

SHORT FORM CATALOGUE

Heavy-Duty Belting



About Us

Established in 1963 and headquartered in City Deep, Johannesburg, Belting Supply Services boasts a network of 16 branches across South Africa.

We take pride in providing our clients with excellent service and a wide range of superior-quality conveyor and transmission belting, industrial hose, instrumentation, sealing, and valves from leading global brands, serving various industries.

We prioritise customer satisfaction by providing technical support and meticulous after-sales service.

Complying with industry regulatory standards, we hold BEE and ISO certifications and are a proud member of the Conveyor Manufacturers Association of South Africa.

We work closely with our suppliers, who invest heavily in research and development, ensuring that we stay abreast of new technologies.

Belting Supply Services' (BSS) success over the last 60 years has been driven by world-renowned brands, a strong product range, and highly trained management and staff, who have an average of 20 years' service with the company.

BSS was established in 1963 by Mr Hayter in Langlaagte and now operates from a 10,000m² facility situated in City Deep. The business grew rapidly from the outset, opening branches in Kimberley, Cape Town, and Port Elizabeth. It was acquired by Hudaco in 1988 as part of the Frencorp acquisition.

Initially, it specialised in transmission products such as V-belts, V-pulleys, taper bushes, couplings, gearboxes, and chain, later becoming a stockist of rubber conveyor belting.

In 1968, BSS was appointed sole distributor for Southern Africa for Habasit conveyor and transmission belting. In 1978, it acquired a conveyor manufacturing plant from Brenflex in Australia and began manufacturing a unique PVC conveyor belt branded Trekflex. From then until the closure of the plant in 2012, BSS was the only manufacturer of "ply" PVC conveyor belting in Southern Africa.

In 1995, KZN-based business Swift Industrial Supplies was merged into BSS, bringing industrial hose into the product offering across all nine branches in South Africa. BSS was appointed the sole distributor in Southern Africa for NCR hose, which carries the SABS stamp of approval. Industrial hose now contributes about 25% of BSS's turnover.

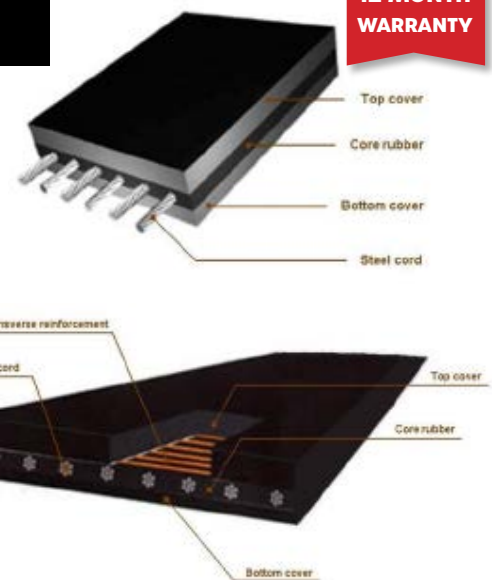
In 2007, SA Hose and Belting (Cape Town and Port Elizabeth) was also acquired to expand our heavy-duty offering.

In 2008, Belting Supply Services acquired BEP Bestobell to expand our product range to include instrumentation, valves, and sealing.



Steel Cord Conveyor Belts

- Steel cord belts provide exceptional strength, making them suitable for heavy-duty applications and long-distance conveying.
- Ideal for transporting materials in industries like mining, cement, and steel production.
- Resistant to wear, tear, and abrasion due to the robust rubber and steel construction.
- Performs reliably in harsh environments, reducing downtime and maintenance costs.
- Despite their strength, steel cord belts maintain flexibility, enabling efficient operation over long distances and around tight curves.
- Minimal elongation ensures consistent performance without frequent adjustments, improving operational efficiency.



12 MONTH
WARRANTY

MANUFACTURING

We can manufacture to client specifications whether its SANS or DIN standard.

SANS

- is the South African Standard

DIN

- is the German standard.

KEY FEATURES:

	High tensile strength up to 8 000 kN per meter		Available in widths of up to 2.4m
	Roll lengths of up to 700 m depending on specification		Large stock for a quick turnaround
	Wide range of accessories available		Comprehensive conveyor belt service
	Durability and Longevity		Superior Flexibility
	Low Elongation		Heat and Fire Resistant

APPLICATIONS / INDUSTRIES:

MINING	BULK MATERIALS HANDLING	CEMENT & LIME	POWER GENERATION
PORTS & TERMINALS	STEEL & METAL PROCESSING	FERTILIZER & CHEMICAL	AGGREGATE & QUARRYING



Heat Resistant Conveyor Belting

- Heat Resistant Rubber Textile Conveyor Belts are highly resistant to hot cement, steel or sand material.
- The cover of this kind transport belts comprises of a unique rubber compound with high adhesive resistance, cut strength, high elongation at break and outstanding thermal protection.

	Heat 150°	Heat 180°	Heat 200°
Tensile Strength (N/mm ²)	≥ 14	≥ 14	≥ 13
Abrasion (mm ³)	≥ 250	≥ 250	≥ 200
Elongation at break (%)	≥ 400	≥ 400	≥ 350
Const. operating temp (°)	≥ 150	≥ 180	≥ 200

Features	HR 100	HR 150	HR 200
Temp. range of material (°C)	< 200°C	150 – 350	150 – 450
Temp. range of belt surface: (°C)	80 – 100	100 – 150	120 – 180
Cover rubber:	SBR	EPDM	EPR



HR-100 grade has a premium quality SBR rubber compound with a very good abrasion and heat resistance to handle hot materials up to 200°C. This grade of belting is highly resistant to a variety of heat applications and gives good service for iron ore pellets, sand, castings, coke, limestone etc.

HR-150 grade has a hot belt compound of ethylene propylene rubber giving excellent heat resistance designed to carry hot materials without cracking. This grade of belting is most suitable for powdery materials such as cement products, fine limestone, clay, slag, steel millings etc.

HR-200 grade is the highest quality conveyor belting available for maximum heat resistance. This grade of belting is specially formulated EPR (ethylene propylene rubber) which provides superior heat resistance and ply adhesion for carrying hot cement clinker, phosphate, hot sintered ore and hot chemical fertilisers etc.

KEY FEATURES:

	Withstands high temperatures (Grades: HR120, HR150, HR200, HR300 depending on belt type)		Ideal for handling hot materials (clinker, foundry sand, sinter, cement,
	Specially formulated heat-resistant covers to prevent hardening & cracking		Designed for extended belt life in continuous heat exposure
	Retains tensile strength under elevated temperatures		Available in multiple carcass constructions (EP/steel cord)
	Resists thermal aging, oxidation, and shrinkage		Low elongation & stable tracking even in hot environments

APPLICATIONS / INDUSTRIES:

FOUNDRIES	STEEL MILLS
SMELTERS	CEMENT PRODUCTION



Oil-Resistant Rubber Belting

- Oil-resistant rubber conveyor belting is designed for industrial applications where the belt is exposed to oil, grease, or other petroleum-based substances.
- These belts are engineered with materials that resist swelling, deterioration, and loss of tensile strength caused by oil contact.



TYPES OF OIL-RESISTANT BELT:

MOR	(Medium Oil Resistant): Suitable for materials with moderate oil content, such as grains or wood chips.
SOR	(Super Oil Resistant): For handling high-oil-content materials like oily grains, crushed soybeans, and foundry sand.

Belt Class	Tensile Strength (MPa)	Elongation at Break (%)	Abrasion (mm)
MOR	12	350	250
OR	14	400	200
HOR-100	12	350	250
HOR-125	12	350	250
FOR	12	250	250

KEY FEATURES:



Oil Resistance:

Specially formulated rubber compounds prevent absorption and degradation from oils and greases.



Durability:

High resistance to wear and abrasion for extended service life.



Flexibility:

Maintains flexibility even in challenging environments.



Heat Resistance:

Often combined with heat-resistant properties for operations involving high temperatures.



Low Elongation:

Ensures minimal stretching for efficient performance.

APPLICATIONS / INDUSTRIES:

FOOD PROCESSING Handling oily food items	RECYCLING INDUSTRIES	TIMBER & WOODWORKING
MINING & QUARRYING	CHEMICAL PLANTS	AUTOMOTIVE ASSEMBLY LINES



Food Grade Rubber Belting

Food-grade rubber conveyor belting is specifically designed to meet the strict standards required for use in food processing and handling applications. These belts are made from materials that are safe, durable, and resistant to common challenges in the food industry, such as moisture, oils, fats, and temperature variations. Here's an overview:



COVER COMPOUND TYPES:

- FDA
- Oil-Resistant

**Other Types available on request*

BELT TYPES:

Smooth Belts	Ideal for general food handling applications.
Incline Belts	Feature textured surfaces or cleats for inclined conveying.
Oil-Resistant Belts	Used in environments with exposure to animal fats or cooking oils.
Heat-Resistant Belts	Suitable for high-temperature applications like baking or frying.

KEY FEATURES:



Food Safety Compliance:
Certified to meet FDA, EU, or other international food safety standards.



Non-toxic Materials:
Made from materials that are free of harmful chemicals, ensuring no contamination.



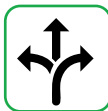
Temperature Resistance:
Can operate in a wide range of temperatures, from freezing to high heat.



Easy Cleaning:
Designed for quick and effective cleaning to maintain hygiene standards.



Chemical Resistance:
Resistant to oils, fats, and chemicals used in food processing.



Flexibility and Traction:
Offers excellent flexibility and grip for efficient product movement.



Durability:
Resistant to abrasions, tears, and wear, even under heavy-duty use.

APPLICATIONS / INDUSTRIES:

FOOD PROCESSING

Meat, poultry, seafood, baked goods, and dairy.

PACKAGING

Conveying packaged food items.

AGRICULTURE

Moving fruits, vegetables, or grains.

BEVERAGE INDUSTRY

Conveying bottles, cans, or cartons.

MEAT & POULTRY PROCESSING

Used in slaughterhouses and packaging facilities to transport meat products while maintaining hygiene.



Food Grade Rubber Belting - Elevator

Polysur® type 272 NBR-FDA white foodgrade rubber quality elevator belts are mainly used for elevators in the food processing industry.



	Unit/testing standard	630/4	800/4
Construction			
Carcass type		EP	EP
Warp		Polyester	Polyester
Weft		Polyamid	Polyamid
Textile plies		4	4
Type per ply		EP 160	EP 200
Belt thickness nom.	mm	8.2	9.2
Rubber covers top nom.	mm	2.0	2.0
Rubber covers bottom nom.	mm	2.0	2.0
Belt weight nom.	kg/m ²	12.9	13.6
Properties			
Tensile strength	N/mm	>630	>800
Elongation at break	%	>10	>10
Elongation at 10% working load	%	<1,5	<1,5
Adhesion covers - plies	N/mm	>6	>6
Adhesion between plies	N/mm	>6	>6
Rubber properties			
Type of rubber	Polymer	NBR	NBR
Oil and fat resistance		good	good
Swelling in oil IRM 903	72u / 70° C. in %	<8	<8
Tensile strength	Mpa	>11	>11
Elongation	%	>500	>500
Hardness (+/- 5°)	° Shore A	70 +/- 5	70 +/- 5
Abrasion resistance	mm ³	<200	<200
Additional properties			
Temperature dry, low fat product	°C.	-25 / +80	-25 / +80
Temperature fat and/or moist product	°C.	-25 / +60	-25 / +60
Anti-static <3.108	Ω ISO conform	yes	yes
Flame retardant	ISO conform	yes	yes
Minimum pulley diameter		400 mm	450 mm
Recommended elevator belt fasteners		Maxi-AB Maxi-	Maxi-AB Maxi-

Testing norm in accordance with DIN22102, ISO 37, 251, 252, 283, 284, 340, 583, 868, 13934, 2781, 4649, 7619, 9856. Showing values are average values.

KEY FEATURES:



Good resistant to oils and fats



Low concentrations of acids and lyes



Anti-static



Flame-retardant

APPLICATIONS / INDUSTRIES:

DRY FOODSTUFFS

Conveying dry foodstuffs, such as flour, rice, sugar, salt milk powders



Abrasion-Resistant Rubber Belting

Abrasion-resistant rubber conveyor belting is designed to withstand wear and tear caused by the constant friction and movement of materials being transported. It is typically used in industries such as mining, quarrying, cement, and bulk material handling, where heavy, sharp, or rough materials are conveyed.



Cover Quality	mm
Super Abrasion Resistant	30
High Abrasion Resistant	50
General Abrasion Resistant	90

KEY FEATURES:



Superior Wear Resistance:

Engineered with high-quality rubber compounds to withstand heavy abrasion, extending service life. Reduces maintenance costs and downtime due to less frequent replacements.



High Tensile Strength:

Reinforced with strong fabric layers (e.g., polyester, nylon, or steel cords) for added durability and impact resistance. Suitable for high-stress environments like mining, construction, and heavy manufacturing.



Optimized for Harsh Environments:

Withstands extreme temperatures, moisture, and exposure to chemicals, making it ideal for outdoor and industrial use. Resistant to cuts, tears, and gouges, ensuring reliability in rough conditions.



Enhanced Energy Efficiency:

Low rolling resistance reduces energy consumption in conveyor systems, improving operational efficiency. High flexibility and load-carrying capacity ensure smooth and efficient material transport.



Customization Options:

Available in various thicknesses, widths, and cover grades to meet specific industry needs. Custom formulations for oil resistance, heat resistance, or fire retardancy if required.



Cost-Effective Solution

Longer lifespan compared to standard rubber belting, reducing long-term operational costs. Minimizes unplanned maintenance and downtime, improving productivity.

APPLICATIONS / INDUSTRIES:

**PORT
INDUSTRY**

**POWER
INDUSTRY**

**MINING
INDUSTRY**

**CHEMICAL
INDUSTRY**

Suitable for long distance, high speed and large capacity conditions.



Rubber Coveyor Belting

MULTI-PLY TEXTILE REINFORCED CARCASS CONVEYOR BELTING

Strength ratings from 200 kN/m through to 3150 kN/m. The carcass has a minimum of 2 plies and maximum of 6 plies with impact absorbing layers of resilient rubber between plies. Protection to the carcass is achieved by hard wearing rubber covers of variable thickness from 1 mm to 20 mm to suit the application. The rubber covers are available in a wide range of compound formulations that meet even the most demanding specifications.



Class	Plies	Top mm Cover	Bottom mm Cover	Width (mm)
200	2	1.6/3.2	1.6	250 - 1500
315	3	3.2/5	1.6	350 - 2100
500	4	5	1.6	600 - 1200
630	4	5	1.6	600 - 1200
800	4	5	2	750 - 1200
1000	4	6	2	750 - 1200

KEY FEATURES:

	Material Composition: Made from natural or synthetic rubber compounds. Reinforced with layers of fabric (e.g., polyester, nylon) or steel for added strength.
	Resistant to wear and abrasion: Operates effectively in a wide temperature range. Provides good traction and flexibility.
	Sizes and Types: Available in various widths and lengths. Can have smooth or patterned surfaces (e.g., chevron belting) for enhanced grip.
	Standard Ratings: Grade M24 (IS 1891): High tensile strength and superior abrasion resistance. Grade N17: Standard abrasion resistance for general applications.
	Maintenance and Lifespan: Requires regular inspection to ensure optimal performance. Lifespan depends on application, material type, and environmental conditions.

APPLICATIONS / INDUSTRIES:

MINING INDUSTRY	AGRICULTURE INDUSTRY	CONSTRUCTION INDUSTRY	MANUFACTURING INDUSTRY
Used for transporting lightweight to medium-weight materials like coal, grain, sand, wood, or gravel.			



Fire Retardant Conveyor Belting

Fire Retardant Conveyor Belting is a type of conveyor belt designed to reduce the risk of fire hazards in environments where materials being transported or operational conditions pose a fire risk. These belts are typically used in industries such as mining, power plants, steel, cement, and grain handling, where fire safety is critical.



TYPES:

PVC Conveyor Belts	Commonly used in underground mining applications for coal and other materials.
Rubber Conveyor Belts	Commonly used in underground mining applications for coal and other materials.
Fabric Conveyor Belts	Typically made with synthetic materials treated for fire retardance.
Steel Cord Belts	Incorporates steel cords with fire-resistant rubber for strength and safety.

KEY FEATURES:



Fire-Resistant Properties:

The belt materials are specially treated to resist ignition and reduce flame spread.



Low Smoke Emission:

In the event of a fire, these belts emit minimal smoke, reducing hazards to personnel and equipment.



Anti-Static Properties:

Prevents the buildup of static electricity, which can lead to sparks and ignition.



Durability:

Designed to withstand abrasive materials and harsh operating conditions.



Compliance with Standards:

Typically meet safety standards such as ISO 340, DIN 22103, or MSHA for fire resistance in conveyor belts.

APPLICATIONS / INDUSTRIES:

UNDERGROUND MINING

Ensures safety in coal mines where flammable gases and materials are prevalent.

POWER PLANTS

Safeguards against fire hazards during coal or biomass transportation.

GRAIN HANDLING

Reduces fire risks from dust explosions.



HDPE / Steel Idlers (Trough)

Used in conveyor systems to support and guide the conveyor belt along its path. They are typically arranged in a troughing configuration (angled in a V-shape) to cradle the belt and help contain bulk materials during transport.



HDPE



Steel

Std End Shaft Length	Open End Shaft Length	Shaft Gauge	Idler Face	Belt Width (3 Roll Trough)	Mass (Steel / HDPE)
234	224	200	190	450	4.41/2.90
284	274	250	240	600	5.18/3.20
334	324	300	290	750	5.95/3.50
384	374	350	340	900	6.72/3.90
434	424	400	390	1050	7.49/4.20
494	484	460	450	1200	8.42/4.60
580	570	546	536	-	-
732	694	670	660	-	-
884	834	810	800	-	-
1038	999	975	965	-	-
1190	1028	1004	994	-	-
1342	1180	1156	1146	-	-

KEY FEATURES:



Reliable performance in demanding bulk-handling applications



Precision-sealed bearings ensure **smooth rotation, low rolling resistance, and extended service life**



Excellent load-carrying capacity, durability, and resistance to impact and abrasion



The robust troughing configuration provides **effective belt support, stable tracking, and optimal material containment.**

APPLICATIONS / INDUSTRIES:

CEMENT & LIME

AGRICULTURE & GRAIN HANDLING

FERTILISER & CHEMICAL PROCESSING

MINING & QUARRYING

STEEL & METAL PROCESSING

PORTS, TERMINAL & LOGISTICS



HDPE / Steel Idlers (Return)

Steel return idlers are an essential component of belt conveyor systems. They support the return side (underside) of the conveyor belt after the material has been discharged. These idlers help maintain belt alignment, reduce belt sag, and prolong belt life.



HDPE



Steel

40 or 90 Drop Belt Width	Face Width	Hole Centre (A)	Ø127 Height (D) (40 drop)	Ø127 Height (D) (90 drop)	Slots (D)	Mass (Steel / HDPE)
450	536	686	26	11	14 x 25	9.74/5.10
600	688	838	26	11	14 x 25	12.08/6.20
750	840	990	26	11	14 x 25	14.42/7.20
900	994	1143	26	11	14 x 25	16.80/8.30
1050	1146	11296	26	11	14 x 25	19.14/9.40
1200	1298	1448	26	11	14 x 25	21.48/10.40
1350	1450	1600	26	11	14 x 25	23.82/11.50
1500	1602	1752	26	11	14 x 25	26.16/12.60

* Other sizes available on request

KEY FEATURES:



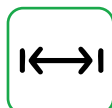
Exceptional Durability & Longevity:
Manufactured from high-grade steel to withstand heavy loads and harsh environments.



Low Maintenance & Operating Costs:
Sealed bearing housings prevent contamination, reducing wear and tear.



High Load-Bearing Capacity:
Designed to support the return side of the belt under significant weight.



Compatibility & Versatility:
Available in various sizes and designs (e.g., flat or V-return) to fit different systems.

APPLICATIONS / INDUSTRIES:

MINING INDUSTRY

Used in transporting ores, coal, and other minerals over long distances.

QUARRYING INDUSTRY

Used to move crushed stone, gravel, sand, and other aggregates.

CEMENT INDUSTRY

Integral to handling raw materials like limestone, clay, and cement clinker.

* Other sizes available on request

* Other sizes available on request



Corrosion and Abrasion Resistant: Surface treatments and sealed construction protect against moisture, dust, and abrasive materials.

PORTS, TERMINAL & LOGISTICS

Rubber Roughtop & Multipurpose Belting

Rough top conveyor belt comprise two or three ply with cut edges, carcass of NN/EP fabric, With the top covers made using wear-resistant rubber featuring non-slip surface, used for transporting light weight goods, such as sacks, boxes and parcels, on Inclined surface at angles of 35°.

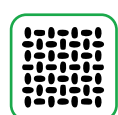
Bareback rough top belt allows less possibility of friction thus making these suitable for running over table as well as flat panel.

Rough top conveyor belt is specially designed for this purpose and has either a ridged rubber surface on top and bare back fabric/regular rubber back.

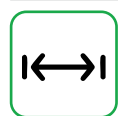


Description	Minimum Pulley Ø	N/mm @ 1% Elongation	Temp °C	Thickness mm	Kg/m ²
2 Ply Rough Top	160	21	-10 / +70	6.5	5.6
3 Ply Rough Top	200	31.5	-10 / +70	7.8	7.6
2 Ply Multipurpose	160	21	-10 / +70	3.3	4.3
3 Ply Multipurpose	200	31.5	-10 / +70	3.8	5
4 Ply Multipurpose	315	42	-10 / +70	5	6.6
5 Ply Multipurpose	400	52.5	-10 / +70	6.2	7.7
6 Ply Multipurpose	500	63	-10 / +70	7.6	9.3
8 Ply Multipurpose	630	84	-10 / +70	9.8	12.30

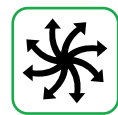
KEY FEATURES - RUBBER ROUGHTOP:



High Grip Surface: The rough-textured rubber top provides excellent traction, reducing slippage of materials—ideal for inclined conveying.



Customizable Options: Available in various widths, thicknesses, and ply counts



Versatile Applications: Suitable for moving a wide range of items like parcels, boxes, and bags.



Non-Marking: The rubber compound can be non-marking, making it suitable for handling white or sensitive materials without surface damage.

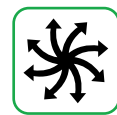
KEY FEATURES - MULTIPURPOSE



Flexible and Lightweight: Easy to install and maneuver around pulleys and conveyors, minimizing downtime and improving operational efficiency.



Cost-Effective Durability: Offers a reliable balance of performance and affordability, delivering long service life under moderate load conditions.



Versatile Application: Suitable for a wide variety of industries including agriculture, packaging, logistics, and light manufacturing.



Non-Marking Bare Back Surface: Ideal for operations where product surface protection is critical, such as transporting packaged goods or finished materials.

APPLICATIONS / INDUSTRIES:

**AUTOMOTIVE
SECTOR**

**COURIER
SECTOR**

**WOODWORKING
SECTOR**

**RECYCLING
PLANTS**

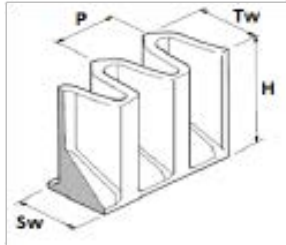
**SCRAP MATERIAL
PROCESSING**

Steep Incline Angle Belting

Conveyor belting that is reinforced or supported by steel angle sections. It's used in heavy-duty industrial applications where strength, durability, and resistance to impact or heavy loads are critical. Pocket Type Belting: Equipped with sidewalls and cleats for steep incline conveying up to 90°. Features top-quality rubber sidewalls up to 400mm high and T, C, and TC cleats up to 360mm, with a cross-stabilized base belt for maximum conveying performance.

Special classes, grades, and profiles can be imported upon request.

Belt selection calculations are available through our technical department for optimal performance.



Sidewalls						Cleats				
Height	SW	TW	P	kg/m	Min Pulley ø	Type	Height	Base	Kg/m	Min Pulley ø
40	35	30	30	0.6	125	TC	35	55	0.55	100
60	50	45	40	1.56	160	TC	55	80	1.45	125
80	50	45	40	1.8	200	TC	75	80	1.8	150
120	50	45	40	2.23	250	TC	110	110	2.8	315

KEY FEATURES:



High tensile strength



Excellent resistance to impact, abrasion, and tearing.



Withstands harsh environments (heat, oil, moisture).



Often custom-fabricated for specific conveyor systems.

APPLICATIONS / INDUSTRIES:

**QUARRIVING
SECTOR**

**MINING
SECTOR**

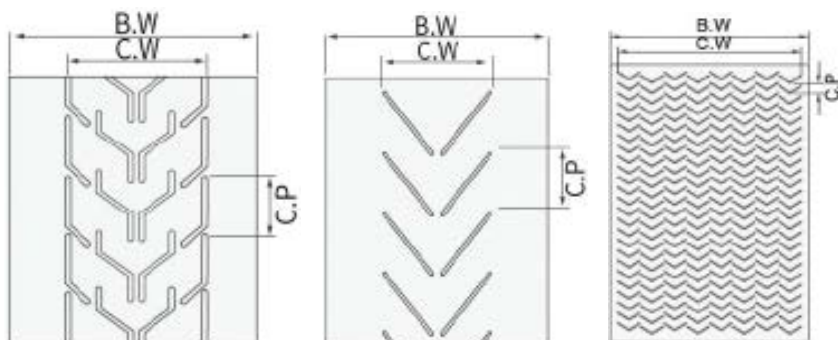
**HEAVY MATERIAL
HANDLING**



Chevron Belts

Chevron belts are specially designed conveyor belts featuring a distinctive V profile or paddle profile that enhances their ability to transport materials efficiently. These belts are constructed without joints in the carcass, ensuring a seamless design that contributes to a longer service life. The cleats and top cover rubber are integrally vulcanized, providing exceptional durability and performance. Each cleat pattern, angle, and pitch is meticulously engineered to maximize material handling capabilities. Available in various types, including open V, closed V, and other specialized patterns, these belts offer different depths, ranging from 15mm to 25mm, to accommodate a wide range of applications, from high to medium load transportation.

TYPES:



* Other types available on request



Description	Plies	Thickness of base (mm)	Thickness with profile (mm)	Width (mm)
C250/2 3.2 x 1.6 Deerhorn	2	6	21	450-1200
C250/2 3.2 x 1.6 Open V	2	6	21	450-1200
C300/3 3.2 x 1.6 Open V	3	8	23	450-1200
C300/3 3.2 x 1.6 Deerhorn	3	8	23	450-1200
C315/3 3.0 X 1.5 V6 Chevron	3	8	23	1350

KEY FEATURES:

	Chevron profile design provides excellent grip on steep incline and decline conveyors		High-quality rubber covers offer good abrasion resistance and long service life
	Prevents material rollback, spillage, and loss during conveying		Flexible construction allows smooth transition over pulleys and idlers
	Suitable for conveying loose, bulk, and bagged materials		Reduces the need for cleats or sidewalls, simplifying conveyor design and maintenance
	Available in various chevron heights and patterns to suit different angles and capacities		

APPLICATIONS / INDUSTRIES:

AGRICULTURAL
SECTOR

MINING
SECTOR

RECYCLING
SECTOR

CONSTRUCTION
SITES



Conveyor Belt Fasteners

BSS SCREW TYPE

Screw fasteners are flexible, rubber-based mechanical belt fasteners reinforced with steel cables, designed for high-tension conveyor belts and installed without the need for special tools or belt removal.



Specification	35	63	65	80	85	100	180	200
Belt Thickness	5/32" to 1/2" (3.97 to 12.7 mm)	5/32" to 1/2" (3.97 to 12.7 mm)		5/32" to 19/32" (3.97 to 15.08 mm)		5/32" to 19/32" (3.97 to 15.08 mm)	5/32" to 19/32" (3.97 to 15.08 mm)	5/8" to 7/8" (16 to 22 mm)
Max. Belt Strength (N/mm)	630	630		800		1,000	1,000	2,000
Max. Belt Tension (PIW)	200	375		440		700	700	1,200
Min. Pulley (.4 Bias Splice)	6" (150 mm)	8" (200 mm)		12" (304 mm)		14" (355 mm)	14" (355 mm)	30" (762 mm)
Top Thickness	3/16" - 1/4" (4.76 - 6 mm)	3/16" - 1/4" (4.76 - 6 mm)		1/4" - 5/16" (6.35 - 8 mm)		5/16" (8 mm)	5/16" (8 mm)	3/8" (9.52 mm)
Bottom Thickness	1/8" (3.17 mm)	1/8" (3.17 mm)		3/16" (4.76 mm)		3/16" (4.76 mm)	3/16" (4.76 mm)	3/16" (4.76 mm)
Roll Length	82' / 984' (25,000 mm)	82' / 984' (25,000 mm)		82' / 984' (25,000 mm)		82' / 984' (25,000 mm)	82' / 984' (25,000 mm)	50' / 600' (15,000 mm)

KEY FEATURES:



Fast and reliable mechanical splicing solution for rubber conveyor belts



Enables quick installation with minimal downtime and no specialised equipment



Provides strong, positive belt fastening with consistent splice strength



Suitable for temporary or permanent splicing applications



Ideal for emergency repairs and on-site installations



Allows easy belt removal, shortening, or replacement when required



Compatible with a wide range of rubber conveyor belt types and thicknesses

APPLICATIONS / INDUSTRIES:

- Mining
- Quarrying
- Cement and lime
- Power generation
- Agriculture and grain handling
- Recycling and waste management
- Ports and bulk terminals
- General industrial processing
- Emergency belt repairs
- Temporary or permanent belt splicing
- On-site belt installation where hot splicing is not practical
- Short conveyor systems and transfer points



Conveyor Belt Fasteners

RIVET HINGED FASTENERS

Rivet hinged fasteners are heavy-duty mechanical belt fasteners that use driven rivets to secure high-strength plates to the belt, forming a flexible hinge joint designed for high-tension, high-impact conveyor applications.



Flexco® Rivet Hinged Fastener Selection Chart

Fastener Size	For Belts with Mechanical Fastener Ratings Up to:		Belt Thickness Range		Recommended Min. Pulley Diameter	
					Operating Tension Under 100% of Belt Rating	
	P.I.W.	KN/m	in.	mm	in.	mm
R2	330	60	1/8 - 3/8	3 - 10	5	230
R5	450	79	7/32 - 7/16	6 - 11	9	230
R5-1/2	650	114	5/16 - 19/32	8 - 15	12	300
R66	800	140	13/32 - 11/16	10.5 - 17	18	450
R6LP	800	140	5/16 - 23/32	8 - 18	3 - 101.8	450
R8	1500	263	13/32 - 11/16	10.5 - 17	18	450
R9	2000	350	5/8 - 1	16 - 25.5	42	1050

BOLT SOLID PLATE FASTENERS

Bolt solid plate fasteners are rigid mechanical belt fasteners that use high-strength bolts to clamp solid plates onto the belt, creating a strong, non-hinged splice suited for low- to medium-tension conveyor applications.



Flexco® Bolt Solid Plate Fastener Selection Chart

Fastener Size	For Belts with Mechanical Fastener Ratings Up to:		Belt Thickness Range		Recommended Min. Pulley Diameter (90°)					
					Operating Tension 75 - 100% of Belt Rating		Operating Tension 50-75% of Belt Rating		Operating Tension Under 50% of Belt Rating	
	P.I.W.	KN/m	in.	mm	in.	mm	in.	mm	in.	mm
1	150	30	3/16-7/16	5-11	12	300	10	260	8	200
140*, 140VP	225	40	3/16-7/16	5-11	14	360	12	300	10	250
190, 190VP	375	65	5/16-9/16	8-14	18	460	16	410	14	360
1 - 1/2	300	50	7/16-11/16	11-17	18	460	16	410	14	360
2, 2VP	440	75	9/16-13/16	14-21	30	760	28	710	24	610
2 - 1/4	620	105	9/16-1-3/16	14-30	36	920	34	860	34	860
2 - 1/2	450	75	3/4-1	19-25	42	1070	42	1070	42	1070
3	560	100	15-16 & over	24 & over	48	1220	48	1220	48	1220

Flexco® Rivet Solid Plate Fastener Selection Chart

Fastener Size	For Belts with Mechanical Fastener Ratings Up to:		Belt Thickness Range		Recommended Min. Pulley Diameter (90°)					
					Operating Tension 75 - 100% of Belt Rating		Operating Tension 50-75% of Belt Rating		Operating Tension Under 50% of Belt Rating	
	P.I.W.	KN/m	in.	mm	in.	mm	in.	mm	in.	mm
BRG	400*	70*	1/4 - 21/32	6.5 - 17	14	350	-	-	-	-
BR10	650	114	7/32 - 11/16	6 - 17	18	450	16	400	14	350
BR14	800	140	13/32 - 15/16	10 - 24	36	900	34	860	34	850



Splicing Accessories

GLUES:

High-performance, cold-vulcanising adhesive designed for reliable splicing and repairs of rubber conveyor belting. Delivers excellent bond strength, fast curing, and long-lasting durability under demanding operating conditions. Suitable for on-site installations, repairs, and maintenance, reducing downtime and ensuring consistent belt performance

PRODUCT INFO:

1kg Tin + Hardener



REPAIR STRIPS:

Durable rubber repair strips designed for fast and effective repair of damaged conveyor belts. Used to reinforce worn or torn areas, seal longitudinal cuts, and extend belt service life. Suitable for cold-vulcanised repairs, offering strong adhesion, flexibility, and resistance to abrasion and impact.

PRODUCT INFO:

10m rolls x 50/70/100/150/220/300mm widths available.



TOOLS:

Splicing consumables for belt preparation, ply separation and splice care.

PRODUCT INFO:

From rubber mallets, Hawkbill plyknives, spiked rollers to double-acting roller stitchers





Pulley Lagging

Rubber Pulley Lagging

High-quality rubber lagging applied to conveyor pulleys to improve belt traction, reduce slippage, and protect pulley shells from wear and corrosion. Enhances power transmission, extends belt and pulley life, and ensures reliable performance in wet, dusty, or high-load operating conditions.



Rubber Slide Lagging

Replaceable rubber slide lagging designed for conveyor pulleys fitted with steel slide rails. The modular slide design allows fast on-site installation and replacement without removing the pulley, significantly reducing downtime. Provides improved traction, protects the pulley shell from wear and corrosion, and ensures reliable belt grip in bulk material handling applications.



KEY FEATURES:

	Replaceable slide / rail design for quick on-site installation		Durable elastomer compounds for long service life
	No pulley removal required, reducing downtime		Suitable for heavy-duty and bulk material handling applications
	Improves belt traction and reduces slippage		Cost-effective alternative to bonded pulley lagging
	Protects pulley shell against wear and corrosion		

APPLICATIONS / INDUSTRIES:

**MINING
INDUSTRY**

**AGRICULTURE
INDUSTRY**

**CONSTRUCTION
INDUSTRY**

**MANUFACTURING
INDUSTRY**

Used for transporting lightweight to medium-weight materials like coal, grain, sand, wood, or gravel.



Impact Beds & Bars

Tru-Trac Impact Beds are designed to provide protection to your conveyor belt from impact damage from large rocks which can put a stop to operations. Our standard impact beds provide impact protection for the conveyor belt, as well as helping to control spillage in the conveyor loading zones.



PRODUCT INFO:

Tru-Trac Impact Beds are engineered to absorb impact and prevent belt damage in high-load zones, such as conveyor transfer points. Designed for reliability in the world's toughest bulk handling environments, our impact beds provide consistent support, extend belt life, and reduce maintenance costs—ensuring safer, smoother operations across critical areas of your conveyor system.

KEY FEATURES:



High tensile strength



Excellent resistance to impact, abrasion, and tearing.



Withstands harsh environments (heat, oil, moisture).



Often custom-fabricated for specific conveyor systems.

APPLICATIONS / INDUSTRIES:

MINING	BULK MATERIALS HANDLING	CEMENT & LIME	POWER GENERATION
PORTS & TERMINALS	STEEL & METAL PROCESSING	FERTILIZER & CHEMICAL	AGGREGATE & QUARRYING

Belt Cleaners

PRIMARY SCRAPERS

Our original Tru-Trac® Primary Skalper Scraper has been installed and has solved carry-back problems all over the world. The simple and highly effective belt scraper removes carry-back effectively and efficiently.



			
Blade Type	IV	HT	UHT
Colour	Red	Black	White
Material	Polyurethane	Polyurethane	Polyurethane
Durometer	85	85	95
Temp Range	Minus 28 - 82	Minus 28 - 107	Minus 28 - 148
Max Belt Speed	4 m/s	6 m/s	6 m/s

KEY FEATURES:

- Installed at the head pulley for effective removal of carryback.
- High-efficiency blades (polyurethane, rubber, or carbide options).
- Protects return idlers, pulleys, and conveyor structures
- Reduces material build-up and spillage
- Improves conveyor efficiency and belt life
- Easy blade tensioning and maintenance-friendly design
- Suitable for heavy-duty and abrasive applications

APPLICATIONS / INDUSTRIES:

- Mining & Minerals
- Quarrying & Aggregates
- Cement & Lime
- Power Generation
- Agriculture & Grain Handling
- Ports & Bulk Terminals

PRIMARY SCRAPERS

Superior cleaning for the toughest mining applications The Tru-Trac® Razorback HD is a secondary heavy duty belt scraper designed for high speed and high tonnage mining conveyor systems running in the most aggressive environments.



The heavy-duty replaceable blade, constructed from our proprietary carbide-nickel chrome formulation tips, together with our MDX heavy duty reinforced rubber cushions, provides the ultimate cleaning performance and extended wear life.

PRODUCT INFO:

Primary, secondary, rotary brush and V-Plough belt cleaners. Equipped with Tungsten, Carbon and Poly Blades. Widths from 12"-60"

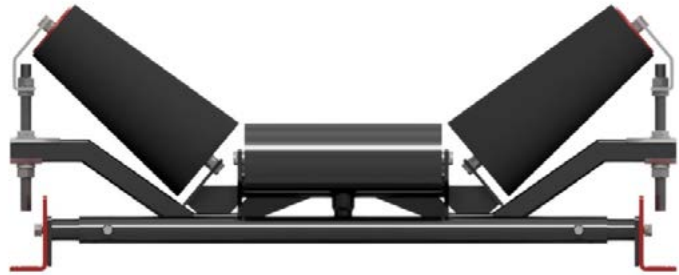
APPLICATIONS / INDUSTRIES:

MINING	BULK MATERIALS HANDLING	CEMENT & LIME	POWER GENERATION
PORTS & TERMINALS	STEEL & METAL PROCESSING	FERTILIZER & CHEMICAL	AGGREGATE & QUARRYING



Taper Trough Trackers

The patented Tru-Trac® Taper Trough Tracker offers the ultimate in tracking performance on the load-carrying side of conveyor belts. Mastered over 15 years of design and innovation, this design is highly responsive and quick to activate on both loaded and unloaded conveyor systems.



Due to the taper wing rollers being inline, the Taper Trough Tracker can operate on both Uni-directional or Bi-directional conveyor belts. The tracking is done by the tapered wing rollers which are lagged, designed to be compatible with 35° and 45° belts. The tapered wing rollers activate the tracker immediately, as the belt moves off centre, ensuring that there is no 90 degree contact with the belt edges.

PRODUCT INFO:

Taper trough belt trackers are conveyor alignment devices designed to guide and center the belt using tapered rollers or idlers that apply corrective forces toward the conveyor's centerline. They help maintain proper belt tracking, reduce edge wear, improve material containment, and minimize unplanned downtime

KEY FEATURES:



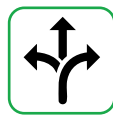
Highly responsive tapered wing roller design for quick belt correction



Heavy-duty centre pivot ensures continuous, reliable tracking



Works on both uni-directional and bi-directional conveyors



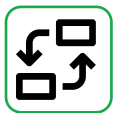
Flexible construction allows smooth transition over pulleys and idlers



Compatible with standard trough angles



Lagging options: high abrasive rubber, polyurethane, fire retardant (FRAS)



Individual rollers can be replaced as they wear



Operates effectively in wet or dry conditions

APPLICATIONS / INDUSTRIES:

**MINING
INDUSTRY**

**QUARRYING
INDUSTRY**

**PROCESSING
PLANT CONVEYOR**

Anywhere belt misalignment leads to spillage, edge damage, or downtime



Continuous Rubber Skirting

The Tru-Trac Double Handle Clamp eliminate spillage and dust in the conveyor transfer point. Provides highly reliable positive seal in the conveyor load zone. The clamps installs easily and allows for one person to replace or reposition skirting rubber.



PRODUCT INFO:

Continuous rubber skirting is a flexible sealing system installed along conveyor loading zones to contain material on the belt and prevent spillage and dust escape. It provides a continuous seal against the belt surface, improving material control and reducing wear on conveyor components.

KEY FEATURES:

**Effective Dust & Spillage Control:**

Forms a positive seal at loading and transfer points to keep fines and dust contained. Helps reduce environmental issues and health hazards from airborne dust

**Belt Protection:**

Designed with rubber compounds that are gentle on the belt's top cover to avoid damage

**Versatile and Compatible:**

Compatible with most conveyor mounting systems and structures. Available in various widths and standard roll lengths to suit different conveyor sizes

**Cost-Effective and Low-Maintenance:**

Typically lower initial cost than complex segmented skirting systems. Continuous rubber skirting is simple to install and maintain, ideal for many general conveyor sealing applications

**Sealing Performance:**

Some continuous skirting variants (e.g., Tru-Skirt) employ multi-layer or 'triple action' sealing designs that use multiple surface contact points to better contain material and fines.

APPLICATIONS / INDUSTRIES:

**MINING
& QUARRYING**

**BULK MATERIAL
HANDLING**

**AGGREGATES &
CONSTRUCTION
MATERIALS**

**CEMENT &
MINERALS
PROCESSING**

Drive & Driven Pulleys

Drive and driven pulleys are the heart of any conveyor system. The drive pulley transfers power from the motor to move the belt, while the driven (tail) pulley guides the belt and maintains proper tension. Understanding the role of each pulley is essential for reliable conveyor performance and longer belt life.



KEY FEATURES:

	Drive Pulley (Head Pulley)		Driven Pulley (Tail Pulley)
	Located at the discharge (head) end of the conveyor.		Located at the loading (tail) end of the conveyor.
	Powered by the motor and gearbox.		Not powered - rotates as the belt moves.
	Provides the traction to move the conveyor belt.		Changes the belt's direction and returns it to the drive pulley.
	Often fitted with rubber or ceramic lagging to increase grip and reduce slippage.		Helps maintain belt alignment and tension.
	Transmits the conveyor's driving force to the belt.		Can be used with a take-up system to assist with belt tensioning.

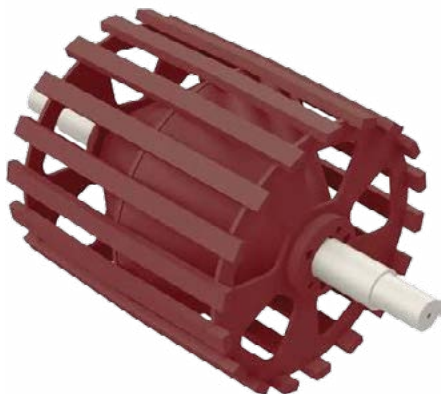
APPLICATIONS / INDUSTRIES:

MINING & QUARRYING	AGRICULTURE & GRAIN HANDLING	FOOD & BEVERAGE	PACKAGING & DISTRIBUTION
AUTOMOTIVE MANUFACTURING	WAREHOUSE & LOGISTICS	RECYCLING & WASTE MANAGEMENT	WOOD, PAPER & PULP



Slatted Pulleys (Grain Silos)

Dust, grain and fines can quickly build up on a conveyor. That's where slatted pulleys come in—they're designed to shed material and keep your system running efficiently.



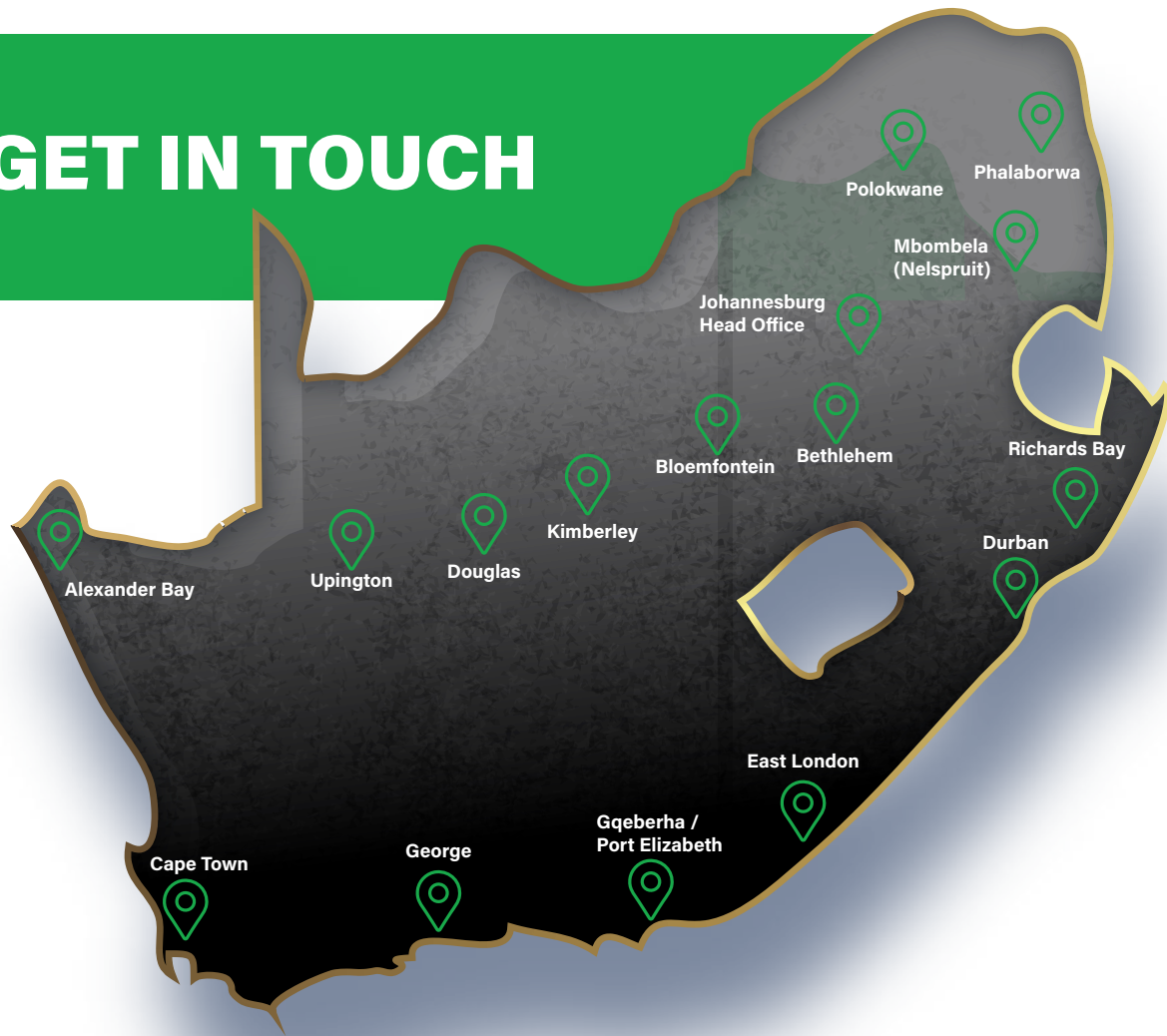
KEY FEATURES:

	Open slatted (wing) design allows material to pass through instead of building up.		Helps reduce belt slippage caused by packed material.
	Reduces carryback and prevents material accumulation on the pulley.		Ideal for dirty, dusty, and free-flowing bulk materials.
	Minimizes belt wear caused by trapped grain, dust, and fines.		Available with replaceable wing sections on some designs for easier maintenance.
	Improves belt tracking by preventing uneven material build-up.		Suitable for use as tail pulleys and in other return-side conveyor positions.

APPLICATIONS / INDUSTRIES:

GRAIN HANDLING & GRAIN ELEVATORS	SILOS & STORAGE FACILITIES	AGRICULTURE & FEED MILLS	FEED PROCESSING PLANTS
RICE, MAIZE & WHEAT PROCESSING	FERTILIZER PLANTS	WOOD CHIPS, SAWMILLS & BIOMASS	CEMENT, LIME & AGGREGATE

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