

# Conveyor Accessories



ALL RUBBER

PRODUCT INFORMATION



# Accessories for reliable, productive and safe systems.

Complementing your system with the right conveyor accessories will ensure your conveyor system is running smoothly and efficiently. It can also extend the life of your system and facilitate long-term reliability, productivity and safety.

## TECHNICAL ISSUES RESOLVED

If you're having problems with your belt and are unsure of how to resolve it, our team will be able to talk you through your options and find the right conveyor accessories to assist. Whether it's spillage or tracking issues, we'll find a solution.

We have the capacity to install conveyor accessories and provide ongoing maintenance for your system too. This will ensure you're up and running as soon as possible and your system is always running in peak condition.



# Pulleys



## REDUCE WEAR SAVE ON COSTS

Conveyor belt pulleys are a critical component of all conveyor systems and are generally lined with rubber lagging or ceramic lagging to reduce slippage between the steel drive pulley and the conveyor belt. This reduces wear on your system and therefore maintenance costs. It will also extend the life of your conveyor belt.

## RUBBER LAGGING FOR CONVEYOR BELT PULLEYS

There are a number of different types of rubber lagging you can use to protect your conveyor belt pulleys and ensure they are tracking correctly. We use a unique product called Kolag that is produced in a unique 'arrowboss' pattern for superior grip and water shedding.



## CERAMIC LAGGING FOR CONVEYOR BELT PULLEYS

Ceramic pulley lagging is a lot more wear resistant than conventional rubber lagging and is especially suitable for wet or muddy applications. Ceramic tiles are designed with a dimple profile to ensure there is minimal slippage between the belt and drive pulley.

# Rollers and Idlers

Quality rollers and idlers are integral to a high-functioning, long-lasting conveying system.

## ROLLER SELECTION

Choosing the correct roller or idler selection can help reduce noise and power requirements as well as increase the life of your system. We provide high quality rollers in a variety of different fabricated shells, depending on your requirements.

## PREMIUM ROLLERS AND IDLERS

Our rollers have precision bearings fitted in the housing. The bearings and housing are specific to the function and use of the roller. We use the highest tolerance CNC machined shafts, resulting in a premium standard of manufacturing.

## CHOOSING THE RIGHT ROLLERS AND IDLERS

The type of roller you require depends on the purpose it performs and the environment its running in. The weight of your conveyor belt will also have an impact. Rollers are generally made from steel, rubber or HDPE (High-Density Polyethylene), each of which have different properties and are used for different purposes.



**STEEL** idlers and return rollers are a standard product for general purpose conveying.



**RUBBER** disc return rollers and rubber disc impact rollers are generally used to absorb shock or when a sticky wet product is being conveyed.



**HDPE.** Poly idlers and return rollers (with options of HDPE, PVC or nylon shells) are used for corrosive environments, or the belts are carrying a sticky product.

# Belt Cleaners

Carryback is a leading issue on many conveyor belt systems. Without an effective belt cleaner, frequent clean- up is required, and it can cause conveyor components to wear out prematurely.

## PRIMARY BELT CLEANERS

Primary belt cleaners or precleaners are designed to scrape material off the conveyor belt. They are mounted to the head pulley and are used for removing large pieces of material. They typically reduce carryback by about 60-70 per cent and are available in a variety of widths and blade types that can tackle particularly stubborn material.

## SECONDARY BELT CLEANERS

Secondary belt cleaners are designed to scrape materials left on the belt beyond the head pulley and can increase belt cleaning efficiency by more than 90 per cent.

They are located just past where the belt leaves the head pulley and can be anywhere else down the beltline. They have a number of applications and polyurethane, carbide, and brush options are available.

## RANGE OF BELT CLEANERS

The type of belt cleaner you require will depend on the materials being conveyed and how your belt is furnished. We provide belt cleaners for spliced, vulcanized and metal fastened belts and offer a full suite of Flexco products due to their high quality and efficiency. Our sales team will help you find the right belt cleaner for your needs and help you ensure it's installed and maintained properly.



*Belt cleaners are an important aspect of your conveyor belt system because of their ability to reduce carryback – the material that sticks to the belt after it leaves the discharge of the head pulley and builds up underneath the belt. The will protect and maintain your system.*

# Belt Ploughs

Conveyor belt ploughs provide protection to items within your conveyor system by removing any residual product on the return side of the conveyor belt.

## V PLOUGHS

Designed to be used on single direction conveyor belts, V ploughs divert residual material on the return side of the conveyor to both sides of the belt, cleaning the inside of the belt and helping eliminate lagging problems. They're available in either floating or torsion models.

## DIAGONAL PLOUGHS

Diagonal ploughs are also used on single direction conveyors but divert residual material on the return side of the conveyor to just one side of the belt. This can be advantageous when access for cleaning and maintenance is poor on one side of the conveyor belt. They're available with either screw or spring tensioning.

## REVERSE PLOUGHS

Reverse ploughs are designed to be used on reversing conveyors. We supply both V and diagonal reverse ploughs, and they're available with either screw or spring tensioning.

## SUPERIOR CLEANING

The Flexco belt ploughs we provide, effortlessly spiral material off the conveyor belt due to their uniquely angled blades. They are made from specially formulated UHMWPE polyurethane, which delivers long wear life and less belt friction. Our belt ploughs discharge debris to one or both sides of the belt and have a versatile mounting hardware that fits virtually any conveyor structure. Multiple sizes are also available to accommodate various belt widths.



# Belt Trainers

Belt trainers assist with tracking and alignment issues that can damage your conveyor belt. They automatically react to changes within a conveyor system and redirect the belt back to the centre of the conveyor.

## INSTALLATION

Installing belt trainer devices in strategic locations along your conveyor belt can have a huge impact on the functional ability of your system and increase its service life dramatically.

## RANGE OF BELT TRAINERS

We offer the Flexco line of belt trainers that employ a unique and highly effective tracking action that is non-damaging to the conveyor belt.

Using a combination of friction and tension, Flexco's unique 'pivot and tilt' technology is integrated into many of their designs, responding and compensating immediately to belt misalignment.

## ADDRESS TRACKING ISSUES EARLY

Don't allow a slight malfunction to become a much larger issue later on. Addressing tracking issues early on will prove a cost-effective choice in the long run. We provide a wide range of belt trainers that can operate in wet or dry conditions and are suitable for medium or heavy-duty operations.



# Belt Fasteners

Our mechanical belt fasteners combine strength and durability for a quick and easy splicing option. They're a great repair choice when you need to get your belt up and running as quickly as possible. With fast and easy installation, you'll have your belt up and running with limited disruption to your business.

## MAINTENANCE FOR BELT FASTENERS

We offer a complete and thorough maintenance service. Our highly skilled technicians can perform any necessary repairs quickly and efficiently, ensuring disruption remains at a minimum.

### PREFER DIY?

For clients preferring to perform their own maintenance, we offer an extensive range of clips, fasteners, rivet strips, hinge pins and tools. Belt lifters and clamps are also available.

## RANGE OF FLEXCO BELT FASTENERS

We supply the full range of Flexco belt fasteners which can suit a wide range of applications from mining to food grade belts.

### BOLT HINGED FASTENERS

#### Belt Thickness: 6 to 16mm

Ideal for applications that use smaller pulleys but still require a high strength dependable splice.

### BOLT SOLID PLATE

#### Belt Thickness: 5 to over 24 mm

Engineered to meet the demands of the toughest materials handling applications, these provide a strong sift-free splice with superior holding ability.

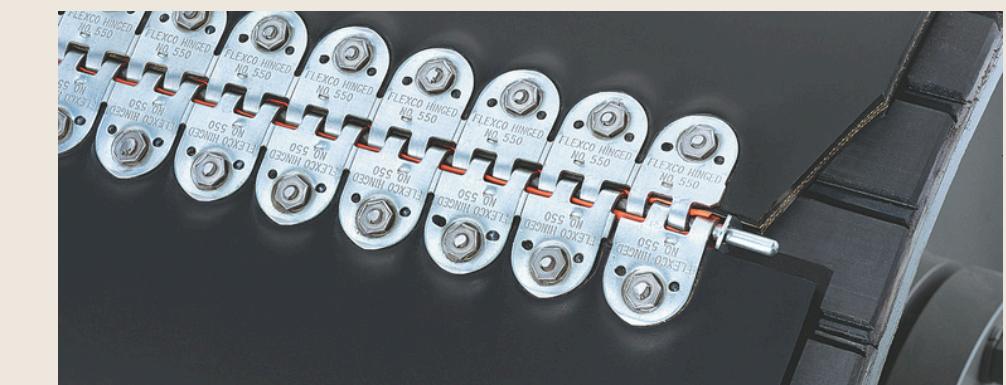
### RIVET HINGED

#### Belt Thickness: 3 to 25 mm

Addresses the most demanding materials handling applications, delivering optimum performance, long life and easy installation.

### STAPLE

Used for smaller belts.



## BELT FASTENER MATERIAL

To maximise the service life of your belt fasteners, the material used must be matched to the application. We provide 12 types of belt fastener material but below are the most commonly used ones.

### STEEL

Standard fastener material that helps combat mild corrosion.

### STAINLESS STEEL

Provides extra resistance to abrasion, magnetic attraction and corrosion from acids and chemicals.

### MEGALLOY

Features superior wear and abrasion resistance with several times the service life of steel.

### RUSTALLOY

Low chrome, stainless steel alloy that resists corrosion from mine water and other types of chemical attack.

# Impact Beds

The most important function of impact beds is to provide comprehensive protection of the belt from damage by falling material. We offer a full range of Flexco impact beds, who have engineered superior belt protection into the entire structure of their impact beds (not just the bars).

## CHOOSING A FLEXCO IMPACT BED

As a general rule, if you weigh your largest material lump and multiply it by the drop height, you'll be able to work out what impact bed is correct for supplying the right reduction in impact energy and reaction forces.

Whether you're focused on low-impact applications like sand and gravel or high impact applications like coal-fired power plants or load-out facilities, we'll have an option to meet your load zone needs.

## RANGE OF IMPACT BEDS

### DRX IMPACT BEDS

Robust construction that incorporates exclusive velocity reduction technology. This controls acceleration to reduce impact energy and reaction forces, providing unmatched belt protection.

### MODULAR IMPACT BEDS

Engineered with maximum capacity in mind, ensuring full containment in and around the load zone. The system is based on a 600 mm sectional footprint which allows you to control your impact zone design by using an all-bar section in high-impact areas and a slider impact section where you require lower impact resistance or sealing. When both styles are used together you can achieve ultimate performance in your load zone.

### SLIDER IMPACT BEDS

Designed to provide containment around the load zones. Long-lasting slider bars combined with a high-performance roll ensures these impact beds effectively seal the load zone and minimize drag on the belt.



Sturdy components, robust construction and convenient maintenance make the Flexco line of impact beds incredibly durable and efficient. Many of the impact beds feature universal components and can be used together with skirting systems for a complete load zone solution.

# Skirting Rubber

Skirting rubber is mainly used in the mining industry. It runs along the length of a conveyor belt and attaches to the edge as a side skirt. It is manufactured in the form of soft sheets and strips and provides an effective way of reducing spillage of materials and dust over the sides of a conveyor system.

## MINIMISE BELT WEAR

Skirting rubber is particularly effective in busy loading areas where dust and spillage is a constant problem. The soft rubber design wears preferentially to the belt covers and flexes out of the way to minimise belt wear.

## SKIRTING RUBBER HARDNESS

We use STD 60 Duro for our skirting rubber - a general purpose grade, natural rubber suitable for many quarrying and mining applications.

Recycled rubber of higher hardness can also be used but is limited to areas where belts suffer high damage and wear.

This option is available in normal grade (15 metre rolls) and premium grade (30 metre rolls).

## STANDARD THICKNESSES

6, 10, 12, 16 and 20mm

## WIDTHS

80 – 1200mm (can be cut to any width)

## ROLL LENGTH

30mm





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