducting type
- Acid and alkali resistant
- Oil resistant type
- Food type,

Belt type: EP 100, EP 150, EP 200. EP 300, EP 400, EP 500, EP 600

Belt type: NN 100, NN 150, NN 200. NN 300, NN 400, NN 500, NN 600



Sidewall Conveyor Belt

Sidewall Conveyor Belts are used with high angle transportation.

Technical Specifications

Base belt width(B)	Sidewall height(H)	Cleat height(H1)	Bottom width of sidewall(B1)	Cleat width(B2)	Empty width(B3)
300	40	35	25	180	35
	60	55	50	120	40
	80	75			
400	60	55	50	180	60
	80	75			
	100	90			
500	80	75	50	250	75
	100	90	50	350	100
	120	110			
650	160	140	75	300	120
	120	110	50	460	
	160	140	75	410	
200	180				
1000	160	140	75	550	150
	200	180			
	240	220			
1200	160	140	75	690	180
	200	180			
	240	220	100	640	
300	260				
1400	200	180	75	830	210
	240	220			
	300	260	100	780	
400	360				

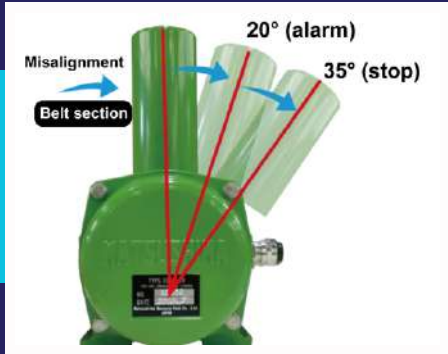
Belt Conveyor Protection Equipment

Belt Sway Switch

When the belt pushes the pulleys due to misalignment or slanting and tilts, a contact signal is sent to detect the misalignment or slanting of the conveyor by Sway switch.

Advantages

- 1.It is possible to avoid or minimize cargo spillage due to misalignment and sway of loading.
- 2.Since there is no spillage, the burden of cleaning work is reduced.
- 3.It can prevent belt lugs from hitting the conveyor frame and being damaged, or from causing fires due to frictional heat.

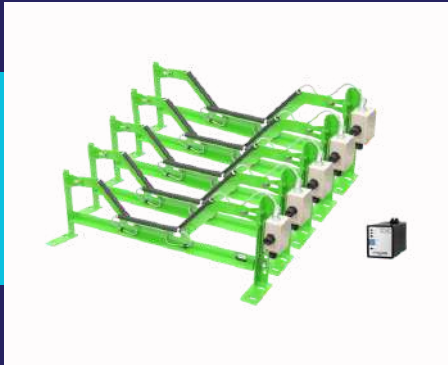


Belt Tear Detector

Belt Tear Detector is a sensor that detects vertical tearing of the belt that occurs under the transferring chute of the belt conveyor.

Advantages

- 1.By detecting belt damage at an early stage and stopping equipment, huge repair costs can be reduced.
2. Damage to conveyor belts and equipment can be minimized.
- 3.Production losses can be kept to minimum because recovery work is short.



Pull Cord Switch

Pull Cord Switch is a switch for emergency stop when an accident occurs around belt conveyors and transportation machinery. Mainly used for belt conveyors that transport raw materials (ore, coal, lime, gravel, etc.) at production sites.

Advantages

- 1.It can be used as an emergency stop device required by occupational safety and health regulations to prevent accidents resulting in injury or death to workers.
2. Pulling the wire rope from anywhere on the conveyor can bring the equipment to an emergency stop.
- 3.It is also effective for safety measures before work. If you operate the Pull Cord Switch while working around the conveyor, you will not accidentally start the conveyor. Serious accidents can be avoided.



Belt Conveyor Protection Equipment



Flow Detector

Flow Detector detects and notifies you if the cargo on belt conveyor is running out. It helps to avoid troubles in post-process.

Advantages

1. Out-of-load can be detected in advance to avoid quality defects in subsequent processes.
2. It can also be used to predict clogging and overflow of conveyor transfer chutes.
3. When transporting multiple raw materials on a single conveyor, mixing of raw materials can be avoided because the next raw material can be added after confirming that the load is completely exhausted.
4. Detecting that a load has arrived at a certain position on the conveyor and activating the conveyor in the post-process will lead to energy saving.



Tilt Switch

Tilt switch is robust level switch unaffected by adhesion. They can be used for upper limit detection in storage silos, walkers, chutes, etc. for powder and solid materials.

Advantages

1. Not affected by adhesion or electrical characteristics of measured object. Effective when capacitance method cannot detect due to its low relative permittivity.
2. Suitable for detecting solid materials. Capacitance or paddle type may break equipment when detecting solid materials, but Tilt Switch housed in a sturdy cast metal case are safe because of their shock-resistant construction. Specific gravity is 1.0 or higher, and solid materials with a grain size of 30 mm or more can be detected.



Chute Switch

Chute Switch is sensor that detects chute clogging that occurs when belt conveyors are transferred. This helps prevent overflows, production losses, and air pollution. It is widely used in ore transport conveyor chutes at coal-fired power plants and steel mills.

Advantages

Early detection of chute clogging

1. You can avoid overflow and suppress dust generation to the surrounding environment.
2. Conveyor damage and fire can be avoided.
3. It is possible to avoid quality defects due to the supply to the next process being interrupted.

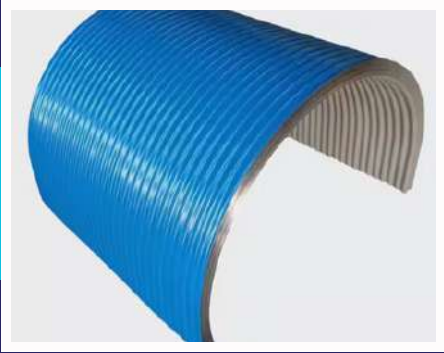
Conveyor Covers

Conveyor Rain Protection Cover

Conveyor cover is used to protect the conveyed materials, belting, idlers and framework from rain, wind, dust during transportation as well as to avoid the dispersion of powders.

Material of Construction: Galvanized steel, aluminum, stainless steel, fiberglass and painted steel.

Belt Width (mm)	Thickness (mm)	Material	Opening Width (mm)	Height (mm)
500	0.5;	Colorized Galvanized Steel Plate	846	573
650	0.6;		996	648
800	0.8;		1196	748
1000	1		1396	848
1200			1606	953
1400			1856	1078
1600			2056	1173
1800			2300	1280
2000			2546	1423



Inspection Cover

Inspection cover are made with transparent acrylic to do live inspection without opening of Covers.

It could be suitable for belts
500/650/800/1000/1200/1400/1600/1800/2000mm

Fiber Glass Cover

Fiber Glass have similar application as Galvanized Steel or Painted Steel with addition feature to be used in **Magnetic Separator or Metal Detector** locations. It is also used to protect the conveyed materials, belting, idlers and framework from rain, wind, dust during transportation as well as to avoid the dispersion of powders. Good Corrosion resistance.

t could be suitable for belts
500/650/800/1000/1200/1400/1600/1800/2000mm





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