

dynamic rubbers

PVT. LTD.



40+ 
Years of
Experience

52+ 
Exporting
Countries

30+ 
Product
Range

Product Catalogue

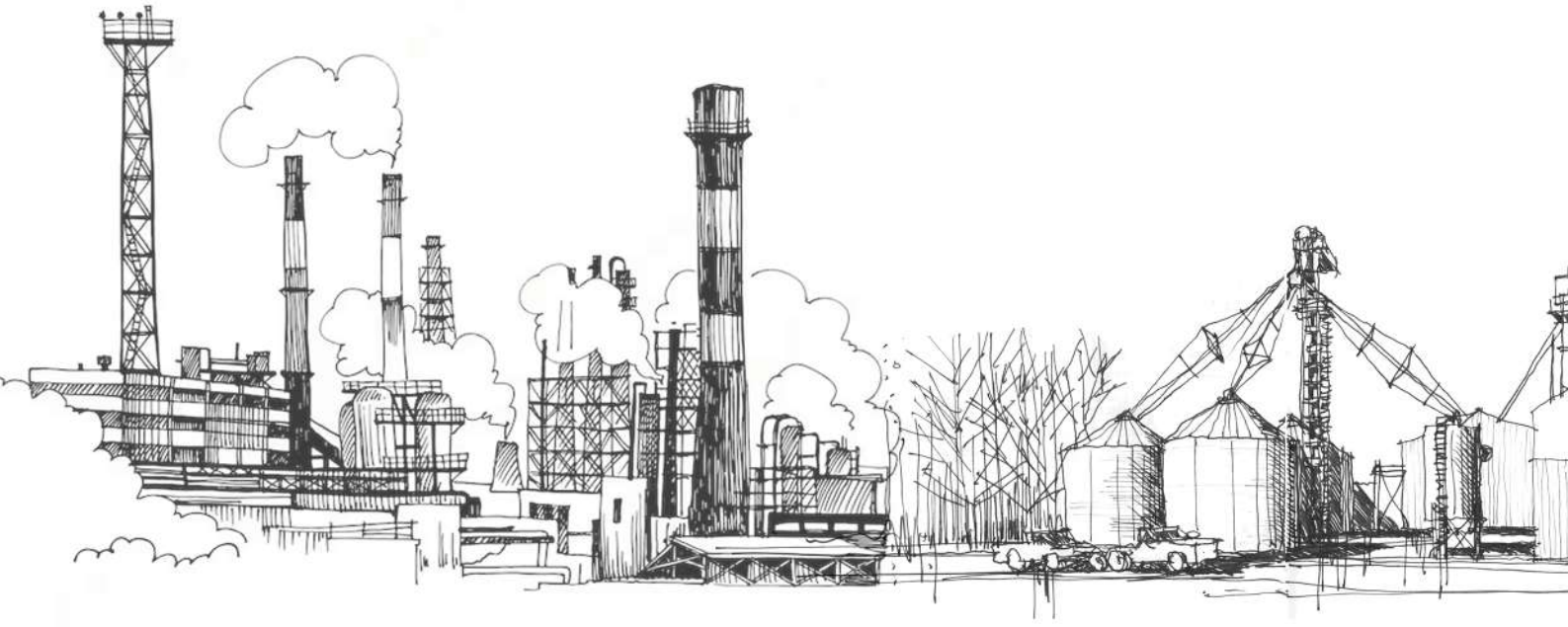
Bulk Material
Handling Solutions

Know more about us
www.dynamicrubbers.com

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ABOUT US

India's leading manufacturer for material handling solutions.

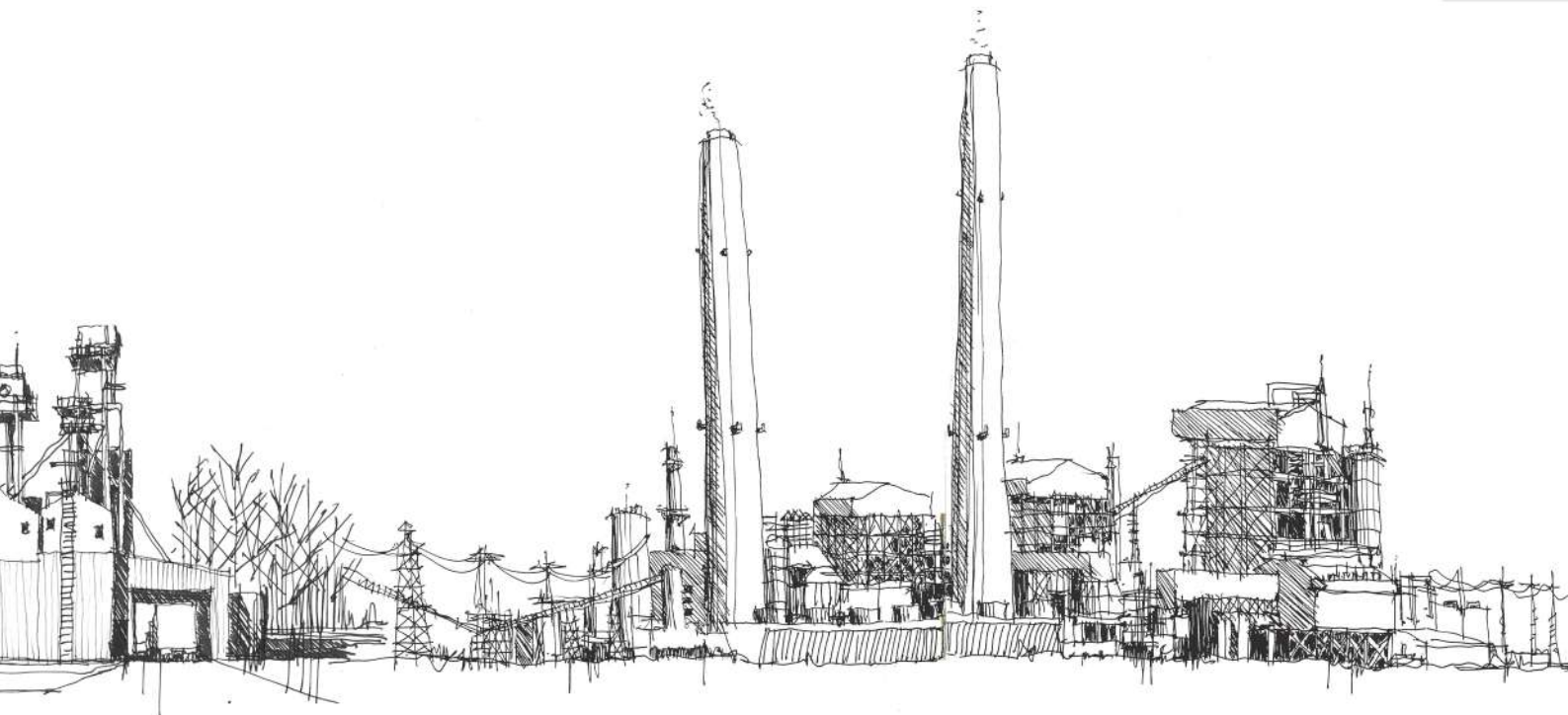
Dynamic Rubbers Private limited (DRPL), incorporated in 1987, is a leading player in the conveyor belt market headquartered in Western Part of India in Ahmedabad, Gujarat.

DYNAMIC has always prioritized quality production, prompt distribution, customer satisfaction, and efficient process management. The company offers a wide range of special belts and invests in extensive research and development to enhance safety, progress, and efficiency for its **diverse clientele**.



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rubbers**
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25+ Years of Delivering High-performance Conveyor belts

Sidewall Belting

- Integrally molded
- Upto 1400 mm belt width.
- Sidewall height upto 500mm

Truly 'Jointless' Belt

Upto 4000 mm wide belts

- Widest conveyor belt in India
- 4000mm wide
- No longitudinal joint

RC Feeder Belt

UHR Belts

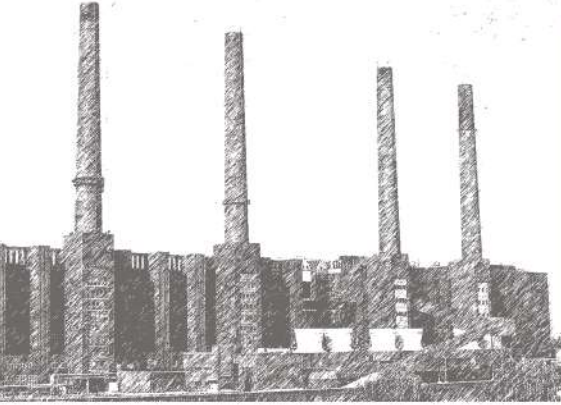
- Hottest problem solved.
- Special formula upto 350 degree.

EXPERTISE

1900s

Incorporation of
DRPL

19
86



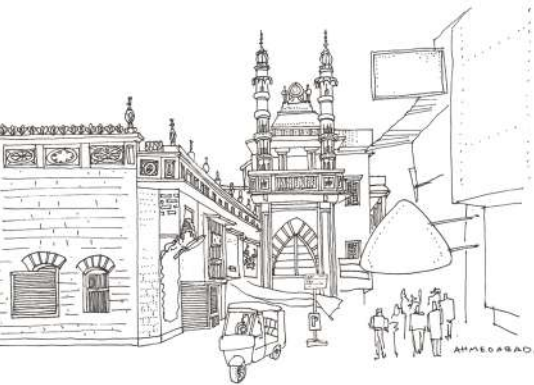
Milestones of
**dynamic
rubbers**

19
88

Commissioning of first
**Plant In
Jaipur**

Distributorship of
MRF

19
89



19
91

First Manufacturing
**Plant In
Ahmedabad**

Establishment of
**Export
wing**

20
00



20
01

Commissioning of
Conveyor

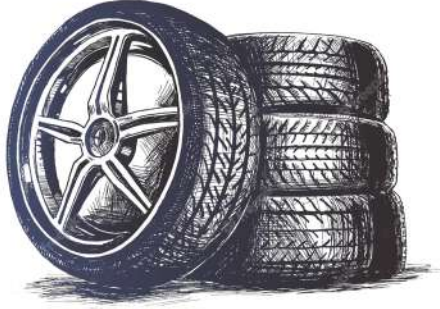
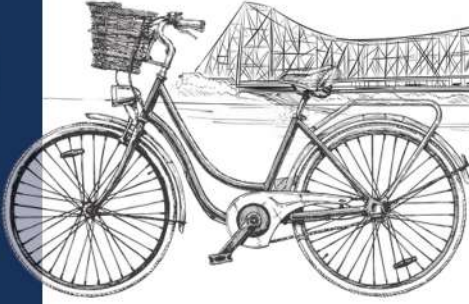
**Accessories
& Engg.**

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rubbers**
PVT. LTD.

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Establishment of Tyre
**Plant In
 Kolkata**

**20
 08**



**20
 12**

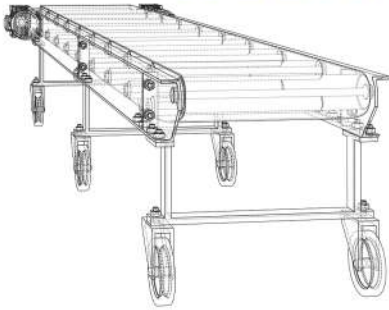
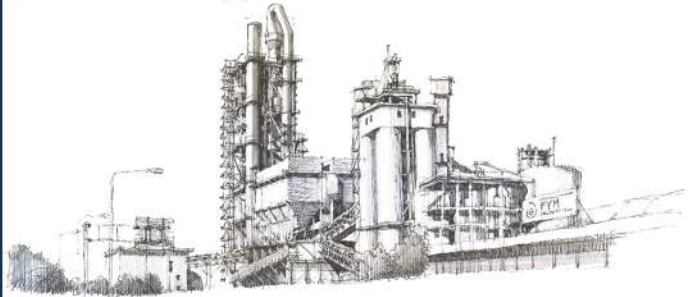
Manufacturing facility
 at Ahmedabad for

**Crumb
 Rubber**

With Focus on
 Power & Cement Expands

**Kolkata
 Unit**

**20
 14**



**20
 19**

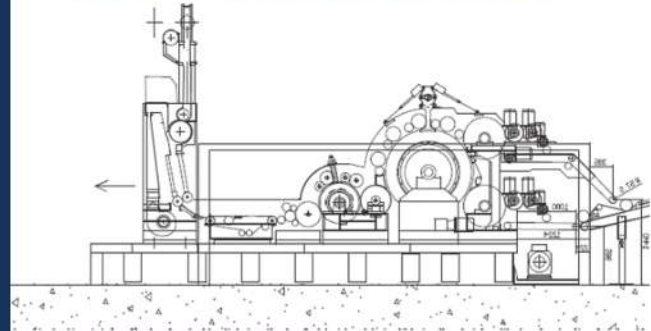
Further Unit in Ahmedabad
 with manufacturing

**Capacity
 of 4000MM**

Installs new line to make
 integrated sidewall belts up to

**Belt
 width of
 1400MM**

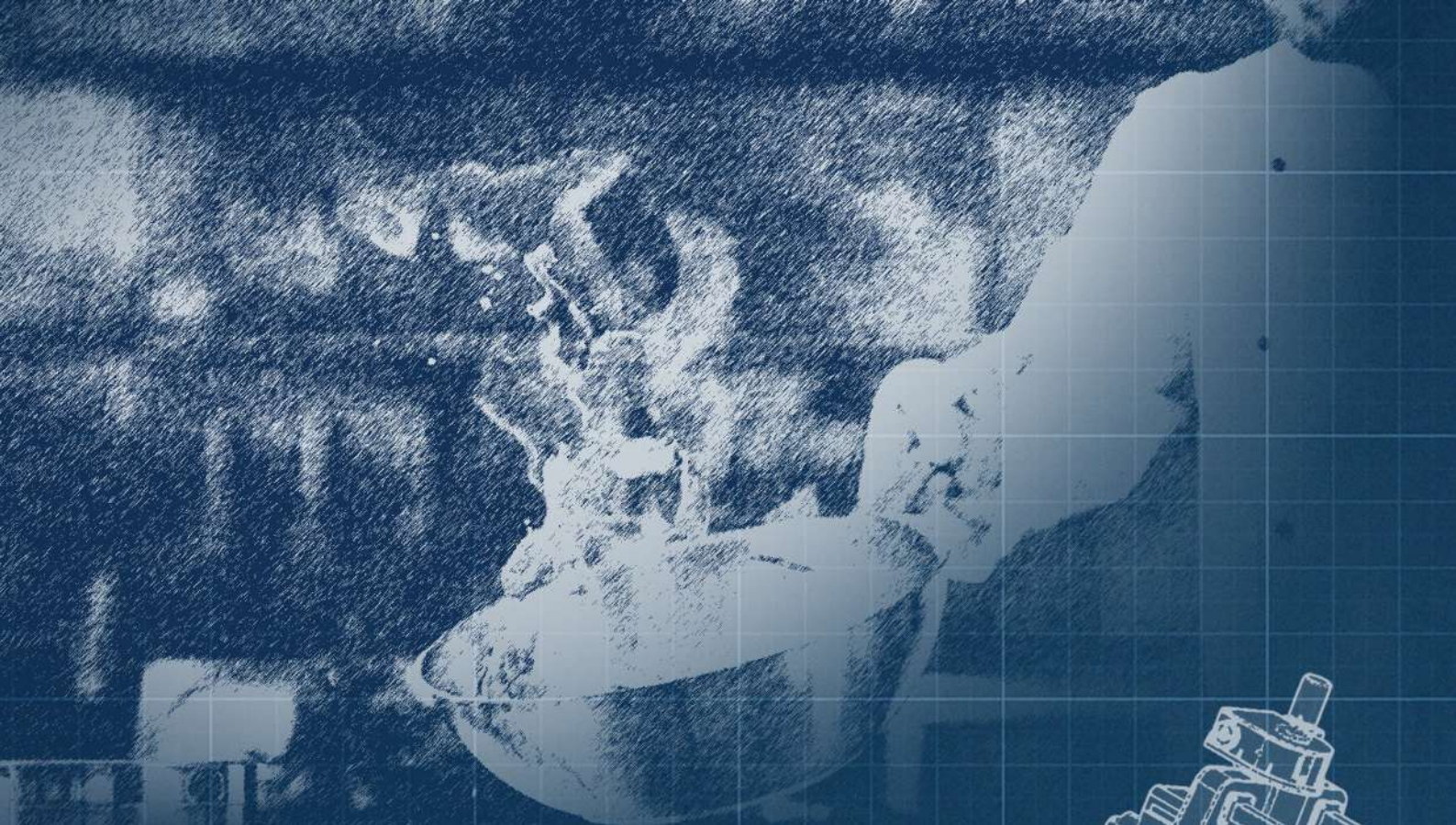
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 19**



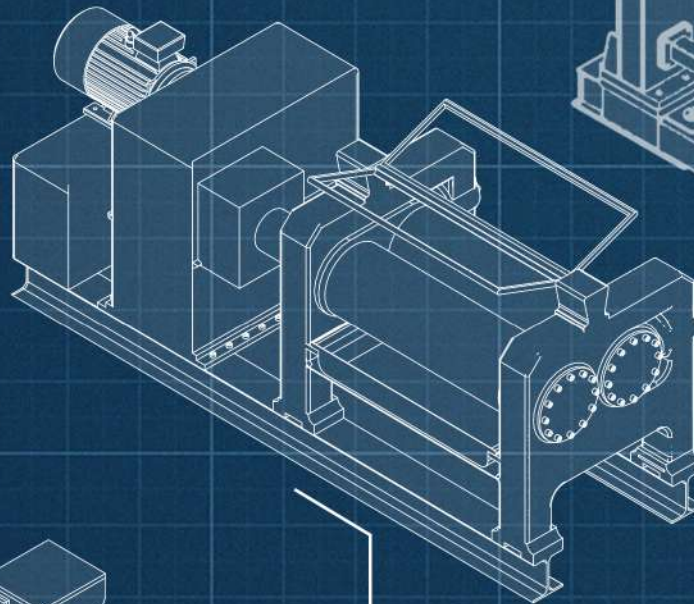
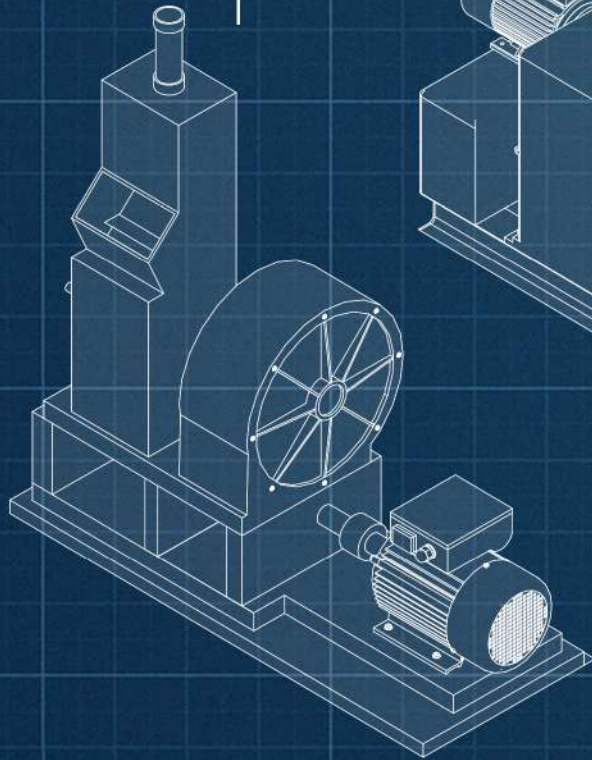
**20
 23**

Installation of

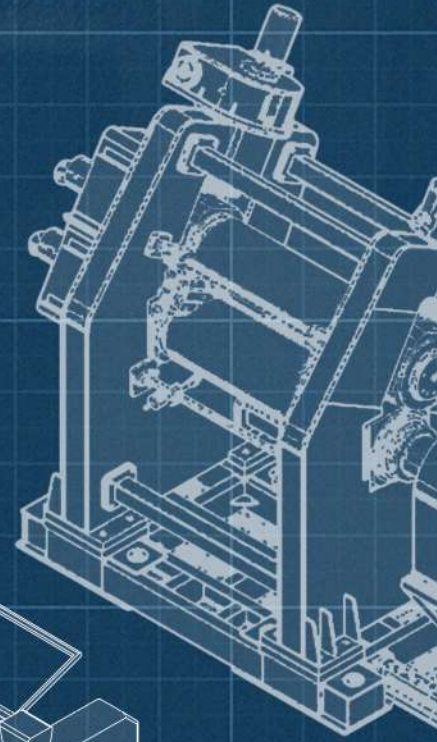
**Rotocure
 Line**



Banburry Mixer.



Mixing Mill.



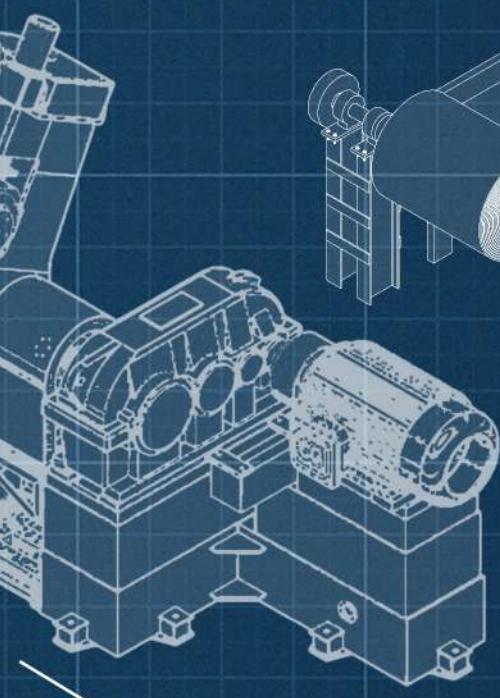
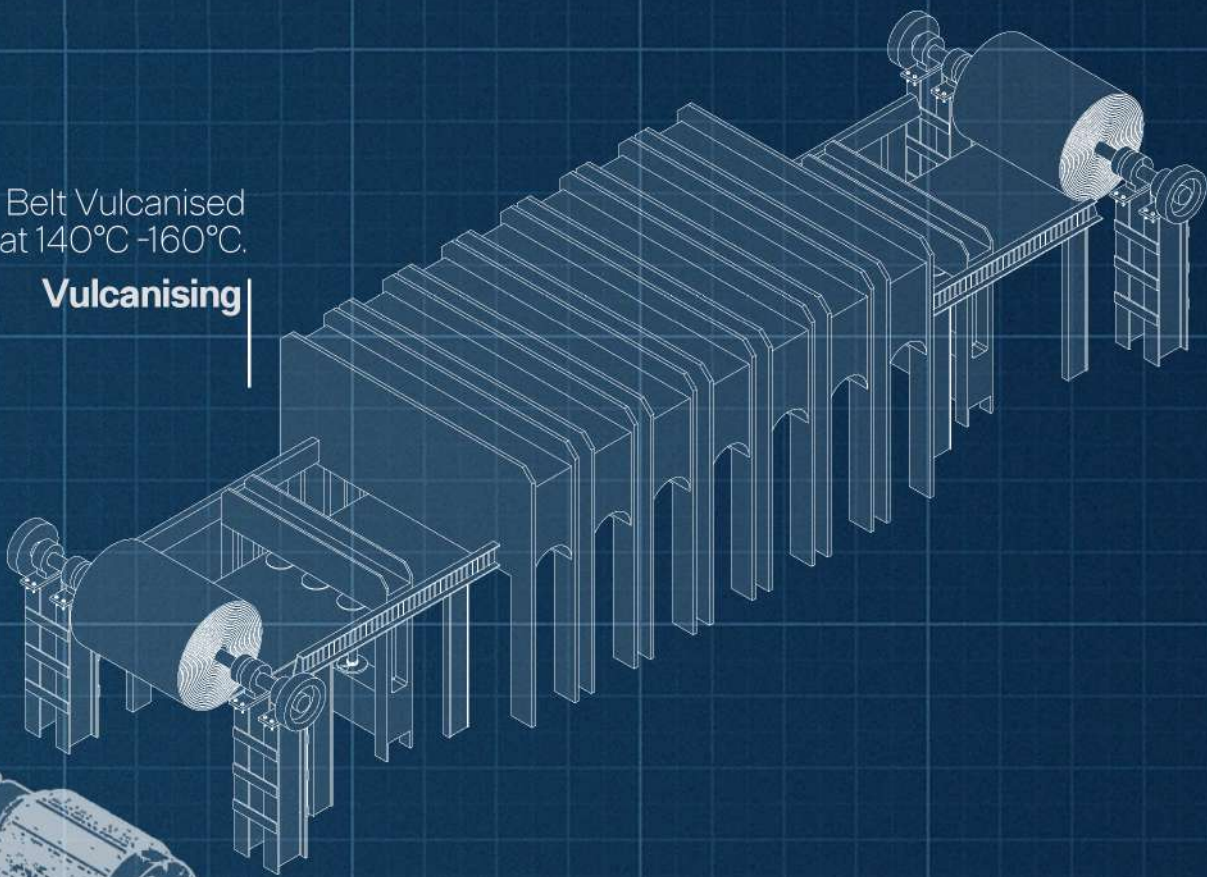
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How it is Manufactured ?

Belt Vulcanised at 140°C -160°C.

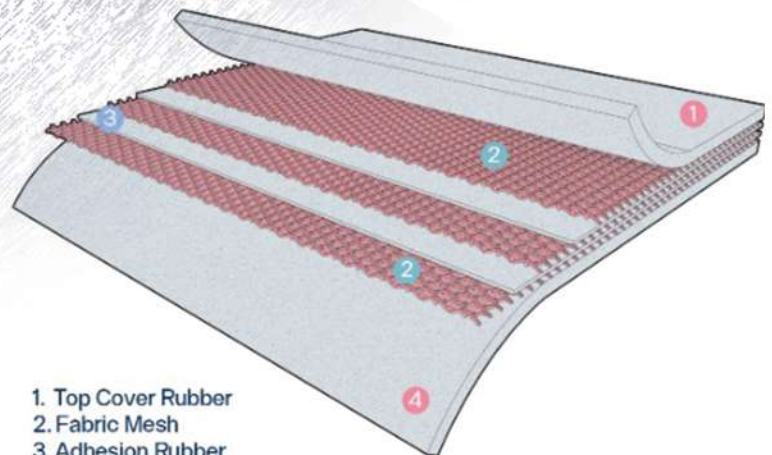
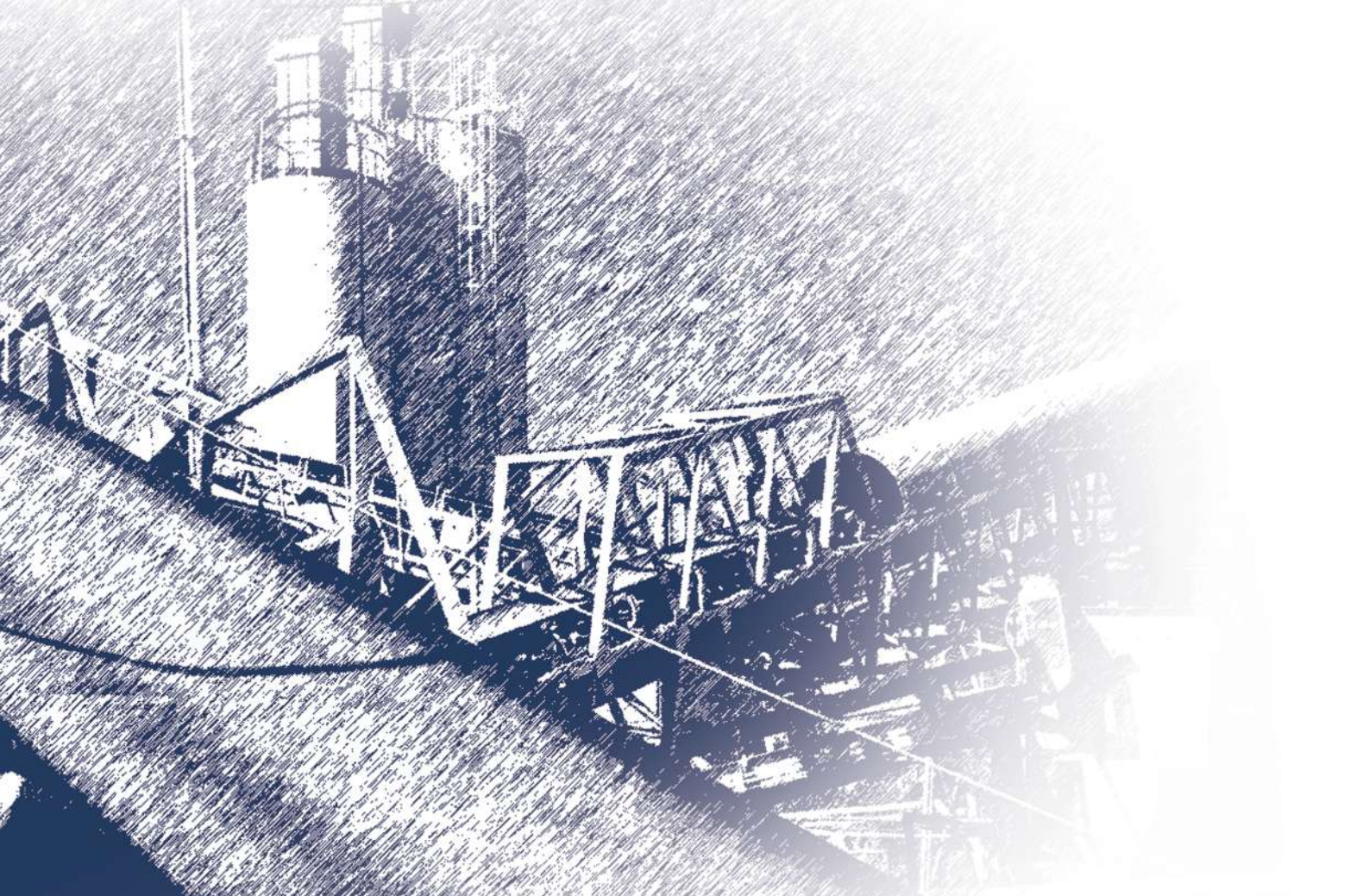
Vulcanising



Calendaring.

Flat Conveyor Belts.

Flat Conveyor Belts comes in various grades and are commonly used across all industries. DYNAMIC specializes in manufacturing plain belts of all grades along with hygienic belting. We provide customized solutions for every industry to maximize their efficiency and minimize their down time and losses.



1. Top Cover Rubber
2. Fabric Mesh
3. Adhesion Rubber
4. Bottom Cover

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General Purpose & Abrasion Resistant Belts

DYNAMIC's abrasion-resistant belts find extensive use across diverse industries, serving as reliable conveyors for transporting Metal to Coal, Cement to Cotton, and various other items. Their versatile applications make them the most relied and widely used grade in material handling equipments.

INDUSTRIES



Cement



Mining



Sugar



Steel



Power



Recycling



Agriculture



Port

- ▶ High Abrasion resistance.
- ▶ Long shelf-life.
- ▶ Customised sizes.
- ▶ Industry-specific formula for a better life.



Fig. 1.1. Natural Rubber Ribbed Smoked - 1

Heat Resistant Belts

DYNAMIC's Heat Resistant Belts are specifically engineered to meet the demands of manufacturing processes involving the transportation of hot materials or the generation of heat. These belts ensure safe and efficient conveyance in high-temperature environments, maintaining performance and reliability.



INDUSTRIES



Cement



Coal



Mining



Steel



Power



Road Construction



Port

Sub categories for Heat resistant belt

- HRT-1 Heat Resistant For Moderately Hot Material
- HRT-2 Superior Heat Resistant.
- UHR Ultra Heat Resistant

- ▶ Heat resistance ranging from 100 degrees to 300 degrees
- ▶ Unique blend of Natural and Synthetic polymers to give extra long life.



Fig. 1.2. Styrene-Butadiene Rubber 1502

Fire Resistant Belts



DYNAMIC's Fire Resistant Belts are essential for fire-prone sectors, providing a crucial line of defense against fire incidents.

INDUSTRIES



These belts effectively control and extinguish fires, mitigating potential hazards and preventing further spread, ensuring enhanced safety and protection.

- ▶ Best suited for fire prone sites / Material
- ▶ Designed to stop fire from spreading.



Fig. 1.3. EPDM Rubber Bale

Oil & Chemical Resistance Belts



DYNAMIC's Oil and Chemical-Resistant Belts are purposefully engineered to withstand the challenges of oil extraction processes and various chemical environments encountered during product manufacturing. These belts ensure smooth and reliable operation, contributing to the efficiency and productivity of the manufacturing operations.

INDUSTRIES



- ▶ Best for application where oil is generated or extracted.
- ▶ Stops belt from delamination and swelling.
- ▶ Also available in combination of OR and HR grade.

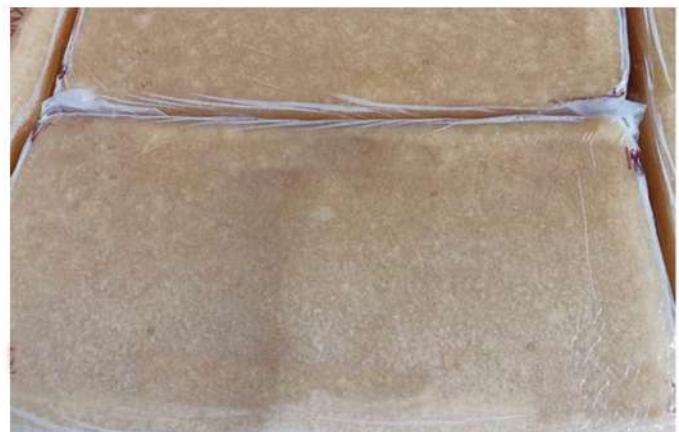


Fig. 1.4. Nitrile Butadiene Rubber

Food Grade Belts (Hygienic Belting)



DYNAMIC's Food-grade Belts are white, manufactured for the food industry, prioritizing hygiene through specialized processes and chemicals.

INDUSTRIES



Food



Agriculture



Sugar



Rice



Dairy

- ▶ **Food-grade conveyor belts:** DYNAMIC specializes in belts for agriculture and food processing, ensuring product safety for biscuits, cookies, and chemical handling.
- ▶ **High-quality materials:** DYNAMIC's food-grade belts undergo rigorous testing, using globally recognized chemicals and high-grade polymers.
- ▶ **Medical-grade standards:** DYNAMIC employs polymers similar to those used in medical products, ensuring the highest quality for food processing applications.



Fig. 1.5. Hygienic Food Grade Rubber

Available Specifications for Flat belts

SL.	SPECIFICATION	DESCRIPTION
1.	STANDARD WIDTHS	400MM-4000 MM
2.	NO. OF PLY'S	2 PLY TO 6 PLY
3.	TYPE OF FABRIC	NN / EP / EE
3.	COVER THICKNESS	MIN 3 MM TOP AND 1.5 MM BOTTOM OR BARE BACK
5.	EDGE	CUT EDGE OR MOLDED EDGE
6.	COMMON BELT RATING	200 TO 800 KN/M
7.	STANDARD PACKING	WRAPPING IN HDPE SHEETS WITH STRAPPING. (WOODEN CRATE / METAL CRATE PACKING IS AVAILABLE ON REQUEST)
8.	IDENTIFICATION	UNIQUE BELT NUMBER ENGRAVED ON THE BELT

Chevron Profiled Belts.

DYNAMIC's Chevron Cleated belts eliminate the need for special idlers and can be used on standard conveyors. With slopes of up to 40°, they provide increased lift in a smaller area.



Truly **'Jointless'**
Belts

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Chevron Belts

DYNAMIC's Chevron belts have integrally moulded cleats on the top surface to stop material from rolling back when conveying it on an angle. Also known as escort belts.



Cement



Food



Coal



Recycling

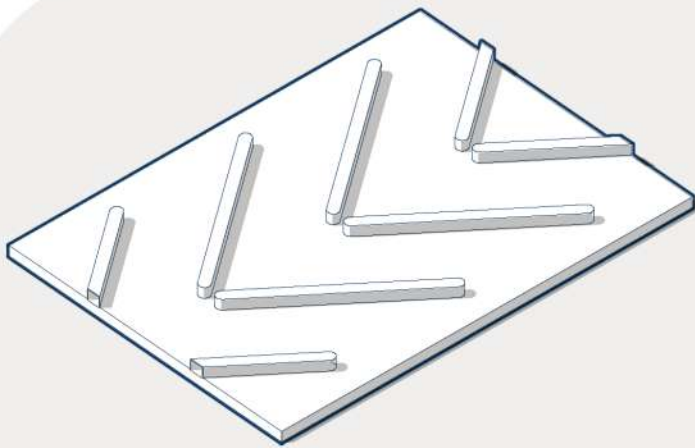


Chemical

INDUSTRIES

- ▶ No Special idlers are needed.
- ▶ Best for inclined to convey over 20 degrees.
- ▶ Integrally molded hence very long life.
- ▶ Profiled covers reduce rollback of material on inclines.
- ▶ Reduced spillage and material loss.
- ▶ Space-saving due to a smaller footprint & Increased carrying capacity.
- ▶ Savings in structural cost and power consumption.
- ▶ Flexibility in belt construction wraps around smaller pulleys
- ▶ Availability with special covers including Oil, Heat or Fire Resistant

SL.	SPECIFICATION	DESCRIPTION
1.	STANDARD WIDTHS	UPTO 2400MM WIDTH
2.	CLEAT HEIGHT	5MM TO 35MM
3.	NO. OF PLY'S	2 PLY TO 6 PLY
4.	TYPE OF FABRIC	NN / EP / EE
5.	COVER THICKNESS	AS PER REQUIREMENT
6.	COVER GRADES	M-24, HR, FR, OR, & COMBINATIONS AVAILABLE ON REQUEST.
7.	SINGLE ROLL LENGTH	UPTO 400 METER OR AS PER SPECIFICATION
8.	STANDARD PACKING	WRAPPED BLUE HDPE SHEETS/WOODEN WITH STRAPPING.
9.	IDENTIFICATION	A UNIQUE BIN (BELT IDENTIFICATION NUMBER) AT EVERY 10 METERS (33')



CLEAT TYPE

DC 15-A

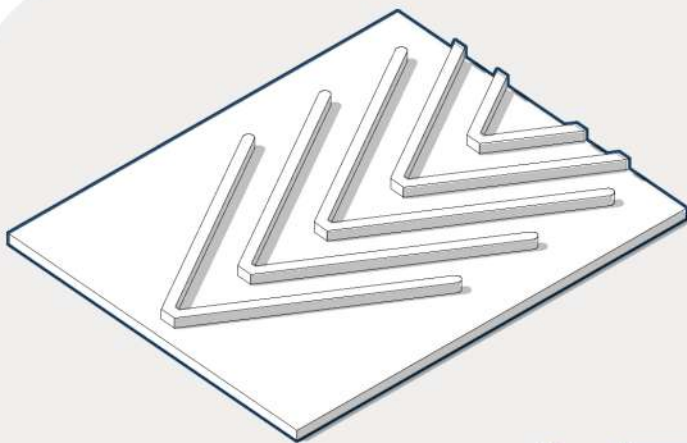
BELT WIDTH (MM) 600-800

CLEAT WIDTH (MM) 385

CLEAT HEIGHT (MM) 15

CLEAT THICKNESS (MM) 20

PITCH (MM) 250



CLEAT TYPE

DC 15-B

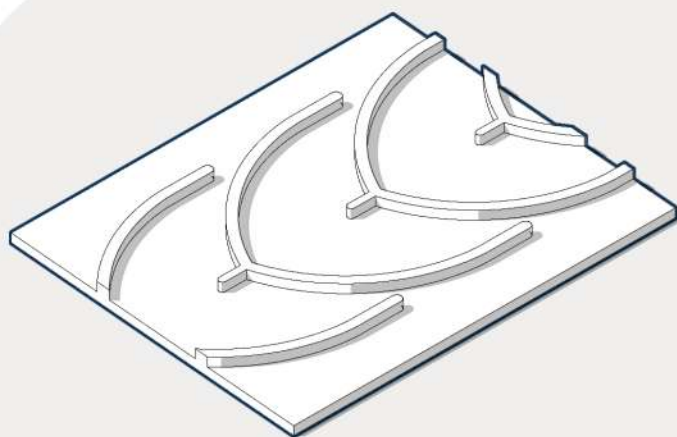
BELT WIDTH (MM) 900-1200

CLEAT WIDTH (MM) 750

CLEAT HEIGHT (MM) 15

CLEAT THICKNESS (MM) 20

PITCH (MM) 250



CLEAT TYPE

DC 15-C

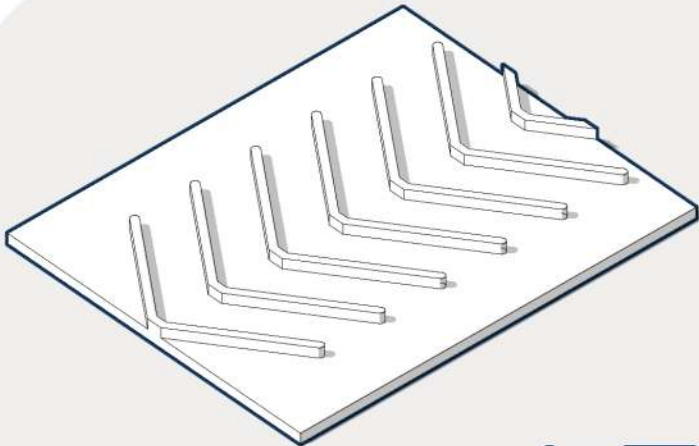
BELT WIDTH (MM) 700-900

CLEAT WIDTH (MM) 575

CLEAT HEIGHT (MM) 15

CLEAT THICKNESS (MM) 20

PITCH (MM) 338



CLEAT TYPE

DC 15-D

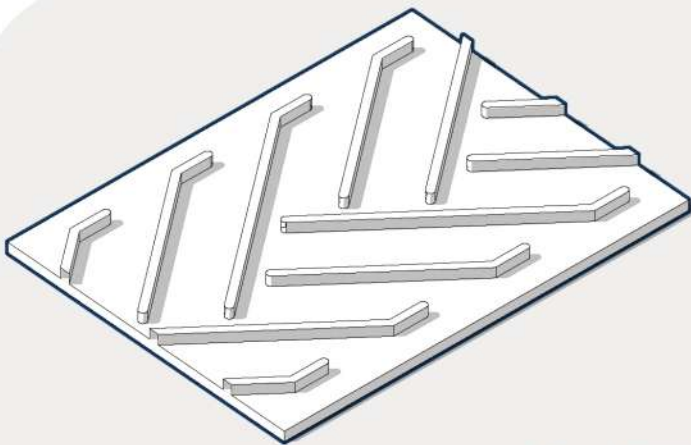
BELT WIDTH (MM) 900-1200

CLEAT WIDTH (MM) 610

CLEAT HEIGHT (MM) 15

CLEAT THICKNESS (MM) 20

PITCH (MM) 252



CLEAT TYPE

DC 15-E

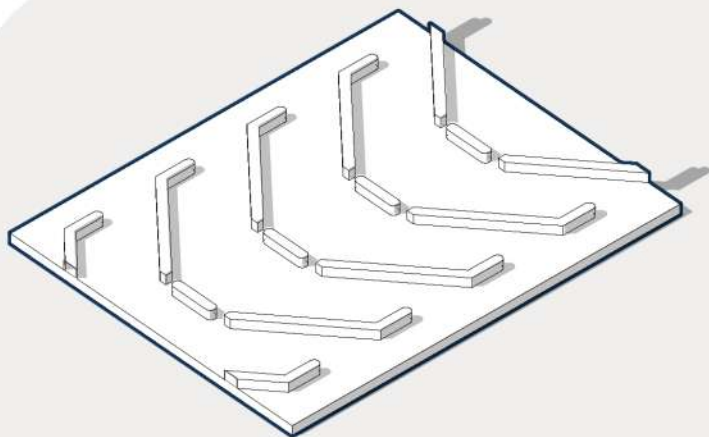
BELT WIDTH (MM) 900-1400

CLEAT WIDTH (MM) 750

CLEAT HEIGHT (MM) 15

CLEAT THICKNESS (MM) 20

PITCH (MM) 300



CLEAT TYPE

DC 25-A

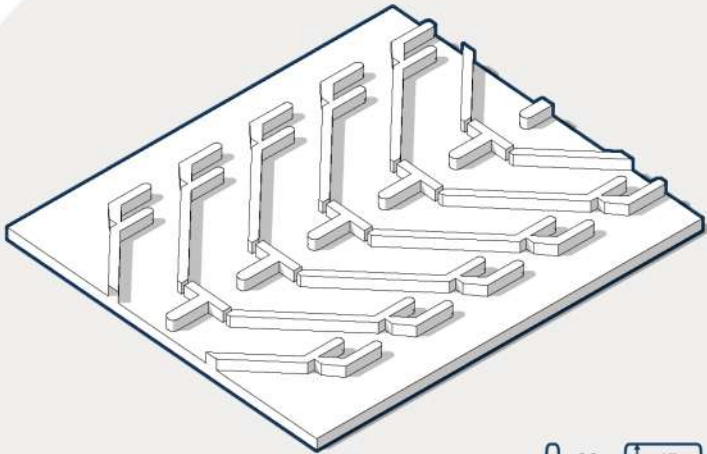
BELT WIDTH (MM) 600-800

CLEAT WIDTH (MM) 550

CLEAT HEIGHT (MM) 25

CLEAT THICKNESS (MM) 25

PITCH (MM) 250



CLEAT TYPE

DC 15-F

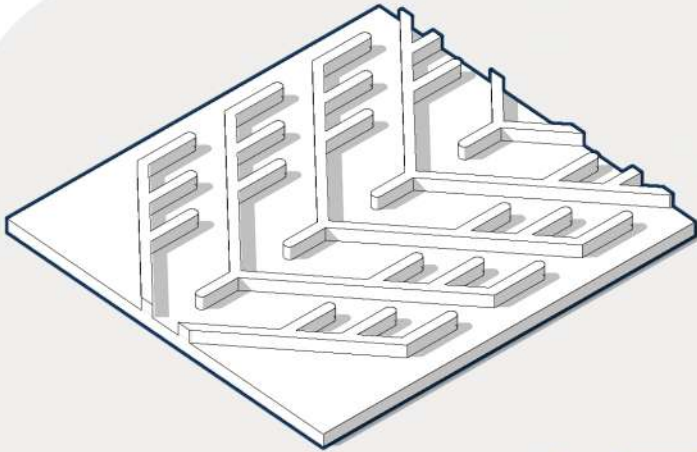
BELT WIDTH (MM) 900-1200

CLEAT WIDTH (MM) 610

CLEAT HEIGHT (MM) 15

CLEAT THICKNESS (MM) 20

PITCH (MM) 252



CLEAT TYPE

DC 15-G

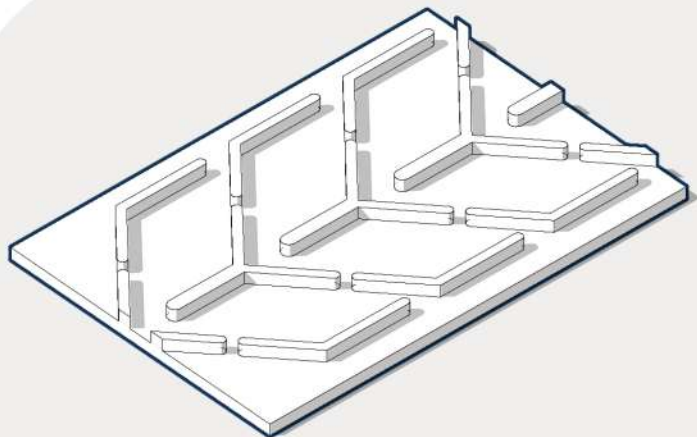
BELT WIDTH (MM) 900-1400

CLEAT WIDTH (MM) 750

CLEAT HEIGHT (MM) 15

CLEAT THICKNESS (MM) 20

PITCH (MM) 300



CLEAT TYPE

DC 25-B

BELT WIDTH (MM) 600-800

CLEAT WIDTH (MM) 550

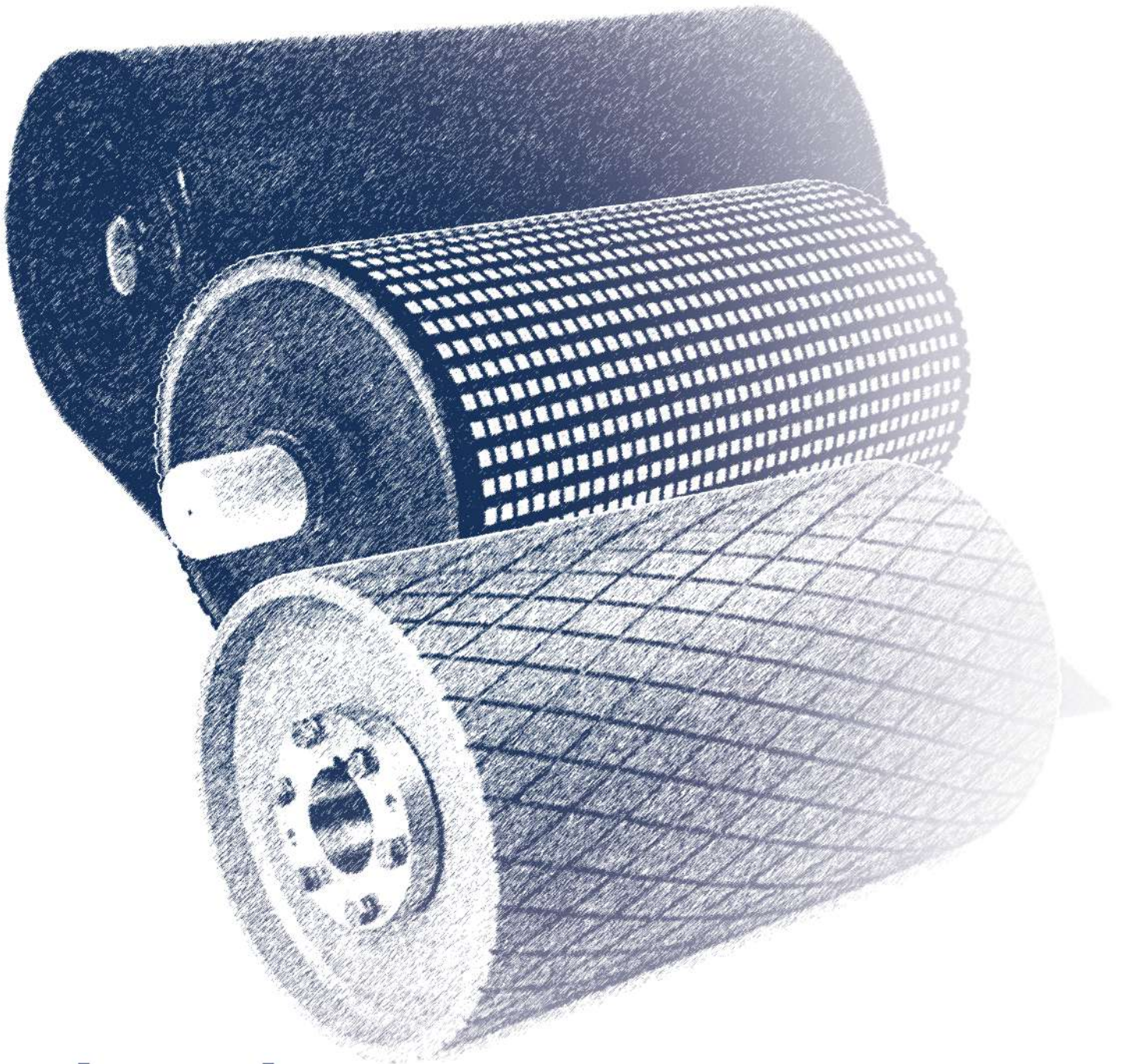
CLEAT HEIGHT (MM) 25

CLEAT THICKNESS (MM) 25

PITCH (MM) 250

Rubber Sheets

Dynamic Rubbers provides a wide range of Rubber Sheets. From simple commercial compounds to technically advanced sheets, we can meet the most exact client requirements with ease. We provide rubber sheets for various purposes like Pulley Lagging, Tank lining, soundproofing, abrasion resistance, impact resistance, insulation, gaskets, diaphragms, and air bellows.



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Plain Rubber Sheets.

DYNAMIC offers wide range of Plain Rubbers sheets, catering to diverse client requirements.

- ▶ **Custom compounds:** DYNAMIC offers unique formulations tailored to specific requirements of customers.
- ▶ **Plain Rubber Sheets:** Commonly used for tank lining, soundproofing, abrasion resistance, impact resistance, insulation, gaskets, diaphragms, and air bellows.



Forms: Rolls, Tiles and Plates

THICKNESS TOLERANCES							
NORMAL THICKNESS		TOLERANCES ±		NORMAL THICKNESS		TOLERANCES ±	
FRACTION INCHES	DECIMALS INCHES	INCHES	MILLIMETER	MILLIMETER			
UNDER 1/32"	UNDER 0.031	0.01	1	0.25			
1/32" TO BUT NOT INCLUDING 1/16"	0.031 TO 0.062	0.012	2	0.3			
1/16" TO BUT NOT INCLUDING 1/8"	0.062 TO 0.125	0.016	3	0.4			
1/8" TO BUT NOT INCLUDING 3/16"	0.125 TO 0.187	0.02	5	0.51			
3/16" TO BUT NOT INCLUDING 3/8"	0.187 TO 0.375	0.031	10	0.79			
3/8" TO BUT NOT INCLUDING 9/16"	0.375 TO 0.562	0.047	15	1.19			
9/16" TO BUT NOT INCLUDING 3/4"	0.562 TO 0.750	0.062	10	1.59			
3/4" TO BUT NOT INCLUDING 1"	0.750 TO 1.000	0.094	23	2.38			
1" AND OVER	1.000 AND OVER	10%	25	10%			

WIDTH TOLERANCES +/- 2%

LENGTH TOLERANCES +/- 5%

Butyl Rubber Sheets.

The Butyl Sheet from DYNAMIC is highly resistant to ozone, oxidation, and sunlight. It has a low resilience, making it excellent for vibration-dampening and shock absorption applications. It offers moderate abrasion and compression set resistance.

► **Butyl Rubber Sheet:** Co-polymer of iso-butylene and isoprene, low permeability, operates from -45°C to +130°C.

► **Resists ozone, oxidation, sunlight:** Offers excellent weather resistance, ideal for vibration dampening, shock absorption.

► **Abrasion and compression resistant:** Provides high tensile strength, resistance to inorganic and aqueous acids.



Medicine



Chemical



Transhipment



Food

INDUSTRIES

► **Buthalogenated Butyl Rubber Sheets:** Available for oil and hydrocarbon resistance in specialized applications.

BUTYL RUBBER SHEETS

CODE	SPECIFIC GRAVITY	HARDNESS (±5)	TENSILE STRENGTH	ELONGATION AT BREAK	COMPRESSION SET AT 70°C FOR 22 HRS	TEMP. RANGE	COLOUR
	GM / CM3	SHORE A	(MIN) KG / CM2	(MIN) %	%	°C	
CIIR 55110	1.10	55	130	550	25	-45 TO +130	BLACK
IR 60120	1.20	60	90	350	40	-40 TO +131	BLACK
IR 65135	1.35	65	60	250	40	-40 TO +130	BLACK

STANDARD LENGTH

10 MTR

33 FT

11 YARD

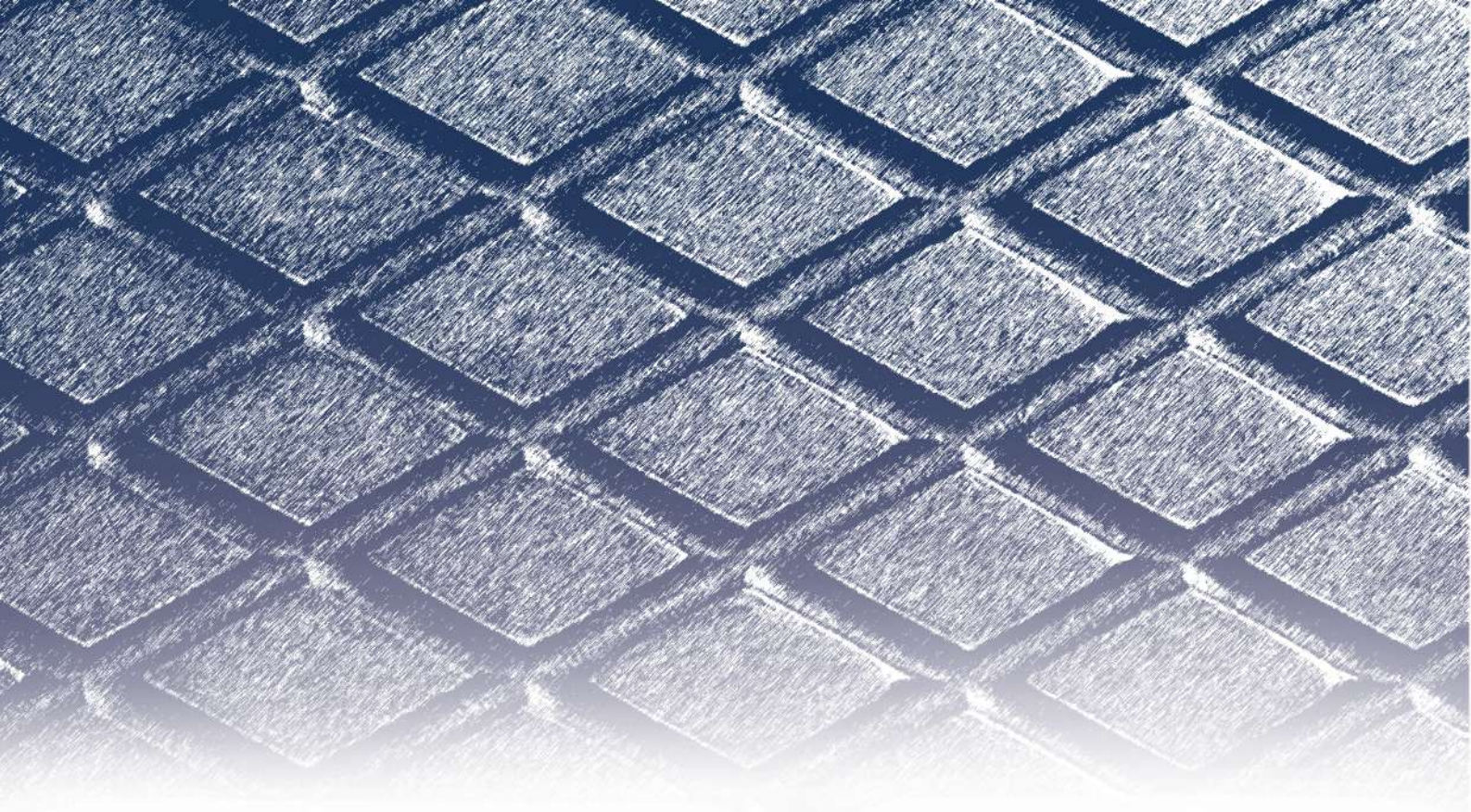
STANDARD

1.2/1.4/1.5 MTR

4/4.6/4.92 FT

1.33/1.53/1.64 YARD

NOTE 1). ONE SIDE OR BOTH SIDE SMOOTH OR FABRIC FINISH CAN BE SUPPLIED.
2). SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



Rubber Sheets.

Pulley Lagging Rubber Sheets.

The DYNAMIC's Pulley Lagging Sheets are designed for maximum elasticity and resistance to wear and tear. They are made up of a special mix of natural and synthetic rubber that prevents any conveyor belt slippage.

► **Pulley Lagging Rubber Sheet:**

Exceptional performance with corrosion resistance and prevention of material build-up, available in black for belt tracking, and options like diamond, square, and plain patterns.

► **Resilient properties:** Resist abrasion, ozone, harsh weather, temperatures, UV rays, and radiation for extended durability.

► **Versatile applications:** Pulley Lagging Rubber Sheets, with varying hardness, specific gravity, bonding layers, and surface finishes, find utility in diverse industries.



Cement



Mining



Steel



Power



Fertilizer



Medicine



Chemical



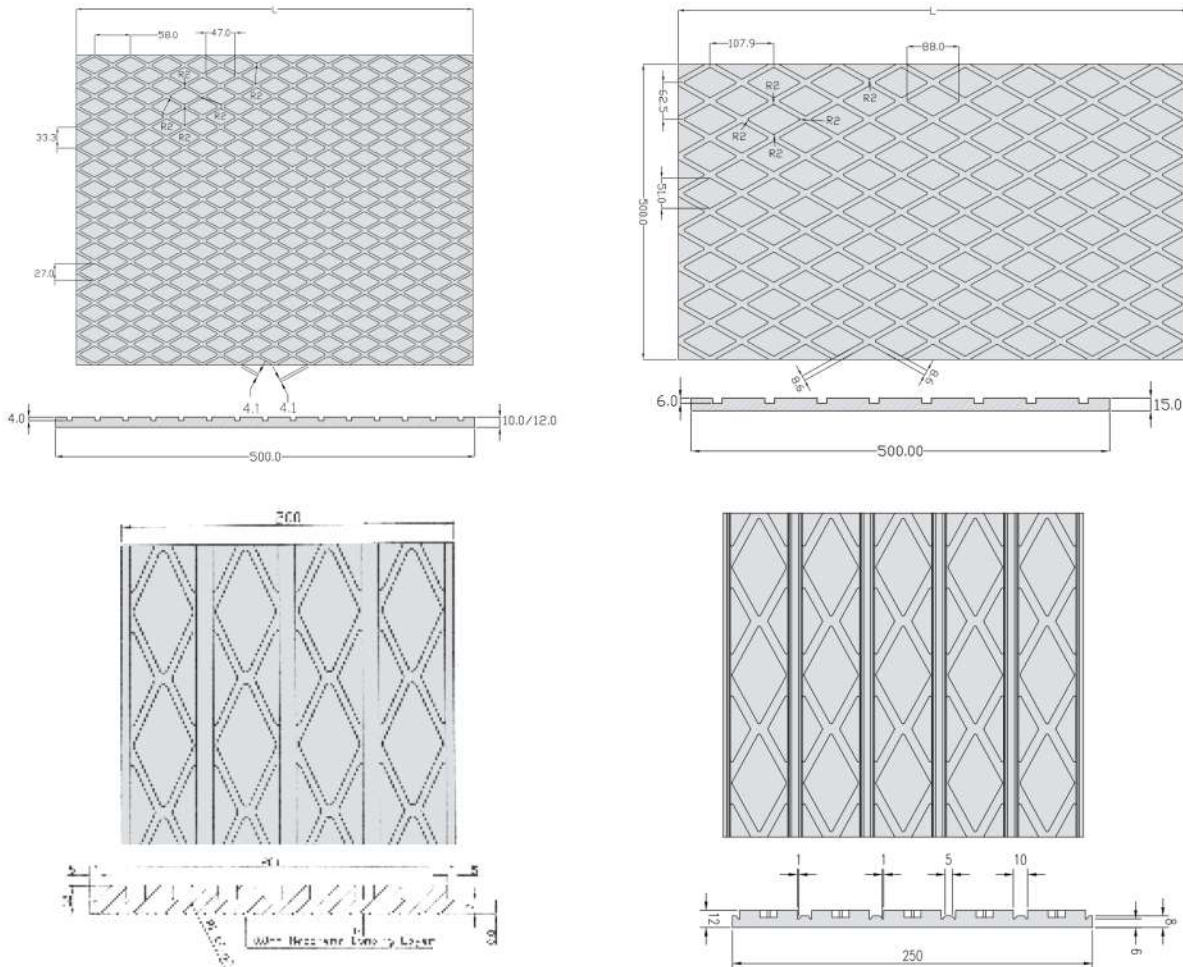
Transshipment

INDUSTRIES

► **Enhanced performance:** Ideal for pulley lagging, DYNAMIC's sheets improve grip, resist corrosion, and are used in mining, quarrying, and metal processing for medium belt tension on various pulleys.

► **CN bonding layer:** In most metal lining Rubber sheet applications, a thin layer (0.8-1.0 mm) of neoprene backing is added due to its excellent adhesion qualities to metals.

Range of Profiles with dimensions



SL.	SPECIFICATION	DESCRIPTION
1	STANDARD WIDTHS	300MM TO 2400MM OR AS PER SPECIFICATION
2	PATTERN	DIAMOND GROOVE AND PLAIN
3	BONDING LAYER	CN BONDING LAYER WITH KNURLING IMPRESSION
5	COVER GRADES	AVAILABLE IN GENERAL PURPOSE IMPACT AND ABRASION RESISTANT(M24), HEAT RESISTANT(HR), FIRE RESISTANT (FR)GRADES AND COMBINATIONS AVAILABLE ON REQUEST.
6	SINGLE ROLL LENGTH	UPTO 100 METERS

Rubber Sheets.

Ceramic Pulley Lagging Sheets.

The chloroprene bonding layer on DYNAMIC's Ceramic Lagging Sheets is utilized as a protective covering to maximize pulley life in applications for harsh circumstances, for instance: damp and muddy environments.

- ▶ **Wet/muddy conditions:** Protects pulleys, prolongs life. Made with high quality alumina tiles, abrasion resistant rubber.
- ▶ **Best for wet/muddy conditions.**
- ▶ **Width upto 500mm.**
- ▶ **Length upto 10 meters.**
- ▶ **Thickness 10-20 mm.**
- ▶ **Dimpled surface for grip.**
- ▶ **CN bonding layer:** In most metal lining Rubber sheet applications, a thin layer (0.8-1.0 mm) of neoprene backing is added due to its excellent adhesion qualities to metals.



Cement

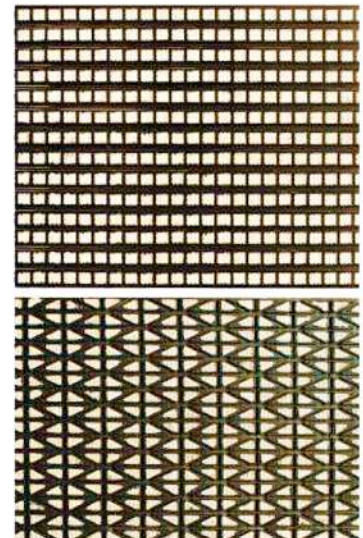
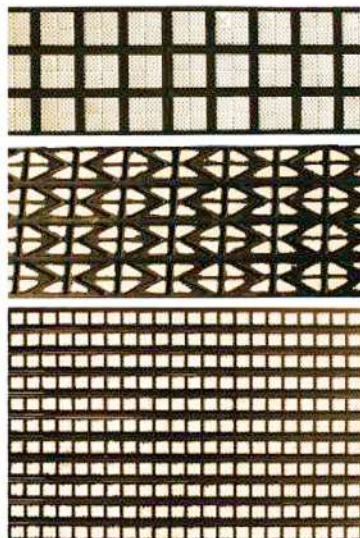


Power



Transhipment

INDUSTRIES



dynamic
rubbers
PVT. LTD.

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DIMENSIONS			
CODE	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)
DRCL- 5A	12	500	10.000
DRCL- 5B	13	500	10.000
DRCL- 5C	15	500	10.000
DRCL- 5D	17	500	10.000
DRCL- 5E	20	500	10.000

RUBBER SPECIFICATIONS	
HARDNESS (SHORE A)	65+/-5
DENSITY (G/CC)	1.12 TO 1.17
TENSILE STRENGTH (MPA)	20.0 (MIN)
ELONGATION (MIN)	400% (MIN)
ABRASION (MM ³)	120 (MAX)

CERAMIC SPECIFICATIONS	
ALUMINUM OXIDE AL ₂ O ₃	92 % (MIN)
DENSITY (G/CC)	3.65 (MIN)
HARDNESS (R45N)	77 (MIN)
FLEXURAL STRENGTH (MPA)	240 (MIN)
ABRASION BY RUBBING ©	0.1 (MAX)

DIMENSIONS		
CO -EFFICIENT OF FRICTION	RUBBER LAGGING	CERAMIC LAGGING
DRY	0.4	0.7
WET	0.3	0.5

Nitrile Rubber Sheets.

DYNAMIC offers wide range of Plain Rubbers sheets, catering to diverse client requirements.

- ▶ **Nitrile Rubber Sheet:** Formed by co-polymerizing Butadiene and Acrylonitrile, offers slow aging, good metal adhesion, and hydrocarbon protection.



- ▶ **Temperature range:** -30°C to +120°C, resistant to inorganic chemicals (except antioxidants and chlorine), provides hydrocarbon protection.

NITRILE RUBBER SHEETS									
CODE	SPECIFIC GRAVITY	HARDNESS (±5)	TENSILE STRENGTH	ELONGATION AT BREAK	ABRASION RESISTANT	COMPRESSION SET AT 70°C FOR 22 HRS	CHANGE IN VOLUME AT ASTM OIL NO 3 70 °C/72 HRS	WORKING. TEMP	COLOUR
	GM /CM3	SHORE A	(MIN) KG / CM2	(MIN) %	MM ³ 10 N	%	%	°C	
NB 60130	1.30	65	100	350	250	20	20	-30 TO +110	BLACK
NB 65135	1.35	65	50	300	-	30	30	-30 TO +70	BLACK
NB 70140	1.45	70	50	250	300	40	40	-30 TO +90	BLACK
NB 60150	1.50	60	70	300	300	30	30	-30 TO +110	

FOOD GRADE RUBBER SHEET									
CODE	SPECIFIC GRAVITY	HARDNESS (±5)	TENSILE STRENGTH	ELONGATION AT BREAK	ABRASION RESISTANT	COMPRESSION SET AT 70°C FOR 22 HRS	CHANGE IN VOLUME AT ASTM OIL NO 3 70 °C/72 HRS	WORKING. TEMP	COLOUR
	GM /CM3	SHORE A	(MIN) KG / CM2	(MIN) %	MM ³ 10 N	%	%	°C	
NB 60130	1.40	60	60	350	-	30	15	-25 TO +110	OFF WHITE

STANDARD LENGTH	10 MTR	33 FT	11 YARD
STANDARD	1.2/1.4/1.5 MTR	4/4.6/4.92 FT	1.33/1.53/1.64 YARD

NOTE 1). ONE SIDE OR BOTH SIDE SMOOTH OR FABRIC FINISH CAN BE SUPPLIED.
2). SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Neoprene Rubber Sheets.

DYNAMIC's Neoprene/Chloroprene Rubber Sheet offers heat, ozone, and weathering resistance. It exhibits excellent mechanical and abrasion properties, even without reinforcing fillers. The sheet maintains its quality while providing durability and protection against various environmental factors.

► **Neoprene/Chloroprene Rubber Sheet:** Chloroprene or Chloro-Butadiene homo polymer with good mechanical and abrasion qualities.

► **High temperature use:** Suitable for temperatures over 60°C, excellent protection against heat, ozone, and weather.

► **Wide temperature range:** Recommended for -40°C to +125°C operation, offers protection against inorganic hydrocarbons.



► **Flame-retardant options:** Available in flame-retardant grades for enhanced safety in specific applications.

NEOPRENE RUBBER SHEETS

CODE	SPECIFIC GRAVITY	HARDNESS (±5)	TENSILE STRENGTH	ELONGATION AT BREAK	ABRASION	COMPRESSION SET AT 70°C FOR 22 HRS	TEMP. RANGE	OIL SWELL IN ASTM OIL 903	COLOUR	POLYMER CONTENT
	GM /CM3	SHORE A	(MIN) KG / CM2	(MIN) %	MM ³ 10 N	%	°C	°C		
NE 65130	1.35	65	70	300	-	35	-25 TO +125	55%	BLACK	100%
NE 50140	1.40	55	60	350	-	45	-30 TO +90	90%	BLACK	30%
NE 60140	1.40	65	100	400	250	40	-35 TO +120	35%	BLACK	100%
NE 60140	1.45	60	40	250	-	60	-35 TO +80	90%	BLACK	10%
NE 70140	1.45	70	50	225	-	45	-25 TO +90	60%	BLACK	30%

STANDARD LENGTH

10 MTR

33 FT

11 YARD

STANDARD

1.2/1.4/1.5 MTR

4/4.6/4.92 FT

1.33/1.53/1.64 YARD

NOTE 1). ONE OR BOTH SIDE SMOOTH OR FABRIC FINISH CAN BE SUPPLIED.

2). SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

***We can offer the same with Silicone rubber and Whiton rubber.**



Steelcord Conveyor Belts

DYNAMIC's Steelcord belt provides superior impact resistance with selected number & size of cords. Insulation gum reduces internal friction, enhances adhesion. Top & bottom covers offer maximum steel cord protection. Cover compounds tailored to application demands, available in various rubber types and gauges.

- ▶ **Zinc galvanized steel cord:** DYNAMIC selects cords for flexibility, low elongation, and corrosion protection.
- ▶ **Insulation gum:** Superior bonding rubber ensures excellent adhesion and corrosion resistance.
- ▶ **Top cover breaker:** Prevents premature carcass damage from heavy impact loads.
- ▶ **Bottom cover breaker:** Prevents premature carcass damage from trapped material.
- ▶ **Outer rubber covers:** Advanced compounds protect steel cord against various environmental conditions.



Fig. 3.1. Steel Cord Splice Section

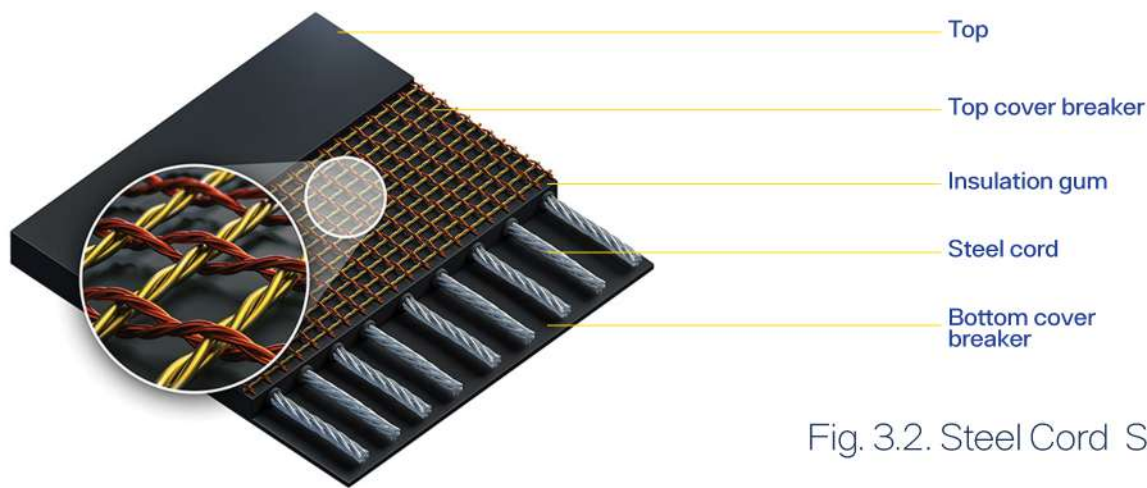


Fig. 3.2. Steel Cord Splice Section

ST Rating	Recomm. Cord Dia. (mm)	Pitch (mm) ±1.5	Belt Width															
			800	900	1000	1050	1200	1400	1500	1600	1800	2000	2200	2400	A	B	C	
500	2.6	12	64	71	81	84	97	114	122	131	147	164	181	197	500	400	315	
560	2.7	12	64	71	81	84	97	114	122	131	147	164	181	197	500	400	315	
630	2.9	12	64	71	81	84	97	114	122	131	147	164	181	197	500	400	315	
710	3	12	64	71	81	84	97	114	122	131	147	164	181	197	630	500	400	
800	3.1	12	64	71	81	84	97	114	122	131	147	164	181	197	630	500	400	
900	3.3	12	64	71	81	84	97	114	122	131	147	164	181	197	800	630	500	
1000	3.5	12	64	71	81	84	97	114	122	131	147	164	181	197	800	630	500	
1120	3.7	12	64	71	81	84	97	114	122	131	147	164	181	164	800	630	500	
1250	4.2	14	55	61	69	72	84	98	104	112	127	141	155	169	800	630	500	
1400	4.5	14	55	61	69	72	84	98	104	112	127	141	155	169	800	630	500	
1600	5	15	50	57	64	67	77	90	97	104	117	130	144	157	1000	800	630	
1800	5.4	15	50	57	64	67	77	90	97	104	117	130	144	157	1000	800	630	
2000	6	15	50	57	64	67	77	90	97	104	117	130	144	157	1000	800	630	
2250	6.2	15	50	57	64	67	77	90	97	104	117	130	144	157	1000	800	630	
2500	6.6	15	50	57	64	67	77	90	97	104	117	130	144	157	1250	1000	800	
2800	7	15	50	57	64	67	77	90	97	104	117	130	144	157	1250	1000	800	
3150	7.4	15	50	57	64	67	77	90	97	104	117	130	144	157	1250	1000	800	
3550	8	15	50	57	64	67	77	90	97	104	117	130	144	157	1400	1250	1000	
4000	8.6	15	50	57	64	67	77	90	97	104	117	130	144	157	1400	1250	1000	
4500	9.2	16	46	52	59	65	71	84	90	96	109	121	134	146	1400	1250	1000	
5000	10.4	17	43	48	55	60	66	78	84	90	102	113	125	137	1400	1250	1000	
5400	11	17	43	48	55	60	66	78	84	90	102	113	125	137	1400	1250	1000	
6300	11.6	17	43	48	55	60	66	78	84	90	102	113	125	137	1400	1800	1600	

Truly 'Jointless' Belts.

DYNAMIC's "Truly Jointless belts" are made in endless form without any joints. We have a custom made Specially designed machine for Making Truly Jointless belts.

This belts reduce the joint failures and snapping of belts due to same. Moreover they are already endless so saves time and efforts in installing on site.



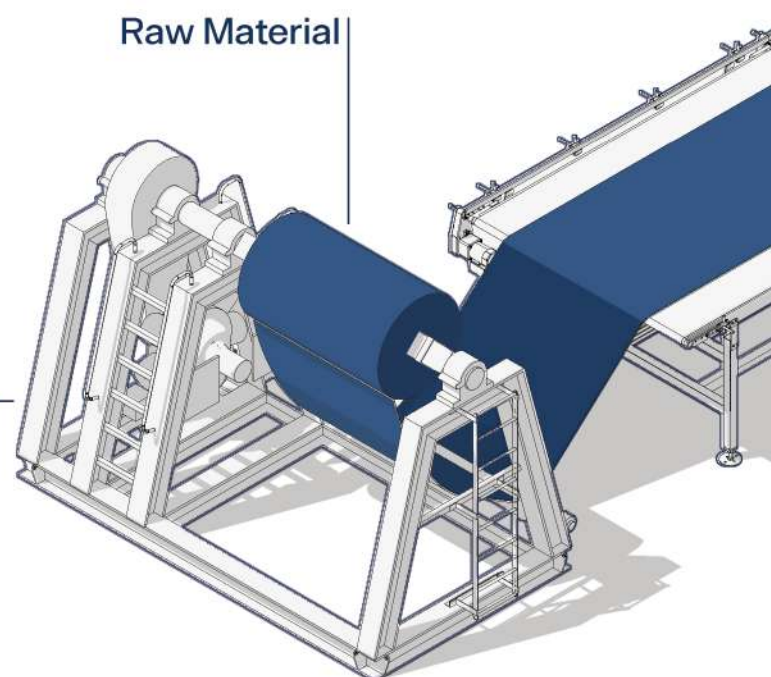
Truly 'Jointless'
Belts

Fig. 5.1. Example of an Jointless Belt

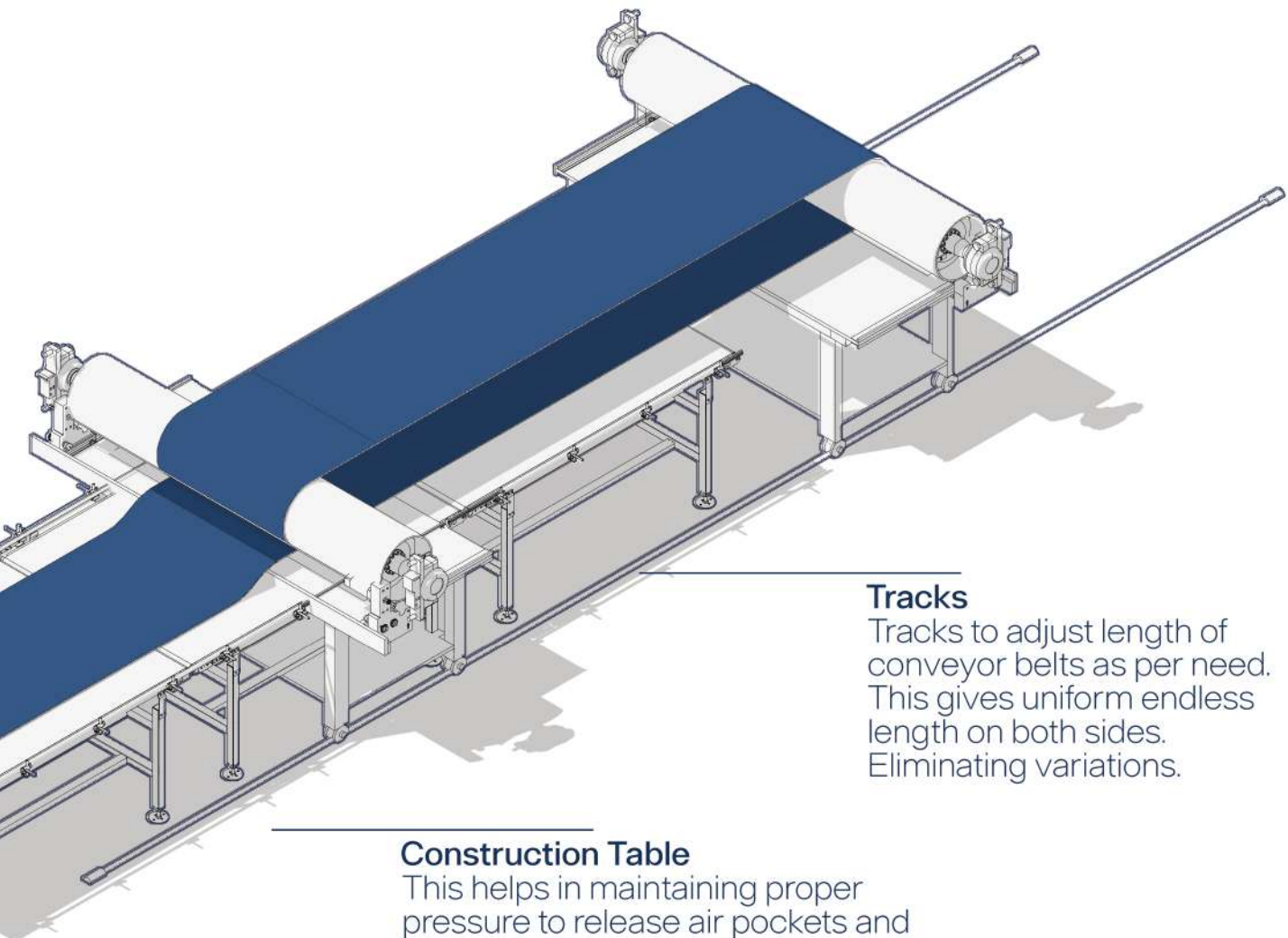
Winder helps in uniform release of plys. Which eventually helps in seamless construction and formation of jointless belts.

Conveyor Plys are placed here for a seamless supply of plys for construction of Truly 'Jointless' Belt.

**Conveyor Belt
Winder & Plys**



- ▶ Longer life, compared to traditional jointed belts.
- ▶ Better for heat and Oil related applications.
- ▶ We offer the same in plain as well as cleated belts.
- ▶ Customisable Cover options, Width and length options available.



Tracks

Tracks to adjust length of conveyor belts as per need. This gives uniform endless length on both sides. Eliminating variations.

Construction Table

This helps in maintaining proper pressure to release air pockets and give proper adhesion.

Table also has tensioning unit which provides for limited elongations post curing.

Packing Unit Belts.

DYNAMIC's Packing Unit Belts are made to handle shocks and jerks of tumbling processes. They are **Truly "Jointless" belts**, thus they last longer and require minimum maintenance. Dynamic provides all types of belts required in the packaging section of Cement, Sugar and other industries.



Truly **'Jointless'**
Belts

**dynamic
rubbers**
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Know more about us www.dynamicrubbers.com



Truly **'Jointless'**
Belts

Bag Diverter Belts

DYNAMIC's Bag Diverter Belts were designed to redirect packed units/bags by means of a high-speed mainline conveyor belt. Bag diverting is an efficient material handling method.



 Cement	 Mining	 Food	 Packing
 Warehouse	 Bagging		

INDUSTRIES _____

- ▶ Bag Diverter Belts redirect packed units/-bags from fast-moving conveyor belts, ensuring system efficiency.
- ▶ The top surface has a specially developed rubber grade with a checkered pattern for safe removal and cushioning upon impact.
- ▶ 1 to 1 replacement with major OEM's spares.

Radial Discharge Belts



Truly **'Jointless'**
Belts

DYNAMIC's Radial Discharge Belts are employed in packaging and loading departments for a variety of industries because they can efficiently stack bulk materials such as limestone, ores, sand, wood chips and efficiently stack packed bag or bulk material lime stone, order sand and wood chips



 Cement	 Packing	 Bagging	 Sugar
 Power	 Recycling	 Chemical	

INDUSTRIES _____

- ▶ Available in abrasion resistance and other covers.
- ▶ 1 to 1 replacement with major OEM's spares.

Wagon Loaders And Telescopic Conveyors



Wagon loading machine is one of the most crucial machine in cement industry's packing unit. The work load on this is too high and any break down leads to huge monetary loss as well execution delays.



Cement	Mining	Food	Packing
Warehouse	Bagging	Sugar	Ginning

INDUSTRIES

- ▶ The belts here operate at extreme high speed and face jerk load.
- ▶ Specially designed Truly endless belts give extra long life.
- ▶ 1 to 1 replacement with major OEM's spares.

Weigh Feeder Belts



Processing industries use lot many small conveyor belts in weigh feeders. These belts especially Heat Resistant once used in Carrying clinker or coal are prone to joint failures.



We manufacture these belts in Truly endless form which gives :-

- ▶ Long service life.
- ▶ Equal weight per Meter.

WIDTH - 400MM TO 2600MM.

PLY /COVER - AS PER REQUIREMENT.

GRADE - M-24, HR/SHRT2/UHR/ OR HR / FR

LENGTH - AS PER REQUIREMENT.

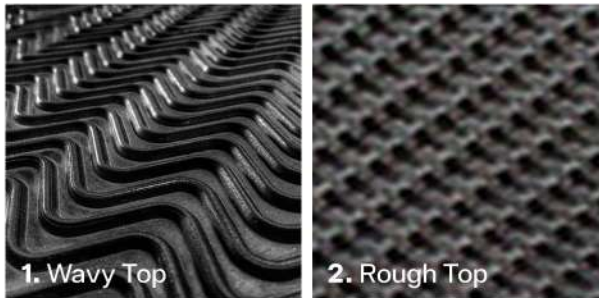


Truly **Jointless**
Belts

Wavy & Rough Top Belts

The friction coefficient of DYNAMIC's **Wavy Top Belts** is excellent. Wavy Top Belts are designed to ensure that the item being transported does not slip or roll back.

INDUSTRIES

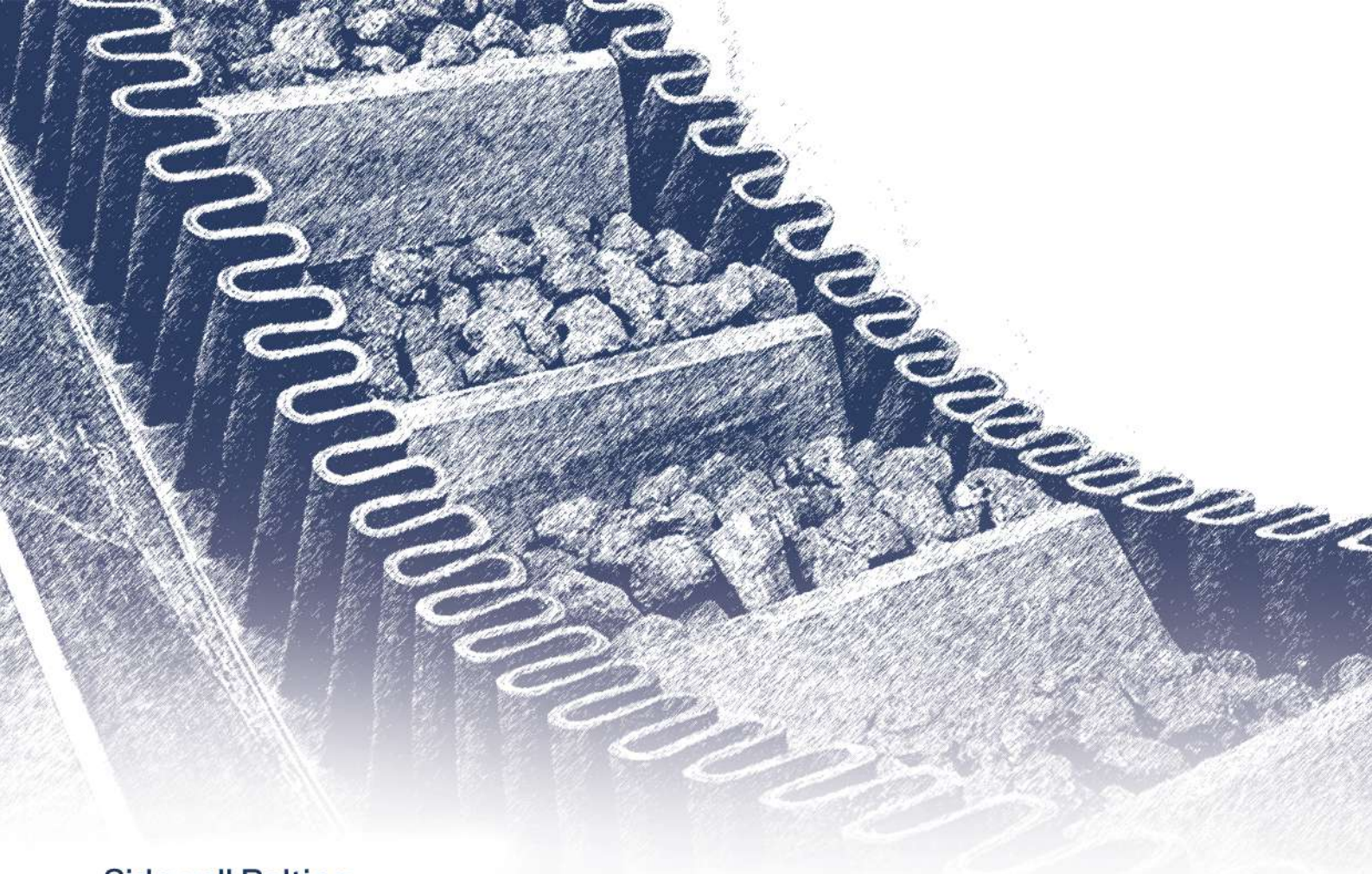


On level or sloping surfaces, DYNAMIC's **Rough Top Belts** assist in transporting lightweight products such as cartons, paper, glass, packed goods, and so on.

▶ Consistent thickness and strength throughout their entire surface.

- ▶ Suitable for lightweight commodity transportation on flat or inclined surfaces & can be driven across small pulley diameters and achieve faster movement rates.
- ▶ Top Belts have a ridged rubber top surface for high friction coefficient.
- ▶ They are made of either bareback fabric or normal rubber back.
- ▶ The ridges prevent material from slipping or rolling back.

SL.	SPECIFICATION	DESCRIPTION
1.	STANDARD WIDTHS	400-3000 MM
2.	NO. OF PLY'S	2 PLY TO 5 PLY
3.	TYPE OF FABRIC	NN / EP / EE
4.	COVER THICKNESS	MIN 3 MM TOP AND 1.5 MM BOTTOM OR BARE BACK
5.	COVER GRADES	M-24, DIN-X, Y, HAR, SAR, HR, OR GRADES & COMBINATIONS AVAILABLE ON REQUEST.
6.	EDGE	CUT EDGE OR MOLDED EDGE
7.	COMMON BELT RATING	200 TO 800 KN/M
8.	STANDARD PACKING	WRAPPING IN HDPE SHEETS WITH STRAPPING. (WOODEN CRATE / METAL CRATE PACKING IS AVAILABLE ON REQUEST)
9.	IDENTIFICATION	UNIQUE BELT NUMBER ENGRAVED ON THE BELT



Sidewall Belting.

Sidewall or Steep Incline Belts

DYNAMIC's Sidewall Belts are designed to transport material at an angle up to 90 degrees while being retained between the cleats and the sidewall to avoid spillage.

▶ **Integrated Sidewall Conveyor Belts:** Installed in India in 2019, ideal for high-incline and space-constrained environments.

▶ **Efficient material delivery:** Capable of conveying materials at up to 90 degrees, preventing spillage with secure cleat and sidewall retention.

▶ **Hot vulcanization for durability:** Enhanced belt performance and longevity compared to cold jointed belts.



▶ **Optimize plant performance:** Dynamic Rubbers' Sidewall Conveyor Belts offer worry-free operation, minimizing sidewall and cleat damage concerns.

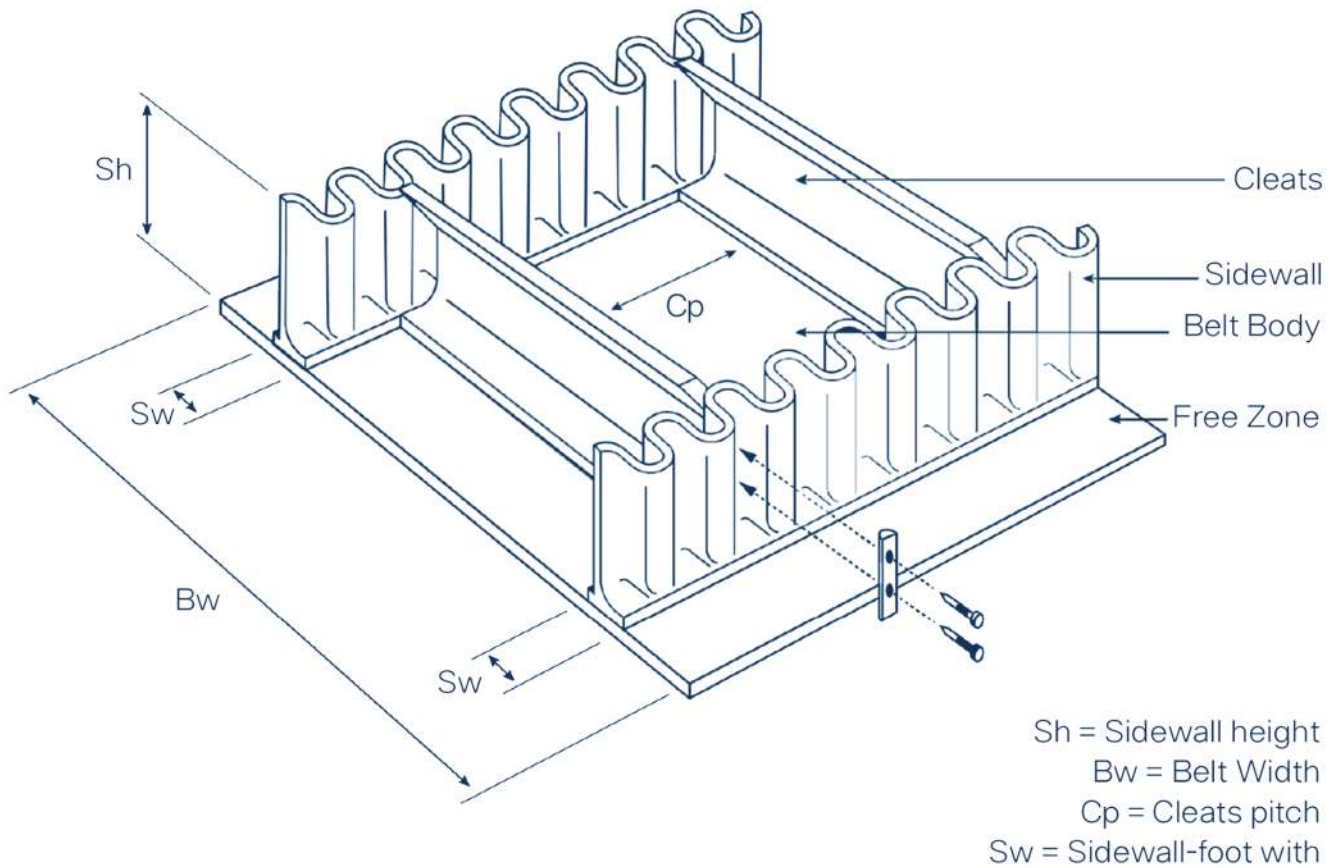
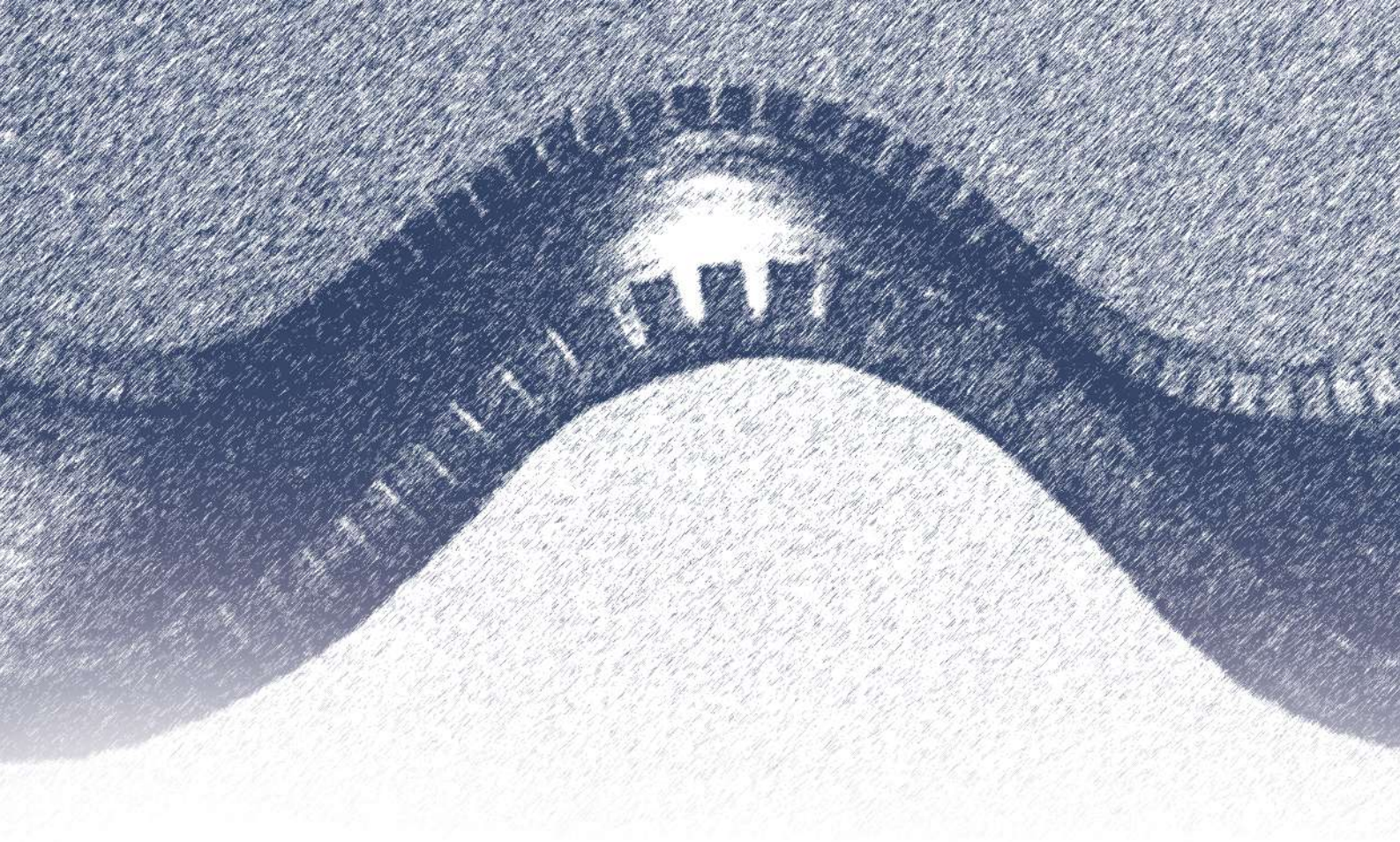


Fig. Anatomy of a sidewall belt.

SL.	SPECIFICATION	DESCRIPTION
1.	STANDARD WIDTHS	600 MM TO 2400 MM
2.	CLEAT & SIDEWALL HEIGHT	50 MM TO 600 MM
3.	NO. OF PLY'S	2 PLY TO 6 PLY
4.	TYPE OF FABRIC	NN / EP / EE
5.	COVER THICKNESS	MIN 3 MM TOP AND 1.5 MM BOTTOM OR BARE BACK
6.	COVER GRADES	M-24, DIN-X, Y, HAR, SAR, HR, OR GRADES & COMBINATIONS AVAILABLE ON REQUEST.
7.	EDGE	CUT EDGE OR MOLDED EDGE
8.	COMMON BELT RATING	200 TO 800 KN/M
9.	STANDARD PACKING	WRAPPING IN HDPE SHEETS WITH STRAPPING. (WOODEN CRATE / METAL CRATE PACKING IS AVAILABLE ON REQUEST)
10.	IDENTIFICATION	UNIQUE BELT NUMBER ENGRAVED ON THE BELT



Coal Feeder // Gravimetric Feeder Belts

DYNAMIC's Coal Feeders or Gravimetric Feeder Belts are employed in Thermal Power Plants and Coal Handling Plants. These belts come with Collars or sidewalls to limit or avoid spillage of material.

- ▶ **Uniform weight** : Belts weight and thickness is uniform throughout for proper feeding of coal.
- ▶ **Integrally moulded** : The kerbs / Side wall / Flange, Tracking guide / V guide are all integrally moulded and manufactured as one belt together which gives extra long life.
- ▶ **Customisation** : We can provide RC feeder belts in various width and designs.



Power

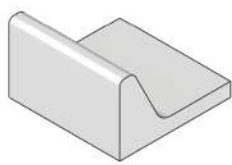


Coal

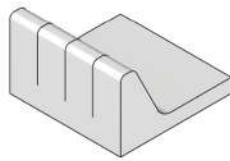


Mining

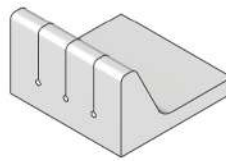
INDUSTRIES



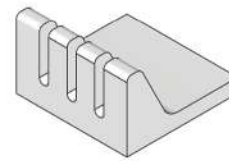
Solid.



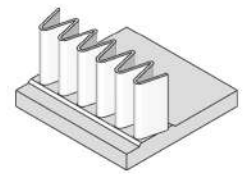
Siped.



Drilled & Siped



Notched.



Corrugated Sidewall.

SL.	SPECIFICATION	DESCRIPTION
1	STANDARD WIDTHS	STANDARD 24 INCH BELTS FOR GRAVIMETRIC FEEDER = 838 MM STANDARD 36 INCH BELTS FOR GRAVIMETRIC FEEDER = 1168 MM STANDARD 48 INCH BELTS FOR GRAVIMETRIC FEEDER = 1219 MM
2	DESIGN	COLLARED, SIDEWALL AND BOTTOM V GUIDE
3	NO. OF PLY'S	1 PLY TO 5 PLY OR AS PER REQUIREMENT
4	COVER THICKNESS	TOP COVER: UP TO 5MM, BOTTOM COVER : UP TO 3 MM
5	COVER GRADES	M-24, SHRT2, FR GRADES & COMBINATIONS AVAILABLE ON REQUEST.
6	JOINTS	TRULY ENDLESS/MECHANICAL JOINTS. OPEN ROLLS ALSO AVAILABLE (UPON REQUIRED)
7	STRENGTH	AS PER REQUIREMENT
8	STANDARD PACKING	WRAPPING IN HDPE SHEETS WITH STRAPPING. (WOODEN CRATE / METAL CRATE PACKING IS AVAILABLE ON REQUEST)
9	IDENTIFICATION	UNIQUE BELT NUMBER ENGRAVED ON THE BELT



Tumble blasting Belts

DYNAMIC's Tumble Blast Conveyor Belts are developed for the purpose of shot blasting, a crucial activity in industrial processes. The articles/units are struck with fine metal grits by high-pressure blasting equipment

- ▶ **High-speed contact:** Tumble blasting requires belts with excellent abrasion resistance and ability to withstand jerk loads.
- ▶ **Special chemical:** Extends belt life, designed for Tumble blasting industry OEMs.
- ▶ **Custom-made:** Belts engineered to OEM specifications for high-performance outcomes in shot blasting.
- ▶ **Conveyor belt sandblasting:** Parts tumble on custom-made belts for effective shot blasting processes.



Steel



Port



Road
Construction

INDUSTRIES

Shot Blasting Belts are usually supplied as Truly 'Jointless' Belt which helps:

- ▶ To have maximum uniformity of thickness and strength all over the surface.
- ▶ To run over narrow pulley diameter (even lower than 100mm)
- ▶ To run at a higher speed (as high as 25 m/sec.)
- ▶ To restrict elongation (up to 1.0%) at ref. load.

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Square



Staggered

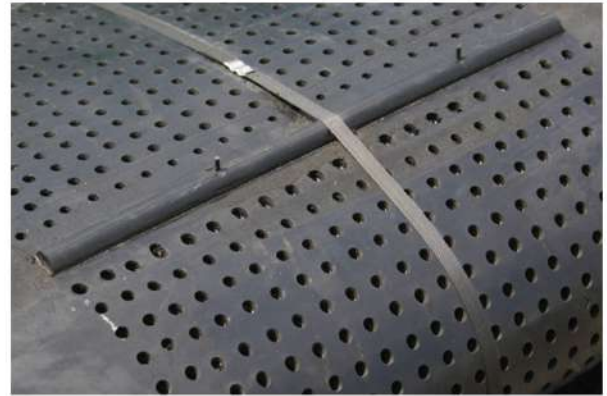


fig. 9.1. Tumble Blasting Belt.

Salient Features:

- ▶ Excellent abrasion resistance.
- ▶ Good Resistance to Heat.
- ▶ Excellent Resistance to High Impacts of grits.
- ▶ Made with special guiding ribs to sustain longitudinal & transverse impulses during the tumbling process.
- ▶ Made with a special Jointless design for longer life.

SL.	SPECIFICATION	DESCRIPTION
1	STANDARD WIDTHS	UPTO 2200 MM
2	DESIGN	INTEGRALLY MOLDED RIBS, EVEN HOLES ACROSS THE BELT AND BOTTOM V GUIDE FOR ALIGNMENT
3	NO. OF PLY'S	1 PLY TO 6 PLY OR AS PER REQUIREMENT
4	COVER THICKNESS	TOP COVER: UP TO 10 MM, BOTTOM COVER : UP TO 5 MM
5	COVER GRADES	M-24, SHRT2, FR GRADES & COMBINATIONS AVAILABLE ON REQUEST.
6	JOINTS	TRULY ENDLESS/MECHANICAL JOINTS. OPEN ROLLS ALSO AVAILABLE (UPON REQUIREMENT)
7	STRENGTH	AS PER REQUIREMENT
8	STANDARD PACKING	WRAPPING IN HDPE SHEETS WITH STRAPPING. (WOODEN CRATE / METAL CRATE PACKING IS AVAILABLE ON REQUEST)
9	IDENTIFICATION	UNIQUE BELT NUMBER ENGRAVED ON THE BELT

Bucket Elevator Belts

Bucket elevator belts feature bolt holes spanning the entire length for bucket attachment. Designed to handle the buckets' weight and pulling force, they require carcasses mainly made from polyester fabric to address tear and bending issues. For increased strength, steel cord is employed in high-power belt applications.

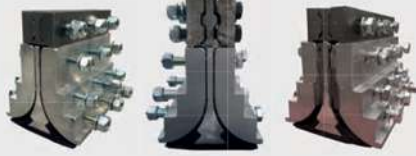


- ▶ **Steel Elevator Belts** : DYNAMIC's elevator belts have a steel carcass with strong steel cord warp, balancing low elongation and flexibility for easy alignment. Cable elasticity permits smaller pulley use, meeting clamp and bucket demands.
- ▶ **Textile Elevator Belts** : These belts are exclusively intended for bucket elevator plants. The distinctive construction of reinforced polyester-nylon fabrics ensures their applicability even under demanding loading conditions.
- ▶ **High pull-out resistance of fixing screws.**
- ▶ **Very low elongation at reference load.**
- ▶ **Also possible with transverse reinforcement.**
- ▶ **Rubber cover possible with cured in grooves/holes for fixing metal boards.**
- ▶ **Belt damages arising from fabric destruction are limited.**

1. Steel cord elevator belt
2. Elevator buckets
3. Elevator bolts
4. Solid elevator belt fastener
5. Drive pulley
6. Return pulley
7. Pulley lagging
8. Junction box large
9. Junction box small
10. Belt misalignment monitoring
11. Speed monitoring system
12. Product level sensor



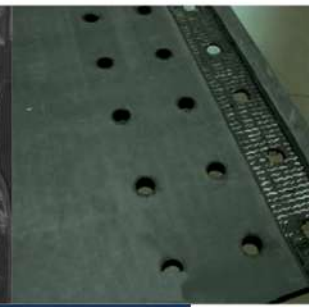
Fig. 101. Components of Belt Bucket Elevators



for gross belt strength
630 up to 2000 N/mm
with single steel
vice-part.

for gross belt strength
2500 up to 2750
N/mm
with double steel
vice-part.

for gross belt strength
3000 up to 4000
N/mm
with triple steel
vice-part.

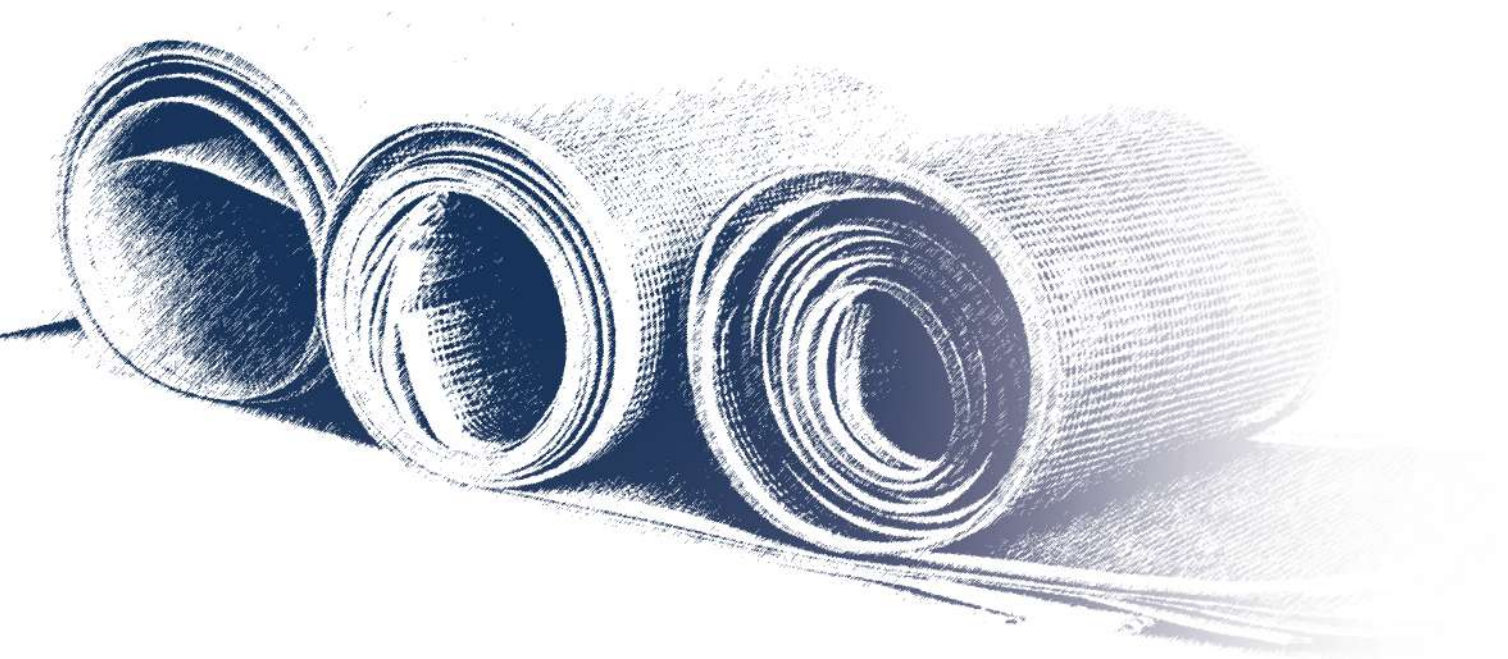


SPECIFICATION	TYPICAL COVER RUBBER THICKNESS	MINIMUM PULLEY DIAMETER (mm)			
		4 (Ply)	5 (Ply)	6 (Ply)	7 (Ply)
EP 315	-	500	-	-	-
EP 400	-	650	600	-	-
EP 500	-	650	750	850	-
EP 630	2.0 x 2.0	700	800	950	1000
EP 800	-	800	850	1000	1150
EP 1000	-	850	1000	1000	1200
EP 1250	-	900	1050	1200	1400
EP 1500	-	1050	1100	1300	1400

TECHNICAL SPECIFICATIONS - BELT CARCASS CONSTRUCTION				
Strength	Warp cords	Pitch	Warp cords	Pitch
DRST630	Ø 2.00 mm	4.63 mm	Ø 2.00 mm	4.63 mm
DRST800	Ø 2.85 mm	6.67 mm	Ø 2.85 mm	6.67 mm
DRST1000	Ø 2.85 mm	5.38 mm	Ø 2.85 mm	5.38 mm
DRST1250	Ø 3.90 mm	7.04 mm	Ø 3.90 mm	7.04 mm
DRST1400	Ø 3.90 mm	6.25 mm	Ø 3.90 mm	6.25 mm
DRST1600	Ø 3.90 mm	6.25 mm	Ø 3.90 mm	6.25 mm
DRST1800	Ø 3.90 mm	5.00 mm	Ø 3.90 mm	5.00 mm
DRST2000	Ø 3.90 mm	4.65 mm	Ø 3.90 mm	4.65 mm
DRST2500	Ø 4.35 mm	6.33 mm	Ø 4.35 mm	6.33 mm
DRST2750	Ø 4.35 mm	5.71 mm	Ø 4.35 mm	5.71 mm

Coated Fabrics

DYNAMIC manufactures a range of coated fabric for varied applications ranging from abrasion resistance to heat and chemical resistance.



Coated Fabric

DYNAMIC offers multiple types of products for every kind of usage in a variety of industries. Our coated fabrics are UV stabilized and are waterproof, fire, weather, abrasion, and wear and tear-resistant. These are easy to use, install, and maintain, and are made of high-tenacity polyester yarn with a special PVC composition.

- ▶ **Coated fabrics:** Bonding agents and rubber compounds on fabric substrate create flexible, durable, and washable products.
- ▶ **Electrical conductivity and resistance:** Coatings offer weather, oil, temperature resistance, limited penetration.
- ▶ **Solvent-based coating:** Provides superior adhesion, enabling large-scale manufacturing, constant quality, and timely delivery.
- ▶ **Thorough testing and equipped lab:** All fabrics meet customer requirements and highest quality standards with comprehensive testing methods.



Fig. 11.1 Coated Fabrics

SL.	SPECIFICATION	DESCRIPTION
1	TYPES	BARRIER PROTECTION, ABRASION RESISTANCE, AIR RETENTION AND HIGH STRENGTH TO WEIGHT RATIOS, FLEX RESISTANCE AND RESISTANCE TO CHEMICAL GASES AND FUELS.
2	COAT	ARAMIDS, COTTON, GLASS FIBRE, NYLON, POLYESTER AND SILICON FIBRE
3	STANDARD PACKING	CHLOROBUTYL, EPDM, FLUOROELASTOMER, HYPALON, NATURAL RUBBER, NEOPRENE, NITRILE, SILICONE, URETHANE, UP AND PVC
THICKNESS		0.3MM TO 1.5MM
WIDTH		1.0 METERS TO 1.5 METERS
LENGTH		100 METERS



Conveyor Accessories.

Idler Roller and Pulleys

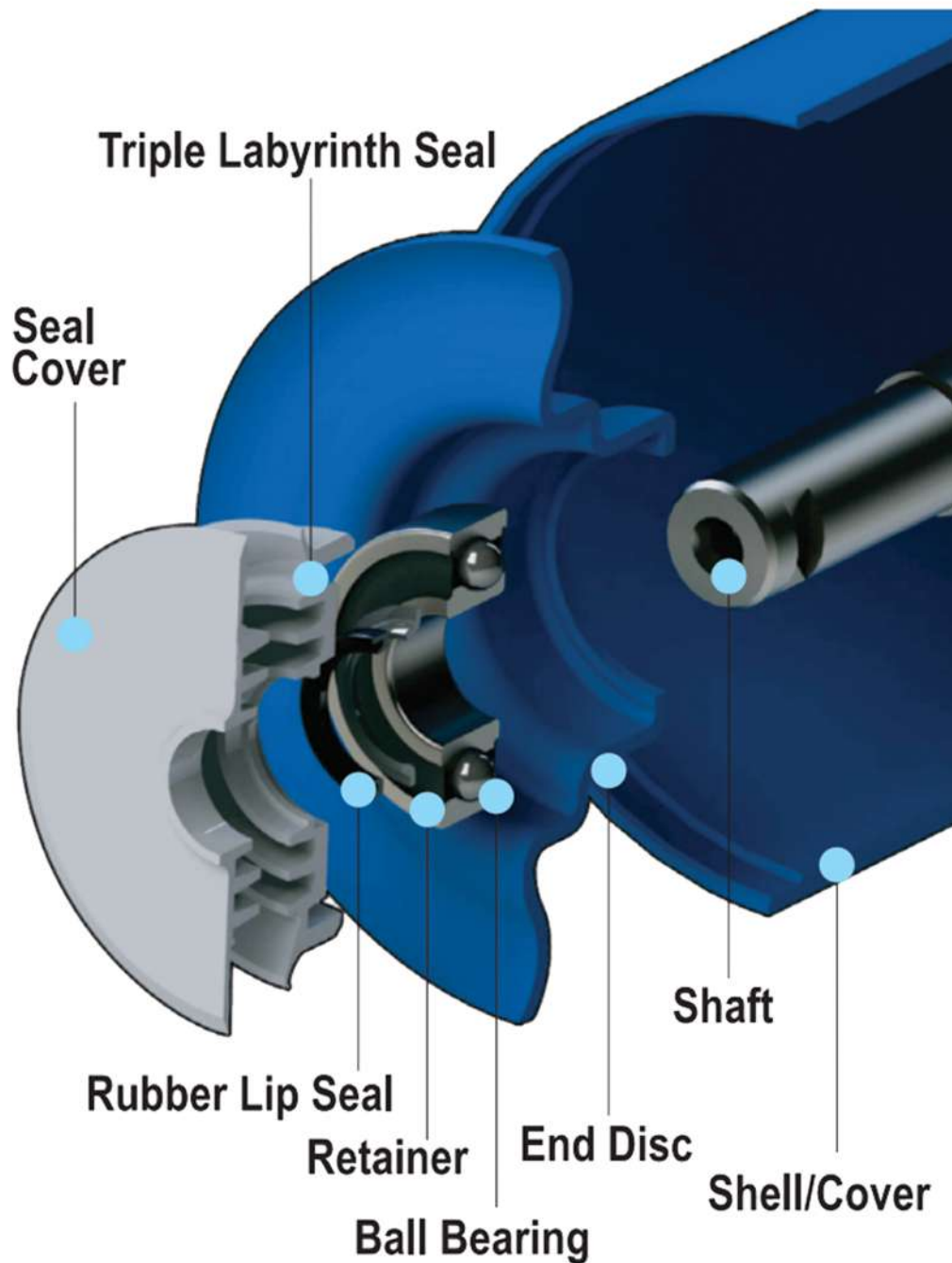
DYNAMIC offers a comprehensive array of idlers, pulleys, and frames tailored to diverse needs. Both fixed frame type and garland (festoon) variants are crafted. A wide range of idlers encompasses carrying, return, troughing, training, impact, transition, and pipe conveyor rollers. Besides standard options, DYNAMIC crafts specialized idlers like non-magnetic, weighing, vibration-free garland for machinery, live shaft, and rubber-lined for corrosive settings. Picking table idlers are also available. Our offerings encompass varied idler solutions to cater to specific demands across industries.

Reliability Starts with a great Product

- ▶ Sealed for life ball bearings.
- ▶ Triple Labyrinth Seal.
- ▶ Product line offering of 18" - 96" belt widths.
- ▶ Extremely low rolling resistance ie. lowest operator cost.
- ▶ Drop-In replacement rolls for all major competitors.
- ▶ We Supply Idlers & upto the width of 2400 MM

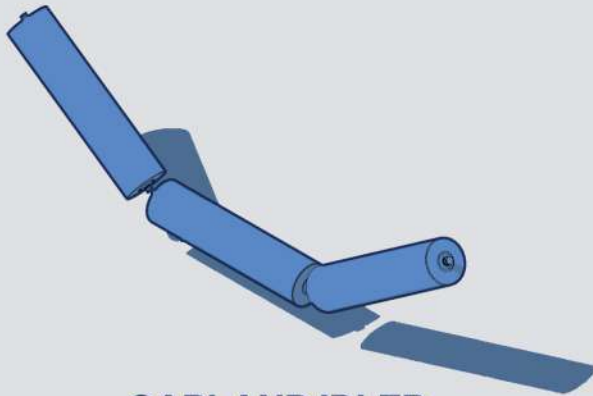
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Seal Guard Design for long life.

- ▶ **External Shield** deters impurities from entering the bearing housing.
- ▶ **Flinger Design** removes contaminants away from the bearing housing by centrifugal force.
- ▶ **Triple Labyrinth Seal** design is grease filled that results in lower drag and keeps contaminants away from the bearing.

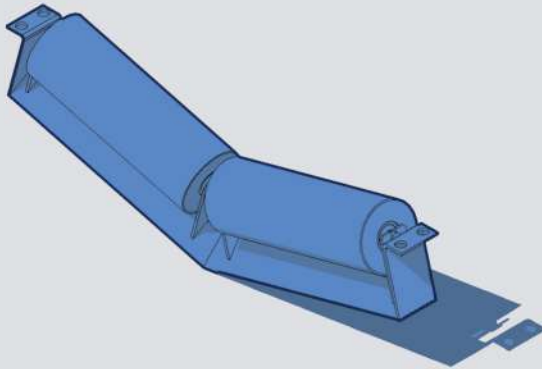


GARLAND IDLER

Light and Economical with increased carrying capacity.

No training idlers required.

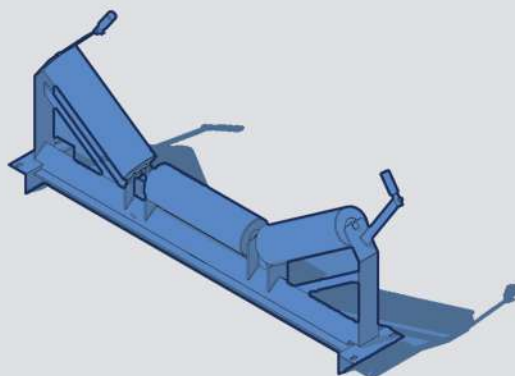
DYNAMIC's garland idlers offer longer belt life and reduced equipment damage from impact loads.



V-RETURN IDLERS

Aligning high-tension fabric or cable belts can pose challenges.

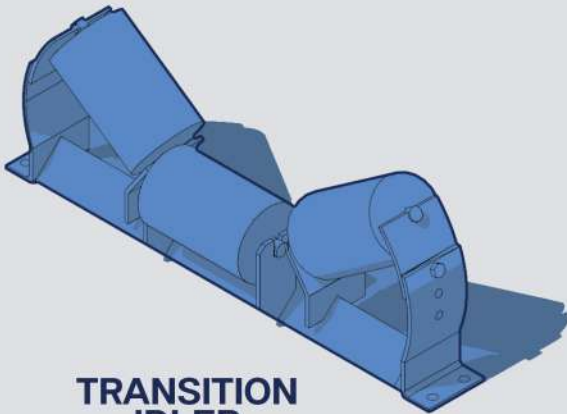
DYNAMIC's v-return idlers offer improved belt tracking and extended lifespan compared to flat returns. They feature a V-shaped profile with two rolls at either 10° or 15° angles.



SELF-TRAINING IDLERS

When conveyor belts deviate, material spillage can happen. Placing self-training idlers strategically ensures proper belt alignment.

DYNAMIC's self-trainers resemble troughing idlers, pivoting at the center and guided by edge rollers to align the belt.

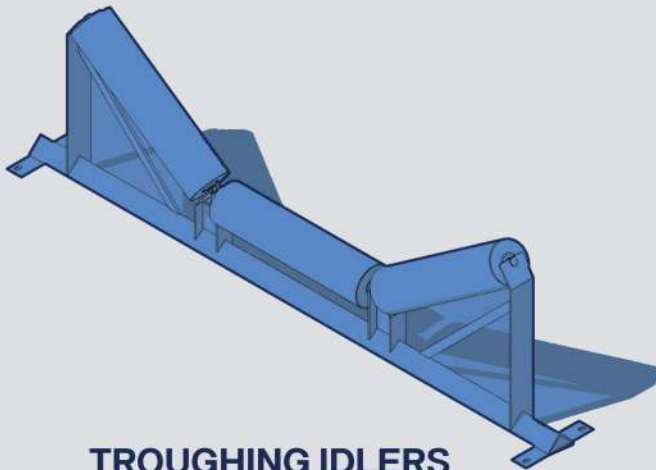


TRANSITION IDLER

Enhanced Tension Management:

Transition idlers optimize tension near head and tail pulleys by adjusting troughing angle from 0 to 45 degrees.

Optimal Belt Shape: These idlers create the right belt shape for efficient material transport, aiding tension distribution.

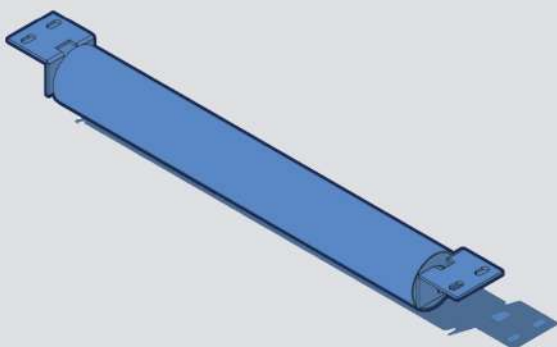


TROUGHING IDLERS

Troughers are commonly utilized idlers on the conveyor's carry side.

Enhancing their lifespan can pose difficulties. Our tested seal design and low-maintenance rollers minimize downtime and boost profits.

DYNAMIC's troughing idlers are available in angles of 20°, 35°, and 45°, meeting CEMA dimensional standards.

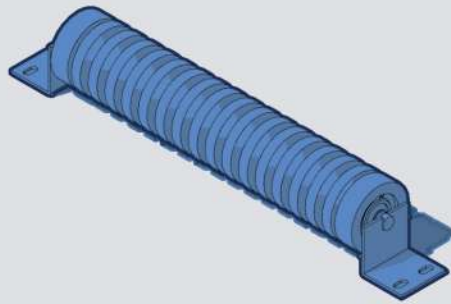


FLAT RETURN IDLERS

On the conveyor's return side, the flat return idler is commonly employed.

DYNAMIC's flat return idlers provide belt support, preventing stretching, sagging, and potential failure.

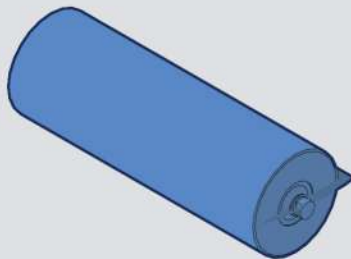
Comprising a solitary steel roll, these idlers are affixed to two drop brackets.



**RUBBER DISC FLAT
IMPACT ROLLER**

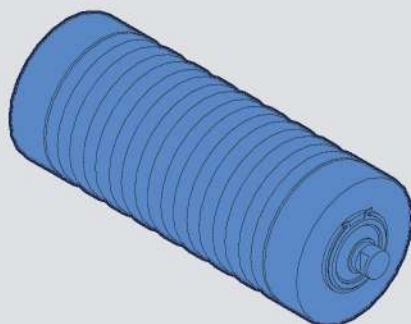
Versatile Usage: **DYNAMIC's** Rubber Disc Impact Rollers find widespread application in diverse industries and mining systems.

Effective Shock Absorption: These rollers support the belt, absorbing shock impact and dynamic forces from falling products.



PRESSURE ROLLER

DYNAMIC'S Pressure roller can be used in multiple ways, from keeping the belt's height in check to using it just as a medium to create pressure on passing material or for warehouse conveyors.

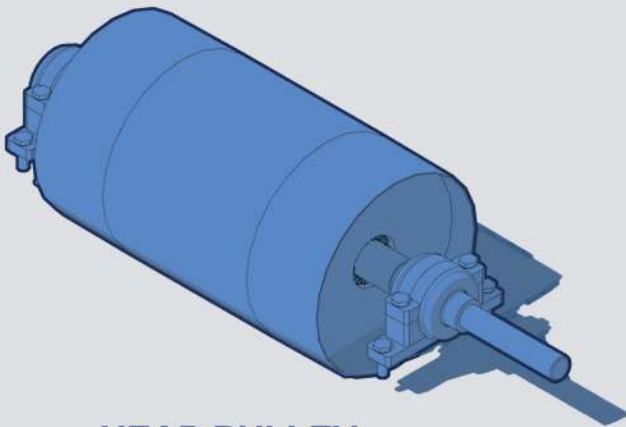


**IMPACT IDLER WITH
RUBBER RINGS**

A significant challenge in sticky material applications is the removal of adhered material from the belt.

DYNAMIC's rubber disc returns assist by removing carryback.

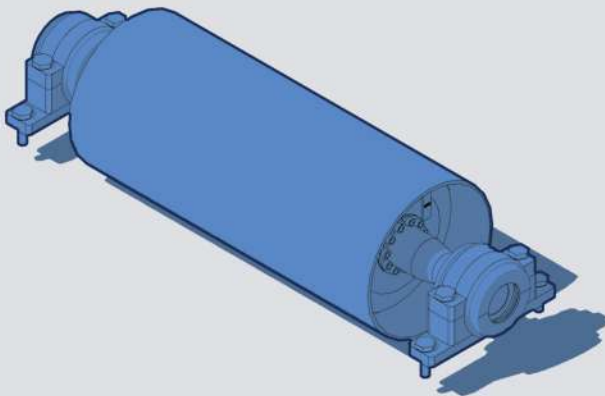
The rubber disc return idlers resemble flat returns, but feature strategically positioned rubber discs along the roll instead of a steel shell.



HEAD PULLEY

The drive pulley (Head Pulley) transmits power, categorized into light, medium, and heavy duty based on carrying capacity.

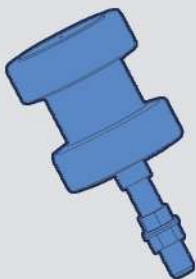
Drive pulleys vary in axle diameter and central span for the same diameter configuration.



TAIL PULLEY

The tail pulley enables the belt to rotate freely around the conveyor ends, typically with bearings on its inside or ends.

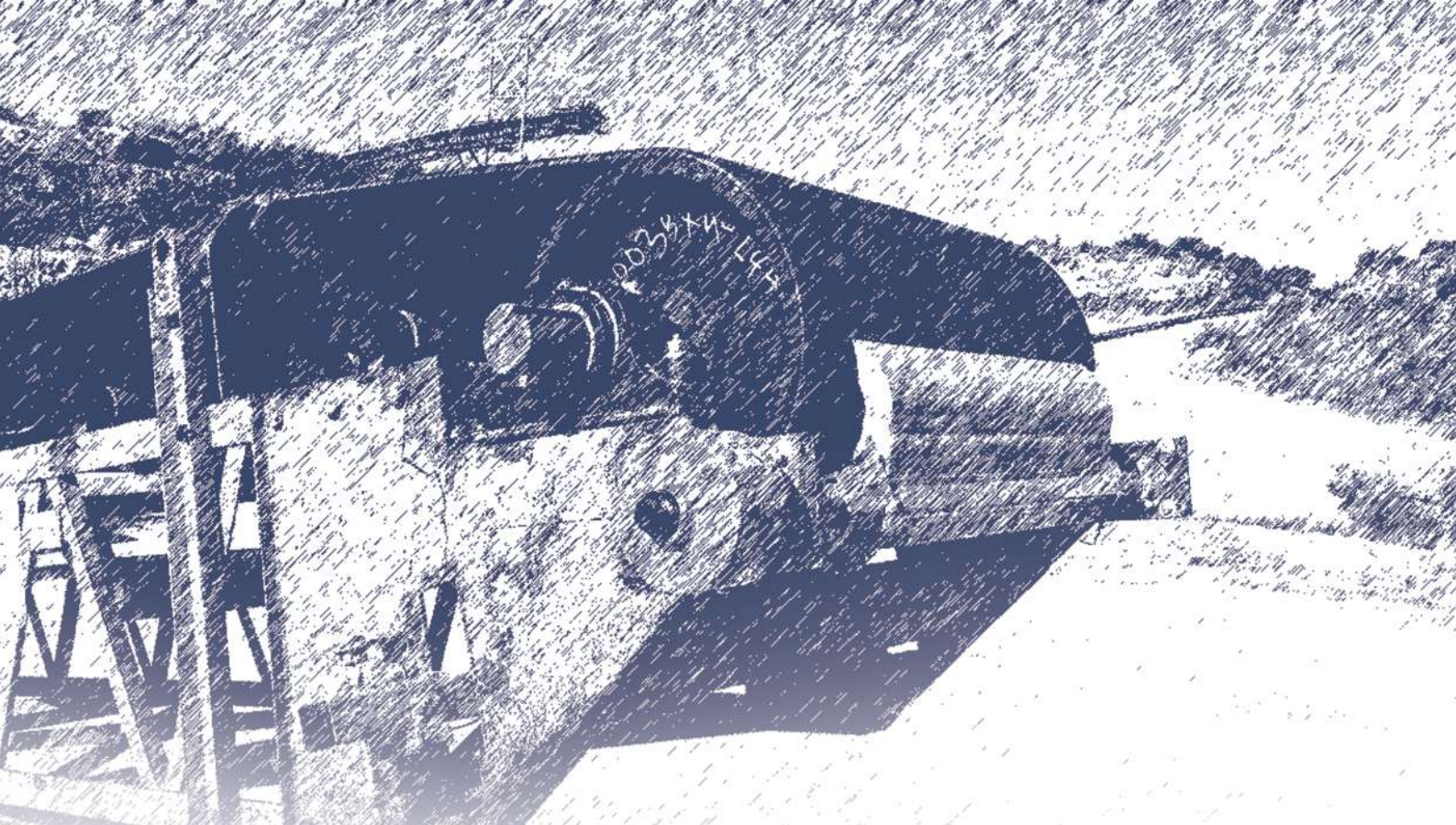
DYNAMIC's tail pulley is a pivotal part of the belt conveyor system.



GUIDE ROLLER

DYNAMIC's Guide Rollers ensure smooth motion, maintaining consistent linear path along guides or rails for safe load transport.

Guide rollers (conveyor side guides) aid in belt alignment, preventing drift and potential conveyor system damage.



Conveyor Accessories.

Belt Scrapers.

Dynamic Rubbers, a renowned manufacturer of engineered belt cleaning systems, has revolutionized the field with its innovative principles that introduce a fresh approach to cleaning elements in belts.

▶ **DRPL Belt Scraper:** Cost-effective solution for bulk material handling belt conveyors.

▶ **Prevent material carryback, minimize spillage:** Maintain clean belts, reduce maintenance and downtime.

▶ **Prevent buildup on snub pulleys, return idlers:** Improve operational efficiency.

▶ **Segmented type with rubberized elastomounts:** Self-adjusting, multi-tip for efficient belt cleaning.



Cement



Mining



Agriculture



Power



Fertilizer



Sugar



Warehouse



Transshipment

INDUSTRIES

- ▶ Highly abrasion-resistant blades for all types of material conveyed.
- ▶ Suitable for all belt widths and speeds.
- ▶ Excellent durability.
- ▶ Low space requirements due to the compact design.
- ▶ Suitable for reversible operation.
- ▶ Increased conveyor operation efficiency.
- ▶ Longer belt life.
- ▶ Nil material wastage.
- ▶ Results in a good environment.

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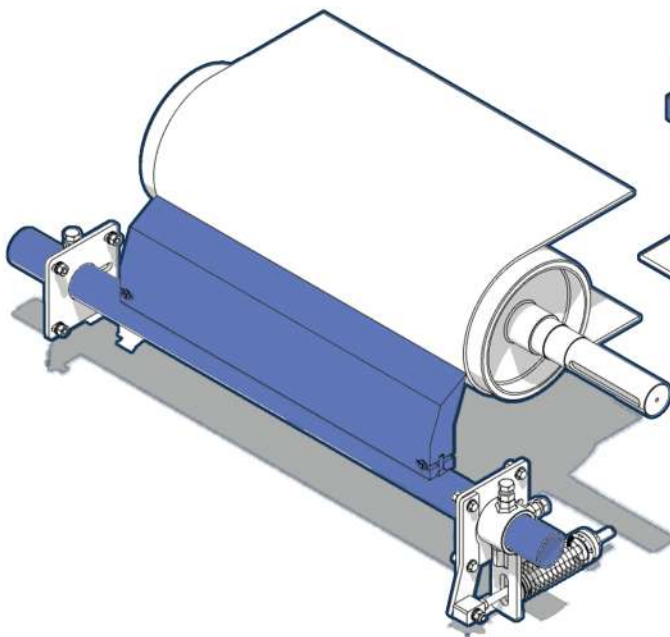
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External Scraper

External conveyor belt scrapers are usually split into two different purposes: primary and secondary.

PRIMARY SCRAPER

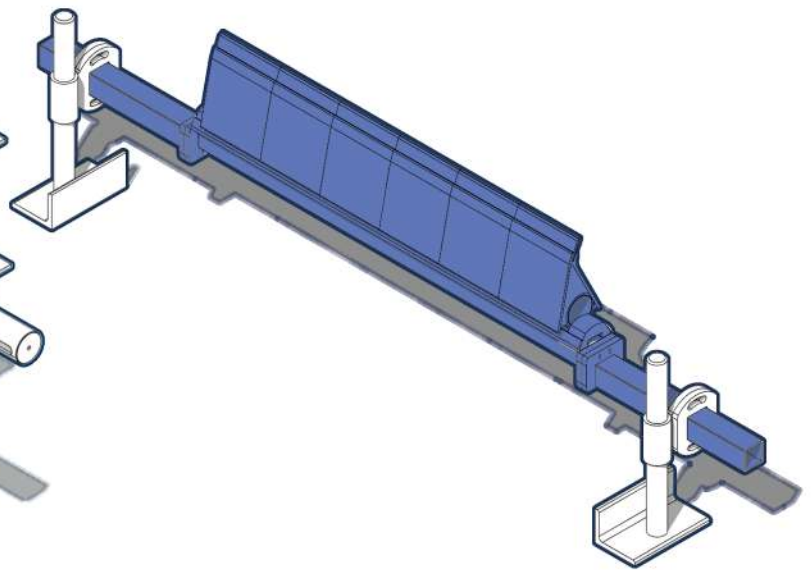
As the name suggests, the primary scraper is the first scraper in the system and is usually responsible for the majority of the cleaning.



- ▶ Functions as a pre-scraper for external belt cleaning.
- ▶ Efficiently halts and eliminates coarse, lumpy materials.
- ▶ Essential for wet, sticky material handling scenarios.
- ▶ Primary Belt Scraper's cleaning edge set at 0 to 15 degrees on head pulley.
- ▶ Offers Lead Edge Cleaner Tips in Polyurethane, Tungsten Carbide, Tool Steel, or Stainless Steel based on application.

SECONDARY SCRAPER

The secondary scraper aids the primary scraper, offering extra cleaning for persistent material adherence beyond the primary scraper's capacity.



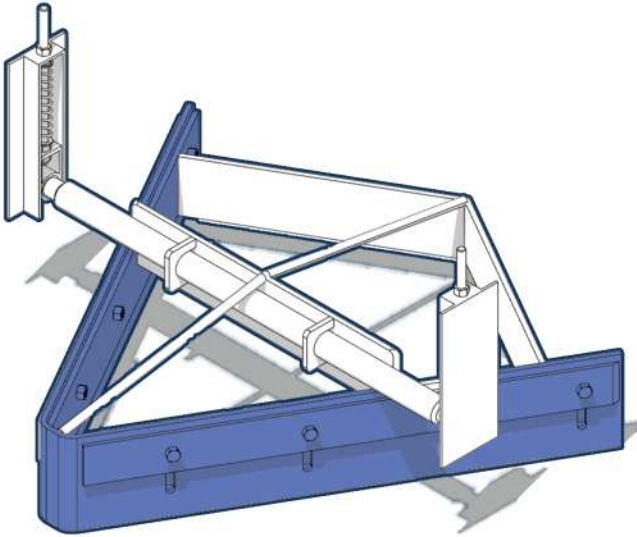
- ▶ Functions as secondary external side scraper for thorough cleaning.
- ▶ Positioned post Tangential Take off point, between head and snub pulley.
- ▶ Vital for effective cleaning with wet, sticky material handling.
- ▶ Lead Edge Cleaner Tips available in Tungsten Carbide, Tool Steel, or Stainless Steel as needed.
- ▶ Designed for uni-directional conveyors.

Internal Scraper

DYNAMIC, a renowned manufacturer of engineered belt cleaning systems, has revolutionized the field with its innovative principles that introduce a fresh approach to cleaning elements in belts.

'V' PLOUGH INTERNAL SCRAPER

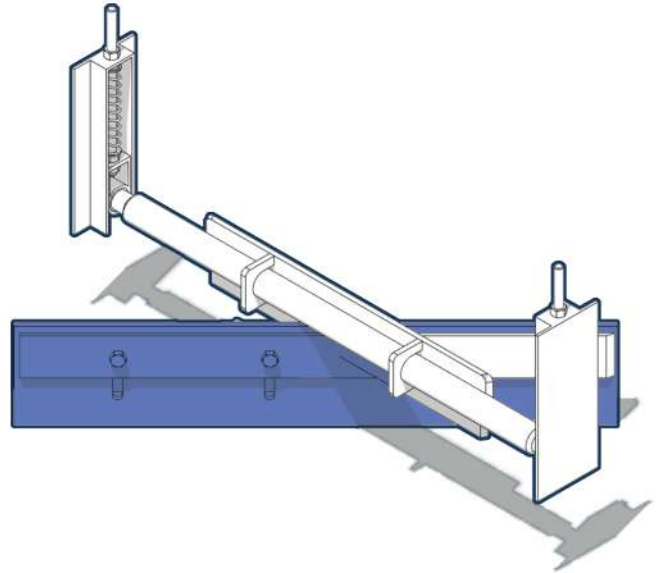
The 'V' plough internal scraper is a type of conveyor belt cleaning system designed to remove material that adheres to the inner surface of the belt, using a plough-shaped mechanism.



- ▶ Prevents material from entering between belt and tail pulley, ensuring internal belt cleanliness
- ▶ Positioned on the inner side near the Tail pulley, offering complete pulley and belt protection.
- ▶ Utilizes segmented cleaner blocks of polymer, rubber, or polyurethane, tailored to the application.
- ▶ Designed for unidirectional belts, employing a V plough configuration.

'D' PLOUGH INTERNAL SCRAPER

A type of conveyor belt cleaning device that uses a plough-shaped mechanism to remove material that adheres to the inner surface of the belt, typically in a 'D' configuration.

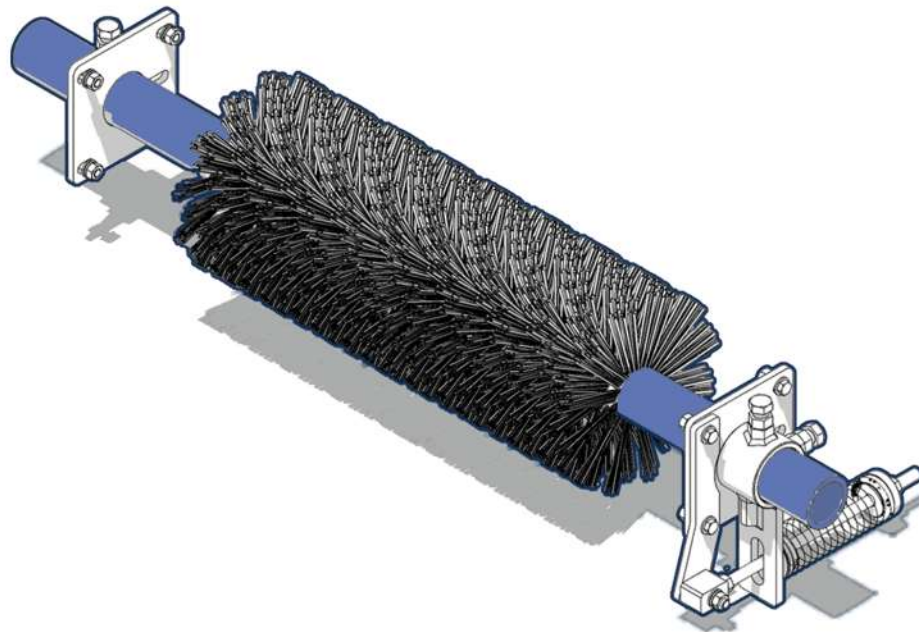


- ▶ Employed to internally clean belts, preventing debris between belt and tail pulley.
- ▶ Positioned near Tail pulley inside belt, providing complete pulley and belt safeguarding.
- ▶ Utilizes segmented cleaner blocks of polymer, rubber, or polyurethane, based on application.
- ▶ Suited for reversible belts, utilizing a D plow configuration.

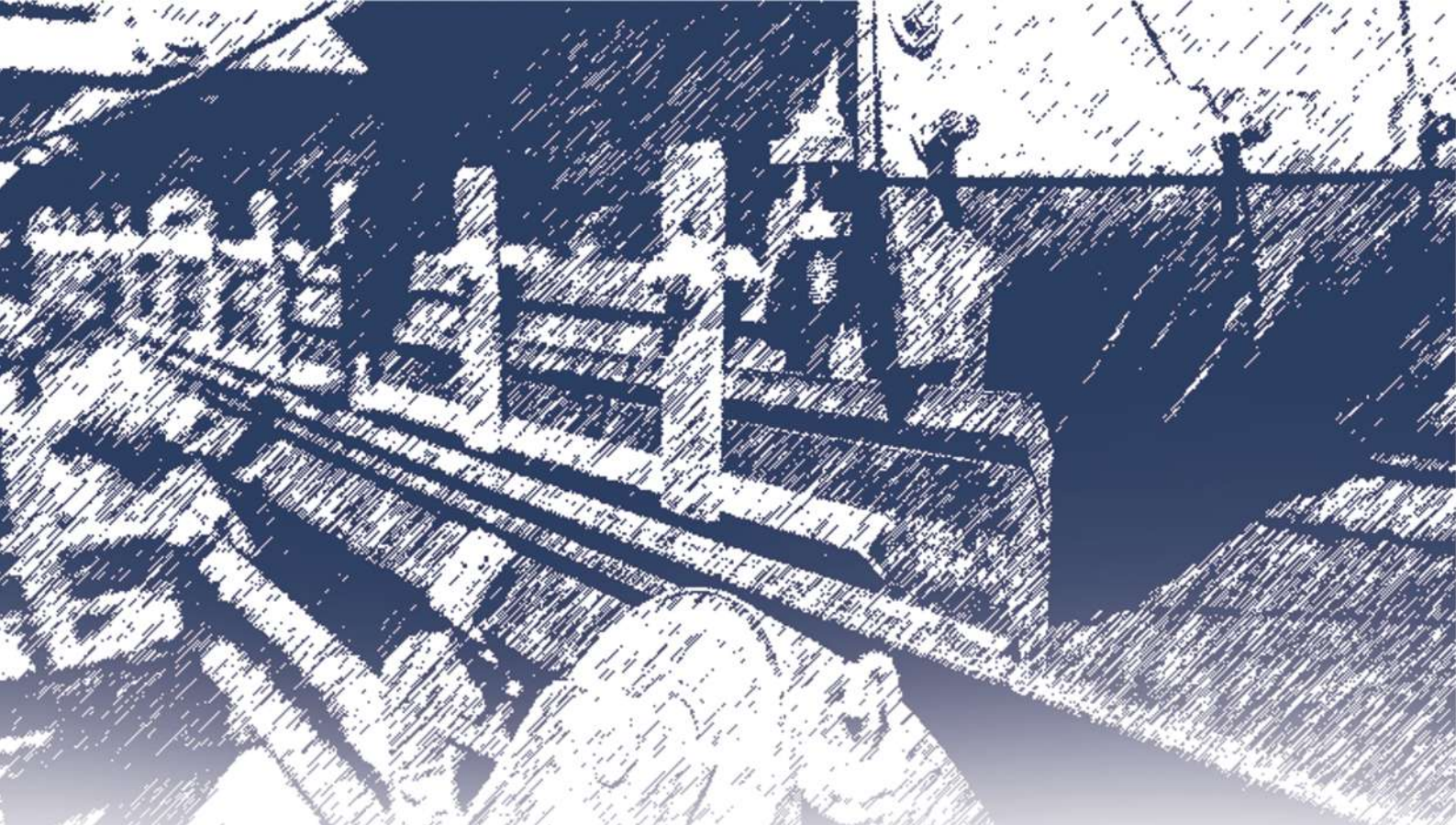
Rotary Belt Scraper

DYNAMIC's specialized Belt Scraper is designed for belts transporting materials like Clinker, Coke, and Alumina, prone to thermal cracks and fine powder entrapment. This scraper prevents powder accumulation caused by belt flapping.

Rotary Belt scraper features a motorized shaft with brush rolls that effectively remove material below the head pulley.



- ▶ Highly effective for clip joint and thermally cracked belts.
- ▶ Ensures environmental protection, without health risks.
- ▶ Safeguards idler rollers, enhancing conveyor belt lifespan.
- ▶ Applicable to all belt types.
- ▶ Operates via motorized V Belt Drive.
- ▶ Features segmented, self-locking brushes.
- ▶ Simple fitting and removal process.



Conveyor Accessories.

Skirting

Material spillage, especially at transfer points, has long been a persistent issue. Traditional solutions like rubber strips or cut conveyor belting fall short. DYNAMIC introduces a cost-effective skirt board sealing system using segmented, interlocked blocks for effective sealing.

Unlike conventional rubber skirting, DYNAMIC's Skirting follows conveyor belt contours and effectively seals material. This foolproof system comprises Interlocking Sealing Blocks, Back Plate, and Clamping Plate, accommodating various conveyor types. Sealing Blocks are crafted from Polymer, Rubber, or Polyurethane, with High Temperature Grade options.

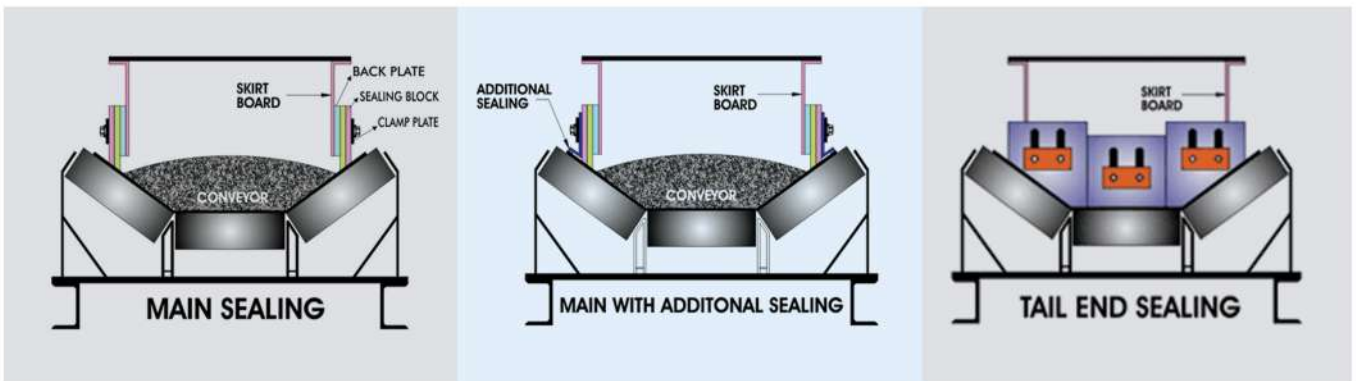
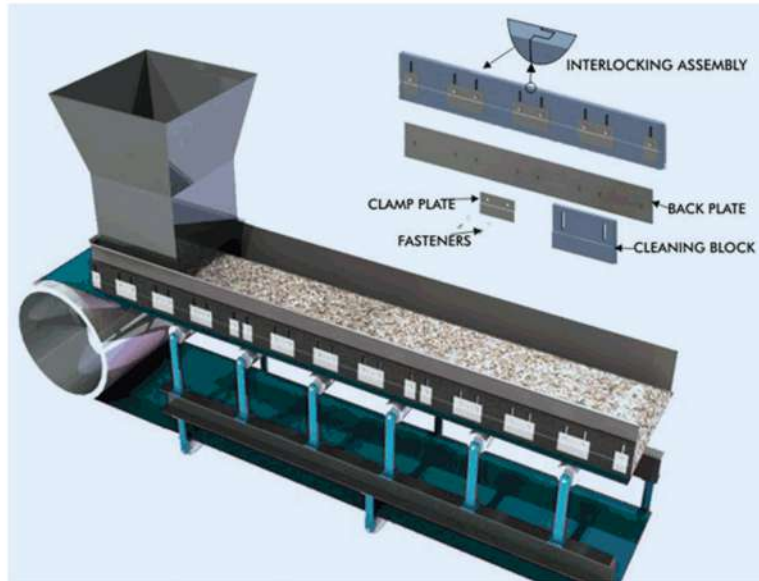
SALIENT FEATURES

- ▶ Back Plate permanently attaches to main equipment's Skirt Plate.
- ▶ Blocks adjustable to conveyor contour using a hammer.
- ▶ Longer block lifespan compared to rubber strips or cut belt solutions.
- ▶ Swift and simple installation process.
- ▶ Cost-effective block replacement.
- ▶ Reduced spillage enhances productivity & No conveyor belt damage.
- ▶ Cleaner environment, less cleaning manpower needed.

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DYNAMIC offers different types of spill stop skirt board sealing system based on application :-



Main Sealing.

- ▶ Segmented modular blocks for easy replacement.
- ▶ Interlocking design ensures comprehensive sealing.
- ▶ Chained twin bolt clamp design for rigidity, preventing block oscillation.

Additional Sealing.

- ▶ Compatible with DYNAMIC main sealing
- ▶ Stops fine dust that may bypass main sealing due to belt sway or improper contact pressure.

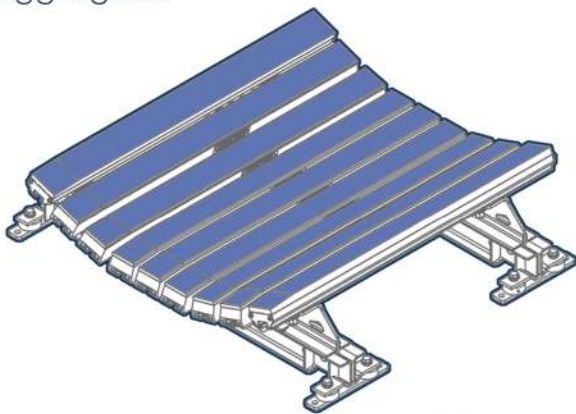
Tail End Sealing.

- ▶ Overlapping and interlocking block design for full sealing.
- ▶ Adjustable modular blocks effectively handle troughing contour.

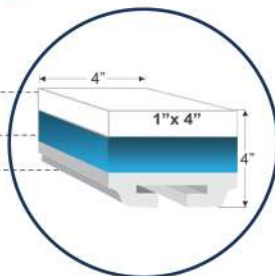
Conveyor Accessories.

Impact Bed

DYNAMIC's Impact Beds shield conveyor belts and systems from damage caused by heavy material impact. They are ideal for various industries, including mining (metal and non-metal), cement, and aggregate.



UHMW
SBR rubber
Aluminum Support



Cement



Mining



Agriculture



Power



Fertilizer



Sugar



Warehouse



Transhipment

INDUSTRIES

- ▶ **Improved Impact Cradles:** Utilizing our 17.5°, 10°, and 22.5° bars, eliminate pinch points and idler junction areas in various idler systems.
- ▶ **Absorbs Impact :** Featuring robust steel framework and impact bars made with shock-absorbent 40-durometer rubber for handling large materials.
- ▶ **Modular Designed :** Cradles are available in 2', 4', or 5' lengths based on impact area size.

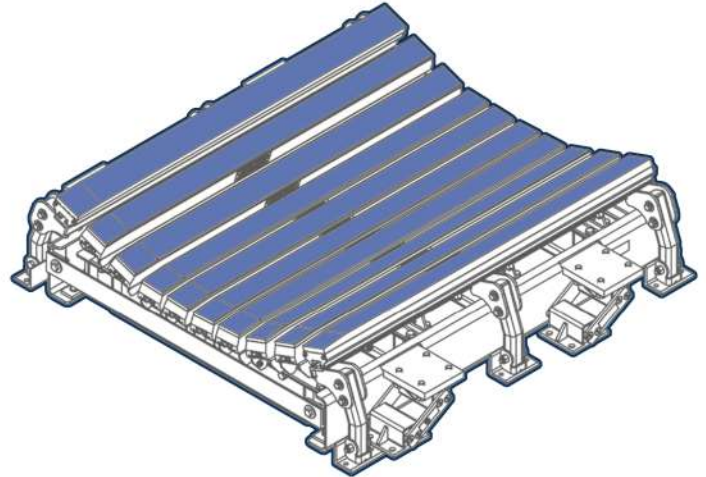
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Impact Cradle Beds

DYNAMIC's Impact Cradle Beds protect conveyor belts from damage caused by rocks, tramp metal, and more. Modular design ensures impact protection and spillage control in loading zones.

- ▶ Steel-reinforced impact bars with a bed of steel angles.
- ▶ Easy installation with adjustable supports matching trough angles.
- ▶ Eccentrics in wing supports compensate for wear, offering adjustment.
- ▶ Simple replacement with four-bolt securement per impact bar.



Impact Slider Beds

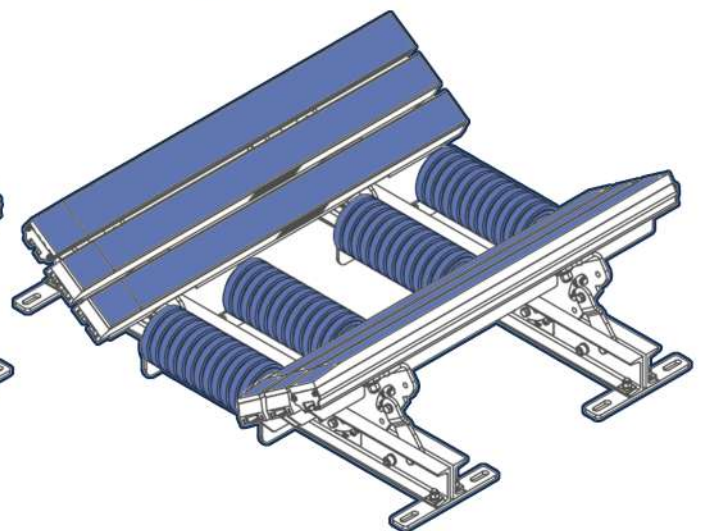
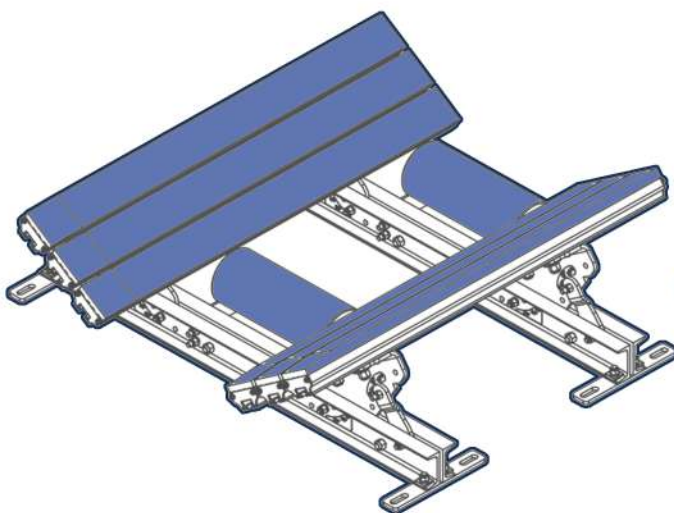
DYNAMIC offers suitable load zone solutions for various applications, from low-impact like sand to high-impact coal-related environments. We've engineered superior belt protection and unmatched serviceability in all of our slider beds and impact beds.

Rollers Slider Bed.

- ▶ Eliminates products spills
- ▶ Reduces dust accumulation & roller failure issues

Impact Rollers Slider Bed.

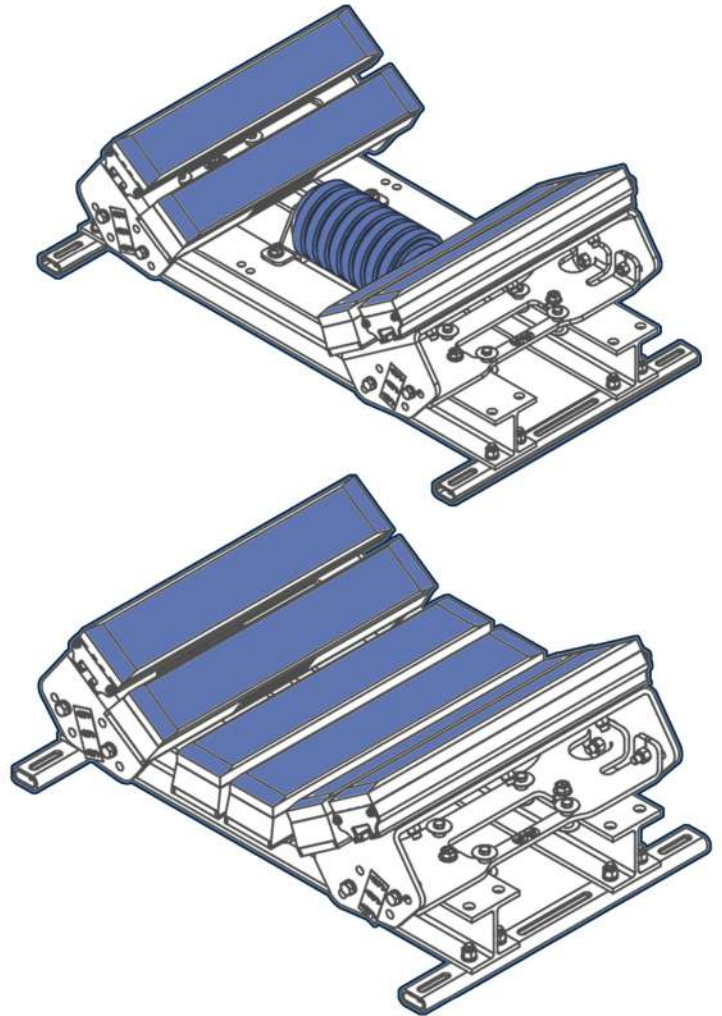
- ▶ Absorbs the impact of large material.
- ▶ Supports the entire belt in the loading zones

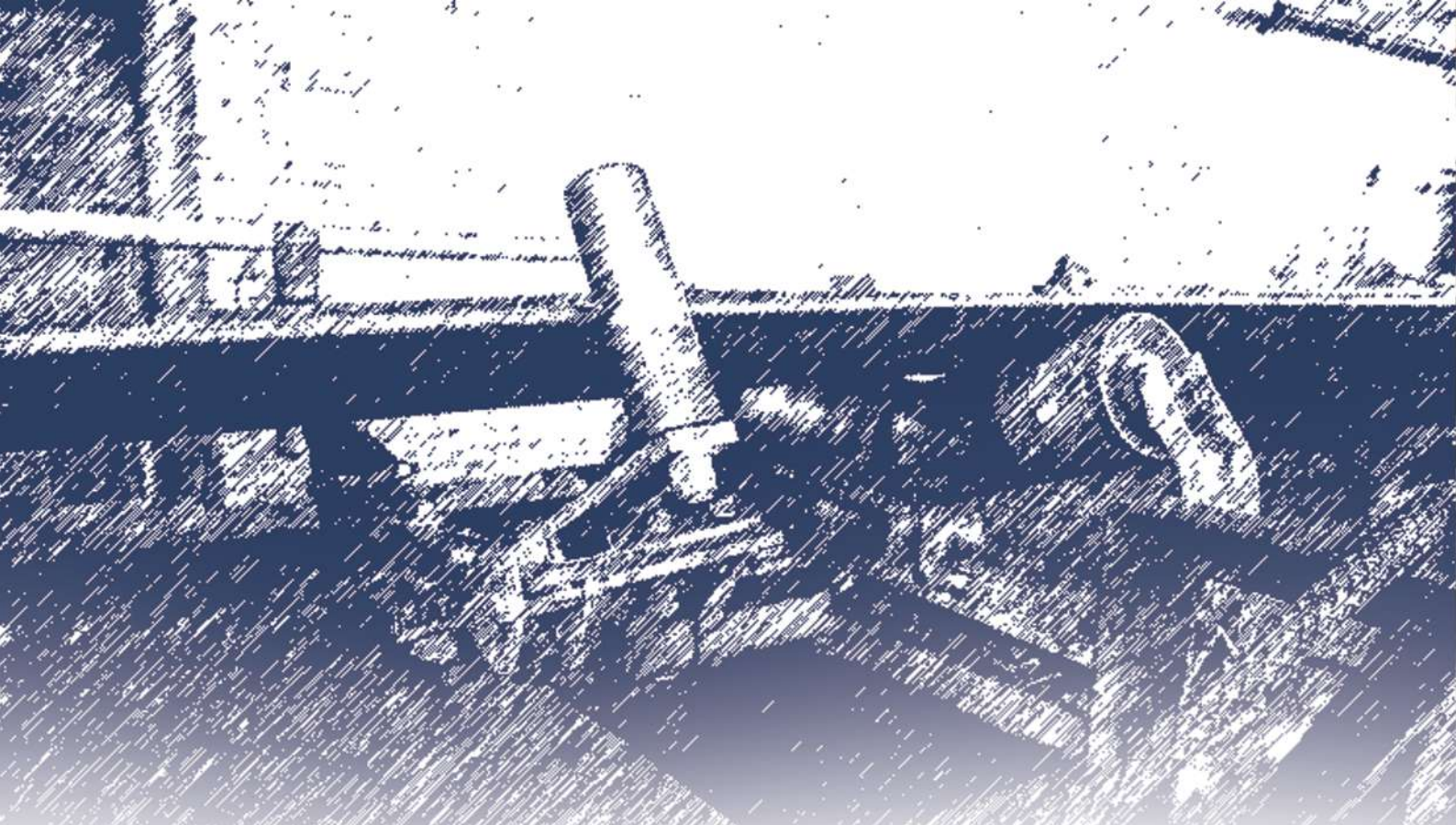


Modular Impact Beds

Designed for optimal capacity, DYNAMIC's Modular Impact Beds ensure complete load zone containment. With a 2' (600 mm) sectional base, the system empowers tailored impact zone design using all-bar sections for high-impact spots and slider impact sections for lower impact needs or sealing. When combined, these styles deliver peak load zone performance.

- ▶ **Effortless Maintenance :** Convenient slide-out trough and center section removal for swift and simple servicing.
- ▶ **Optimized Design :** Chamfered bars suitable for reversing belts ensure efficient functionality.
- ▶ **Peak Performance Fusion :** Seamlessly integrate slider and impact beds to achieve superior operational results.
- ▶ **Adaptable Trough Angles :** Adjustable at 20°, 35°, and 45° to meet varying needs.
- ▶ **Sectional Flexibility :** Utilize 2' (600 mm) sections for versatile load zone customization.





Conveyor Accessories.

Belt Trackers

DYNAMIC's belt alignment products operate independently, ensuring continuous adjustment to keep the belt centered.

Conveyor belt misalignment is a widespread issue in bulk material handling industries, leading to spillage, damage, increased costs, and safety concerns. Misalignment results in production loss and operational inefficiency.

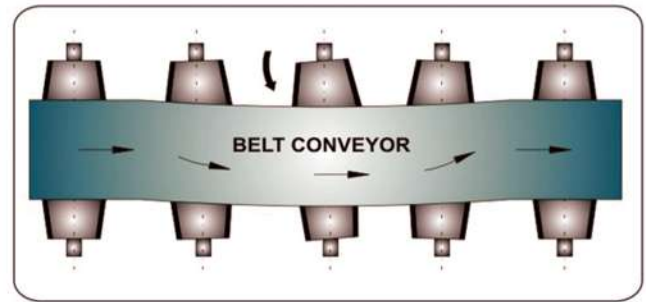
DYNAMIC provides a permanent solution to belt misalignment. Our trackers offer a non-damaging, highly effective tracking action that responds immediately to belt drift, ensuring proper alignment and preventing associated issues.

SALIENT FEATURES

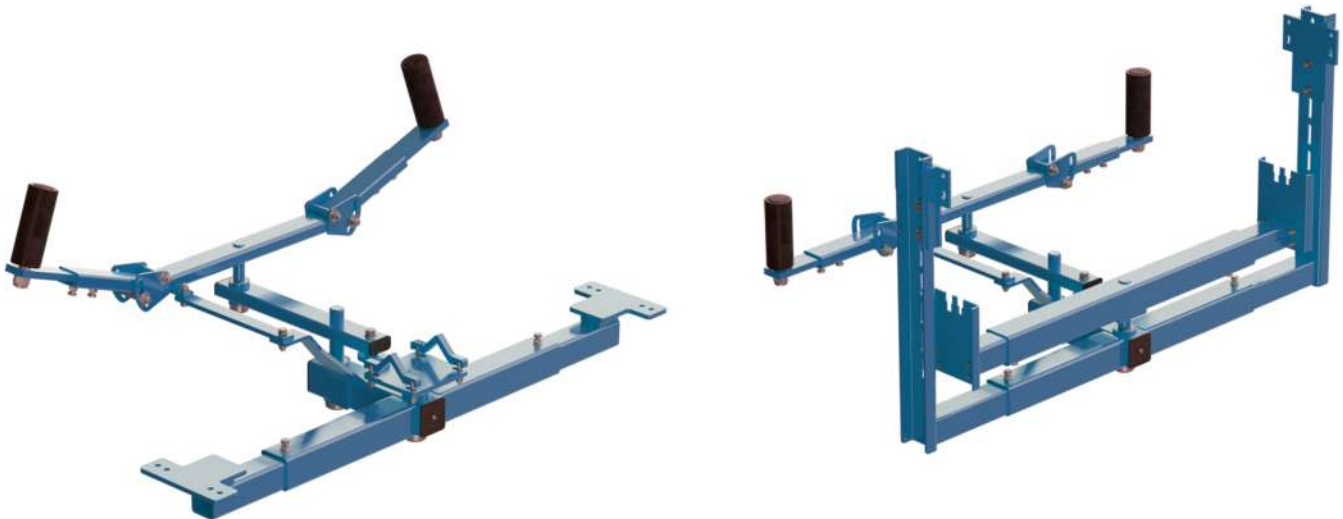
- ▶ Continuous automatic tracking.
- ▶ Keeps the belt in the same horizontal plane.
- ▶ Equipped with double antifriction bearings for vibration-free operation.
- ▶ Features double sealing to prevent dust from entering bearings.
- ▶ Rubber lagged for extended lifespan.
- ▶ Suitable for both uni-directional and reversible belts.

Principle Of Operation.

Belt tracking occurs in the horizontal plane, where the belt makes contact with the tapered section of the Tracker Roller. When the belt begins to shift off-center, the weight distribution and varying peripheral rotational speeds between the tapered part of the Tracker Roller and the center cause the roller to pivot in the opposite direction around its central point.



The degree of pivot of the Tracker Roller depends on how far the belt deviates from the center. As the Tracker Roller is no longer perpendicular to the return belt's direction, this skewed roller automatically guides the belt back to its central position.



Available in 2 models to match the requirements of each application.

- ▶ Keeps the belt in alignment with automatic, continuous adjustments.
- ▶ Improved tracking reduces edge damage, spillage and maintenance expense.
- ▶ Continuous precision adjustment of the patented parallel steering/training system keeps the belt tracking properly

System Design and Fabrication.

In the year 2000, We established our Conveyor System design and fabrication facility. We design and manufacture complete conveyor systems, including Coal Handling Plants, Warehouse Conveyors, Weight Feeders, RMC Conveyors, Ginning Machines, Stone Crushing Units, and more, and we have our team of experts for the

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Conveyor Systems

Spanning 20,000 sq feet, we have a specialized in-house material handling system unit with the newest gear for manufacturing quality products efficiently.

From design through installation and commissioning, we offer complete solutions.

continuous R&D and have always strived to be industry leaders. We are always improving the product design in order to improve production efficiency and final product durability.

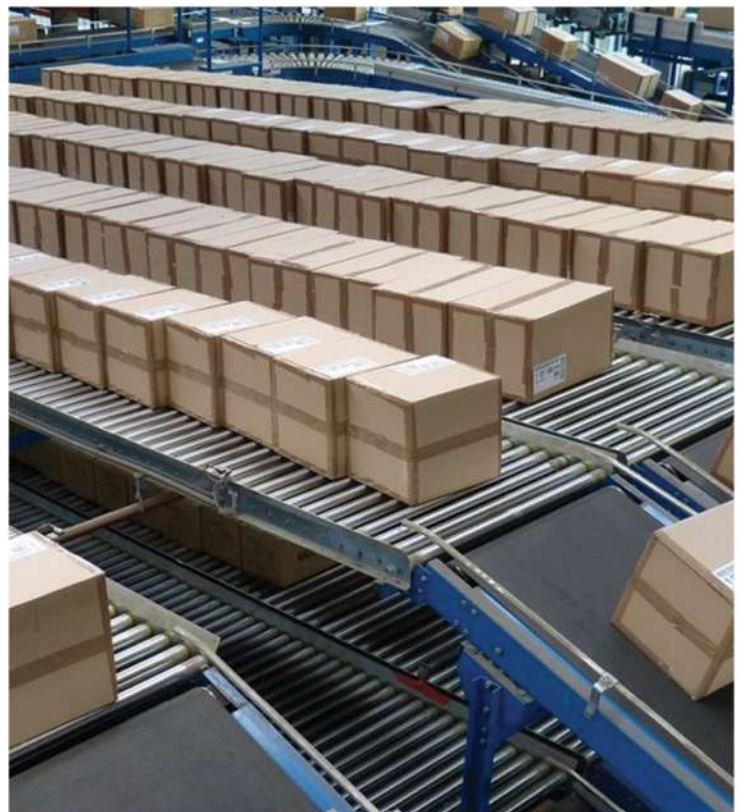
Wagon loaders and mobile conveyors are manufactured by us for use in warehousing, sugar plants, cement plants, and other industries.

TYPES

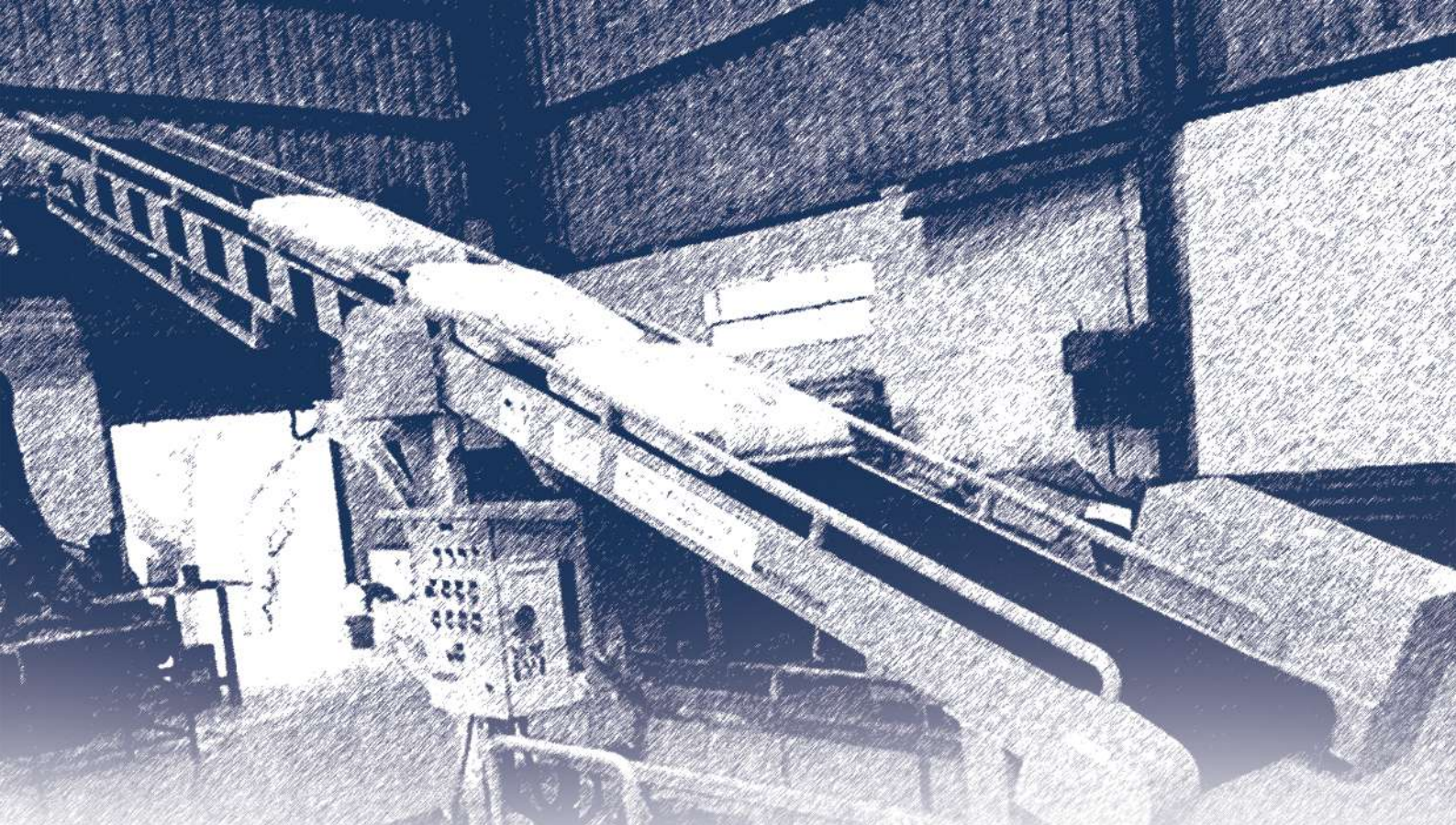
- ▶ Coal Handling Plants.
- ▶ Warehouse Conveyors.
- ▶ Weigh Feeders.
- ▶ RMC Conveyors.
- ▶ Ginning Machines.
- ▶ Stone crushing units and more.

STANDARD PACKING

- ▶ Over 20,000 Sq.ft



We manufacture wagon loaders and mobile conveyors used in warehousing, sugar units, cement units and other industries.



System Design And Fabrication.

Truck Loaders

DYNAMIC's manufactures truck loader conveyors for various applications in warehouses, factories, and other settings. These conveyors are designed to handle materials such as boxes, cartons, and bags efficiently, reducing labor and saving time. With easy movability, a slider bed design, and low maintenance requirements, our conveyors offer numerous benefits.

- ▶ **DRPL's Truck loaders:** Flexible loading and unloading of trucks up to 28 feet (50 kg).
- ▶ **Wide applications:** Used in sugar industries, warehouses, flour mills, beverage industries, logistics, etc.
- ▶ **Beyond 28 feet:** We suggest telescopic belt conveyors for longer length.
- ▶ **Versatile handling:** Conveyors for boxes, bags, cartons, bottles, and more, with adjustable height and hydraulic inclination.



Cement



Sugar



Railways



Post Office

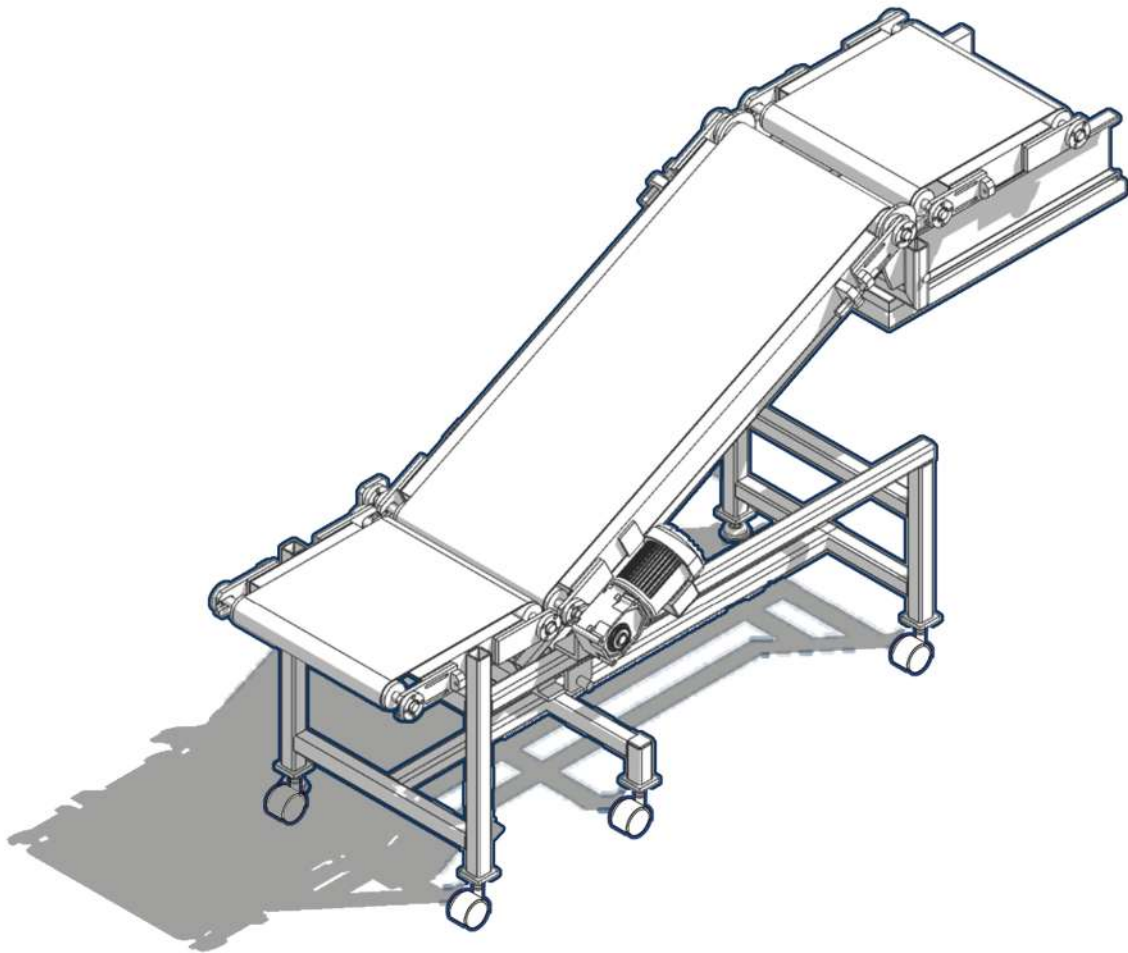
INDUSTRIES

Features :-

- ▶ A slider bed is employed instead of idlers for smooth and effective conveyance.
- ▶ A power switch is installed in front of the conveyor to maintain the flow of loading.
- ▶ Side rails are provided to avoid spillage of material.
- ▶ Headlamps are provided to work easily in dark.
- ▶ Headlamps are provided to work easily in dark.

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Advantages:

- ▶ Smooth loading and unloading of trucks and containers
- ▶ Truck can be loaded or unloaded with the help of only 2-3 labors
- ▶ Time require for loading/unloading of items will be 40% lesser as compare to manual process.
- ▶ We can use the height-adjustable front boom for stacking as well.

SL.	SPECIFICATION	DESCRIPTION
1.	BELT WIDTH	400 MM - 800 MM
2.	INCLINED LENGTH	UPTO 3500 MM
3.	HORIZONTAL LENGTH	UPTO 6500
4.	FEEDING HEIGHT	600 MM - 1000 MM
5.	DISCHARGE HEIGHT	2000MM TO 3200MM



Agriculture Belts

Seed Belts

Operating in demanding environments, DYNAMIC's Agricultural Belts endure harsh conditions. They withstand strenuous operations, including dust, soil, and debris interference. This heavy-duty interwoven belt excels in bucket elevators, grain, feed, and other applications, offering low stretch and tear resistance.

Properties

- ▶ Premium belts for use in seeding machines, e.g. potato seeders
- ▶ Flat 1-ply belt, optimized for installing seed buckets
- ▶ Available as rolled goods (100-m rolls as standard)
- ▶ Further processing of our base belt by the customer (cutting to length, mounting potato buckets, endless splice with hook fasteners)
- ▶ Special model with two profiled V-ledges to ensure optimal belt tracking



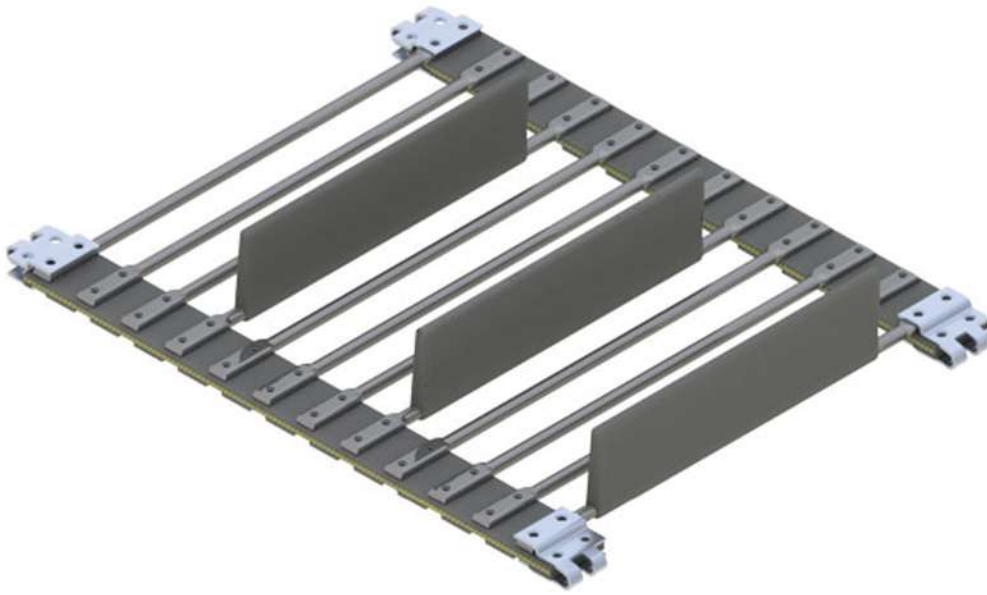
Agriculture

INDUSTRIES



dynamic
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Know more about us www.dynamicrubbers.com



Belted Chain

The widely used web structure comes with several options like rod diameter, traction belting pitch, and joining type. Customizable for length, these digging conveyors are durable and reliable. They feature robust cast centers and heavy-duty clamps to prevent rod breakage under heavy loads.

Our belt chains and components find diverse uses, from agricultural harvesters to sorting lines and processing plants. They serve in crop handling, rock separation, and continuous operations.

- ▶ Bars in length (1370 mm)
- ▶ No. of Bars (vary customer to customer)
- ▶ 35 mm pitch.
- ▶ Cast center clamp for continuous and uninterrupted rod construction.
- ▶ 10 mm rod diameter.
- ▶ Double high profile traction rubber belt.

Haul Off Belts

"Haul-offs" involve pulley-driven parallel belts that grip and pull in-process products using suitable pressure, aided by rollers. Operating in pairs, they're customized with covers suited for product shapes. "Caterpillar" sectioned covers enhance flexibility for small pulleys. Reinforcement layers endure pulling force, and base layers match roller and pulley profiles.



Fig. 15.1. Poly-V Haul off belt

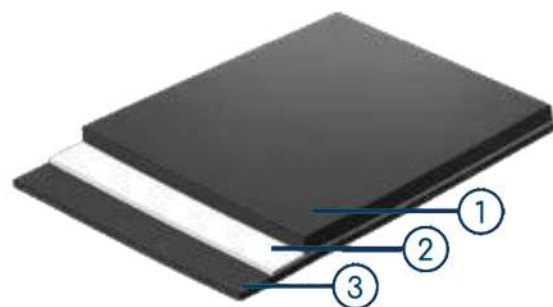


Fig. 15.2. FLAT Haul off belt

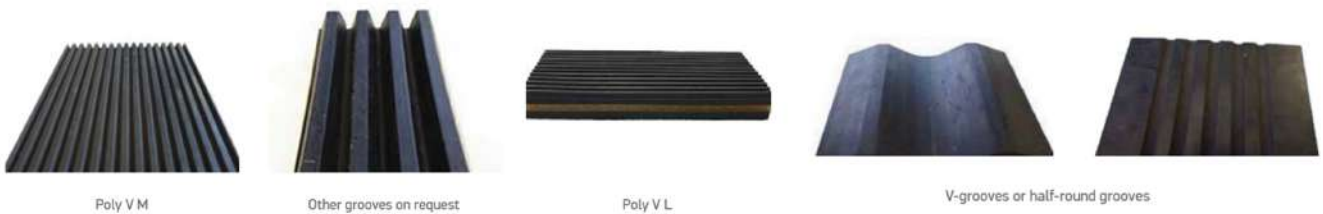
- ▶ 1. Rubber/PU (Polyurethane) Cover Layer - Product-Hauling Side of Belt.
- ▶ 2. Polyester Cord Reinforcement Layer.
- ▶ 3. Polyester Cord Reinforcement Layer.

BREAKING TENSION	Up to 2 500 N/mm
CARCASS	<ul style="list-style-type: none"> • Textile up to 5 plies • Wound cord (Rayon or Aramid) • Heat vulcanizing of Poly-V belts, notched belts...
COVER	<ul style="list-style-type: none"> • Abrasion Resistant (excellent index of 50 mm[°]) • Oil and grease resistant - especially for copper (115 mm[°] index) • Retardant up to 200°C (index 115 mm[°]) • White - non staining (index 110 mm[°])
WIDTH	Up to 400 mm
ADVANTAGES	<ul style="list-style-type: none"> • No splice, therefore no risk of belt opening. • Homogeneous belts, no extra thickness. • Run on small pulley diameters. • Straight traction at different speeds. • Grooves on request: grinding, 1/2 round, V, poly-V grooves,...

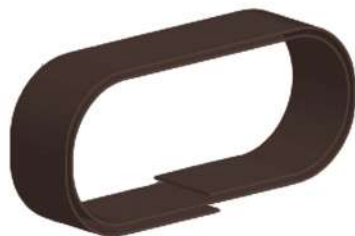
Custom belts are tailored for plastic extrusion, cable bundling, and material handling. They aid processing of profiles, hoses, and rolling tasks. Haul-off belts manage stacks for printing and packaging, serving cable, wire, hose, tubing, and rod industries.

DYNAMIC's Haul off belt benefits

- ▶ **Withstand exposure to Harsh Environments:** Dynamic's belts are highly resistant to chemicals, hydrolysis, oils and exposure to very low temperatures, down to -40 degree C.
- ▶ **High Performance and Operating Life:** Non-Marking Thermo-Plastic Polyurethane in a resistant belt design offers extended service in tough applications.
- ▶ **No Minimum Quantity Required:** Dynamic manufacture these belts in small quantities, in no time.



POTENTIAL CONFIGURATIONS :-



(i) Fabric



(ii) Cord (Kevlar)

BREAKING TENSION	
UP TO 1500 N/MM	UP TO 2500 N/MM
CARCASS	
POLYESTER-POLYAMIDE FABRIC WOUND ENDLESSLY SPLICELESS	CARCASS CONSTRUCTION TO WORK UNDER CONSTRAINTS & PRESSURE, ENDLESS CORD ROLLED SPLICE LESS RAYON - ARAMID
ADVANTAGES	
<ul style="list-style-type: none"> • VULCANIZATION SPLICELESS AND UNDER TENSION • HOMOGENOUS FINISH 	<ul style="list-style-type: none"> • VULCANIZATION SPLICELESS AND UNDER TENSION • HOMOGENOUS FINISH • HIGHLY RESISTANT TO BREAKAGE • RECOMMENDED FOR CAPSTANS OR TRACKS SUBJECT TO HIGH TENSIONS



PVC Conveyor Belts

DYNAMIC produces various PVC, PU, and PVK conveyor belts with over 80 standard options, catering to diverse industry needs. PVC belts are widely used in electronics, logistics, printing, textiles, ceramics, and more, offering wear resistance, high tensile strength, and versatile surface patterns.

INDUSTRIES

- ▶ FDA/USDA approved material & Easy-to-clean surfaces & hygienic joints.
- ▶ Can negotiate smaller pulley diameters.
- ▶ Special belt types available for specific duties, available in white, green or black.
- ▶ Profiles HF welded to the base belt.

THICKNESS (MM)	1.0-13.0 (Can be customized)
COLOR	White & Green & Black & Blue (can be customized)
WEIGHT (KG/M2)	1.2~10.9
EFFECTIVE PULL AT 1% ELONGATION (N/MM):	12-80
TEMPERATURE RANGE (OC)	-15/+80
CHARACTERISTIC:	Lateral stability, Oil resistance /Non - Oil resistant

PU Conveyor Belts

DYNAMIC's PU conveyor belts meet FDA regulations, boasting features such as anti-stick, oil resistance, acid and alkali resistance, low-temperature tolerance, and suitability for direct food contact.

THICKNESS (MM)	0.7-3.5 (Can be customized)
COLOR	White & Green & Black & Blue (can be customized)
WEIGHT (KG/M2)	0.9~4.2
EFFECTIVE PULL AT 1% ELONGATION (N/MM):	4~8
TEMPERATURE RANGE (OC)	-20/+80
CHARACTERISTIC:	Lateral stability, Oil resistance /Non - Oil resistant

Main Features :

- ▶ Better strength-to-weight ratio & energy saving.
- ▶ Knife-edge Capability.
- ▶ Special types for non-stick surfaces.
- ▶ Superb tracking over great lengths.
- ▶ Excellent temperature range.
- ▶ Special types give excellent grip on inclines.
- ▶ Clean release & Low noise.
- ▶ Hygienic Resists bacteria contamination.
- ▶ Reduced maintenance excellent durability.
- ▶ Freedom from stretch.
- ▶ Simple thermo-jointing finger or spliced.

CONVEYER BELTING



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**Rubber
Products &
Belting
Unit.**

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