

ASGCO[®]

Complete Conveyor Solutions

EST. 1971

PRODUCT CATALOG

PRODUCTS AND SERVICES THAT LEAD TO SOLUTIONS.



ASGCO®

Complete Conveyor Solutions

ABOUT US

PRODUCTS AND SERVICES THAT LEAD TO SOLUTIONS

At ASGCO®, our core motivation is to solve problems. We love a challenge, and thrive under pressure. We don't just provide the highest quality products and service; we deliver solutions.

Providing solutions for your conveyor issues is at our core. From engineers to designers, from technicians to product specialists. It's what drives everyone at ASGCO®, and the job is never done until our customer is satisfied.....**IT'S OUR Warranty!**



MAXIMIZING EFFICIENCY

A HERITAGE OF INNOVATION

Founded in 1971, by Alfred S. Gibbs and his son Todd, ASGCO® has pioneered some of the most effective products for improving bulk material handling. We believe in taking care of the customer with great quality products and exceptional service. This belief has made us a trusted partner worldwide for over 50 years.



INCREASING PRODUCTIVITY

FOCUSED ON SOLUTIONS

At ASGCO® we continue to strive to make the handling of bulk materials cleaner, safer, and more efficient. No matter the assignment, we always seek ways to increase production and reduce operating costs. ASGCO® uses innovative products and engineered solutions to solve problems proactively.



IMPROVING SAFETY

JUST ASK ASGCO!

Our company has extensive resources to communicate with all employees. These include, a employee website, a quarterly safety newsletter, many paycheck stuffers, on-site tailboard talks, along with a variety of other means to communicate the elements of our safety program. An active Safety Committee member is in each department of the company.

“ Today, ASGCO® “Complete Conveyor Solutions” is recognized as the worldwide leader in bulk conveyor material handling systems. ”

TOTAL SATISFACTION Warranty

“Our (TSG) policy will ensure that our products and services have performed above and beyond our customers’ expectations. We have built our reputation for retaining and growing our customer base by solving complex application problems using our expertise, innovative products and exceptional service.

The result of these activities is to provide a standard of service that exceeds all previously available to the conveyor systems industry.

Sincerely,”

Aaron Gibbs, President

OUR PROMISE...

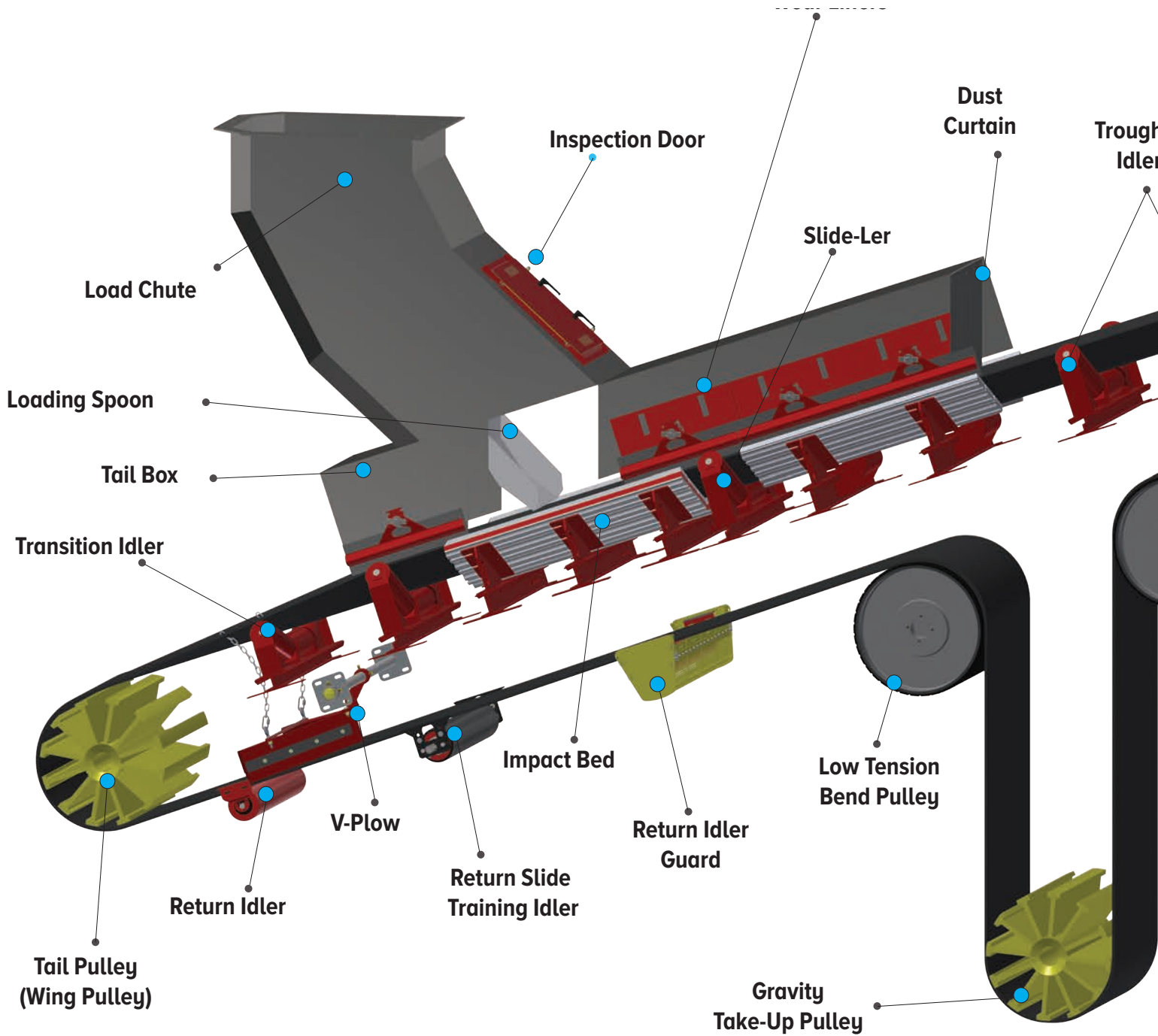
Applies to every client, every time.
Always think and work towards solutions that are best for the customer in the long term.
Develop and sell products that satisfy the practical working needs of our customers.

EFFICIENT, SAFE AND PRODUCTIVE

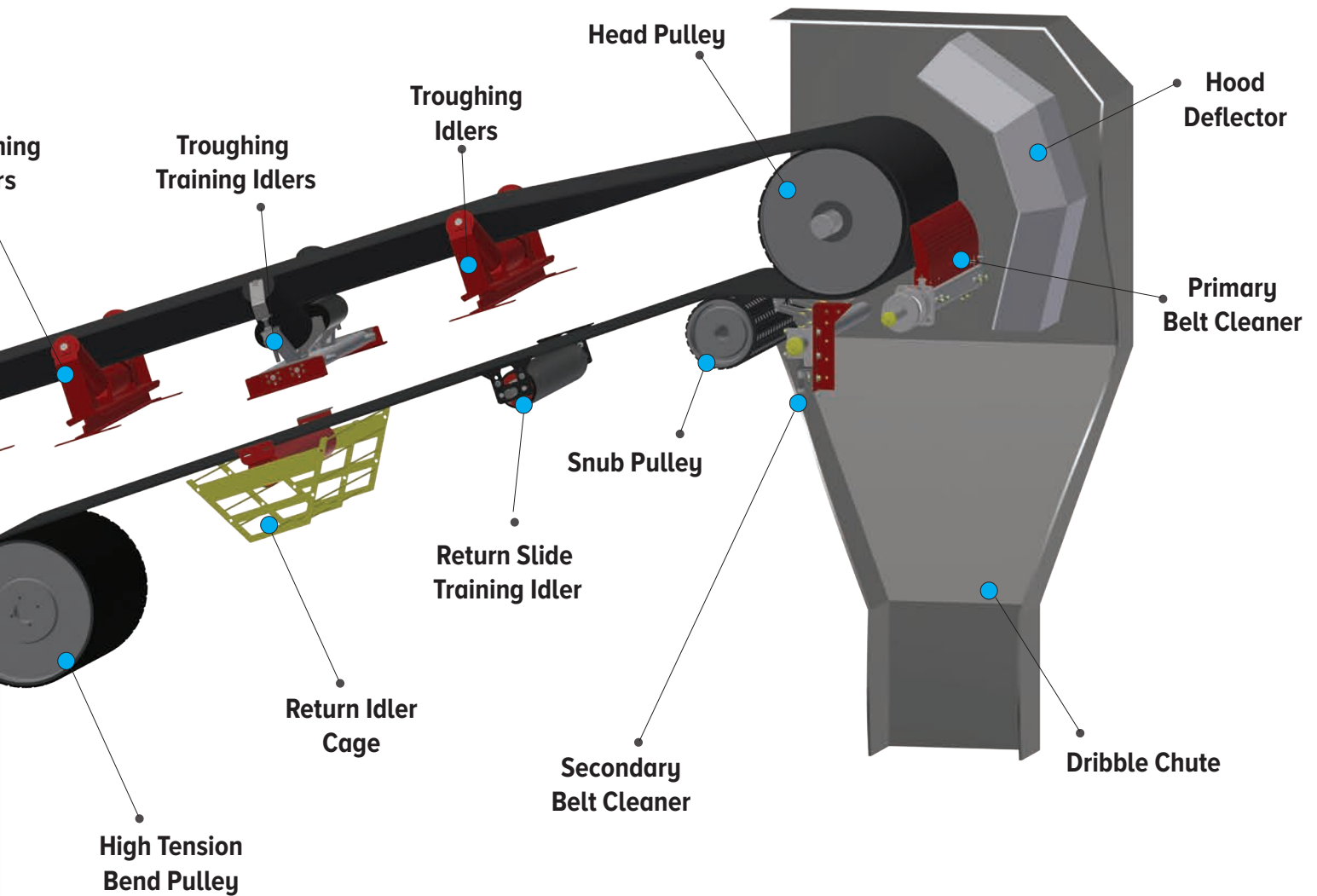
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“FROM THE HEAD P PULLEY AND EVERY



PULLEY TO THE TAIL "NOTHING IN BETWEEN."



“AT ASGCO® WE CONTINUE TO STRIVE TO MAKE THE HANDLING OF BULK MATERIALS CLEANER, SAFER, AND MORE PRODUCTIVE”

Our conveyor company is focused on developing cost-effective and technologically advanced products, specifically designed for optimum conveyor performance.

CHEMERS



BETTER DESIGNED. LONGER LASTING. MORE EFFICIENT.

THE IMPORTANCE OF BELT CLEANERS

At ASGCO® we recognize that conveyors are the product lifelines to any plant. It is important that all conveyor systems run efficiently in moving your products from one production unit to the next without failure or any unscheduled downtime.

Cleaning Systems Approach

- Cleaners work more efficiently in a system
- A system has multiple cleaners of any brand or type.
- Belt life is better with multiple lightly loaded cleaners, rather than one overloaded cleaner
- Adding water to the system will improve performance up to 75%

Selecting the Proper Belt Cleaner

- Space Available
- Vulcanized or mechanical laced belt
- Diameter of the head pulley
- Material and temperature of product being conveyed
- Belt speed
- Location available for proper installation
- Location of dribble chute, if any

PRIMARY / SECONDARY BELT CLEANERS

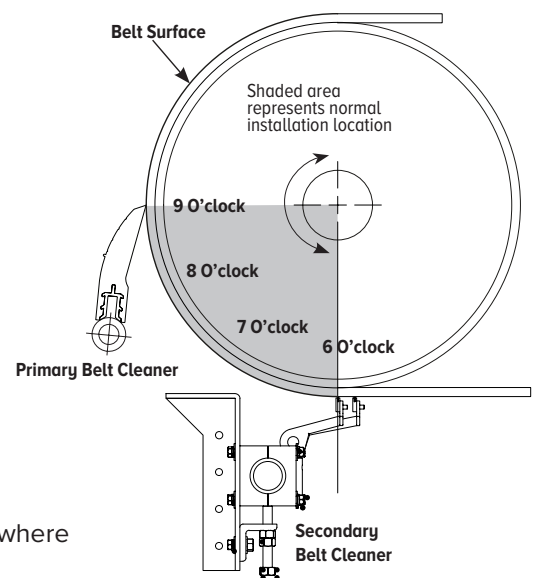
At ASGCO® our line of pre-cleaners come with the ability to match the blade to the material path to minimize the blade wear and reduce frequent retensioning and the need for replacement. We recommend multiple belt cleaners to be installed to provide effective cleaning on a conveyor system.

Primary or Pre-Cleaners

Installed on the face of the head pulley at a positive angle. It should be mounted directly below the trajectory flow of the material being discharged from the belt.

Secondary Cleaners

Installed after the belt leaves the head (discharge) pulley and/or anywhere on the return side of the belt to effectively remove the remainder of the material that has passed by the pre-cleaner. ASGCO®'s BC-2 Secondary Belt Cleaner shown, can be mounted at 6 O'Clock.



HIGH PERFORMANCE BLADE OPTIONS

ASGCO® is the leader in the development of high-performance urethane for specialized belt cleaner / belt scraper applications. Our urethane compound blades exceed most other competitors' blades in tensile strength and, most importantly, DIN Abrasion, the metric to test the wear characteristics of urethane compounds in the industry. All our blades are backed up with our "Total Satisfaction Warranty".

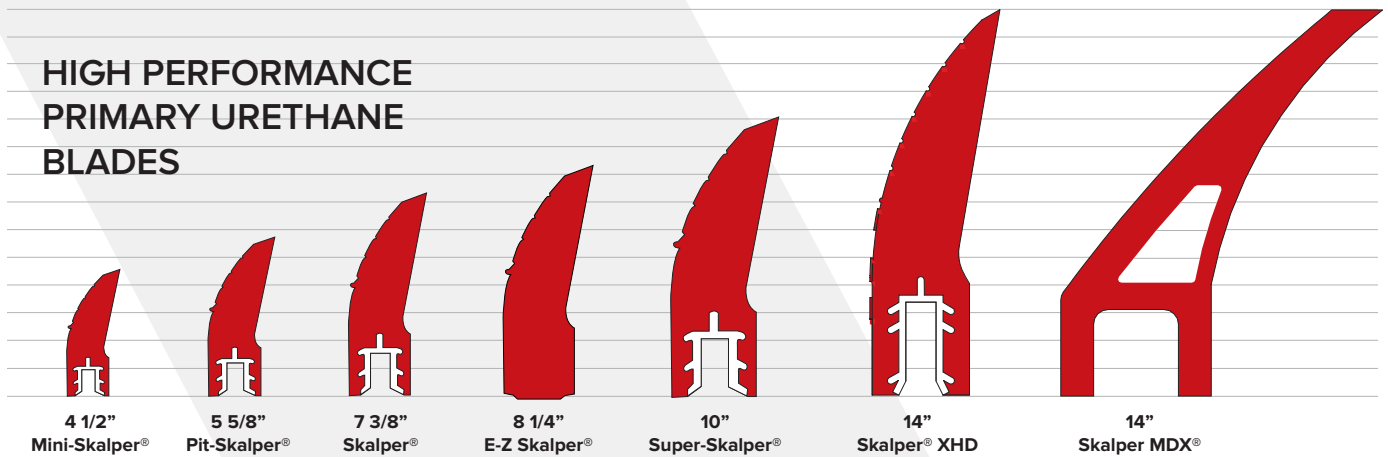
Urethane Blades

- Easy on the belt
- Works well with mechanical fasteners
- Economical
- For high temperature, chemical and abrasion resistance to handle any application








Tungsten Carbide

- Quick and easy blade installation and replacement
- Superior service life
- Self-adjusting blades ensure constant blade-to-belt contact
- C-Tips/Blades for mechanical splices
- V-Tip/Blades for vulcanized belts




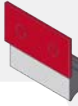




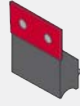


HIGH PERFORMANCE PRIMARY URETHANE BLADES



Primary Urethane Blades

Skalper® Blade Materials							
Blade Type	Skalper®IV	Skalper®III	Skalper®II	Skalper®HT	Skalper®UHT	Skalper®XC	Skalper®AR
Material / Description	Urethane / Abrasion Resistant	Urethane / General Use	Urethane / Extra Abrasion Rest.	Urethane / High Temp	Urethane / Ultra High Temp	Urethane with Ceramic Tips	Urethane / Acid Resistant
Temperature Range	-20-180°F -28 to 82°C	-20-180°F -28 to 82°C	-20-180°F -28 to 82°C	-20-225°F -28 to 107°C	-20-300°F -28 to 148°C	-40-225°F -40 to 107°C	-40-225°F -40 to 107°C
Use w/Mech. Fasteners	YES	YES	NO	YES	NO	NO	NO

Secondary Blades

Blade Materials											
Blade Type	TORO U-Tip	TORO F-Tip	TORO C-Tip	F-Tip	C-Tip	V-Tip	U-Tip	XC-Tip	MDX F-Tip	MDX C-Tip	MDX V-Tip
Material	Urethane	AR 400	Tungsten Carbide	AR 400	Tungsten Carbide	Tungsten Carbide	Urethane	Ceramic	AR 400	Tungsten Carbide	Tungsten Carbide
Temperature Range	-20-180°F -28 to 82°C	-20-180°F -28 to 82°C	-20-180°F -28 to 82°C	-20-400°F -28 to 204°C	-20-400°F -28 to 204°C	-20-400°F -28 to 204°C	-20-180°F -28 to 82°C	20-400°F -28 to 204°C	20-400°F -28 to 204°C	20-400°F -28 to 204°C	20-400°F -28 to 204°C
Use w/Mech. Fasteners	YES	YES	YES	YES	YES	NO	YES	NO	YES	YES	NO

OUR GUIDELINE FOR EFFECTIVE BELT CLEANERS ARE:

- Design for optimum clean with the least amount of pressure
- Position the blade out of the main flow of the material. If possible, install the belt cleaners in the main chute or an area that will be easily cleaned and maintained
- Primary blades should be no more than the width of the material being conveyed
- Engineered and designed to handle “worst case” conditions
- Designed for ease of maintenance
- Quick and simple replacement blade change
- Tensioners maintain tension throughout the life of the blade
- Inspection/access doors are critical to safely inspect and maintain belt cleaning systems

CLASSIFICATION OF APPLICATIONS

The Conveyor Equipment Manufacturers’ Association (CEMA) publishes a standard guide, titled “Classification of Applications for Bulk Material Conveyor Belt Cleaning” for the ranking of conveyor belt cleaners. The publication provides performance-based guidelines for specifying belt cleaners by establishing a specific formula for determining the level of difficulty in a given application. For end users, the standard is an objective means of determining a cleaner’s suitability for the plant’s material and operating conditions, allowing them to specify a cleaner most likely to meet their needs.

CEMA Ranking and Class System

The classification is built on a points system based on five key criteria in selecting the appropriate cleaner or cleaning system:

1. **Belt width**
2. **Belt speed**
3. **Belt splice type**
4. **Material abrasiveness**
5. **Material adhesion/moisture content**

Each of these criteria score points increase based on the impact it would have on the required cleaner. Wider belt widths, faster belt speeds, introduction of mechanical splices, increase in material abrasiveness and increasing the moisture content of the material all add to the point totals when scoring an application.

The results of scoring the application created five classes:

Total Score	Cleaner Rating
≤6	Class 1
7-10	Class 2
11-15	Class 3
16-23	Class 4
≥24	Class 5

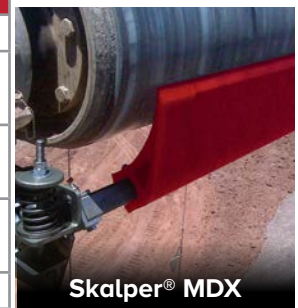
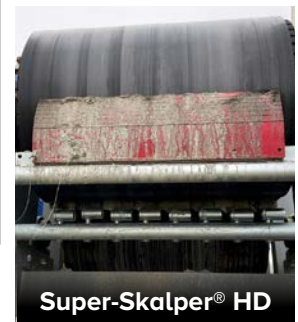
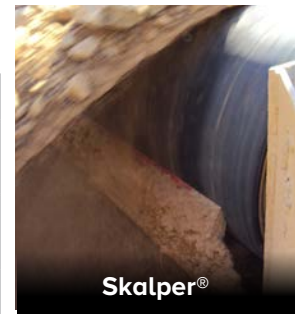
In accordance with this classification, you will find class ratings for ASGCO’s belt cleaners throughout this guide as another resource to assist you in choosing the correct cleaning system for your application.



PRIMARY BELT CLEANERS

Primary belt cleaners are installed at the 9 o'clock position on the face of the head pulley, referred to as the primary position. It should be mounted below the trajectory flow of the material being discharged from the belt. These are the most common type of belt cleaner.

Pre-Cleaner	Mini-Skalper®	Skalper®	E-Z Skalper®	Super-Skalper®	Skalper MDX™
Belt Width	18"-48" 450-1200 mm	18"-96" 450-2400 mm	18"-96" 450-2400 mm	36"-96" 900-2400 mm	36"-96" 900-2400 mm
Belt Speed	< 500 fpm 2.5m/sec.	< 1000 fpm 5.0m/sec.	< 1000 fpm 5.0m/sec.	< 1200 fpm 6.0m/sec.	< 1200 fpm 6m/sec.
Head Pulley Diameter	6-22" 150-550 mm	12"-36" 400-900 mm	18"-36" 400-900 mm	20" + 400 mm +	24" + 600 mm +
Primary Tensioners					
Force-1™	YES	YES	YES	NO	NO
E-Z Torque®	YES	YES	YES	YES	NO
Air-Shoc™ (Primary)	NA	NA	NA	YES	YES
Spring-Shoc™ (Primary)	NA	NA	NA	NA	YES
Belt Conditions					
OK on reversible belt?	YES	YES	NO	YES	YES
Blade Materials					
Skalper® IV	YES	YES	YES	YES	YES
Skalper® III	YES	YES	N/A	NO	NO
Skalper® II	YES	YES	YES	YES	YES
Skalper® HT	YES	YES	YES	YES	YES
Skalper® UHT	YES	YES	YES	YES	YES
Skalper® XC (Ceramic)	N/A	N/A	N/A	YES	YES
Skalper® AR	YES	YES	YES	YES	YES



Skalper® Blades

Blade Type	Skalper®IV	Skalper®III	Skalper®II	Skalper®HT	Skalper®UHT	Skalper®XC	Skalper®AR
Durometer	82	82	95	82	95	82	95
Description	Abrasion Resistant	General Use	Xtra Abrasion Resistant	High Temp	Ultra High Temp	Ceramic	Acid Resistant
Belt Speed	< 1000 fpm <5m/sec	< 700 fpm < 3.5m/sec	< 1200 fpm < 6m/sec	< 1000 fpm < 6m/sec	< 1200 fpm < 6m/sec	< 1400 fpm < 7m/sec	< 1400 fpm
Temperature Range	-20-180°F -28 to 82°C	-20-180°F -28 to 82°C	-20-180°F -28 to 82°C	-20-225°F -28 to 107°C	-20-300°F -28 to 148°C	-40-225°F -40 to 107°C	-40-225°F -40 to 107°C
Use w/Mech. Fasteners	Yes	Yes	No	Yes	No	No	No

Primary Tensioners

E-Z Torque®	Spring Shoc™	Air-Shoc™	Force-1™
<ul style="list-style-type: none"> All 304 stainless steel construction Lifetime Warranty Stainless steel torsion spring will not take a set 	<ul style="list-style-type: none"> Zinc plated mild steel construction Lifetime Warranty Rubber and UHMW impact bushing 	<ul style="list-style-type: none"> Enclosed air system with auto-motive quality shocks maintain constant blade to belt contact for continuous cleaning pressure. 	<ul style="list-style-type: none"> All 304 stainless steel construction Lifetime Warranty Compact size

Primary Mounting Brackets

E-Z Torque® Extension Bracket	Boss Block	Mounting Plate
<ul style="list-style-type: none"> E-Z Torque tension side extension bracket provides additional clearance for ease of tensioning Made from zinc plated mild steel 	<ul style="list-style-type: none"> W1" X L8 with (4) 5/8-11 tapped holes Weld on both sides of pulley and bolt on steel plate 	<ul style="list-style-type: none"> H15" X L30" with (4) 5/8-11 holes For use with Boss Block to mount precleaners on open head pulleys

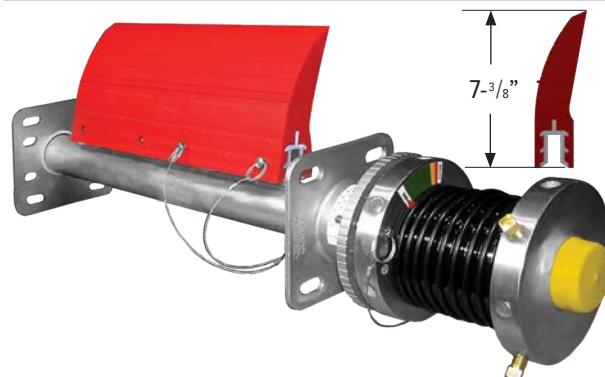
Skalper® Belt Cleaner

Eliminate Your Conveyor Carry-Back Problems

Our newly enhanced **Skalper®** series of conveyor belt pre-cleaners have been installed and have solved carry-back problems all over the world. The simple and highly effective Skalper® belt cleaner removes carry-back from the conveyor system.

- **Skalper®** (patented) one piece blade maintains an effective cleaning edge throughout the life of the blade
- **E-Z Torque™** (patented) torsion style tensioning system provides a consistent tension throughout the life of the blade
- **Blade-Wear Indicator** allows you to monitor blade wear without shutting down for inspection

Maximum Belt Speed – 1000 fpm (5.0 m/sec)
 Pulley Diameter – 12" – 36" (300 – 900mm)
 Applications – Coal Fired Power Plants, Hard Rock Mining, Steel Mills, Iron Ore, Aggregate and Mineral (Phosphate, Potash, Salt) Mining
CEMA Class 4



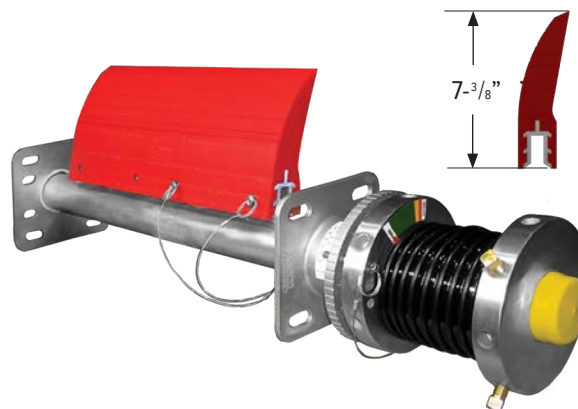
Super-Skalper® Belt Cleaner

Tackle The Toughest Bulk Material Handling Applications

The **Super-Skalper®** conveyor belt pre-cleaner can tackle the toughest bulk material handling applications. The massive blade provides carry-back removal for high-speed belts, large head pulleys and large sizes and volumes of material, typically found in below and above ground mining.

- **Super-Skalper®** (patented) one piece blade maintains an effective cleaning edge throughout the life of the blade
- **E-Z Torque™** (patented) torsion style tensioning system provides a consistent tension throughout the life of the blade
- **Blade-Wear Indicator** allows you to monitor blade wear without shutting down for inspection

Maximum Belt Speed – 1200 fpm (6.0 m/sec)
 Pulley Diameter – 20" + (400mm +)
 Applications – Coal Fired Power Plants, Hard Rock Mining, Metals (copper/gold) Mining, Steel Mills, Iron Ore, Bulk Shipping Terminals, Coal Preparation Plants
CEMA Class 5



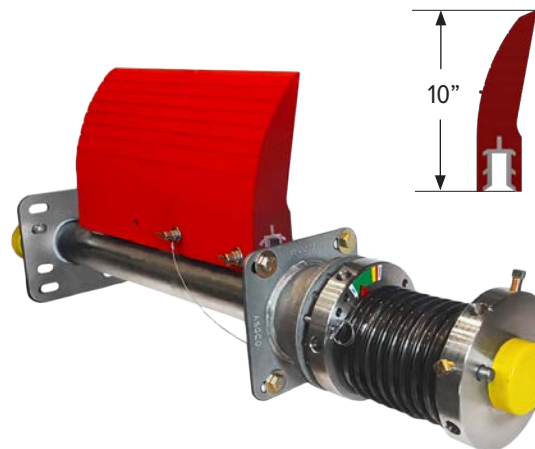
Super-Skalper® HD Belt Cleaner

Tackles the toughest carry-back applications

The **Super-Skalper® HD** conveyor belt pre-cleaner can tackle the toughest carry-back applications. The Super-Skalper® blade provides carry-back removal for high-speed belts, large head pulleys and large sizes and volumes of material, typically found in above and below ground mining.

- **One Piece Single Mounting Tube** for new robust, enhanced HD E-Z Torque® tensioner
- **E-Z Torque® HD Tensioner** is patented, made of all 304 stainless steel mounting plates, collars and springs allows the blades to self adjust throughout the entire life of the blade
- **Optional Ceramic (XC)** beaded blade available for high speed high tonnage conveyor systems

Maximum Belt Speed – 1200 fpm (6.0 m/sec)
 Pulley Diameter – 20" + (400mm +)
 Applications – Underground Mining, Hard Rock Mining, Metals (copper/gold) Mining, Steel Mills, Iron Ore, Bulk Shipping Terminals, Coal Fired Power Plants, Coal Preparation Plants
CEMA Class 3



PRIMARY BELT CLEANERS

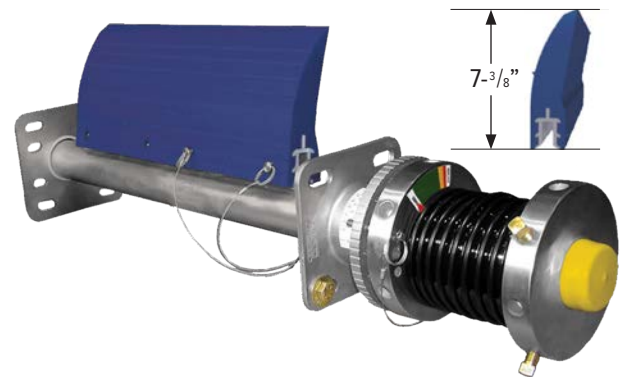
Skalper® III Belt Cleaner

Economical Solutions For Better Belt Cleaning!

The **Skalper® III** conveyor belt pre-cleaner features the Skalper® blade design and an effective E-Z Torque tensioner that maintains constant tension throughout the life of the blade. The urethane composites used in the Skalper® III blade are designed for the sand and aggregate industries.

- **Skalper® Blade** design (patented) maintains an effective cleaning edge throughout the life of the blade
- **The Zinc Plated** blade mounting tube and bracket assemblies offer the highest standard in corrosion resistance in a variety of applications
- **E-Z Torque® Tensioner** is a patented tensioner featuring stainless steel spring, allows the blades to self adjust throughout the entire life of the blade and is the most robust and accurate belt cleaner tensioner in the industry

Maximum Belt Speed – 700 fpm (3.5 m/sec)
Pulley Diameter – 12" – 36" (300 – 900mm)
Applications – Aggregate, Sand & Gravel, Redi-Mix, Asphalt, Cement, Wood Processing and Recycling
CEMA Class 3



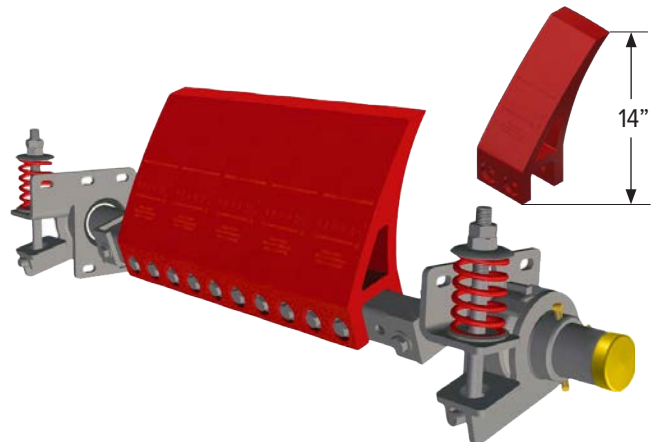
Skalper MDX™ Belt Cleaner

Warranty Mine Tough!

The **Skalper MDX®** conveyor belt pre-cleaner is designed for high speed and high tonnage conveyor systems in above ground and underground mining. The heavy-duty urethane blade mounts against the head pulley for efficient conveyor belt cleaning, and our unique torque cam action lever adjusts itself to remove high volumes of carry-back while minimizing blade wear and wear from mechanical fasteners.

- **Mine-Duty Skalper® MDX™** blades is one of the most rugged belt cleaners available
- **Impact absorbing Torque-Cam™** action mounting system adjusts itself when large impact forces from mechanical fasteners or large lumps of carry-back hit the belt cleaner
- **Engineered** for the most abusive conditions and applications
- **Installed as individual blade** or as a cartridge
- **Optional Ceramic (XC)** beaded blade available for high speed high tonnage conveyor systems

Maximum Belt Speed – 1200 fpm (6.0 m/sec)
Pulley Diameter – 24" + (600mm +)
Applications – Underground Mining, Hard Rock Mining, Oil Sands Mining, Metals (copper/gold) Mining, Steel Mills, Iron Ore, Bulk Shipping Terminals
CEMA Class 5



Pit-Skalper® Belt Cleaner

Eliminate Your Conveyor Carry-back Problems

Our **Pit-Skalper®** conveyor belt pre-cleaner is highly effective in challenging service conditions to remove carry-back from the conveyor system. The patented E-Z Torque® tensioner featuring stainless steel spring, allows the blades to self adjust throughout the entire life of the blade and is the most robust and accurate belt cleaner tensioner in the industry.

- **Pit-Skalper®** (patented) compact one piece blade maintains an effective cleaning edge throughout the life of the blade
- **Force-1™ Tensioning** system provides constant tension
- **Visual tension check**
- **Quick blade change outs** and minimal maintenance

Maximum Belt Speed – 600 fpm (3.0 m/sec)
Pulley Diameter – 10" – 20" (150 – 550mm)
Applications – Aggregate, Sand & Gravel, Redi-Mix and Asphalt, Cement, Wood Processing Recycling
CEMA Class 2



Mini-Skalper® Belt Cleaner

Perfect For Small Diameter Pulleys Where Space Is An Issue

The unique **Mini-Skalper®** conveyor belt cleaner is designed for small diameter pulleys where space and size is a factor. This belt cleaner is ideal in situations where the head pulley is less than 16" (400mm) in diameter or tight locations.

- **Skalper®** (patented) compact one piece blade maintains an effective cleaning edge throughout the life of the blade
- **Force-1™ Tensioning** system provides constant tension
- **Visual tension check**
- **Quick blade change outs** and minimal maintenance

Maximum Belt Speed – 500 fpm (2.5 m/sec)
 Pulley Diameter – 6" – 22" (150 – 550mm)
 Applications – Aggregate, Sand & Gravel, Redi-Mix and Asphalt, Cement, Wood Processing Recycling
CEMA Class 2



E-Z Skalper® Belt Cleaner

Effective Carry-back Removal In The Toughest Environments

The **E-Z Skalper®** conveyor belt pre-cleaner provides effective carry-back removal in the toughest environments. The patented blade is designed to remove high volumes of material and carry back from the conveyor belt for optimal conveyor performance.

- **E-Z Skalper®** (patented) compact one piece blade maintains an effective cleaning edge throughout the life of the blade
- **The Zinc Plated** blade mounting tube and bracket assemblies offer the highest standard in corrosion resistance in a variety of applications
- **E-Z Torque®** Tensioner is a patented tensioner featuring stainless steel spring, allows the blades to self adjust throughout the entire life of the blade. Is the most robust and accurate belt cleaner tensioner in the industry

Maximum Belt Speed – 1000 fpm (5.0 m/sec)
 Pulley Diameter – 18" – 36" (300 – 900mm)
 Applications – Coal Fired Power Plants, Hard Rock Mining, Steel Mills, Iron Ore, Aggregate and Mineral (Phosphate, Potash, Salt) Mining
CEMA Class 2



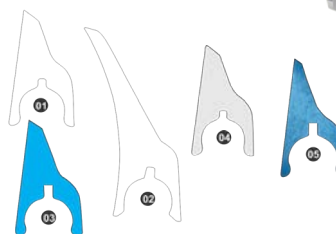
Excalibur® Food Grade Conveyor Belt Cleaner

The Excalibur® Is A Novel Belt Cleaning System

The ASGCO® **Excalibur® Food Grade Conveyor Belt Cleaner** uses a unique blade, holder and tensioning mechanism. Particularly suited for light duty thermoplastic belts with widths from several inches to 10'. This food grade belt cleaner is designed and configured to meet the most stringent sanitary requirements of the food manufacturing industry and uses USFDA and USDA approved materials. In fact, no other belt cleaner offers these crucial operational features, saving customers money while assuring safe, high quality manufacturing.

- **Sanitary and safe** lightweight
- **Works great** on flexible modular plastic table top conveyor belting
- **Features a unique blade**, holder and tensioning mechanism
- **Snap-on/off** conveyor belt scraper blade
- **FDA/USDA** compliant materials

Pulley Diameter – 1" – 8+" (25– 200mm)
 Applications – Food, Baking, Meat and Poultry, and Pet Food Processing Industry (FDA Industry)
CEMA Class 2

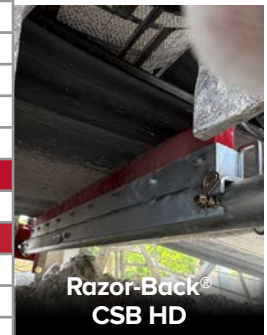
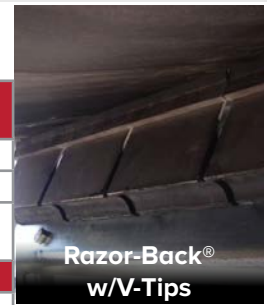


Replacement Blades Snap-On
 01. UHMW Natural
 02. UHMW Long Neck
 03. UHMW Blue
 04. Nylon Blade
 05. Metal Detectable

SECONDARY BELT CLEANERS

Secondary belt cleaners are installed after the point where the belt leaves the head (discharge) pulley and/or anywhere on the return side of the belt where it can be cleaned and maintained effectively.

Secondary Cleaners	TORO™	Razor-Back®	Razor-Back MDX®	Razor-Back CSB	Razor-Back CSB HD	Razor-Back® CSB Retractable	BC-2™
Belt Width	18"-96" 450-1200 mm	18"-96" 450-2400 mm	18"-96" 450-2400 mm	18"-72" 450-1500 mm	36"-96" 1100-2400 mm	36"-96" 450-2400 mm	18"-72" 450-1800
Belt Speed	<1000 fpm 5m/sec.	<1000 fpm 5m/sec.	<1200 fpm 6m/sec.	<1000 fpm 5m/sec.	<1100 fpm 5.5m/sec.	<1100 fpm 5.5m/sec.	<800 fpm 4 m/sec.
Secondary Tensioners							
Bolt-Up™	YES	YES	NA	YES	YES	NA	YES
Spring-Shoc™	YES	YES	NA	YES	YES	YES	NA
Low-Profile Spring-Shoc™	NA	NA	NA	YES	YES	YES	NA
Bolt-Up™ MDX	NO	NO	YES	NA	NA	NA	NA
Air-Shoc™ MDX	NO	NO	YES	NA	NA	NA	NA
Spring-Shoc™ MDX	NA	NA	YES	NA	NA	NA	NA
Belt Conditions							
OK on reversible belt?	YES	NO	NO	YES	YES	YES	NO
Blade Materials							
TORO™ U-Tips	YES	N/A	N/A	N/A	N/A	N/A	N/A
TORO™ F-Tips	YES	N/A	N/A	N/A	N/A	N/A	N/A
TORO™ C-Tips	YES	N/A	N/A	N/A	N/A	N/A	N/A
F-Tips	N/A	YES	N/A	N/A	N/A	N/A	N/A
C-Tips	N/A	YES	N/A	YES	YES	YES	YES
V-Tips	N/A	YES	N/A	N/A	N/A	N/A	YES
U-Tips	N/A	YES	N/A	YES	YES	YES	N/A
XC-Tips	N/A	YES	YES	N/A	N/A	N/A	N/A
MDX F-Tips	N/A	YES	YES	N/A	N/A	N/A	N/A
MDX C-Tips	N/A	YES	YES	N/A	N/A	N/A	N/A
MDX V-Tips	N/A	YES	YES	N/A	N/A	N/A	N/A
Tungsten Carbide Blade	NA	NA	NA	YES	YES	YES	N/A
Urethane Blade	NA	NA	NA	YES	YES	YES	N/A
Curved Tungsten Carbide	NA	NA	NA	YES	YES	YES	N/A



Secondary Blades

Blade Materials												
Blade Type	TORO™ U-Tips	TORO™ F-Tips	TORO™ C-Tips	F-Tips	C-Tips	V-Tips	U-Tips	XC-Tips	MDX F-Tips	MDX C-Tips	MDX V-Tips	Tungsten Carbide & Urethane Blades
Belt Speed	<1000 fpm < 5 m/sec	<1000 fpm < 5 m/sec	<1000 fpm < 5 m/sec	<1000 fpm < 5 m/sec	<1000 fpm < 5 m/sec	<1000 fpm < 5 m/sec	<1000 fpm < 5 m/sec	<1400 fpm < 7 m/sec	<1200 fpm < 6 m/sec	<1200 fpm < 6 m/sec	<1200 fpm < 6 m/sec	< 1100 fpm 5.5m/sec.
Temperature Range	-20-180°F -28 to 82°C	-20-180°F -28 to 82°C	-20-180°F -28 to 82°C	-20-400°F -28 to 204°C	-20-400°F -28 to 204°C	-20-400°F -28 to 204°C	-20-180°F -28 to 82°C	-20-400°F -28 to 204°C	-20-400°F -28 to 204°C	-20-400°F -28 to 204°C	-20-400°F -28 to 204°C	-20-180°F -28 to 82°C
Use w/Mech. Fasteners	YES	YES	YES	YES	YES	NO	YES	NO	YES	YES	NO	YES

Secondary Belt Cleaner Tensioners

Bolt-up™ / Bolt-up MDX™	Spring-Shoc™ / MDX	Low-Profile Spring-Shoc™	Air-Shoc MDX™	Secondary Mounting Bracket
<p><i>Push-Up</i></p> <p><i>Pull-Up</i></p> <ul style="list-style-type: none"> • Powder coated steel bracket • 304 stainless steel construction of adj. blocks • Lifetime Warranty • Visual tension check • Push-up or Pull-up tensioning options 	<ul style="list-style-type: none"> • Zinc plated steel HD construction • Lifetime Warranty • UHMW slide bushings • Push-up or Pull-up tensioning options 	<ul style="list-style-type: none"> • Zinc plated steel HD construction • Lifetime Warranty • UHMW slide bushings • Push-up tensioning option 	<ul style="list-style-type: none"> • Zinc plated steel HD construction • Lifetime Warranty • UHMW slide bushings 	<ul style="list-style-type: none"> • Powder coated mild steel • Available in Stainless Steel upon request

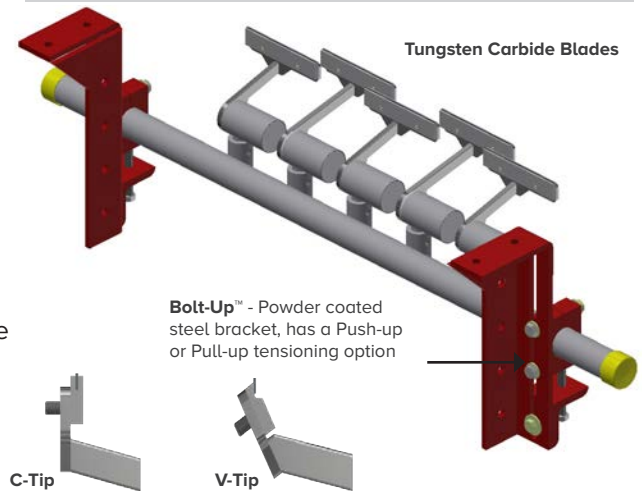
BC-2™ Belt Cleaner

The last belt cleaner you will ever need

ASGCO®'s patented **BC-2™** secondary belt cleaner gives you the best possible cleaning efficiency. Each arm is pre-tensioned with a stainless steel torsion spring for constant tension and ease of installation. The bolt-on blades are automatically adjustable and can be removed from the arms for ease of replacement, cuts down on maintenance time and cost.

- **High Belt Cleaning Efficiency** - The overlapping tungsten carbide blades and the constant tension provided by the patented stainless steel spring self-tensioning arm assembly.
- **Made for Mining and Tough Applications** - Our heavy duty 2-7/8" corrosion resistant zinc coated (Made in the USA) steel mounting tube and stainless steel spring self-tensioning arms and blades provide constant cleaning without the rust of chipped powder coating.
- **Flexible Configuration** - Engineered to be installed in different configurations and also gives you the option to locate the blades directly on the bottom of the head pulley.

Maximum Belt Speed - 800 fpm (4 m/sec)
Applications - Aggregate, Cement, Hard Rock Mining, Coal Fired Power Plants, Steel Mills, Iron Ore, and Mineral Mining
CEMA Class 4



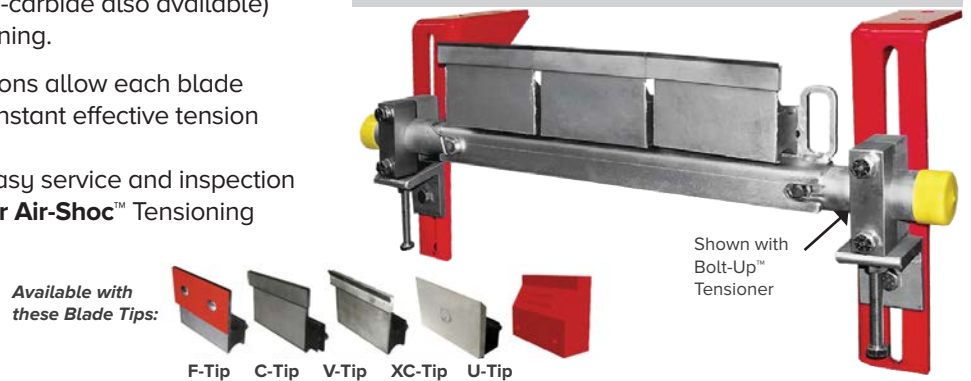
Razor-Back® Belt Cleaner

Mechanical Splices? No Problem

The **Razor-Back®** belt cleaner features tough self-adjusting replaceable tungsten carbide blades (non-carbide also available) for extremely effective conveyor belt cleaning.

- **Impact absorbing**, self-tensioning cushions allow each blade to flex individually and allow a more constant effective tension against the conveyor belt
- **Slide-out service cartridge** allows for easy service and inspection
- **Available with Bolt-up™, Duo-Spring™ or Air-Shoc™** Tensioning Systems
- **Available with optional water spray**

Maximum Belt Speed – 1000 fpm (5.0 m/sec)
Applications – Coal Fired Power Plants, Hard Rock Mining, Steel Mills, Iron Ore, Aggregate and Mineral (Phosphate, Potash, Salt) Mining
CEMA Class 3 - Bolt-Up™ / CEMA Class 4 Spring-Shoc™



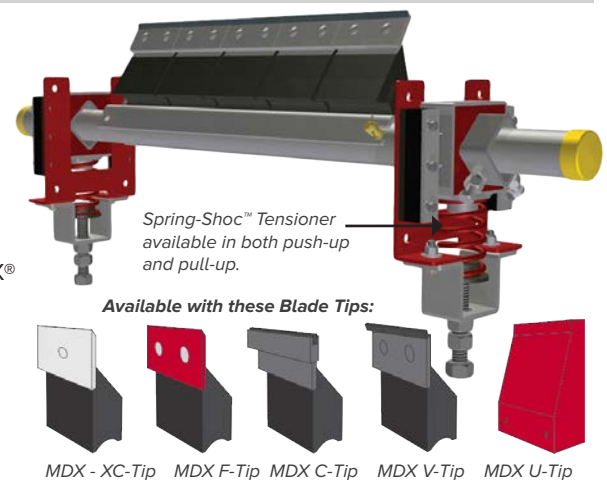
Razor-Back® MDX™ Belt Cleaner

Designed For High Speed & Maximum Tonnage

The **Razor-Back MDX®** is a secondary belt cleaner designed for high speed and maximum tonnage mining systems running in the most aggressive underground and surface mining environments. The heavy-duty, replaceable, carbide-tipped blades effectively clean the conveyor belt with our dual action tensioning systems to maintain even pressure across the entire belt surface.

- **Complete Cleaning** – with our combination of cleaning blades specific for your application and dual tensioning action from our Spring-Shoc™ or Air-Shoc™ tensioner along with the impact absorbing rubber tensioning cushions and mounting system.
- **Available with replaceable MDX™ V-Tips** – for vulcanized conveyor belts or MDX® C-Tips for conveyor belts with mechanical fasteners.
- **Quick-Change** – slide-out mounting system allows for simple removal of the cleaning cartridge from either side of the conveyor, without having to remove mounting brackets or the main mounting tube.
- **Designed** – for the toughest of mining environments and conditions including underground and surface coal, hard rock, power plant and load-out facilities.

Maximum Belt Speed – 1200 fpm (6.0 m/sec)
Applications – Underground Mining, Hard Rock Mining, Metals (copper/gold) Mining, Steel Mills, Iron Ore, Bulk Shipping Terminals, Coal Fired Power Plants
CEMA Class 5



SECONDARY BELT CLEANERS

Razor-Back® Retractable Belt Cleaner

System can be accessed and removed from outside the chute

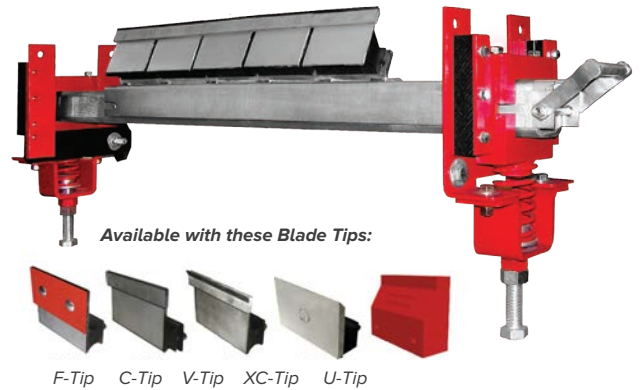
The **Retractable Razor-Back®** secondary belt cleaning system can be accessed and removed from outside the chute without breaking the plane of the conveyor, resulting in decreased downtime and eliminating the need for confined space permits.

- **Long-wearing Abrasion Resistant** – tungsten carbide blades provide and maintain a great cleaning edge against the conveyor belt.
- **Quick-Change** – slide-out mounting system allows for simple removal of the cartridge from one side of the conveyor system, without having to break the plane of the conveyor structure, or having to remove mounting brackets or the main mounting tube
- **Compact Design** – allows for an installation that requires less than 9" of clearance to be installed and maintained

Maximum Belt Speed – 1000 fpm (5.0 m/sec)

Applications – Coal Fired Power Plants, Hard Rock Mining, Steel Mills, Iron Ore, Aggregate and Mineral (Phosphate, Potash, Salt)

CEMA Class 4



Razor-Back® CSB™ Belt Cleaner

Fast and Effortless Blade Change. Maximum Uptime

The **Razor-Back® CSB Secondary Conveyor Belt Cleaner** delivers reliable, low-maintenance belt cleaning in a streamlined package. Its innovative design lets you access and remove the one-piece blade cartridge from outside the chute—without breaking the conveyor plane or removing brackets—minimizing downtime and eliminating confined-space permits.

- **One-Piece Urethane Blade:** 2" thick, wear-resistant (optional carbide tips) for maximum cleaning efficiency
- **Versatile Compatibility:** Works with all ASGCO® Razor-Back® systems
- **Reversing Conveyor Ready:** Cleans forward and reverse runs without modification
- **Wide Belt Coverage:** Fits belt widths from 18" to 60". Custom tube lengths available upon request.
- **Safety & Uptime:** Fast service reduces downtime and removes confined-space hazards
- **Durable Construction:** Built to withstand harsh environments and deliver long-lasting performance

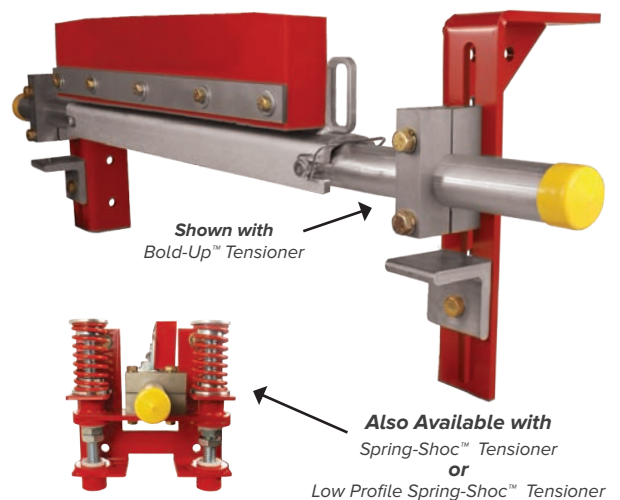
Maximum Belt Speed – <1000 fpm (5.0 m/sec)

Temperature – -20 F to 180 F

Belt Widths – 18"-72"

CEMA Class 3 for Bolt-Up™ Tensioner

CEMA Class 4 for Spring-Shoc™ Tensioner



Razor-Back® CSB™ HD Belt Cleaner

Heavy-Duty Performance. Effortless Maintenance.

The **Razor-Back® CSB HD Secondary Belt Cleaner** is engineered for the most demanding applications by combining heavy-duty construction with hassle-free maintenance. Its rugged design ensures powerful, consistent blade pressure while allowing service from outside the chute—no conveyor-plane disruption or confined-space entry required.

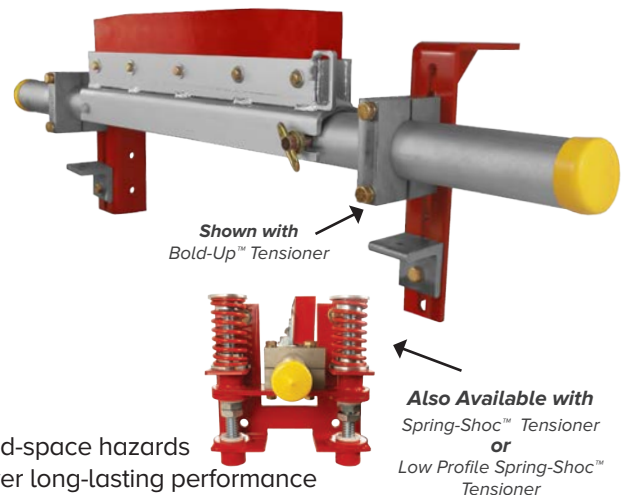
- **One-Piece Urethane Blade:** 2" thick, wear-resistant (optional carbide tips) for maximum cleaning efficiency
- **2 Reinforced 7' 8" Tube:** Extra-sturdy backbone for maximum stability
- **Heavy-Duty Encapsulated Mount:** Secure blade retention in harsh environments
- **Versatile Compatibility:** Works with all ASGCO® Razor-Back® systems
- **Reversing Conveyor Ready:** Cleans forward and reverse runs without modification
- **Wide Belt Coverage:** Fits belt widths from 42" to 96". Custom tube lengths available upon request.
- **Safety & Uptime:** Fast service reduces downtime and removes confined-space hazards
- **Durable Construction:** Built to withstand harsh environments and deliver long-lasting performance

Maximum Belt Speed – <1100 fpm (5.5 m/sec)

Temperature – -20 F to 180 F

Belt Widths – 36"-96"

CEMA Class 5



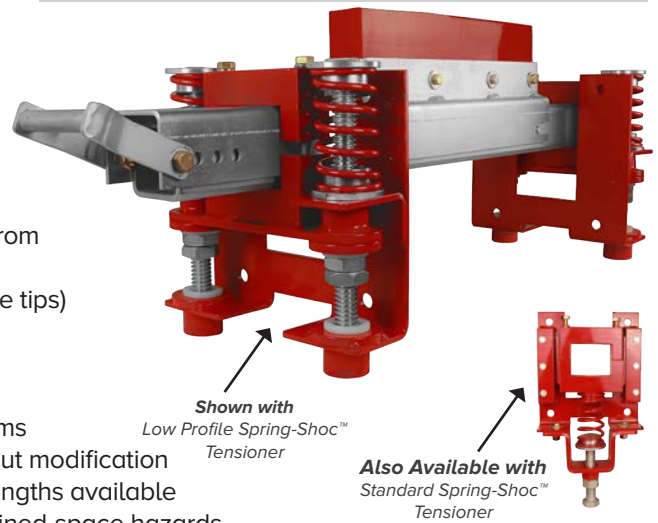
Razor-Back® CSB™ Retractable Belt Cleaner

Retract. Replace. Resume. — Cleaner Belts, Zero Downtime

The Razor-Back® CSB Retractable Secondary Belt Cleaner delivers maximum cleaning efficiency in a compact, maintenance-friendly package. Its innovative retractable design allows you to remove and replace the one-piece blade cartridge from outside the chute without breaking the plane of the conveyor or removing brackets reducing downtime and eliminating the need for confined-space permits.

- **Compact, Retractable Design:** Quick-change cartridge accessible from outside the chute
- **One-Piece Urethane Blade:** 2" thick, wear-resistant (optional carbide tips) for maximum cleaning efficiency
- **Heavy-Duty Encapsulated Mount:** Secure blade retention in harsh environments
- **Versatile Compatibility:** Works with all ASGCO® Razor-Back® systems
- **Reversing Conveyor Ready:** Cleans forward and reverse runs without modification
- **Wide Belt Coverage:** Fits belt widths from 18" to 60"; custom tube lengths available
- **Safety & Uptime:** Fast service reduces downtime and removes confined-space hazards
- **Durable Construction:** Built to withstand harsh environments and deliver long-lasting performance

Maximum Belt Speed – <1100 fpm (5.5 m/sec)
 Temperature – -20 F to 180 F
 Belt Widths – 36"-96"
CEMA Class 4



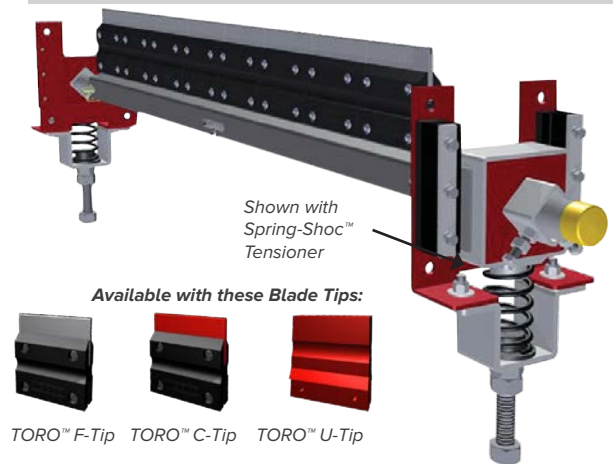
TORO™ Reversing Belt Cleaner

Flexible Solution Suitable For Reversing Conveyor Belts

The TORO™ Reversing secondary belt cleaner is an effective, flexible solution that is also suitable for reversing conveyor belts. The cartridge blade system allows for easy blade change-outs and is available with 3 different blade styles and 3 different tensioners depending on the mining application.

- **Effective** flexible belt cleaner that can accommodate reversing conveyor belt systems
- **Available with replaceable C-Tips, F-Tips, or U-Tips** blade for conveyor belts with mechanical or vulcanized splices.
- **Slide-out service cartridge** allows for easy service and inspection
- **Available with Bolt-Up™, Duo-Spring™ or Air-Shoc™** Tensioning Systems
- **Designed for Reversing Conveyors** such as shuttles or conveyors that roll back, trippers, due to its unique two-way rubber cushions.

Maximum Belt Speed – 1000 fpm (5.0 m/sec)
 Applications – Aggregate, Cement, Coal Fired Power Plants, Mineral (Phosphate, Potash, Salt Mining, Wood Processing, Recycling)
CEMA Class 3 Bolt-Up™ / CEMA Class 4 Spring-Shoc™

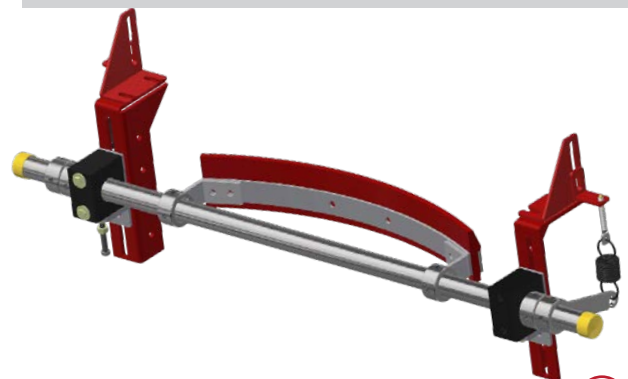


U-Scrape™ Belt Cleaner

The U-Scrape™ Secondary Belt Cleaners, unique "U" shaped design conforms to the return side of the belt and the blade maintains maximum pressure in the center of the belt where the majority of the carryback material builds up. The U-Scrape™, "U" shaped urethane and tungsten carbide blade tips are in constant blade-to-belt contact for the highest cleaning efficiency – especially in tough applications requiring removal of water and sticky carryback materials.

- **Removes** excess water to ensure a dry carry side of the belt down the belt line.
- **Tensioned** by two air cylinders to assure equal and constant blade pressure, reducing maintenance and ensuring high cleaning efficiency throughout the life of the blade.
- **Flippable** two-sided, dual durometers blade to give you twice the blade life.

Maximum Belt Speed – 1000 fpm (5.0 m/sec)
 Belt Widths – 24" – 72" (600 to 1800 mm)
 Applications – Aggregate, Cement, Hard Rock Mining, Coal Fired Power Plants, Steel Mills, Iron Ore and Mineral Mining
CEMA Class 4



SECONDARY BELT CLEANERS

Dry Wipe™ Belt Cleaner

Final Cleaner In A Cleaning System On Conveyor Belt

The ASGCO® **Dry Wipe™** Belt Cleaner is designed to be the final cleaner in a cleaning system on the conveyor belt. When there is still water remaining on the belt after the primary and secondary cleaners have done their job, this can cause a mess along the belt line. The squeegee effect of the Dry Wipe Cleaning system can wipe the belt dry.

- **Excellent Performance** – of our patented Dry Wipe™ Blade design maintains an effective cleaning edge throughout the life of the blade.
- **Removes** excess water to ensure a dry carry side of the belt down the belt line
- **Available with Bolt-up, Duo-Spring™ or Air-Shoc™ Tensioning Systems**

Maximum Belt Speed – 1000 fpm (5.0 m/sec)

Applications – Underground Mining, Coal Preparation Plants

CEMA Class 3



Bronco™ Brush Motorized Belt Cleaner

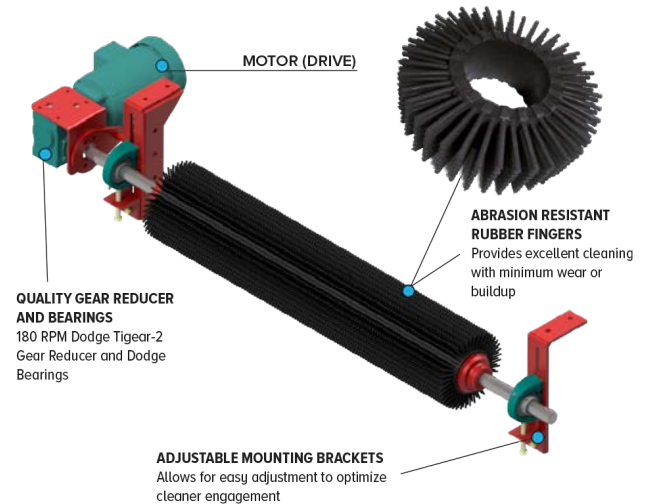
The **Bronco™ Brush Motorized** secondary conveyor belt cleaner utilizes its unique abrasion resistant rubber fingers that spin in the opposite direction of the conveyor belt efficiently cleaning materials that cling to the belts surface. This secondary belt cleaner was engineered and designed for difficult industrial applications such as: wet or dry sand, aggregate fines, wood particles, limestone fines, soda ash, fertilizers, sugar, salt and other fine materials.

- **Excellent Cleaning** – Abrasion resistant rubber fingers spin in the opposite direction of the conveyor belt efficiently removing any materials that adhere to the belt surface, reducing carry-back and housekeeping issues.
- **Reduces Maintenance Costs** – The motorized brush system reduces carryback, which results in lower cleanup costs and less unplanned downtime.
- **Robust and Versatile Design** – The safe design of the system eliminates v-belts, requires minimal space to install and is easy to adjust. It can be used on mechanically spliced or vulcanized conveyor belts, as well smooth, chevron, ribbed or cleated belts.

Maximum Belt Speed: 700 FPM (3.5 m/s)

Applications – Wood Processing, Mineral (Phosphate, Potash, Salt) Mining, Recycling

CEMA Class 4



Bronco™ Brush Self-Driven Belt Cleaner

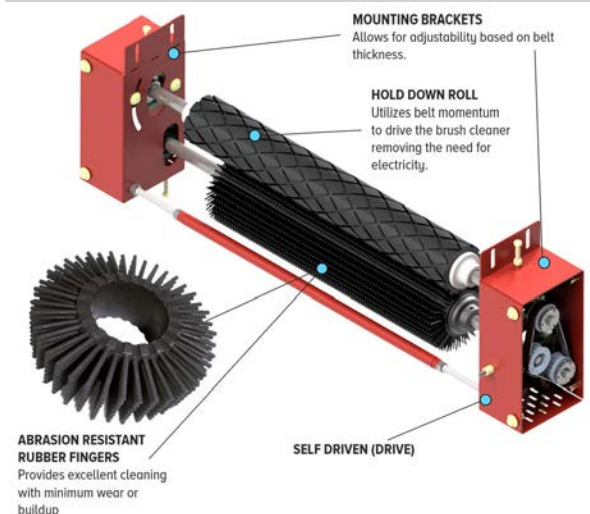
The **Bronco™ Brush Self-Driven** secondary conveyor belt cleaner utilizes its unique abrasion resistant rubber fingers that spin in the opposite direction of the conveyor belt efficiently cleaning materials that cling to the belts surface. This secondary belt cleaner was engineered and designed for difficult industrial applications such as: wet or dry sand, aggregate fines, wood particles, limestone fines, soda ash, fertilizers, sugar, salt and other fine materials.

- **Excellent Cleaning** – Abrasion resistant rubber fingers spin in the opposite direction of the conveyor belt efficiently removing any materials that adhere to the belt surface, reducing carry-back and housekeeping issues.
- **Reduces Maintenance Costs** – The motorized brush system reduces carryback, which results in lower cleanup costs and less unplanned downtime.
- **Efficiency** – The safe design of the system eliminates the requirement of electricity. The momentum of the belt powers a hold down roll allowing for the brush to spin in the opposite direction of the conveyor belt.

Maximum Belt Speed: 700 FPM (3.5 m/s)

Applications – Wood Processing, Mineral (Phosphate, Potash, Salt) Mining, Recycling

CEMA Class 4



Bronco™ Brush Non-Motorized Belt Cleaner

The **Bronco™ Brush Non-Motorized** secondary conveyor belt cleaner utilizes its unique abrasion resistant rubber fingers that spin in the opposite direction of the conveyor belt efficiently cleaning materials that cling to the belts surface. This secondary belt cleaner was engineered and designed for difficult industrial applications such as: wet or dry sand, aggregate fines, wood particles, limestone fines, soda ash, fertilizers, sugar, salt and other fine materials.

- **Excellent Cleaning** – Abrasion resistant rubber fingers spin in the opposite direction of the conveyor belt efficiently removing any materials that adhere to the belt surface, reducing carry-back and housekeeping issues.
- **Reduces Maintenance Costs** – The non-motorized brush system reduces carryback, which results in lower cleanup costs and less unplanned downtime.
- **Robust and Versatile Design** – The safe design of the system eliminates v-belts, requires minimal space to install and is easy to adjust. It can be used on mechanically spliced or vulcanized conveyor belts, as well smooth, chevron, ribbed or cleated belts.

Maximum Belt Speed: 700 FPM (3.5 m/s)
Applications – Wood Processing, Mineral (Phosphate, Potash, Salt) Mining, Recycling
CEMA Class 4

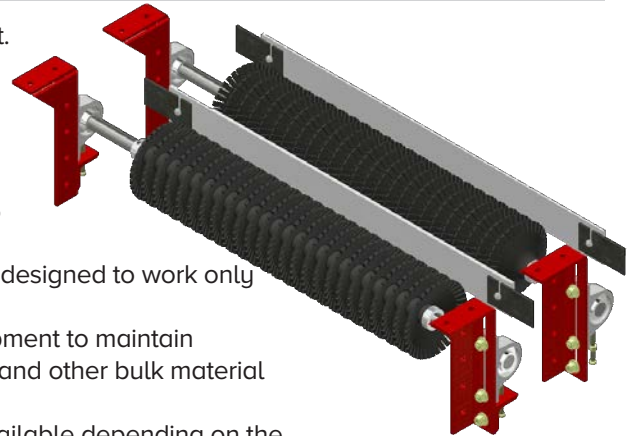


Chevron™ Disk Belt Cleaner Speed and Force Of Belt Rolling

The **Chevron™ Disk Belt Cleaner** uses the speed and force of the belt rolling over our patented rubber disks. The unique rotary fingers are forced against the base of the chevrons to dislodge material from the belt.

- **Bolt-Up™ Style Mounting** – allows for easy adjustment up and down allowing cleaner pitch to be set with the turn of a wrench
- **More Durable, Solid Shaft** – increased from 1" to 1.5", decreases deflection across the length of the cleaner
- **Patented** – concave shaped rubber discs perform a sweeping action to clean Chevron™, raised top or grooved conveyor belts
- **Sweeping Action** – unique rotary fingers remove the carry-back and is designed to work only when the conveyor belt is running
- **Easy Maintenance** – no motors, air nozzles, or other problematic equipment to maintain
- **Performs Exceptionally Well** – in the pulp and paper, fertilizer, potash, and other bulk material industries where chevron style belts are heavily used
- **Notched** – 8" (200mm) diameter abrasion resistant rubber disks are available depending on the spacing of the chevrons and the conveyor belt speed

Maximum Belt Speed: 500 FPM (2.5 m/s)
Applications – Wood Processing, Mineral (Phosphate, Potash, Salt) Mining, Recycling
CEMA Class 4



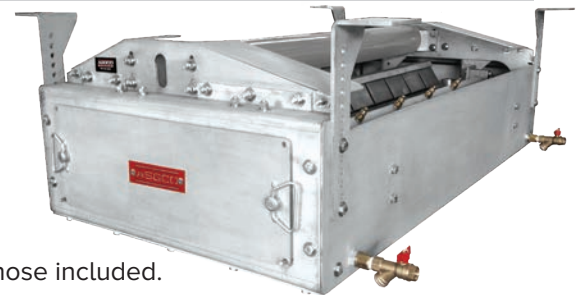
Wash Box™ Belt Cleaning System

Works On The Return Side Of The Conveyor Belt

The ASGCO® **Wash Box™** is installed as a secondary conveyor belt cleaner and is designed to work on the return side of the conveyor belt. Each steel enclosed box is equipped with a combination of pressure rollers, spray bars and Razor-Back® belt cleaners. It can also be customized to meet a conveyor systems' needs. The nozzles apply a spray of water which softens the bulk material carry-back and lubricates to maintain effective cleaning pressure. The ASGCO® Wash Box™ provides the highest degree in belt cleaning technology.

- **Fully Enclosed** – the Wash Box™ system provides excellent cleaning while containing the wash waste fluid.
- **Removable Inspection and Service Door** – on each side, with wash down hose included.
- **Dual Sets of Razor-Back® Secondary Cleaners** – and dry wipe.
- **Two Spray Bars, Nozzles and Valves** – soften the carry-back and provides gentle cleaning.
- **Equal Pressure** – Snub Idler provides equal pressure on both Razor-Back® cleaners.
- **6" NPT Drain Pipe**
- **Available in** – Stainless Steel, Galvanized and Powder Coated. Each steel enclosed box is equipped with a combination of pressure rollers, spray bars and Razor-Back® belt cleaners.

Maximum Belt Speed – 1000 fpm (5.0 m/sec)
Applications – Coal Fired Power Plants, Bulk Shipping Terminals, Coal Preparation Plants, Underground Mining, Hard Rock Mining, Steel Mills, Iron Ore, Mineral (Phosphate, Potash, Salt) Mining
CEMA Class 3-4-5



SECONDARY BELT CLEANERS

V-Plow XD™ Belt Cleaner

Designed For The Toughest Mining Environments

The **V-Plow XD™** Belt Cleaner is designed for the toughest mining environments. They reduce build-up on the tail and take-up pulleys to improve belt alignment problems and thus reduce belt edge damage within the conveyor system.

- **Keeps material from becoming trapped** – between a tail or take-up pulley and the conveyor belt.
- **Protects your belt** – from puncture damage.
- **Reduces bulk material build-up** – on tail and take-up pulleys to improve belt alignment problems and thus reduce belt edge damage.
- **Simple installation** – softens the bulk material carry-back and provides gentle cleaning.
- **Equal Pressure** – and no maintenance needed, adjusts by gravity.

Maximum Belt Speed – 1000 fpm (5.0 m/sec)
Applications – Coal Fired Power Plants, Hard Rock Mining, Underground Mining, Coal Preparation Plants, Steel Mills, Iron Ore, Aggregate, Metals (copper/gold) Mining, Mineral (Phosphate, Potash, Salt) Mining, Bulk Shipping Terminals
CEMA Class 3



Hinged V-Plow™ Belt Cleaner

Effectively Keep Bulk Material Becoming Trapped Within The Conveyor

The patented Hinged V-Plow™ is designed to effectively keep bulk material becoming trapped within the conveyor – between the tail pulley and the belt. The unique patented design of the “Hinge” part of the V-plow allows you to change the amount of angle the plow can have from 30, 45, or 60-degree angle.

- **Hinged V-Plow™** – installs flat and then the wings are spread out to the optimum angle to remove material traveling on the return side of the belt.
- **Protects and Reduces** – the conveyor belt from puncture damage and its three-point suspension keeps the plow parallel to the belt.
- **Easy Maintenance** – simple and easy to install and maintain.
- **Mine-Duty** – plows are also available.
- **Safety Chains** – standard on hinged plows.

Maximum Belt Speed – 1000 fpm (5.0 m/sec)
Applications – Coal Fired Power Plants, Hard Rock Mining, Underground Mining, Coal Preparation Plants, Steel Mills, Iron Ore, Aggregate, Metals (copper/gold) Mining, Mineral (Phosphate, Potash, Salt) Mining, Bulk Shipping Terminals
CEMA Class 3



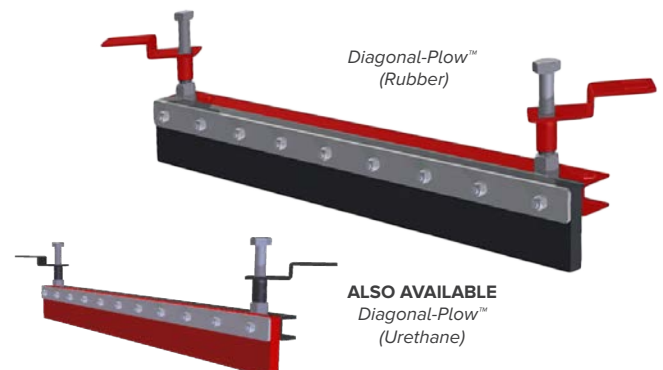
Diagonal Plow™ Belt Cleaner

Designed To Discharge Fugitive Material From One Side Of The Conveyor System

Diagonal Plows are designed to discharge fugitive material from one side of the conveyor system. Our diagonal plow belt cleaner is build of a rugged steel structure to hold up in the toughest mining environments.

- **Provides Effective** – cleaning of the return side of the belt, protecting your tail pulley and the conveyor belt.
- **Reversing Conveyors** – can be installed on reversing conveyor belts.
- **Easy Maintenance** – simple and easy to install and maintain
- **Diagonal plow discharges** – material from one side of the belt
- **Available** – with rubber or urethane plow material

Maximum Belt Speed – 1000 fpm (5.0 m/sec)
Applications – Coal Fired Power Plants, Hard Rock Mining, Underground Mining, Coal Preparation Plants, Steel Mills, Iron Ore, Aggregate, Metals (copper/gold) Mining, Mineral (Phosphate, Potash, Salt) Mining, Bulk Shipping Terminals
CEMA Class 3



Vibrating Dribble Chute

Prevents Buildup In Conveyor Dribble Chutes

The ASGCO® **Vibrating Dribble Chute** combines a vibrator with a unique isolation mount and a low-friction UHMW chute liner to prevent buildup in dribble chutes.

- **Vibrating Liner Keeps Material Moving** – Keep material accumulations from clogging chute and burying cleaners.
- **Liner Cuts Buildup** – Low-friction UHMW lining promotes material flow without accumulation. Each liner is 1/2” thick by belt width and 36” in length. Custom size liners can be made at customers’ request.
- **“Isolation” Bracket Protects Chute** – Rubber-lined bracket transfers vibration to liner without metal fatigue.
- **Rugged Vibrator Provides Precise Performance** – 115 Volt 60HZ Single Phase (with switchbox) Electric Vibrator provides 480 lbs of Force with durable performance. Other vibrators are dependent upon chute size and are available by customers’ request.

Maximum Belt Speed – 1000 fpm (5.0 m/sec)
 Applications – Coal fired power plants, underground mining, coal preparation plants, aggregate metals (copper/gold) mining, mineral (phosphate, potash, salt) mining.
CEMA Class 4

Custom sizes can be made at customer’s request.

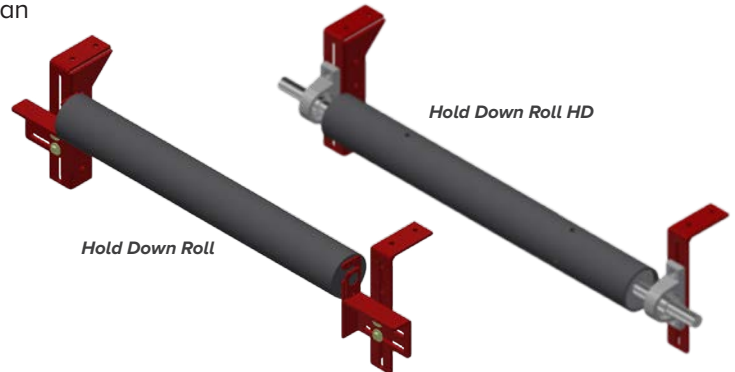


Hold Down Roll & Hold Down Roll HD

The ASGCO® **Hold Down Roll & Hold Down Roll HD** hold the belt flat so the belt cleaner can maximize its cleaning performance.

- **Designed to hold the belt flat and stable**, so cleaner blades can make optimal belt contact.
- **Heavy Duty Construction** with adjustable mounting brackets
- **Standard Duty Hold Down Roll** uses a CEMA C & D 5” roll
- **Heavy Duty Hold Down Roll** uses a live shaft with 1 1/2” shaft ends and a 5” diameter can with pillow block bearings.

Maximum Belt Speed – 1000 fpm (5.0 m/sec)
 Pulley Diameter – 16” – 36” (400 – 900mm)
 Applications – Coal Fired Power Plants, Hard Rock Mining, Steel Mills, Iron Ore, Aggregate and Mineral (Phosphate, Potash, Salt) Mining
CEMA Class C & D



Secondary Mounting Bracket

The ASGCO® **Secondary Mounting Brackets** are versatile, adjustable, powder coated steel brackets and plates that can be mounted on the conveyor structure so pre-cleaners and secondary belt cleaners can be easily and quickly bolted into place. Also available in stainless steel upon request.

Standard

- Standard Mounting Bracket are 7-3/4” x 18-1/8” L
- For most secondary cleaner installs.

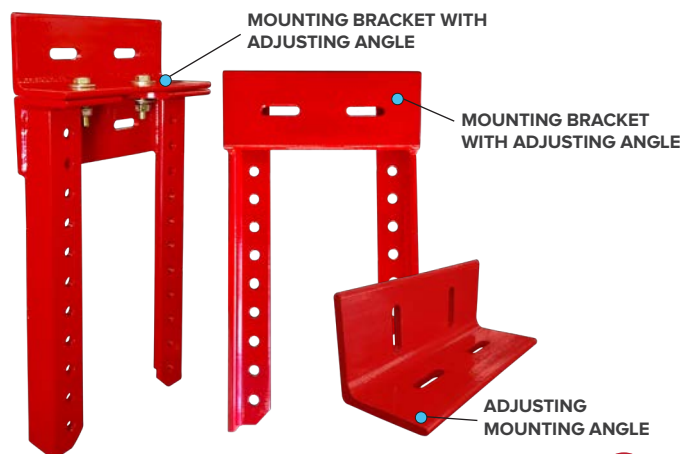
Long

- Long Brackets are 7-3/4” x 24-3/8” L
- For installation that require extra length legs
- For most secondary cleaner installs

Kits Include

- Adjusting Mounting Angles
- Mounting Brackets
- Hardware Bag

Standard & Long Mounting Bracket Kits
 2 each Adjusting Mounting Angles
 2 each Mounting Brackets
 1 each Hardware Bag





YOUR ISSUE: BELT MISTRACKING

OUR SOLUTION: BELT TRAINERS

RELIABLE AND RE-ACTIVE BELT TRACKING IDLERS

Idlers are an important component in any conveyor system as they are used to support the conveyor belt and the load carried on the belt. There are a significant number of idlers on a conveyor and if the incorrect idlers are selected, the subsequent problem manifests itself along the entire conveyor length!

To select the right belt trainer, you need to consider whether:

- The belt is wandering to one or both sides
- The misttracking is happening consistently or occasionally
- The top or return side of the belt is affected
- The belt has a low, medium, or high running tension

SELECTION CRITERIA FOR DECIDING BETWEEN STANDARD, HEAVY DUTY, XHD, EXHD TAPER TROUGH

Standard Criteria	Standard Taper	Heavy Duty Taper	XHD Taper	EXHD Taper
Type of Belt	Rubber	Rubber / Steel Cord	Rubber / Steel Cord	Rubber / Steel Cord
Belt Width (mm)	450 to 1200	900 to 1500	1650 to 1800	1500 to 2800
Belt Width (in)	18" to 48"	36" to 60"	66" to 72"	60" to 110"
Belt Speed (m/s)	0-600 fpm 0-3 m/sec.	400-800 fpm 2-4 m/sec.	400-800 fpm 2-4 m/sec.	800-1200 4-6 m/sec.
Wing Roller Selection	Rubber	Rubber / Poly	Rubber / Poly	Rubber Rings / Poly

Selection Criteria for Deciding between Flat Return OR Dual Return*

Standard Criteria	Flat Return Heavy Duty	Dual Return
Type of Belt	Fabric	Steel Cord Belt
Belt Width	54" to 60"	48" to 84"
Belt Speed	195 to 800 FPM	More than 800 FPM
Belt Thickness	Less Than 1 Inch	More Than 1 Inch
Belt Weight	Less Than 50 LBS	More Than 50 LBS
/ m ²	Belt does not mistrack	Belt mistracks badly

*The Flat Return Table, only applies to belt widths of 54" to 60".

*Choose Dual Return design if you answer YES to any 2 points in the Dual Return Column.

Selection Criteria for Deciding between a Dual Return OR Heavy Duty Dual Return.*

Standard Criteria	Dual Return - Standard	Dual Return - Heavy Duty (Thrust bearings +)
Type of Belt	Steel Cord Belt	Steel Cord Belt
Belt Width	1350 – 1800 (54"-72")	1100 – 3300 (42"-130")
Belt Speed	Less than 800 FPM	More than 800 FPM
Belt Thickness	Less Than 20 mm (1")	20 mm +(1")
Belt Weight	Less Than 23 Kg	More Than 23 Kg (50lb)

*Choose Dual Return Heavy Duty design, if you answer YES to any 2 points in the Dual Return - Heavy Duty Column.

*Choose Dual Return Heavy Duty design if the environment is very corrosive/extreme or if there will be heavy side thrust on the tracker.

CONVEYOR BELT TRACKING & SPECIALTY IDLERS

Tru-Trainer® Flat Return Idler

Most Reliable and Re-active Belt Tracking Idlers

The **Tru-Trainer® Flat Return Idler** series of conveyor belt tracking idlers are a patented design that offers the most reliable and re-active belt tracking idlers available today.

- **Continuous Alignment** – by always tracking the belt to the center of the conveyor, it reduces edge damage, spillage and overall better conveyor belt tracking performance.
- **Heavy-Duty** – design of our trainer uses 3 7/16” bearings, 1 3/4” shaft, and an abrasive resistant hot-vulcanized rubber cover. Urethane covers are also available.
- **Patented Design** – does not rely on the conveyor belt to activate an arm-type tracking mechanism. By utilizing an internal pivot versus external pivot it does NOT build up with carry back.
- **Reactionary** – in both wet and dry conditions as seen in below ground and above ground mining all over the world.
- **Directional** – can be used for belts traveling in one or reverse direction.

Belt Width 16” – 72”

Application – Aggregate, Cement, Mineral (Phosphate, Potash, Salt) Mining, Underground Mining, Coal Fired Power Plant, Steel Mill, Iron Ore, Bulk Shipping Terminals



* ALSO AVAILABLE IN URETHANE

Tru-Trainer® Flat Return Low Speed Idler

- **Reliable Performance** – This product is robust, reliable, long lasting and provide effective performance in all conditions.
- **Lagging** – Covered with abrasive resistant hot-vulcanized rubber cover.
- **Operates in All Conditions** – Quick activation on both wet and dry belts, both above and below ground.
- **Versatile Installation** – Can be installed on the return side of the belt, and then tension can be adjusted easily with the supplied mounting brackets.

Belt Width 16” – 72”

Application – Aggregate, Cement, Mineral (Phosphate, Potash, Salt) Mining, Underground Mining, Coal Fired Power Plant, Steel Mill, Iron Ore, Bulk Shipping Terminals



Tru-Trainer® Dual Return Idler

Accommodates Excessive Force On Conveyor Belts & Heavy Loads

The **Tru-Trainer® Dual Return Idler** is an external central pivot mechanism that was designed, obviating the need for a single, large drum, and enabling a concentric and balanced rotation to be achieved. This results in extended bearing life and a very fast and effective conveyor tracking system.

- **Two Separate Tapered Rolls** – are mounted into the pivot mechanism and can be individually replaced as wear occurs.
- **Designed for High Speed/PIW Conveyors** – to operate and last in severe conditions, wet and dry, and aggressive mining conditions. Conveyor belt speeds that exceed 800 fpm and/or greater than 1500 PIW.
- **Accommodates Excessive Force** – encountered with wide belts
- **Enhanced Sealing/Bearing System** – needle thrust and tapered roller bearings and enhanced sealing system for the most aggressive mining conditions.
- **Individual Rollers for Easy Replacement** – separate tapered rolls are mounted onto the pivot mechanism, which can be individually replaced as wear occurs.

Belt Width 48” – 96”

Application – Aggregate, Cement, Mineral (Phosphate, Potash, Salt) Mining, Coal Fired Power Plant, Hard Rock Mining, Metals (Copper/Gold) Mining, Steel Mill, Iron Ore



Tru-Trainer® Dual Return Urethane Idler

Accommodates Excessive Force On Conveyor Belts & Heavy Loads

The **Tru-Trainer® Urethane Dual Return** was developed to accommodate the excessive forces encountered with wide belts and heavy loads. An external central pivot mechanism was designed, obviating the need for a single, large drum, and enabling a concentric and balanced rotation to be achieved. Excellent for Reversing belt applications.

- **Designed for High Speed/PIW Conveyors** – to operate and last in severe conditions, wet and dry, and aggressive mining conditions. – Conveyor belt speeds that exceed 800 fpm and/or greater than 1500 PIW.
- **Heavy Duty Rolls** – 3/4" polyurethane lagged, tapered rollers are mounted onto the pivot mechanism, which can be individually replaced as wear occurs.
- **Enhanced Sealing/Bearing System** – needle thrust and tapered roller bearings and enhanced sealing system for the most aggressive mining conditions.
- **Individual Rollers for Easy Replacement** – separate tapered rolls are mounted onto the pivot mechanism, which can be individually replaced as wear occurs.

Belt Width 48" – 96"

Application – Aggregate, Cement, Mineral (Phosphate, Potash, Salt) Mining, Coal Fired Power Plant, Hard Rock Mining, Metals (Copper/Gold) Mining, Steel Mill, Iron Ore



Tru-Trainer® Dual V-Return Idler

Accommodates Excessive Force with V-Return Idler Conveyors

The **Tru-Trainer Dual V-Return** was developed to accommodate the excessive forces encountered with V-Return idler conveyors, systems and structures.

- **Two Separate Tapered Rolls** – are mounted into the pivot mechanism and can be individually replaced as wear occurs
- **Designed for High Speed/PIW Conveyors** – to operate and last in severe conditions, wet and dry, and aggressive mining conditions. Conveyor belt speeds that exceed 800 fpm and/or greater than 1500 PIW.
- **Accommodates Excessive Force** – encountered with wide belts and heavy loads.
- **Enhanced Sealing/Bearing System** – needle thrust and tapered roller bearings and enhanced sealing system for the most aggressive mining conditions.
- **Individual Rollers for Easy Replacement** – separate tapered rolls are mounted onto the pivot mechanism, which can be individually replaced as wear occurs.

Belt Width - 42" – 84"

Application – Aggregate, Cement, Mineral (Phosphate, Potash, Salt) Mining, Underground Mining, Coal Fired Power Plant, Hard Rock Mining, Metals (Copper/Gold) Mining, Steel Mill, Iron Ore, Bulk Shipping Terminals



Tru-Trainer® Dual V-Return Urethane Idlers (Mine Duty)

Accommodates Excessive Force with V-Return Idler Conveyors

The **Tru-Trainer® Dual Return Urethane** was developed to accommodate the excessive forces encountered with wide belts and heavy loads.

- **Designed for High Speed/PIW Conveyors** – to operate and last in severe, wet, dry, and aggressive mining conditions. Conveyor belt speeds that exceed 800 fpm and/or greater than 1500 PIW.
- **Heavy Duty Rolls** – 3/4" polyurethane lagged, tapered rollers are mounted onto the pivot mechanism, which can be individually replaced as wear occurs.
- **Enhanced Sealing/Bearing System** – needle thrust and tapered roller bearings; enhanced sealing system for the most aggressive conditions.

Belt Width - 42" – 84"

Application – Aggregate, Cement, Mineral (Phosphate, Potash, Salt) Mining, Underground Mining, Coal Fired Power Plant, Hard Rock Mining, Metals (Copper/Gold) Mining, Steel Mill, Iron Ore, Bulk Shipping Terminals



CONVEYOR BELT TRACKING & SPECIALTY IDLERS

Tru-Trainer® Tapered Troughing Idler

The Best Conveyor Belt Tracking Idler for Tough Mining Conditions

The patented ASGCO® **Tru-Trainer® Tapered Trougher Idler** offers the ultimate in tracking performance on the load-carrying side of the conveyor and is the result of over 10 years of design and innovation. This design is highly responsive and quick to activate on both loaded and unloaded conveyors.

- **Exceptional Performance** – The combination of the tapers and unique center pivot, provide fast, reactive and continual tracking in all conditions
- **Individual rollers for easy replacement** – Both the taper wing and center roller can be individually replaced as wear occurs
- **Enhanced Center Pivot** – The unique heavy duty pivot design provides instant activation to centralize the belt to keep it running center.
- **Maintenance Free** – Bearings do not require any greasing
- **Lagging** – Available in High Abrasive, Rubber Lagging 1/2" thick or Polyurethane Lagging 1/2" (Red). Also available in Fire Retardant lagging.
- **Operates in all conditions** – Quick activation on both wet and dry conveyor belts,
- **Versatile Installation** – Minimum tension is required on the center rolls, which can be easily adjusted with the supplied mounting brackets.
- **Reversing Belts** – Excellent performance. Available from 18 in. - 84 in. (Bigger sizes can be made to order)

Belt Width - 18" – 84"

Application – Aggregate, Cement, Mineral (Phosphate, Potash, Salt) Mining, Underground Mining, Coal Fired Power Plant, Steel Mill, Iron Ore, Bulk Shipping Terminals

TRU-TRAINER®



Tru-Trainer® Food Grade Lightweight Belt Tracker

Proven Lightweight Conveyor Belt Tracking

ASGCO®'s **Food Grade Tru-Trainer® Training Idler** is designed and proven for training lightweight conveyor belting in the food and material handling industries.

- **Easy installation** – and no maintenance
- **Vibration free** – rolling action
- **Simple design** – few moving parts
- **No contact with belt edge**
- **Operates in all conditions** – wet and dry conveyors
- **Designed and proven for tracking lightweight conveyor** – belting in the food and material handling industries
- **Internal pivot provides fast reaction** – to track the conveyor belt to the center of the system.
- **Urethane covered and tapered ends** – provide self-cleaning and high coefficient of friction to train the belt

Available in Belt Width 12" – 48"

Lagging – Covered with FDA Approved Food Grade Polyurethane

TRU-TRAINER®



Dura-Sleeve™ Idler

Patented Abrasion Resistant Urethane Sleeve

Dura-Sleeve™ Return Idlers are a patented abrasion resistant urethane sleeve that is easily clamped on any existing, new rubber or urethane disc return idler shaft.

- **Patented Design** – of our idler sleeve clamping system utilizes you to replace worn-out rubber or other urethane disc return idlers.
- **Abrasion Resistant Urethane** – compounds provide wearability that exceeds 5 times the wear life of standard rubber disc return idlers.
- **Meets all CEMA Standards** – and available in any conveyor belt width and inside and outside roller diameter.
- **3 Year Warranty** – ASGCO® offers the longest warranty on any Dura-Sleeve™ idler.

Application – Aggregate, Cement, Mineral (Phosphate, Potash, Salt) Mining, Underground Mining, Hard Rock Mining, Metals (Copper/Gold) Mining, Steel Mill, Iron Ore, Bulk Shipping Terminals
CEMA Class D and E



Slide-Ler™

Change Rolls Without Removing Adjacent Idlers

ASGCO® Slide-Ler™ give you the ability to change rolls under the conveyor loading skirt area without having to remove adjacent belt idlers. This allows the Slide-Ler™ to fit into tight or confined spaces, ensuring proper belt rolling support and ease of change out.

- **Perfect for Confined Spaces** – due to the frames only take-up 8” (200mm) of width when using 6” (150mm) rollers.
- **Improves Safety** – and maintenance by allowing rollers to be easily removed without having to remove any of the belt idler frames.
- **Meets all CEMA Standards** – and available in any belt width, troughing angle or idler.
- **Idler Rolls** – we can provide CEMA C, D or E steel or impact rolls.
- **Slide-Ler™ (One-Sided)** – Also available.

Troughing – 20°, 35° or 45°

Application – Aggregate, Cement, Mineral (Phosphate, Potash, Salt) Mining, Underground Mining, Coal Fired Power Plant, Steel Mill, Iron Ore, Bulk Shipping Terminals

CEMA C, D or E



One-Sided Slide-Ler™

Designed to be maintained from one side of the conveyor system

ASGCO® One-Sided Slide-Ler™ is a patented product designed to be maintained from one side of the conveyor system. This is ideal for systems with access on one side only, where a conveyor is located against the wall or high in the air with a catwalk on one side. You can replace the rolls with minimal downtime and eliminate the need for man lifts or having to work in a confined space

- **Perfect for Confined Spaces with one-side access** – due to the frames only take-up 8” (200mm) of width when using 6” (150mm) rollers.
- **Improves Safety** – and maintenance by allowing rollers to be easily removed without having to remove any of the belt idler frames.
- **Meets all CEMA Standards** – and available in any belt width, troughing angle or idler.
- **Idler Rolls** – we can provide CEMA C, D or E steel or impact rolls.

Troughing – 20°, 35° or 45°

Application – Aggregate, Cement, Mineral (Phosphate, Potash, Salt) Mining, Underground Mining, Coal Fired Power Plant, Steel Mill, Iron Ore, Bulk Shipping Terminals

CEMA C, D or E



MDX Stub Idler

Conveyor Belt Stub Idler Designed for Heavy Loads

The MDX Stub Idler provides increased sidewall conveyor belt life and is designed for heavy load support.

- **Designed to provide** increased sidewall conveyor belt life.
- **Designed its stub idlers** (patented) with the regreasable bearings located in a housing with a non-rotating grease fitting and the roller welded to the shaft.
- **Incorporates the proper decline angle** of 0°, 3° or 5° for the roller to match the belt manufacturer’s recommendation and offers the idlers in “drop” or “rise” designs to fit all conveyor frame/belt combinations.
- **Rollers are available** in steel, rubber covered or solid polyurethane.
- **Designed for** heavy load support and high belt speeds.
- **Increased production capacity allows for quicker delivery on all custom sizes.**

Bracket Decline – 0°, 3°, 5°

Application – Aggregate, Cement, Mineral (Phosphate, Potash, Salt) Mining, Underground Mining, Steel Mill, Iron Ore, Bulk Shipping Terminals



CONVEYOR BELT TRACKING & SPECIALTY IDLERS

Dampening Roll Assembly

ASGCO's **Dampening Rolls** are designed to be used with our Vibra-Clean belt cleaner to reduce the vibration caused by the cleaner impacting the belt at a rate of 1200 times a minute.

- **Robust Design** – of the rollers consists of 2 pairs of dual stub idlers that are matched to the belts recess, and a flat idler that “sandwiches” the belt.
- **Easy Installation** – of the assembly accommodates belts of various thicknesses and requires only four bolts to secure it to the frame.
- **Dampening Roll Assemblies** – for steep angle, flexible sidewall belt conveyors.

This is a custom ASGCO® product, for more information contact us.

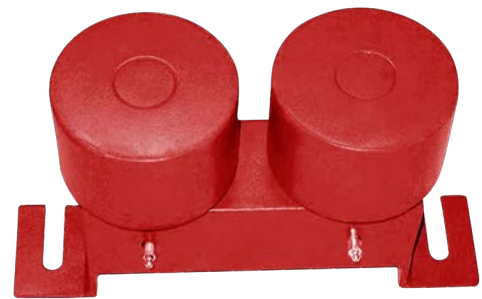


Conveyor Belt Guide Idlers

Guide Idlers are used to protect the belt edges and flanges from damage if the belt tracks off. Available in single, double, triple, etc.

- **Protect Belt Edges and Flanges** – by placing the Guide Idlers prior to changes in the direction of the conveyor belt as it travels over the pulleys and / or deflection wheels.
- **Designed and Built in Standard Sizes** – that are 2½” (62.5mm), 5” (125mm), and 6” (150mm) diameter rollers with tapered roller bearings and 4” (100mm) face lengths.
- **Assists in training** – prior to change in belt direction
- **Conveyor Belt Guide Idlers** – for flexible sidewall conveyors.

This is a custom ASGCO® product, for more information contact us.



Canti-Wheel™ Conveyor Assemblies

The ASGCO® **Canti-Wheel™** assembly rolls allow the conveyor belt to change the angle of inclination. This combines a foot or flange mounted idler with a dual webbed wheel

- **Higher Tonnage Loads** – can be handled by the robust design.
- **Cost Effective Solution** – versus the conventional style of deflector wheel.
- **OSHA Friendly** – arrangement that eliminate the shaft that spans across normal deflector wheels, and is easier to guard.
- **Canti-wheel** – Conveyor Assemblies for varied angle of inclination.

This is a custom ASGCO® product, for more information contact us.



Belt Beaters

Increases Belt Life

The ASGCO® **Belt Beater** has been designed to work on the return or “clean” side of flexible sidewall or conventional troughed belts.

- **Heavy duty wall rollers** rotate around a main shaft at approximately 600 RPM.
- **Mounted behind the head pulley**, rollers impact the belt causing the material to loosen and fall from the belt.
- **Works on the back of the belt** where the cover is thin.
- **Increases belt life** due to roller contact and not bars that can “scrub” the belt and cause the cover to wear.
- **Designed to handle** belt widths over 42” without incurring excessive loading on the beater roll’s bearings.
- **Universal Mount Drive Package available** including motor and v-belt drive.

This is a custom ASGCO® product, for more information contact us.





Dura-Sleeve™ Idlers



Tru-Trainer® Dual Return Urethane Idler (Mine Duty)



Tru-Trainer® Flat Return Idler



Tru-Trainer® Tapered Troughing Idlers



Tru-Trainer® Dual Return Idler



Steep Angle Accessory - Stub Idlers



Tru-Trainer® Dual V-Return Idler



Slide-Ler™

YOUR ISSUE: MISTRACKING AND SPILLAGE

OUR SOLUTION: IMPACT BEDS, SKIRTING SYSTEM, PLOWES AND MORE

BELT SEALING

- Engineered to minimize fugitive material, including dust, with quality skirting and wear liner products.

DUST CONTAINMENT

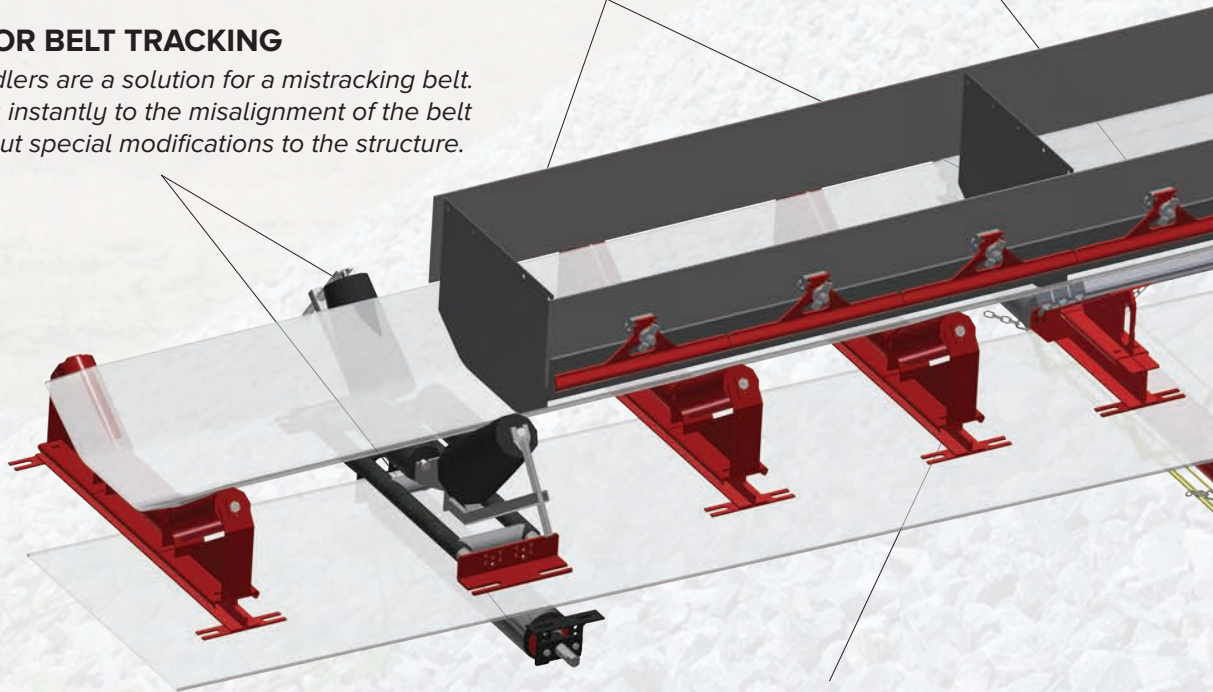
Seal the dust inside the conveyor equipment so it can't become airborne and create health and safety hazards

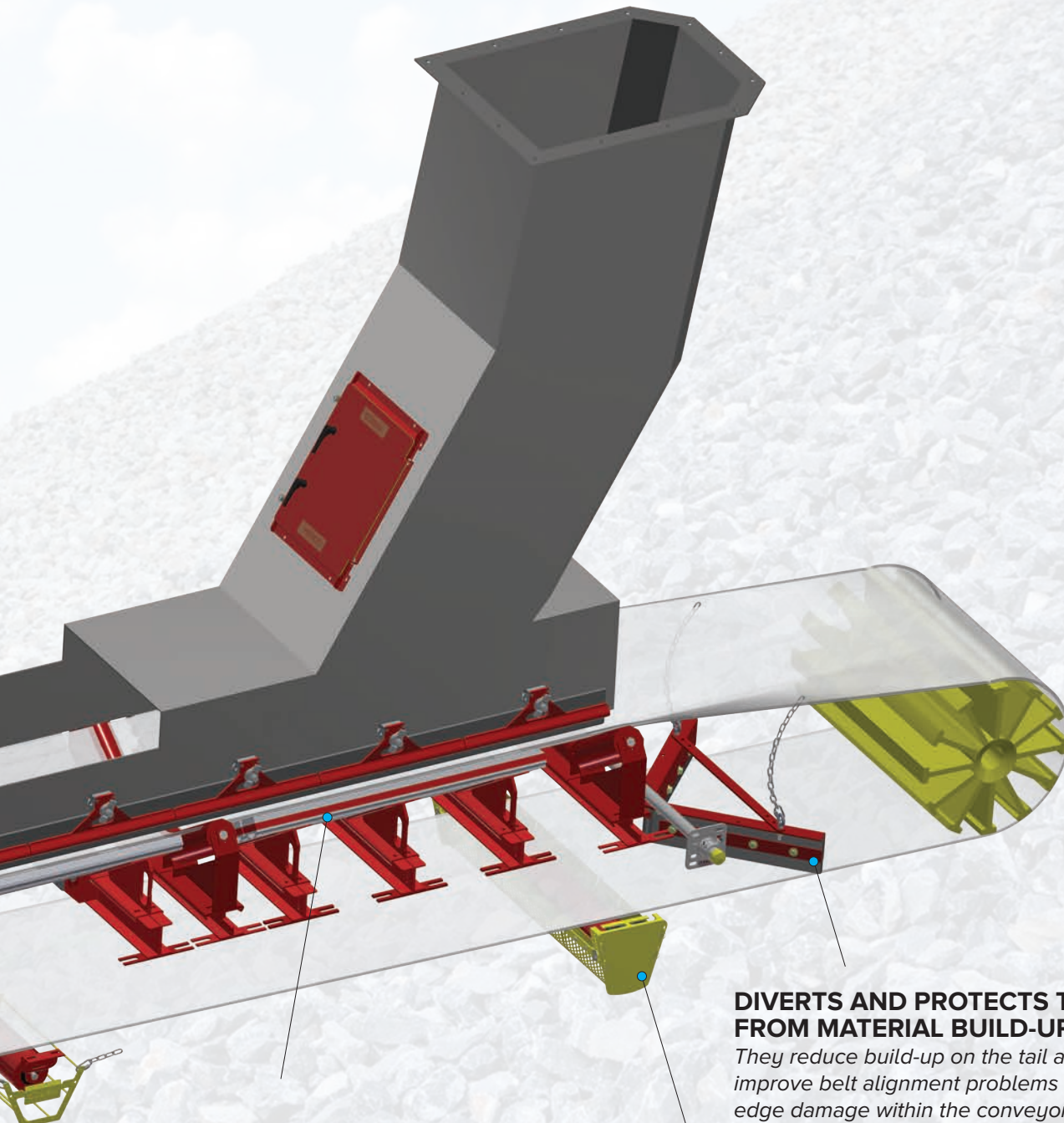
CONVEYOR BELT TRACKING

- Training idlers are a solution for a mistracking belt.
- Responds instantly to the misalignment of the belt and without special modifications to the structure.

BELT SUPPORT

- Supports the conveyor belt and provides a trough to contain the material conveyed.
- Supports the belt as material settles and prevents belt drag.





PROTECT YOUR CONVEYOR BELT FROM IMPACT IN THE LOAD ZONE / TRANSFER POINT

- *Impact beds protect your conveyor belt and help eliminate spillage.*
- *Protect equipment by absorbing the force of falling material at the transfer point*

DIVERTS AND PROTECTS THE TAIL PULLEY FROM MATERIAL BUILD-UP.

They reduce build-up on the tail and take-up pulleys to improve belt alignment problems and thus reduce belt edge damage within the conveyor system.

SAFE-GUARDS / PREVENT INJURIES

- *Return idler guards/cages catch the return idler or material if it falls.*
- *Prevents injuries from pinch points*

FOR
AVIATION
NOISE
FREE



ELIMINATE SPILLAGE AND PROVIDE EFFECTIVE LOAD SUPPORT

REDUCING COSTLY MAINTENANCE AND DOWN-TIME COSTS!

ASGCO®'s Impact Beds are manufactured and designed to absorb the impact of large material and support the entire belt in the load zones. ASGCO® applies advanced engineering technologies and years of experience to enhance your material flow. Let one of our experts cover everything you will need to complete your next conveyor installation job—including explanation of the different ASGCO® conveyor impact beds, initial site analysis, design development, engineering, installation, and post-installation services and maintenance.

ASGCO®'s Impact Beds are available in custom and low profile designs to fit your specific operation requirements!

ADVANTAGES

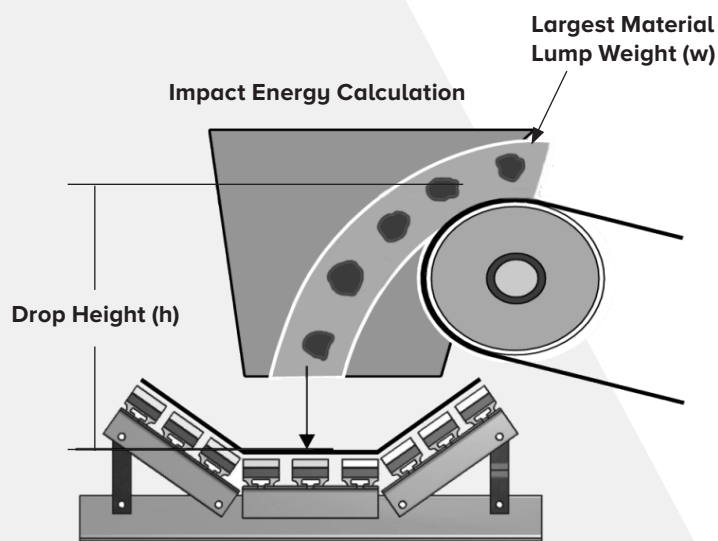
- Robust and Impact resistant
- Extended life of skirting
- Reduced maintenance costs
- Reduces belt perforation and damage
- Can contribute to increased tonnage on a belt
- Overall safer work environments

Impact Energy Calculation

How to spec the correct impact bed for your conveyor transfer point.

Impact Energy

Lump Weight (w) _____
Drop Height (h) x _____
Total = lb-ft _____



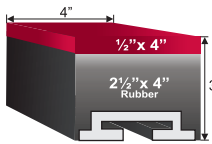
CONVEYOR LOAD ZONE SUPPORT SYSTEMS

Impact Cradle Bed™

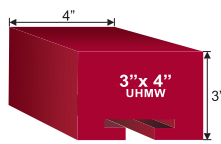
Protect your Conveyor Belt from Impact in the Load Zone / Transfer Point

ASGCO®'s patented **Impact Cradle Beds™** are designed to provide protection to your conveyor belt from impact damage from large rocks, tramp metal, roof bolts or bucket teeth, that can put a stop to operations. Our modular style impact beds provide impact protection for the conveyor belt, as well as a tool to help control spillage in the conveyor loading zone.

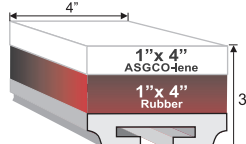
- **Improved Impact Cradles** - no pinch point or idler junction area utilizing our 17.5° bars for 35° idler systems; 10° bars for 20° idler systems and 22.5° bars for 45° idler systems.
- **Absorbs Impact** – with heavy duty steel designed framework and our impact bars that are manufactured with our absorbent, 40 durometer rubber that can really take the shock of large material.
- **Modular Designed** – cradles can be manufactured in 2' (600mm), 3' (900mm), 4' (1200mm) or 5' (1500mm) long, depending upon the size of your material impact area.



STANDARD IMPACT



HD SLIDER



PREMIUM IMPACT

Quarry Duty Impact Bed™

Efficient and Safe Protection for the Load Zone

ASGCO®'s Quarry Duty Impact Beds are designed to offer an efficient and safe means of protecting the conveyor belt and helping to eliminate spillage / dust in the load zone. While the specification and installation of the impact bed is simple, the robust design provides the rugged durability needed for quarries and today's demanding applications.

- **Protects the Conveyor Belt** – The robust design for aggregate and quarry operations is able to take the impact of falling materials while maintaining an effective seal of the skirtboards.
- **Efficient and Safe** – Safe and easy installation and service of the impact beds is a priority in any operation.
- **Affordable Options** – Available is both Light Duty (up to 250 lb.-ft.) and Standard Duty (between 250- 750 lb.-ft.) in either 4' or 5' long beds.



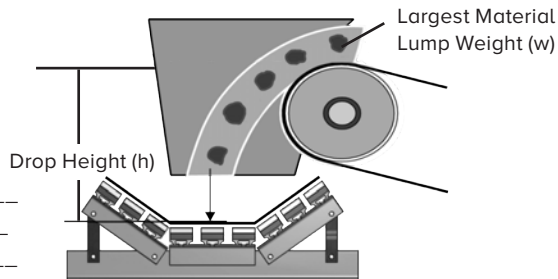
Impact Energy Calculation Chart

How to spec the correct impact bed for your conveyor transfer point

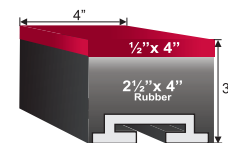
Impact Energy

Lump Weight (w) _____
 Drop Height (h) x _____

 Total = lb-ft _____



Also Available in Light Duty (250 QDLD)



STANDARD IMPACT

Slide-N-Roll™ Bed

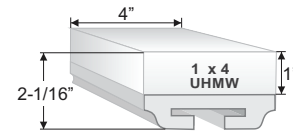
Provides Powerful Load Support

Slide-N-Roll™ Beds provide for an effective load support while helping to eliminate dust and spillage in the conveyor load zone. Replacing the side troughing idlers with low friction UHMW bars will help to reduce the belt friction and will also eliminate the gap in between the idlers to provide an effective sealing surface for the skirting

- **Increase Belt Life** - by eliminating the gaps, scalloping and pinch points between the belt and the skirt liners which can cut and gouge the belt.
- **Seals the Transfer Point** - by supporting the belt edge on a flat surface that allows the skirting to work more effectively for an effective seal.
- **Robust Designed** - steel frames and 1" (25mm) thick UHMW slider bars provide excellent wear life.
- **Engineered and Designed** - beds can be made into 4' (1200mm), 5' (1500mm), 6' (1800mm) or 10' (3000mm) lengths.
- **Any troughing angle.**
- **Number of frames will be determined by each application.**



Impact Slide-N-Roll™



LOW PROFILE

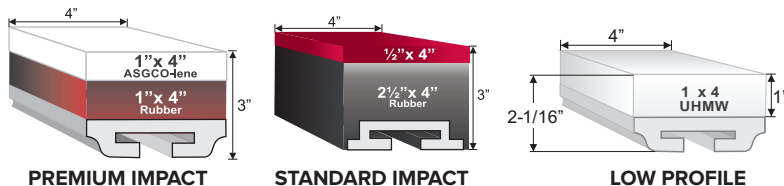


3 Roll Slide-N-Roll™ Bed

The Ultimate In Loading Zone Spillage Control

ASGCO®'s patented **3-Roll Slide-N-Roll** is the ultimate loading zone spillage control for belt widths 36" and above. Our patented design encompasses a three-roller idler with low-friction UHMW bars, creating a dust free, high-speed material transfer point.

- **Specifically Designed** – for wide, hi-speed (over 700 fpm), and high tonnage conveyor systems.
- **Reduces Dust** – by maintaining a flat area in the load zone for the skirting to maintain an effective seal against the conveyor belt.
- **Custom Built** – beds can be made into 4' (1200mm), 5' (1500mm), 6' (1800mm) or into our 10' (3m) standard length bed with frames on 12" centers.



CONVEYOR LOAD ZONE SUPPORT SYSTEMS

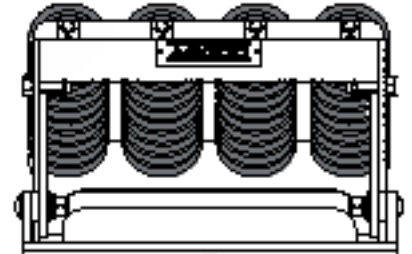
Roller Cassette Conveyor Belt Impact Bed & Slider Incorporate The Advantage Of Sealing

Roller Cassettes Beds incorporate the advantages of slider and impact bars for sealing while maintaining constant rolling support for the conveyor belt in the load zone. This system provides additional rolling support as well as being able to eliminate the deflection between the belt and standard impact or troughing belt idlers.

- **Load Supported** - by having up to 4 sets of troughing idlers (12 rolls in an area that you would normally only have 2 (6 rolls).
 - 9 or 12 idler sets are available.
 - 28" wide frame, using 6" (150mm) diameter rolls
 - Rolls can be spaced on 5" (125mm) to 7" (175mm) centers based on the roll diameter.
- **Custom Designed** - to suit your particular application.
 - Impact, Steel, or Ceramic rollers are available.
 - Stainless, Galvanized or Steel frames are available.
- **Meets All CEMA Standards** - and is available in any belt width or troughing angle.



Also Available
with Steel Rollers



Enclosed Skirting System

Effective Skirtboard Sealing System for More-Productive Material Handling

ASGCO's **Enclosed Skirt Board Sealing System** is a highly effective method of containing material and dust through the conveyor loading points or load zone area. Enclosed Conveyor skirt board systems can be customized with various types of internal skirt board liners, internal dust curtains, external skirting clamps and dust sealing compounds, depending on the application.

- **Sealing Options** – ASGCO® provides a range of internal liners, external skirt clamps and rubber and polyurethane sealing options depending on the application.
- **Easy Installation** – Our skirt legs can be mounted anywhere along your conveyor structure and are vertically adjustable with our horizontally adjustable skirt walls.
- **Customizable** – We custom design each Enclosed Skirt Board Sealing System to ensure the highest degree of customer satisfaction.
- **Easy Maintenance** – Internal liners and external skirting are vertically adjustable and easily replaceable.

INTERNAL LINERS
Vertically Adjustable
and easily replaceable

SKIRT LEGS AND WALLS
Vertically and Horizontally
Adjustable

DUST CURTAIN
Suppresses and reduces
airflow, which helps to
contain dust



Lift Bed – Diverter Plow™

Belt Cleaning System Allows for More Discharge Points

The Lift Bed – Diverter Plow™ is a pneumatically operated impact bed that lifts the conveyor belt from full trough to zero (0°) into a stationary diagonal plow. The urethane diagonal plow, which includes two Spring-Shoc™ tensioners, enables the lift bed to apply the proper tension and not pinch or damage the belt. This increases production and allows the belt to experience a limited amount of stress, eliminating the opportunity for premature wear and stretching.

- **Excellent Performance** – allows users to fully clean and divert materials at designated locations.
- **Diagonal Plow** – discharges material from one side of the belt. It can be discharged on either side of the conveyor as specified by the customer during design.
- **Spring-Shoc™ Tensioners** – with impact absorbing rubber cushions ensure maximum tension is applied to clean all material from the belt.
- **Simple to Use** – can be automated by either the push of a button or set-up on a timer or PLC system.
- **Eliminates Pre-Mature Belt Wear and Stretching** – by allowing the belt to experience a limited amount of stress.
- **Designed** – with a rugged steel structure for the toughest of mining environments and conditions including such as those in asphalt, aggregate, coal and cement industries. Based on the roll diameter.

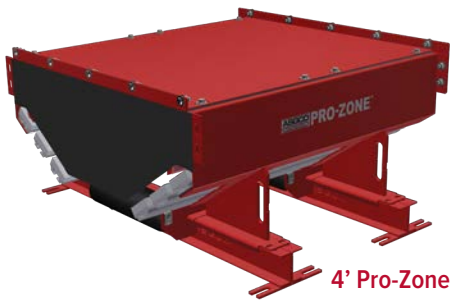


Pro-Zone®

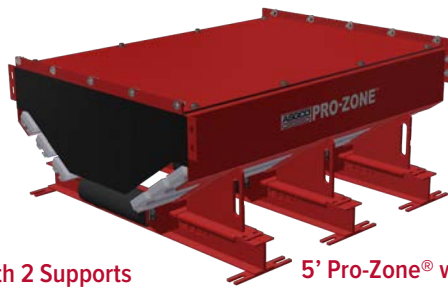
Modular Enclosed Load Zone System

Pro-Zone® is a patented modular conveyor belt load-zone system that optimizes the sealing for air/dust tightness of the receiving conveyor belt. This “skirt-less”, fully self-contained system is comprised of our Slide-N-Roll beds with our removable, “slide-out” steel side supports with UHMW bars and easily removable center rolls. Walls, internal sealing system, dust curtains, back plate and flat lids completely enclose the entire system.

- **Environmentally Friendly** – due to significant reduction of airborne and fugitive dust.
- **Increased Productivity** – and longer conveyor belt life because the completely sealed load zone helps eliminate material turbulence and conveyor belt cover abrasion.
- **Lower Maintenance Costs** – by having a “skirt-less”, fully contained system that needs no adjustments of metal skirtboards or rubber skirting.
- **Modular Design** - can be installed in any combination of 4’ (1200mm) or 5’ (1500mm) lengths to completely cover load zone area. Quick removable lids, slide-out side sections and removable center rolls aid in the installation and maintenance of the system.
- **Made in the USA** - completely engineered, designed, fabricated and stocked in the USA.



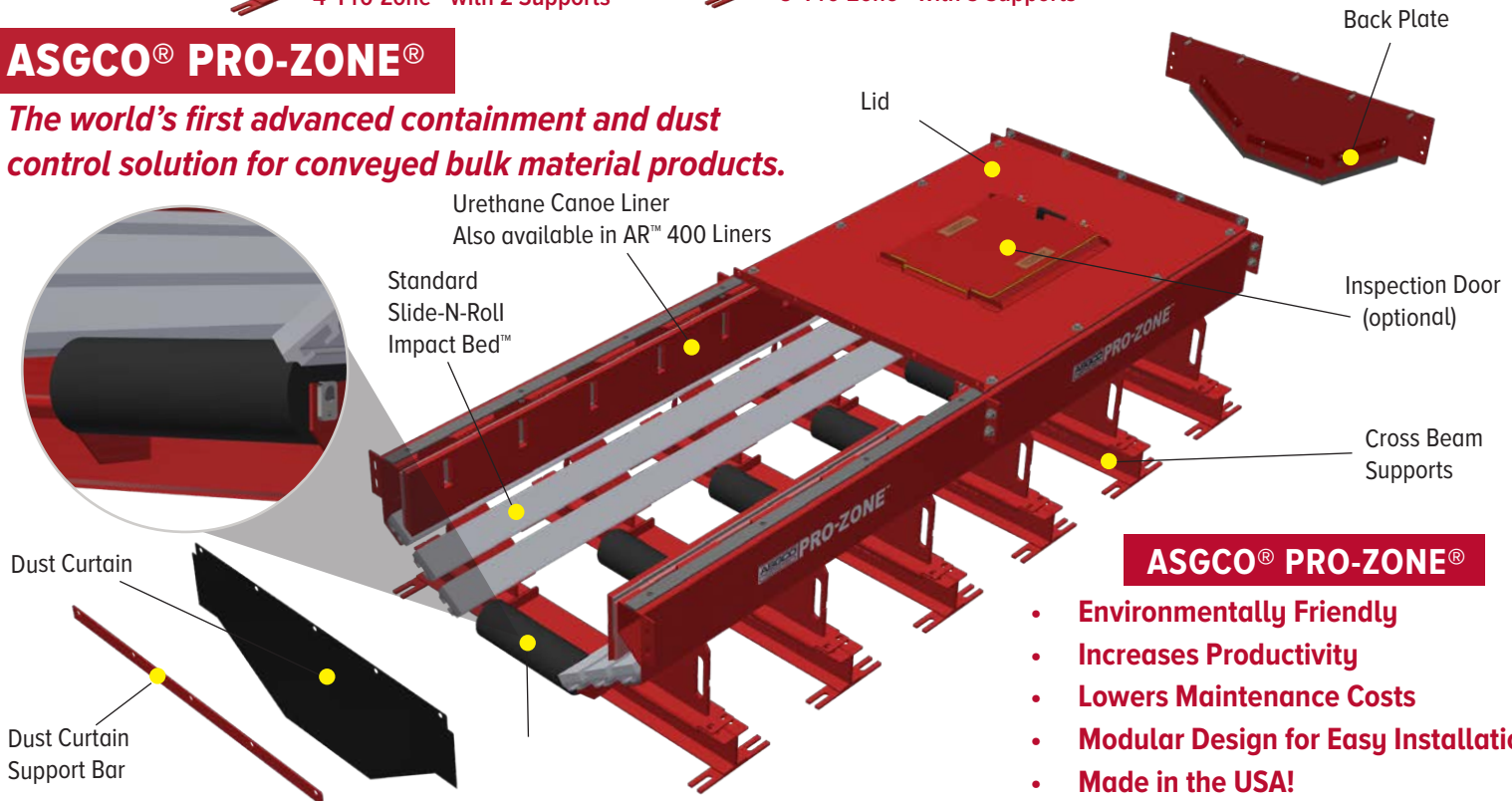
4’ Pro-Zone® with 2 Supports



5’ Pro-Zone® with 3 Supports

ASGCO® PRO-ZONE®

The world’s first advanced containment and dust control solution for conveyed bulk material products.



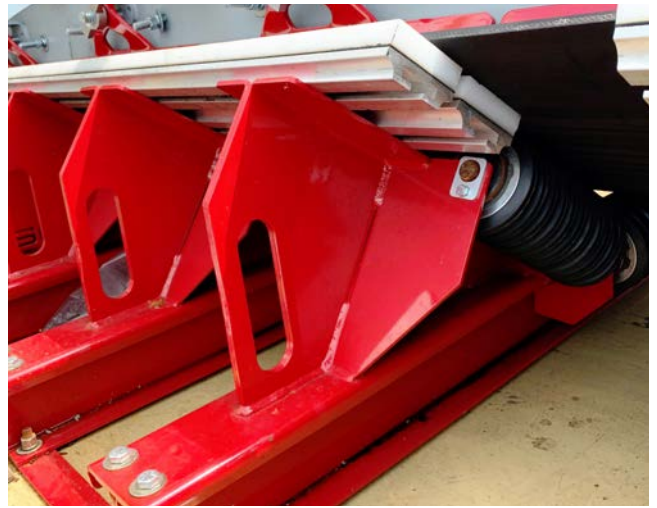
ASGCO® PRO-ZONE®

- **Environmentally Friendly**
- **Increases Productivity**
- **Lowers Maintenance Costs**
- **Modular Design for Easy Installation**
- **Made in the USA!**

CONVEYOR LOAD ZONE SUPPORT SYSTEMS



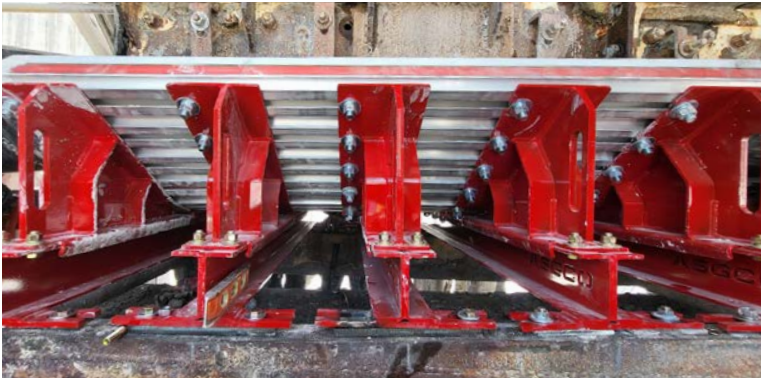
Impact Cradle Bed™



3 Roll Slide-N-Roll™ Bed



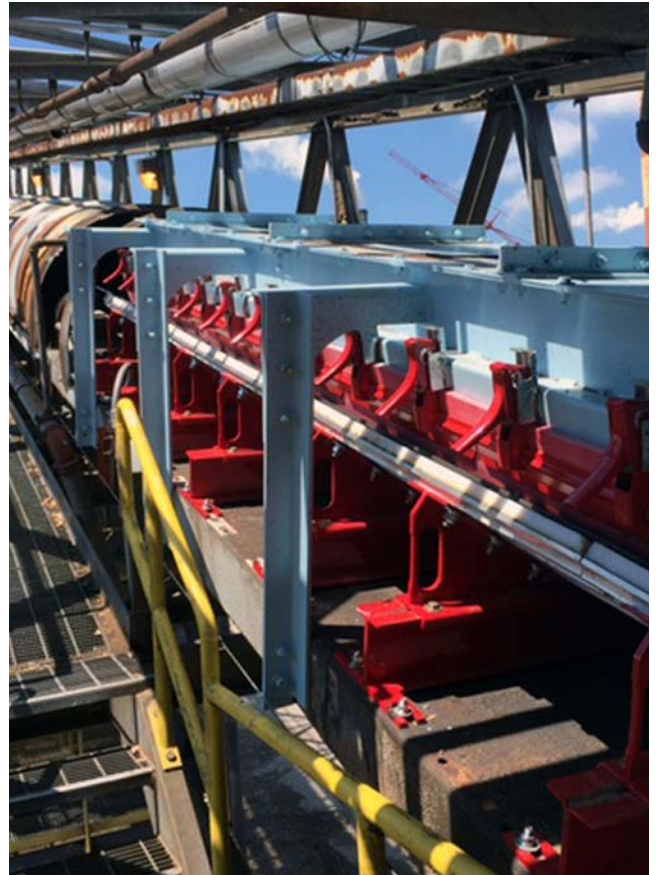
Pro-Zone™



Quarry Duty Impact Bed™



Slide-Ler™



Slide-N-Roll™



Enclosed Skirting System



Lift Bed – Diverter Plow™



Roller Cassette Conveyor Belt Impact Bed & Slider



Impact Cradle Bed™



Lift Bed – Diverter Plow™



Enclosed Skirting System

TRANSFER POINT



WANT TO IMPROVE YOUR CONVEYOR PRODUCTIVITY... **ASK ASGCO**

CONVEYOR TRANSFER POINTS DESIGNED TO PROVIDE A CLEAN, SAFE AND PRODUCTIVE SYSTEM.

The performance of conveyor transfer points is crucial to the productivity of conveyor systems in the bulk solids industry. Transfer point design, fabrication, and installations utilizing ASGCO® 3-D Point Cloud Scanning and 3-DEM (Discrete Element Method) assist in streamlining material flow from the point where material leaves the head pulley until it comes in contact with the receiving conveyor belt resulting in a more controlled flow. ASGCO® Conveyor Transfer Points will help eliminate common problems such as off-center loading, material spillage, chute wear, and dust generation and will improve the efficiency and productivity of your conveying system.

From initial surveys, engineering design, fabrication, and on-site installation ASGCO®'s goal is to find solutions to:

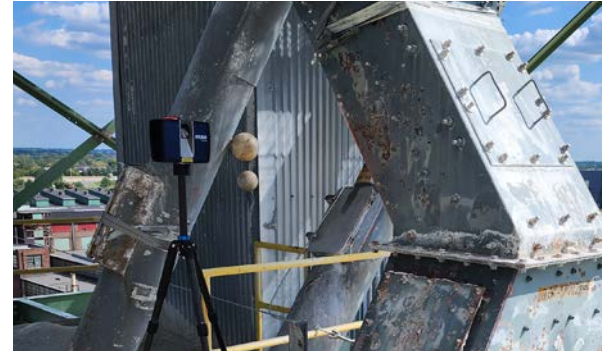
- Increase Production Capabilities
- Optimize Belt Life & Components
- Ensure Proper Belt Tracking
- Minimize Material Spillage
- Minimize Chute and Belt Impact
- Reduce Need for Dust Control
- Prevent Plugging

TRANSFER POINT DESIGN AND FABRICATION

TECHNOLOGY IN THE HANDS OF OUR EXPERTS TO CAPTURE YOUR SITE WITH EXTREME DETAIL AND CONVERT IT INTO DATA YOU CAN VIEW ANYWHERE.

Point Cloud Laser Scanning

ASGCO® Point Cloud Laser Scanner is a powerful high-speed Focus3D X 130 HDR 3D scanner, delivering realistic and true-to-detail scan results. The laser technology is more accurate than traditional methods because it captures thousands of points along the clearance plane. The ultra-portable Point Cloud Laser Scanner enables fast, straightforward, and then a 360° view accurate measurements of facades, complex structures, production and supply facilities, accident sites, and any environment.



Realistic And True-To-Detail Laser Scanning

The increased camera resolution of Focus3D X130 HDR delivers extraordinary color overlays for scanned point clouds. This improves the visualization of important details on site.

- Distance accuracy up to $\pm 2\text{mm}$
- Range from 0.6m up to 130m
- Noise reduction of 50%
- Safe and fast as-built data capturing with superior color detail
- Reliable life-like visualization – even under extreme lighting conditions
- Reduced complexity by integrated scanning – and imaging workflow for all kinds of measurements even in challenging environments
- Cloud files are integrated into the inventor where modeling against the cloud is performed.



Ensures Accuracy

ASGCO® Point Cloud Laser Scanner delivers extraordinary color overlays for scanned point clouds. This improves the visualization of important details on site. Our system can capture over 1 million points per second and can scan through 360° horizontally and vertically.

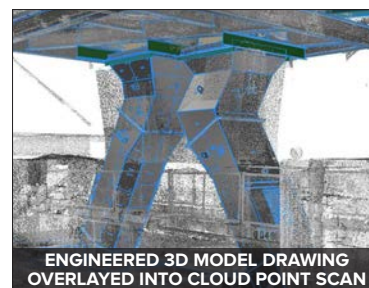
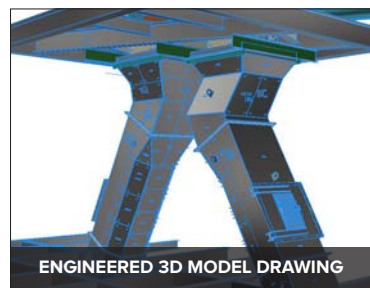
Once the chute and conveyor are modeled the image is overlaid into the cloud point scan to ensure there are no interferences and that all modeled equipment fits properly.

The increased camera resolution of Focus3D X130 HDR delivers extraordinary color overlays for scanned point clouds. This improves the visualization of important details on site.



HD Resolution

The increased camera resolution of Focus3D X130 HDR delivers extraordinary color overlays for scanned point clouds. This improves the visualization of important details on site.

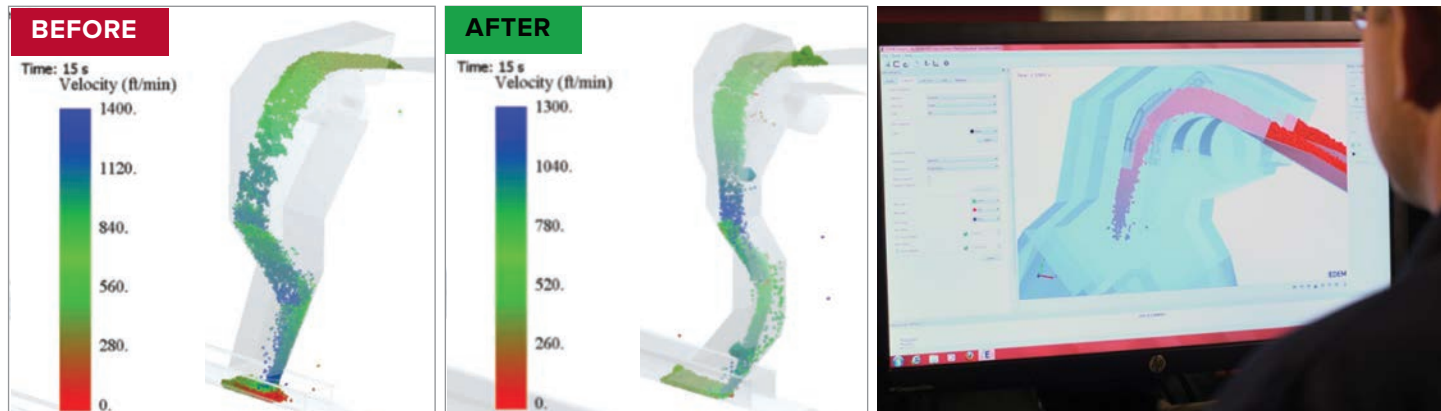


3-DEM™ Transfer Point Design

ASGCO's 3-DEM® Complete Transfer Point Design and Fabrication, is a revolutionary way to handle granular and particular material handling problems through computer simulation and 3-D CAD. Combined with our conveyor and material handling knowledge and engineering capabilities we are able to make transfer point problems a thing of the past.

FEATURES AND BENEFITS

- **Increase Production Capabilities** - by helping to eliminate spillage, chute plugging, belt wear, dust control and noise.
- **Optimize Life on Conveyor Belt and Components** - by minimizing impact and top cover wear by using a soft or curved chute loading design.
- **Minimize Material Spillage** - in the design by center loading the material, load the material at a uniform rate and optimize the material flow in the direction of travel after the belt is fully troughed.
- **Reduce the Need for Dust Control and Suppression** - by minimizing the dust through loading the material at a uniform rate through a curved or soft loading design, maintain effective skirting, internal wear liners and dust curtains staggered throughout the loading area.



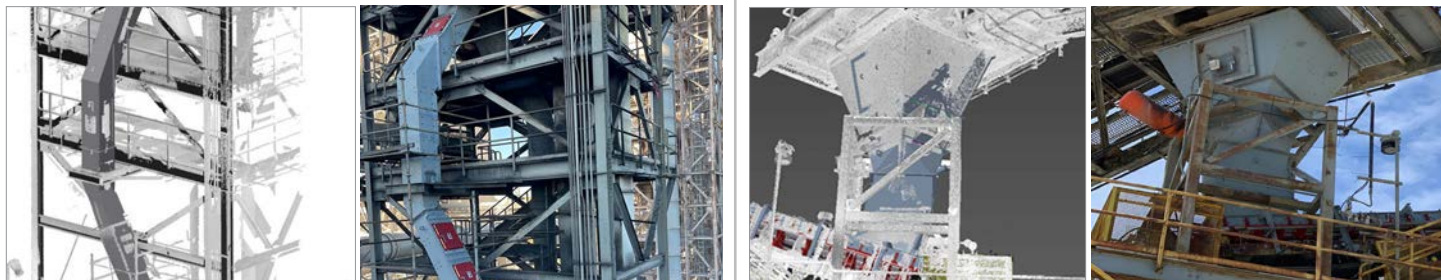
BEFORE: The material was free falling before loading onto the belt. This caused the material to intermittently build up while loading onto the conveyor. Referring to the “Before” image, the red demonstrates this issue.

AFTER: We were able to eliminate the material from free falling by engineering the chute to load the material in the direction of belt travel. Referring to the “After” image, the material is shown to have a green/blue. This indicates the material is moving instead of being stagnant.

THERE ARE TEN STEPS THAT NEED TO BE COMPLETED TO HAVE A TROUBLE-FREE TRANSFER POINT.

The complete conveying system needs to be evaluated and then a comprehensive design analysis provided to incorporate all of the necessary goals outlined by the customer along with the changes discussed to reduce the airborne dust while continuing to maintain full load capacity.

- STEP 1:** Take current drawings of existing transfer and render them accurately in 3-D CAD and fill out Data Sheet.
- STEP 2:** Identify chute geometry restriction and manufacturing limitations.
- STEP 3:** Identify customer project goals (i.e. flow restrictions, dust emissions, optimize chute and belt life).
- STEP 4:** Identify material properties and develop representative particle description.
- STEP 5:** Make design changes to chute geometry.
- STEP 6:** Simulate performance using 3-DEM™ Chute Design software.
- STEP 7:** Evaluate simulation results and choose the best design that meets the project goals.
- STEP 8:** Detail the new design for manufacturing.
- STEP 9:** Manufacture the new transfer point including other conveyor components.
- STEP 10:** Installation of the new transfer chute and other conveyor components (i.e. belt cleaners, skirting systems and load zone beds or rollers).



TRANSFER POINT DESIGN AND FABRICATION

ASGCO® Flo-Control™ Transfer Chutes

ASGCO® Flo-Control™ transfer point solutions solve the problems of material flow from the discharge pulley, through the chute until it reaches the receiving belt.

After analyzing the flow of the material we incorporate a “Hood” deflector as the material leaves the discharge pulley. This “Hood” deflector with adjustment control allows for fine-tuning of the material stream to direct the material for optimum flow. The receiving end or bottom end of the conveyor, ASGCO® utilizes a “Spoon” design to ensure the uniform direction of the material without impact to the chute or the receiving conveyor belt.

Benefits of 3-DEM® Transfer Point Design and Flo-Control™ Chutes:

- Center load material
- Load material at a uniform rate
- Load in direction of belt travel – (receiving conveyor)
- Load at the same speed the belt is moving – (receiving conveyor)
- Load material with minimum impact

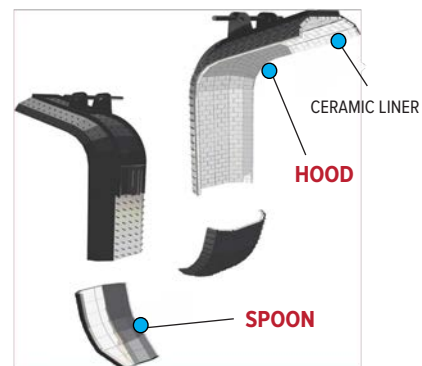
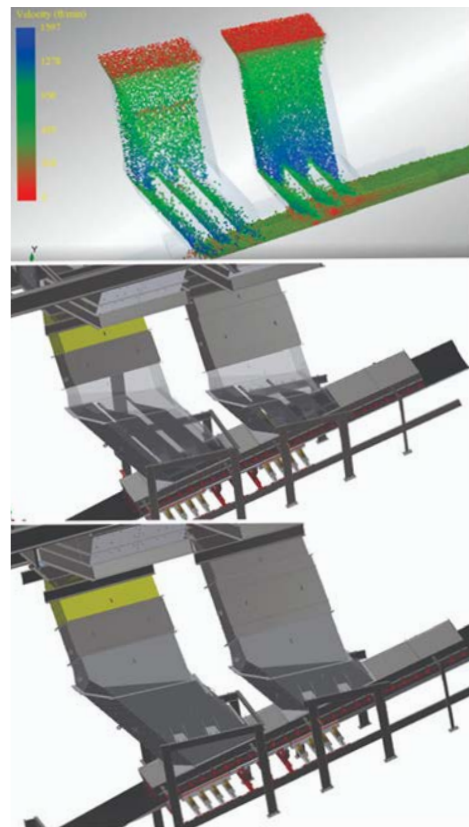
ASGCO® Flo-Control™ transfer point solutions prevent:

- Plugging
- Chute wear and belt wear
- Dust creation
- Material spillage

Installation

The new chute can incorporate a hood insert or a complete remodeling of the entire top and bottom of the transfer point. The head chute will direct the material down through a lower spoon section that will direct the flow in the direction of belt travel and centered on the belt.

A team of certified service technicians, working with our engineering staff, create, fabricate and install all of the components. The new chute and spoon design allows for the material to load directly onto the center of the receiving belt, flowing in the direction of belt travel. Airborne dust and spillage is virtually eliminated with the new chute and spoon.



Conveyor Transfer Chutes and Transfer Points

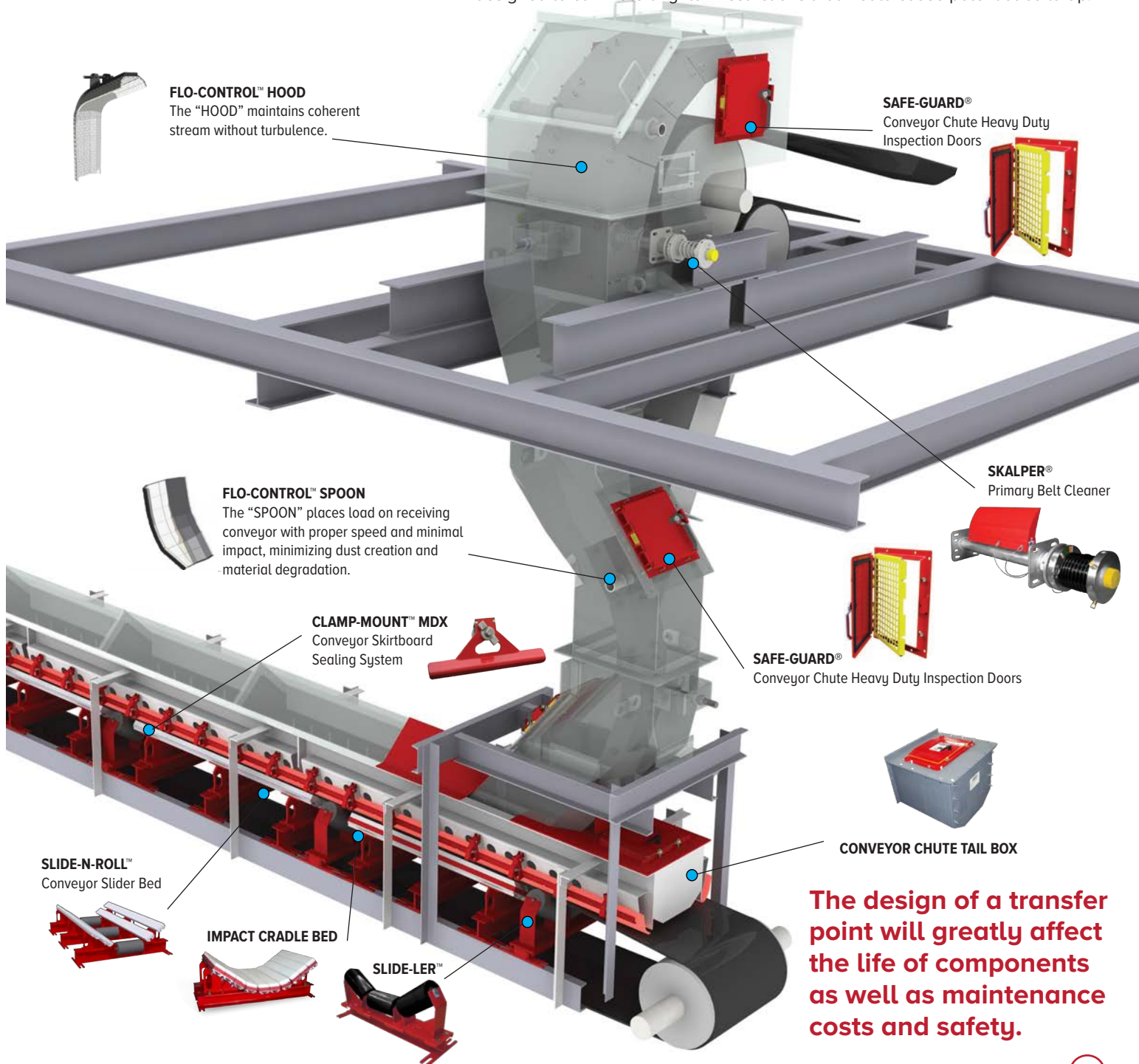
The performance of transfer chutes is an essential part of the productivity of conveyor belt systems in the bulk solids industry. Transfer point design, fabrication and installations utilizing ASGCO's 3-DEM™ (Discrete Element Methods) chute analysis program is a revolutionary way to handle granular and particulate material by streamlining the process from the head pulley until it is deposited onto the receiving conveyor for more deliberate control of the material. 3-DEM™ Transfer Point Design controls the dust by keeping the column of material together so that air does not become entrapped in the material flow, then forced back out carrying dust, when the material is loaded on the receiving belt.

FLO-CONTROL™ HOOD Design Technology

Adjustable material deflector (hood) lined with impact and abrasion resistant wear liners are easily maintained to direct and concentrate the material flow to the center of the chute.

FLO-CONTROL™ SPOON Design Technology

The adjustable impact and abrasion resistant lined "Spoon" bottom ensures that the material is 'soft-loaded' at approximately the same speed as the receiving conveyor, and is also properly center loaded on the conveyor, as well as designed to eliminate any flow restrictions that would cause potential build-up.



The design of a transfer point will greatly affect the life of components as well as maintenance costs and safety.

DUST CONTROL



EASY MAINTENANCE. REPLACEMENT. ADJUSTABILITY.

STOPS SPILLAGE AND DUST.

ASGCO®'s Skirt Sealing liners are designed to do one thing, and to do it well. They provide a highly reliable, positive seal in the conveyor load zone. Our conveyor skirtboard system further applies leading dust-and spillage-control technologies as standard features to help keep your operation clean, safe, and productive. ASGCO®'s skirtboards are available in standard sizes and lengths based on the width and speed of your conveyor belt.

Advantages

- Modular
- Easy to install and maintain
- Extended service life
- Quality Product
- Flexibility in Design
- On-time delivery

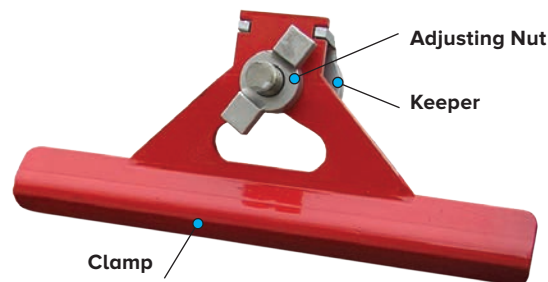
SKIRT & DUST CONTROL SEALING SYSTEMS

Clamp-Mount® MDX (Mine Duty)

Stops Spillage & Dust In Conveyor Transfer Point

Our skirting clamps help eliminate spillage and dust in the conveyor transfer point. The Clamp-Mount® MDX installs easily and allows for one person to replace or reposition skirt rubber.

- **Increase Conveyor Performance** – by helping to eliminate spillage and dust in the loading zone.
- **Reduce Downtime** – by the simple clamp adjustment and release to allow repositioning or changing out skirting in minutes versus hours, without tools.
- **Mine Duty Construction** – 18" (457.2mm) or 24" (609.6mm) heavy duty clamp system with keeper, fabricated from 3/8" (9.525mm) thick steel.
- **Easy Adjustment** – adjustment nut is cast stainless steel.



Keeper and Nut Feature:

The keeper and nut features a 1" Acme thread which can be adjusted by using a hammer or a wrench.

- **Will Automatically Adjust** – To any thickness from 1/4" to 1 1/4".
- **Mine Duty Style**
- **Available in Stainless**

Clamp-Mount® Skirt Sealing System

Help Eliminate Spillage With Clamp-Mount®

The Clamp-Mount® skirting clamps help eliminate spillage and dust in the conveyor transfer point. The Clamp-Mount® installs easily and allows for one person to replace or reposition skirt rubber.

- **Increase Conveyor Performance** – by helping to eliminate spillage and dust in the loading zone.
- **Reduce Downtime** – by the simple clamp adjustment and release to allow repositioning or changing out skirting in minutes versus hours, without tools, getting your conveyor system back on-line quickly.
- **Rugged Construction** – of our 9" (225mm) high by 24" (600mm) long clamp provide effective locking ability for any type of skirting material.

Contact ASGCO® for more information on our Low Boy™ Low Profile Clamp-Mount® System.

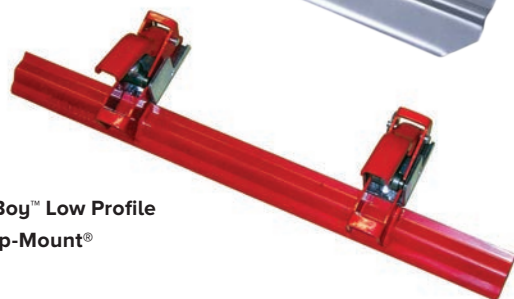
For quality sealing results, use Clamp-Mount® on a vertical chute wall with 1" ORG compound. For superior sealing, combine Clamp Mount® with ASGCO®'s Support Plate and either ORG (3/4" or 1/2" thick) or 6" or 8" Tri-Seal™ or Multi-Seal™.



Standard Double Clamp-Mount®



Stainless Steel Double Clamp-Mount®



Low Boy™ Low Profile Clamp-Mount®

Dura-Seal™ (ORG) Skirting

Dura-Seal Is The Toughest

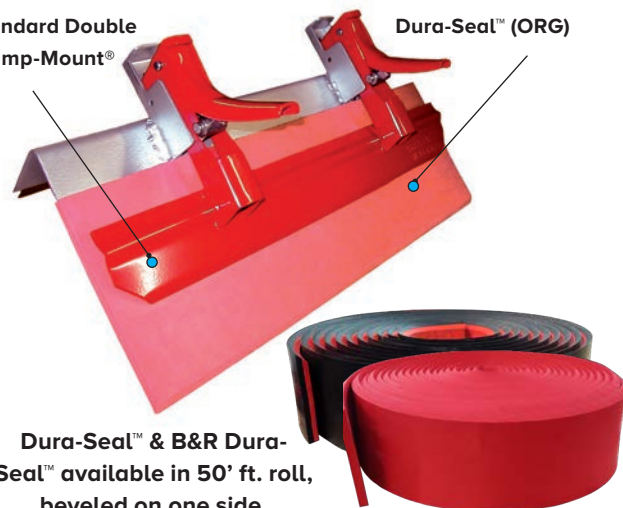
- **Abrasive and Cut Resistant** – Dura-Seal™ is the toughest and most cut resistant 45-durometer-rubber material available anywhere
- **Exceptional Sealing** – in abrasive and impact area conditions where cut and gauge is a problem in harsh environments.

B & R Dura-Seal™ (ORG 45) Skirting

Dura-Seal Is The Toughest

- **Dura-Seal™ (ORG 45)** – compound for optimum sealing and minimum wear on the belt.
- **Dura-Seal™ (60)** – compound for best wear and impact resistance
- **Exceptional Sealing** – in abrasive and impact area conditions where cut and gauge is a problem, as seen in hard rock mining.

Standard Double Clamp-Mount® Dura-Seal™ (ORG)

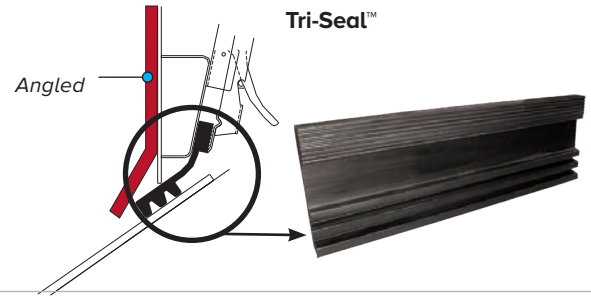


Dura-Seal™ & B&R Dura-Seal™ available in 50' ft. roll, beveled on one side.

Tri-Seal™ Skirting

Multiple Sealing Action Is Adjustable and Reversible

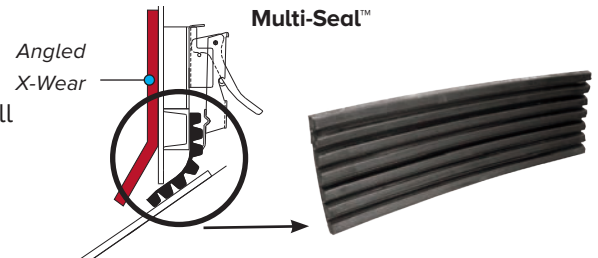
- **Triple Sealing** – action uses 3 deterrents to stop fines and dust from escaping the load zone.
- **MSHA Compliant** – on conveyors where dust is a problem, in below ground and above ground mining, pulp and paper.



Multi-Seal™ Skirting

Multiple Sealing Action Is Adjustable and Reversible

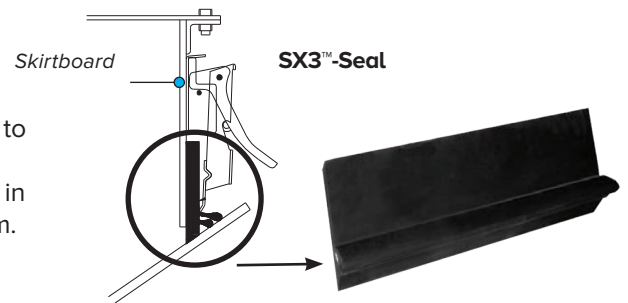
- **Multiple Sealing** – action is adjustable, and can be reversed for the full life of the skirting material.
- **Reduces Dust** – where you need flexibility and dust is a problem.



SX3™ Conveyor Skirtboard Sealing Compound

SX3™ Prevents Dust & Fine Spillage

- **Three Points Sealing** – uses uniquely designed 55 durometer EPDM to stop fines and dust from escaping the load zone.
- **MSHA Compliant** – on conveyors where dust and fines are an issue, in below ground and above ground mining, pulp and paper and gypsum.
- **Effective Sealing** – on high speed belts.



DURA-TUFF™ Urethane Multi-Seal Skirtboard Sealing Compound

Performs Great, Controls Dust Even Better!

ASGCO's Urethane Multi-Seal™'s multiple sealing action is adjustable and reversible for the full life of the conveyor skirting material.

- **Multiple Sealing** – action uses 3 deterrents to stop fines and dust from escaping the load zone.
- **Exceptional Sealing** – where you need flexibility and dust is a problem.
- **Superior Sealing** – combine Clamp-Mount® with Multi-Seal™
- **Color Option** – available in both red or white

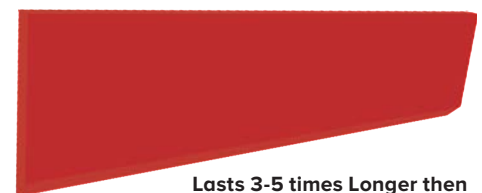


DURA-TUFF™ Urethane Conveyor Skirtboard Sealing

Extremely Tough

ASGCO®'s extremely tough conveyor skirtboard sealing is made of a 62 durometer polyurethane skirting that lasts an average of 3-5 times longer than rubber skirting equivalents.

- **Abrasive and Cut Resistant** – DURA-TUFF™ is the toughest and most cut resistant 62 durometer polyurethane material available anywhere.
- **MSHA Compliant** – on conveyors where dust is a problem, in below ground and above ground mining, pulp and paper.
- **Effective Sealing** – on high speed belts
- **Excellent for Hard Rock Mining** – such as granite, trap rock, iron ore, oil sands, and copper and gold ore mining conveying applications.
- **62 Durometer** – effective sealing on high speed belts



Lasts 3-5 times Longer than rubber skirting equivalents

- **Available** – in 50' rolls with a beveled edge that matches the troughing angle of your belt, eliminating the "break-in" adjustment and providing an even greater advantage.

SKIRT & DUST CONTROL SEALING SYSTEMS

Premium Skirtboard Rubber

This product is ideal for skirting conveyor belt systems, mounting pads, sealing strips and other general industrial and construction uses. Our Premium press cured skirtboard rubber manufacturing process Warrantys consistent gauge, width and quality unlike extruded products. All roll sizes are clearly marked for easy identification.



SBR Black Rubber
available in 50 ft. Rolls.

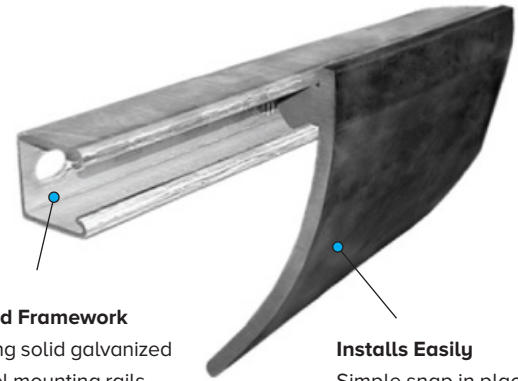


E-Z Mount®

Prevent Dust and Material Escaping the Conveyor Load Zone

This dust sealing and containment skirting system provides an effective and economical solution to prevent dust and material from escaping the conveyor load zone. E-Z Mount® is a simple snap in place skirting system that can be installed quickly and easily into most conveyors systems.

- **Simple and Effective** – solution to help eliminate dust and material losses in the load zone.
- **Abrasion Resistant** – 60 durometer rubber compound is used to apply minimal pressure to the belts surface to create a great seal.
- **Solid Framework** – using solid galvanized steel mounting rails that get welded to the side of the chute provides the framework to snap the E-Z Mount® into place.



Solid Framework

Using solid galvanized steel mounting rails

Installs Easily

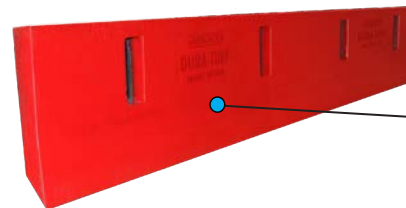
Simple snap in place skirting system can

DURA-TUFF™ Urethane Canoe Liners

Engineered to Seal and Improve Load Zones

ASGCO® DURA-TUFF™ Urethane Canoe Liners are engineered to absorb impact and abrasion in all types of material transfer operations. Made from our exclusive ASGCO® urethane compound with a durometer of 80/85, along with steel backing plate for extra added support. ASGCO® DURA-TUFF™ Urethane Canoe Liners are a key solution in decreasing downtime and increasing production due to spillage, while maintaining a safe working environment.

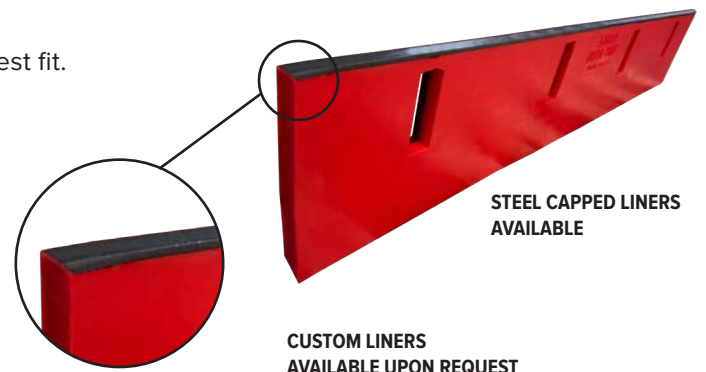
- Standard sizes available in 1", 2" and 3" thickness
- Available in our standard sizes 7"x48", 9"x48", and 12"x48"
- Custom sizes and squared edges available upon request
- For additional protection, Steel Capped Urethane Liners available
- Available in beveled edge or square edge
- Slotted holes on 12" centers for ease of adjustment
- Liners can be adjusted easily up or down to achieve the best fit.



DURA-TUFF™ LINER
Height can be adjust to fit your conveyor belt.



REINFORCED STEEL BACK PLATE
Provide added protection and rigidity.



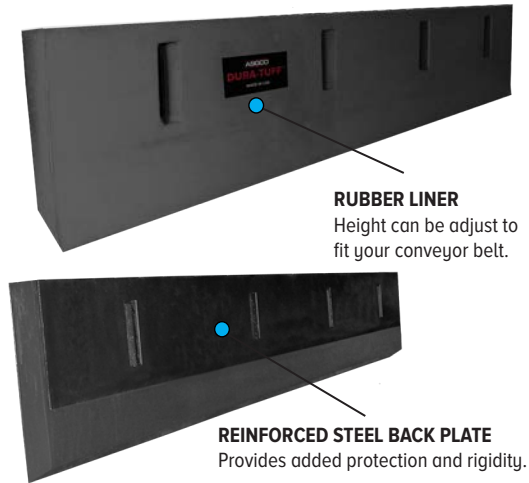
STEEL CAPPED LINERS AVAILABLE

CUSTOM LINERS AVAILABLE UPON REQUEST

DURA-TUFF™ Rubber Canoe Liners Engineered to Seal and Improve Load Zones

ASGCO® DURA-TUFF™ Rubber Canoe Liners are specifically designed to absorb impact and resist abrasion in various material transfer operations. Constructed from ASGCO®'s exclusive rubber compound with a durometer rating of 60/65, these liners are an essential part of reducing downtime and increasing production by minimizing spillage.

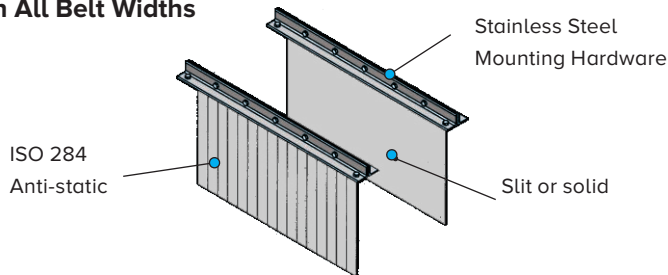
- Available in 1”
- Available in our standard size 9”x48”
- Custom sizes and squared edges available upon request
- Slotted holes on 12” centers for ease of adjustment
- Liners can be adjusted easily up or down to achieve the best fit.



Conveyor Dust Control Curtains Reduce Dust With Our Dust Control Curtains

This item helps in the reduction of dust throughout the transfer point. These curtains outlast and outperform standard rubber curtains due to the ISO materials used by ASGCO®.

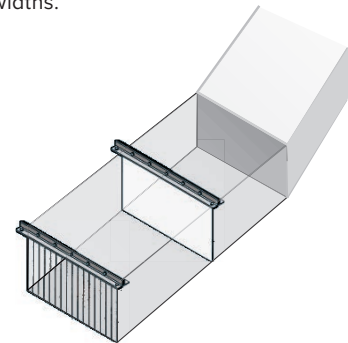
- **Allows Dust to Settle** – by slowing the air velocity down and allowing the airborne dust and particles to fall to the belt.
- **ISO 340 Anti-Static** – materials are used in the PVC and 2 ply fabricate constructed curtains.
- **Simple Adjustment** – and installation allows the curtains to conform to the angle of repose of the material on the belt, normally 1” (25.4mm) above the material.
- **Available in All Belt Widths**



ASGCO® Curtains should be hung approx. 18” apart, forming “dead” areas where dust can settle and be collected or suppressed. Available in all belt widths.



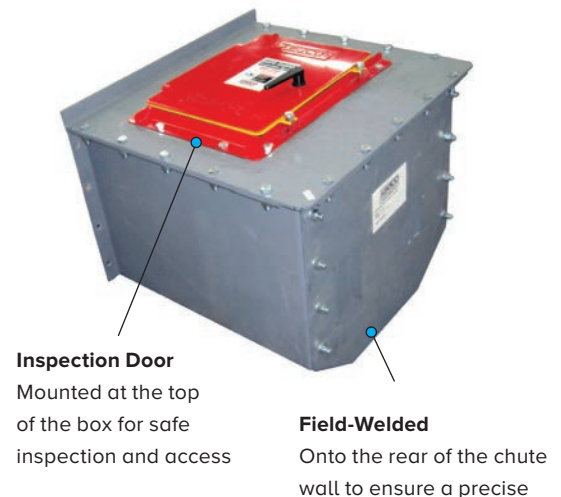
Slow The Air Movement And Control The Dust



Conveyor Chute Tail Box Chute Tail Box Prevents Material Rollback Within The Conveyor

This product is designed to form an effective seal at the back of the loading zone to prevent material rollback to the tail section of the conveyor.

- **Prevent Material Roll Back** – by forming a sealing area for the material to collect and then travel up the conveyor.
- **Avoids Material Build-Up** – at the tail end of the conveyor.
- **Simplifies Clean-Up** – by being able to return material to the belt through our inspection door mounted at the top of the box.



SAFETY



SAFETY IS KEY PROTECT WORKERS AND ENSURE A SAFE WORK PLACE.

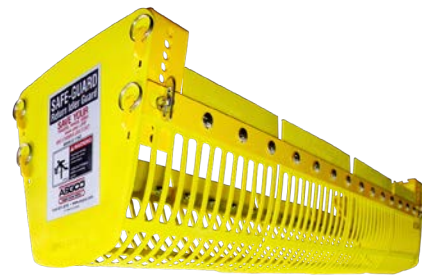
COMPLETE CONVEYOR SAFETY

ASGCO® offers a wide range safety equipment designed to prevent injuries from pinch points and contact with hazardous moving machine parts. Our Conveyor Safety equipment provides solutions for carry-back, spillage and dust control in load zone transfer points. Reduced carry-back and housekeeping are important to the safety, working conditions and reliability at any mine site. Our goal is to solve conveyor problems, always aware of OSHA/MSHA regulations in order to create a safer and well maintained work environment. Ensuring safety in the workplace has always been a priority at ASGCO® it is essential to protect workers from job-related injuries due to pinch points, abrasions and falling material.

Safe-Guard® Return Idler Guard

ASGCO® has long recognized the importance of ensuring safety in the workplace. The patented Safe-Guard® Return Idler Guard was designed to prevent injuries from pinch points and to catch the return idler if it should fall.

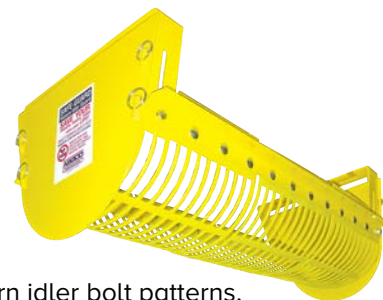
- **UV Resistant** - made from UHMW, will not corrode, or wear from abrasion.
- **Stainless Steel Pins** - gives easy access to drop and open the side of the cage for maintenance.
- **Mounting Hardware** - made from powder coated A-36 steel. Retrofits to most CEMA return idler bolt patterns.
- **Universal Mounting Brackets** - can be used with CEMA B, C, D and E idlers up to 7" in diameter with either 1 ½" to 6" drop brackets.
- **Durable UHMW Slotted Cage** - helps prevent material buildup and is easy to clean out. For easy access simply remove the stainless steel pins to drop open the side of the cage for maintenance.



Safe-Guard® Heavy Duty Return Idler Guard

ASGCO® The Safe-Guard® line has now expanded to work with CEMA E & F return idlers. This guard can be fully adjusted to fit idler and belt width up to 96".

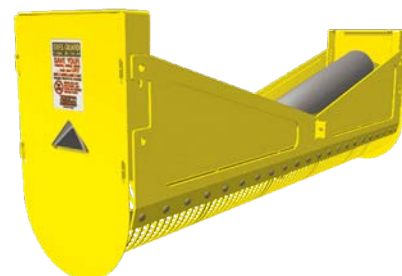
- **UV Resistant** - made from UHMW, will not corrode, or wear from abrasion.
- **Protection** - Cage provides complete pinch point protection and catches the roller if it breaks away from the brackets.
- **Mounting Hardware** - made from powder coated A-36 steel. Retrofits to most CEMA return idler bolt patterns.
- **Durable UHMW Slotted Cage** - helps prevent material buildup and is easy to clean out. For easy access simply remove the stainless steel pins to drop open the side of the cage for maintenance.



Safe-Guard® V-Return Idler Guard

The Safe-Guard® V-Return Idler Guard fits standard v-return idlers and protects workers and equipment from falling idlers and from dangerous pinch points between rotating idlers and moving belt.

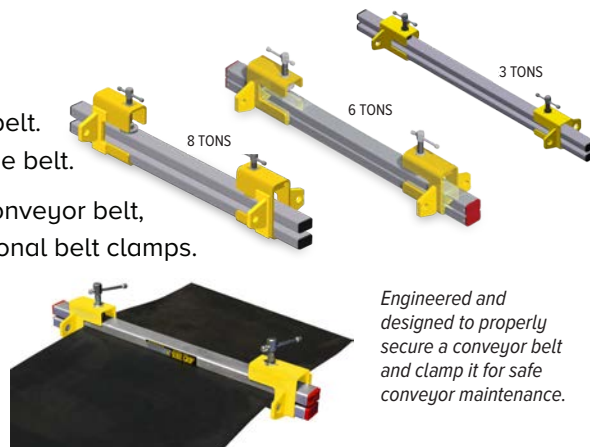
- **UV Resistant** - made from UHMW, will not corrode, or wear from abrasion.
- **Mounting Hardware** - made from powder coated A-36 steel. Retrofits to most CEMA return idler bolt patterns.
- **Durable UHMW Slotted Cage** - helps prevent material buildup and is easy to clean out. For easy access simply remove the stainless steel pins to drop open the side of the cage for maintenance. **Universal Mounting Brackets** - can be used with CEMA B, C, D and E idlers up to 7" in diameter with either 1 ½" to 6" drop brackets.
- **Heavy-Duty Steel Construction** - fully adjustable to fit idler and belt width up to 96".
- **Fits CEMA** - E & F return idler brackets.



Safe-Grip™ Conveyor Belt Clamps

The Safe-Grip™ Conveyor Belt Clamps are a patented positive tensioning system that applies even tension across the entire width of the conveyor belt. The center tightening system is key to applying correct, even tension to the belt.

- **Safe Design** - by applying even tension across the entire width of the conveyor belt, prevents the gripping bars from bowing in the center like other conventional belt clamps.
- **Versatile** - clamps and gripping bars can accommodate a variety of belt widths, thicknesses and working conditions.
- **Constructed** - from heat treated extruded aluminum, with horizontal traction grooves along the length of each extruded bar.
- **Available in** - BC3 (3 Tons), BC6 (6 Tons), and BC8 (8 Tons)

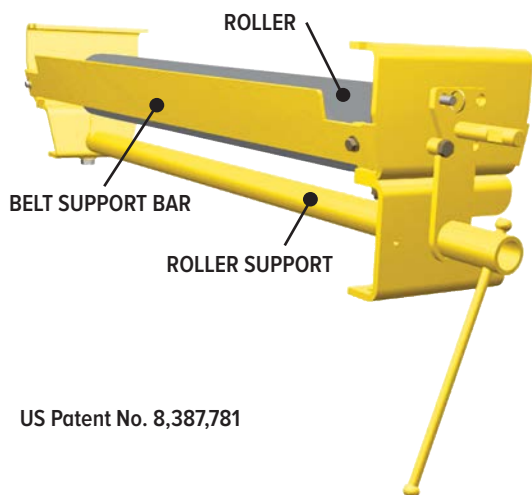


Engineered and designed to properly secure a conveyor belt and clamp it for safe conveyor maintenance.

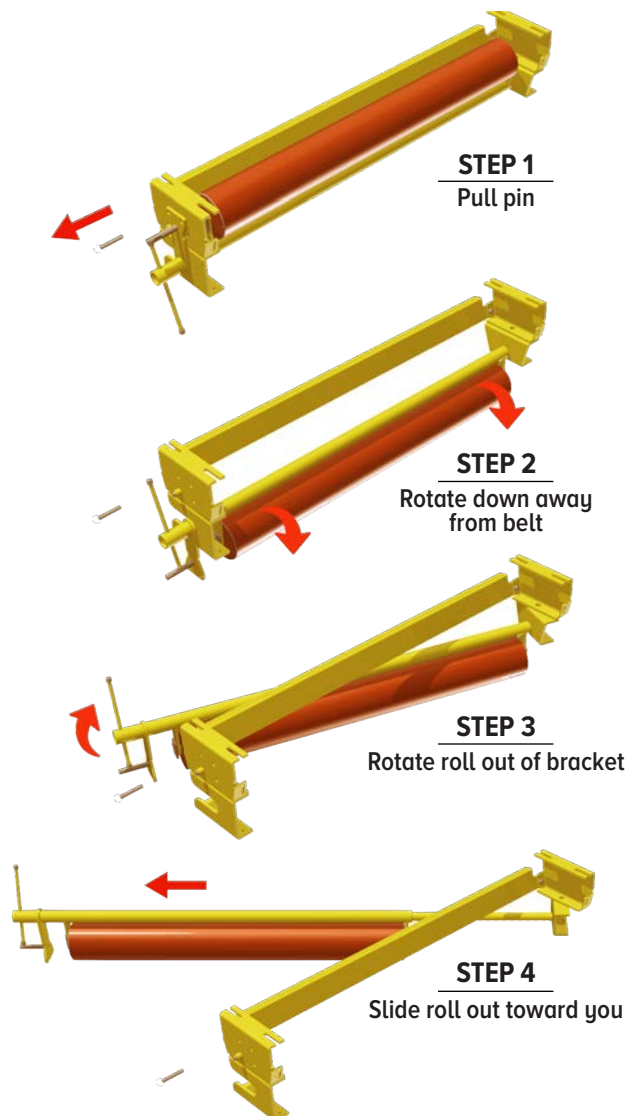
Safe-Guard® Return Roll Changer

The patent pending **Safe-Guard® Return Roll Changer** allows you to remove and replace a roller from a single side of the conveyor and/or from whichever side the catwalk is located.

- **Universal Mounting** - can be mounted on either side of the conveyor.
- **One Side Return Roller Access** - allows removal and replacement from a single side of a conveyor.
- **Pinch Point Protection** - to prevent injuries.
- **Reduces Maintenance Time** - for roller replacement.
- **Eliminates Need for High Lift Equipment.**
- **All Steel Construction** - industrial grade powder coated finish.
- **Can Be Customized** - to fit any manufacturer's roller.



US Patent No. 8,387,781



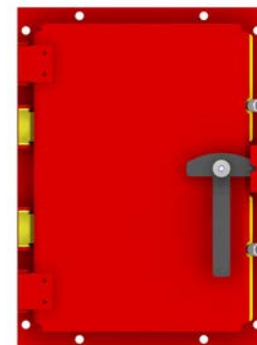
Safe-Guard® Chute Inspection Doors

Chute Inspection and Access Doors are a necessary part of any material handling system. Add an inspection door to your existing head chute for access to cleaners, for chute clean-out, and blade change-outs.

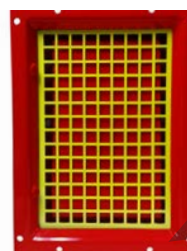
- **Low Profile Steel Construction** - available in powder coated or zinc plated.
- **Safety Inspection Screen Guard:** standard on every door for the ability to safely inspect equipment while it is running; complies with ANSI B.20.1 1984 and ISO 1819-02.1.11.
- **Re-designed Frame** - has a 45° flange to shed fines from accumulating on the interior of the door.
- **EPDM Dust Seal:** can withstand temperatures from -40° F to 200° F.
- **Options to Fit Conditions:** Materials to match conditions, including food-grade applications.
- **Quick and easy installation.**
- **Custom Sizes Available.**



Standard Conveyor Chute Inspection Door
12 Gauge .1046



Heavy Duty Conveyor Chute Inspection Door
11 Gauge .1196



Safe-Guard® Heavy Duty Door open with Screen Guard



45° flange on the interior of the door sheds fines that accumulate

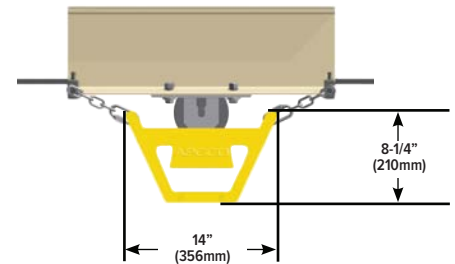
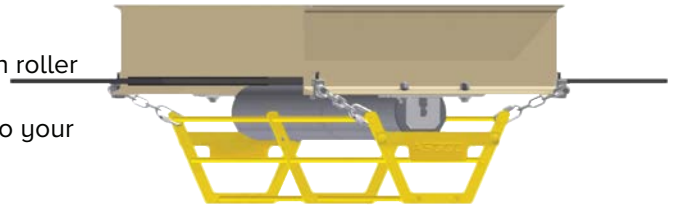
Safe-Guard® Return Idler Cage

The **Safe-Guard® Return Idler Cage** was designed to catch the return roller applications from falling, preventing injuries to workers. The Safe-Guard® Idler Cage is a cost effective, long lasting solution to your conveyor guarding needs.

- **Prevents Idlers from Falling** - and injuring workers or equipment.
- **Easy to Install and Remove** - for fast installation and belt maintenance using beam clamp, links and adjustable chain.
- **Durable Powder Coated A-36 Steel Cage** - with open slots prevent material build-up.
- **Available in Various Sizes** - will fit most belt conveyors, 4" - 7" diameter rolls.
- **No Welding Required.**

Complies with MSHA Title 30

- 56.14110 (Flying or falling material)
- 56.14112 (Guard Construction)
- 56.14107 (Moving machine parts)
- 75.1722 (Mechanical equipment guards)
- 77.400 (Mechanical equipment guards)



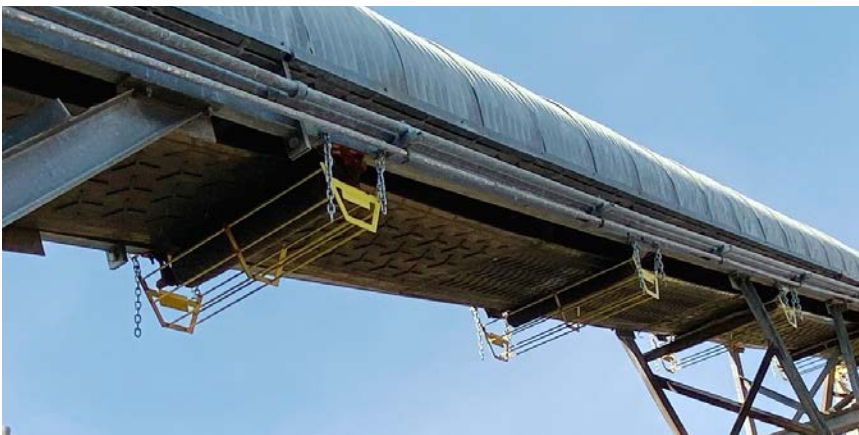
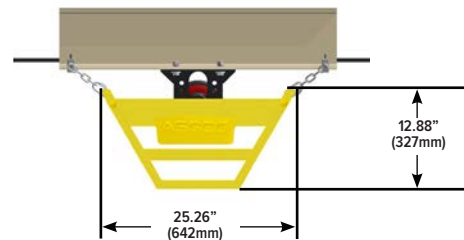
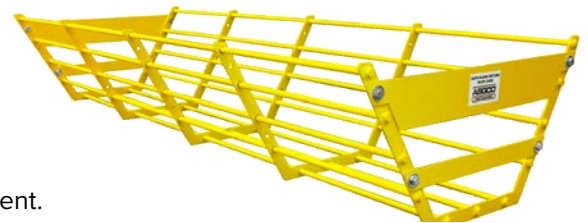
Safe-Guard® Return Tracker Idler Cage

The **Safe-Guard® Return Tracker Idler Cage** was designed to protect conventional tracking idlers throughout the market.

- **Wider Profile**- to accept various brands of belt tracking idlers.
- **Prevents Idlers from Falling** - and injuring workers or damaging equipment.
- **Easy to Install and Remove** - for fast installation and belt maintenance using beam clamp, links and adjustable chain.
- **Durable Powder Coated A-36 Steel Cage** - with open slots prevent material build-up.
- **No Welding Required.**

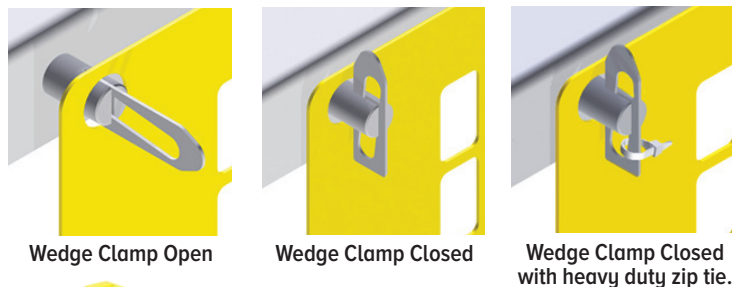
Complies with MSHA Title 30

- 56.14110 (Flying or falling material)
- 56.14112 (Guard Construction)
- 56.14107 (Moving machine parts)
- 75.1722 (Mechanical equipment guards)
- 77.400 (Mechanical equipment guards)



Safe-Guard® Modular Conveyor Flat Guard

The **Safe-Guard® Modular Conveyor Flat Guard** is a modular powder coated all steel guard that is typically mounted to the conveyor steel to guard against moving equipment and protect workers from injury. They are pre-engineered panels that install easily and prevent workers from unauthorized access and away from moving parts and equipment.



CUSTOM GUARDING BUILT TO YOUR SPECIFICATIONS

• Quick and Modular Set-Up

- Available in various standard and custom sizes.
- Drop pin / wedge clamps holds the guard securely.
- Shipped complete with mounting kit for quick assembly.
- Custom guards, floor posts and rail assemblies available

• Wedge Clamps

The Safe-Guard® Wedge Clamps allow for easy removal of panels. Use of a cable tie in the closed position meets MSHA and OSHA safety standards.

• Effective

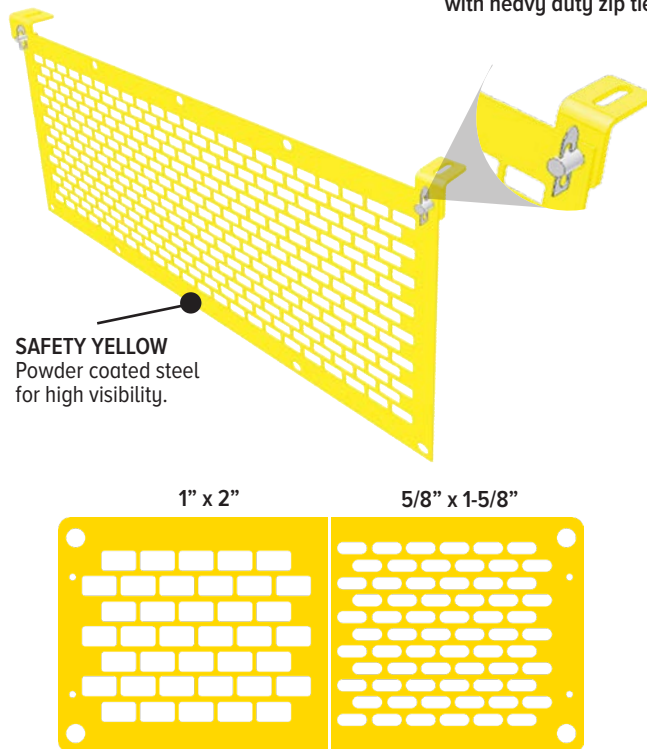
- Safety yellow powder coated steel for high visibility.
- Designed for use on multiple safety locations.
- Keeps workers away from moving parts and pinch points.

• Regulation

The installation of safety-oriented products can help create a safer plant that is easier to service and maintain.

• Compliant

- Meets MSHA and OSHA Safety Standards.

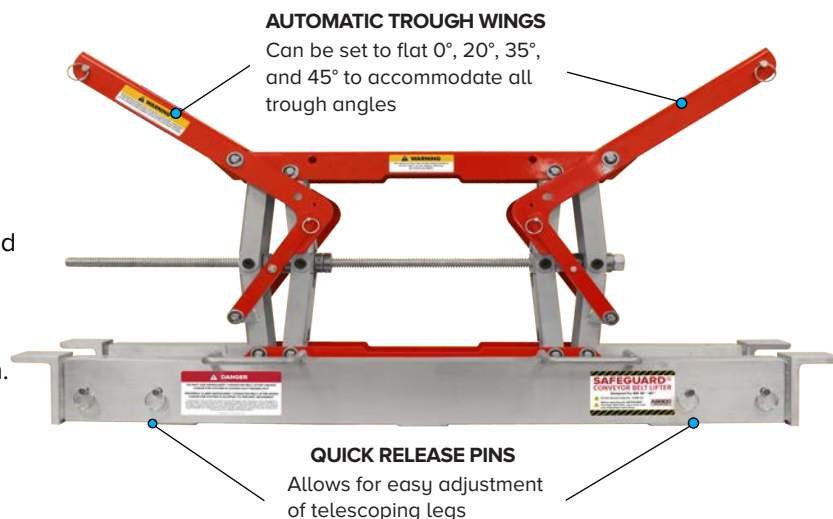


Safe-Guard® Conveyor Belt Lifter

Effortless Conveyor Maintenance

The **Safe-Guard® Conveyor Belt Lifter** is a patented tool developed to make lifting a tensioned conveyor belt easier. Conveyor maintenance is made safer and effortless with the ease and mobility of the lifter allowing for the lifting of all belt troughs, including flat belts.

- **Easy to use** - The **Safe-Guard® Conveyor Belt Lifter** can be easily operated with a manual ratchet or drill.
- **Works on a wide range of conveyors** - The Belt Lifter is for the belt widths 36" - 60" (900-1500 mm) or 48" - 72" (1200-1800 mm). Belt can either be lifted flat or in troughed position.
- **Safe** - Features a extendable sturdy dual-rail base and high lift capacities.
- **Easy operation** - Its compact and lightweight design ensures an easy to use operation.
- **Won't damage the belt** - Lift the belt from underneath.



Belt Width Range: 900 mm - 1500 mm / 36" - 60"
or 1200 mm - 1800 mm / 48" - 72"
Conveyor Span: MIN: 1130 mm (44.5") / MAX: 1892 mm (74.5")
MIN: 1435 mm (56.5") / MAX: 2197 mm (86.5")
Weight: 39.9kg / 88.0lb or 47.2kg / 104.0lb
Closed Height: 216 mm / 8.50"
Max Lift Height: 482 mm / 19.00"

CAN BE OPERATED FROM ONE SIDE OF THE CONVEYOR

WEAR SOLUTIONS



COST EFFECTIVE METHOD FOR EXTENDING WEAR LIFE

PROVIDE MAXIMUM IMPACT AND ABRASION PROTECTION

Minimize fugitive material, including dust, with quality skirting and wear liner products. ASGCO® manufactures a variety of conveyor wear liners with many options and sizes to choose from.

Abrasion resistant, modular, high-wear material to line belts, chutes and bin impact areas.

ASGCO's Wear Liners are designed to be an integral part of any bulk handling conveyor system.

WEAR SOLUTIONS

DURA-TUFF™ Urethane Canoe Liners Engineered to Seal and Improve Load Zones

ASGCO® DURA-TUFF™ Urethane Canoe Liners are engineered to absorb impact and abrasion in all types of material transfer operations. Made from our exclusive ASGCO® urethane compound with a durometer of 80/85, along with steel backing plate for extra added support. ASGCO® DURA-TUFF™ Urethane Canoe Liners are a key solution in decreasing downtime and increasing production due to spillage, while maintaining a safe working environment.

- Standard sizes available in 1", 2" and 3" thickness
- Available in our standard sizes 7"x48", 9"x48", and 12"x48"
- Custom sizes and squared edges available upon request
- For additional protection, Steel Capped Urethane Liners available
- Available in beveled edge or square edge
- Slotted holes on 12" centers for ease of adjustment
- Liners can be adjusted easily up or down to achieve the best fit.

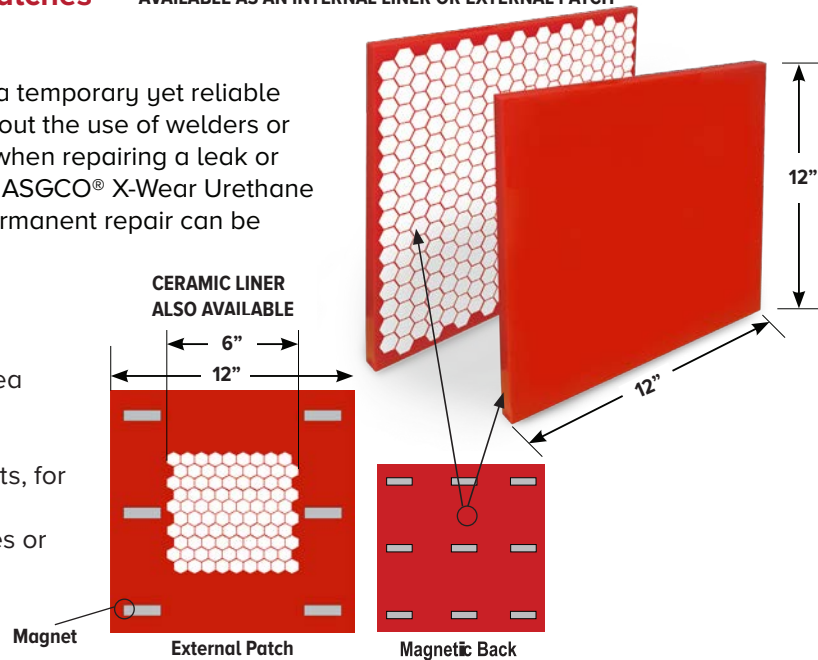


X-Wear™ Urethane Magnetic Wear Liners and Patches Wear-Resistant Protection

AVAILABLE AS AN INTERNAL LINER OR EXTERNAL PATCH

X-Wear™ Urethane Magnetic Liners and Patches provide a temporary yet reliable patch system that can be installed quickly and safely without the use of welders or bolt fastening systems. This allows for minimal downtime when repairing a leak or wear spot on chutes or load points. When time allows, the ASGCO® X-Wear Urethane Magnetic Patch™ can easily be removed so that a more permanent repair can be performed.

- Constructed with ASGCO-thane® Polyurethane
- Embedded high-strength rare earth magnets allow for installation using magnetic force alone
- No Bolting – No Welding – No Cutting to the applied area
- Eliminates the need for hot work permits in most areas
- Stays securely in place on vibrating screens and chutes
- Can be repositioned easily and safely, when time permits, for the repair to be done permanently
- Polyurethane can be field trimmed to fit unusual surfaces or conditions.
- Custom size available upon request



Custom Urethane Products Custom Engineered Urethane Solutions

ASGCO® provides Custom Engineered Urethane Solutions, offering a variety of options including custom shapes, sizes, thicknesses, and counter-sunk holes. Solutions can also be enhanced with ceramics, magnetic properties, or steel backing with studs.



Urethane Screen Feed Box Liners and Side Wear Liners

ASGCO® has expanded the use of their Cast Urethane products to include screen wear parts. All of our urethane wear products are cast from our exclusive ASGCO-thane™ polyurethane compound with a range of hardness from 70/95 durometer, along with a steel backing plate for extra added support.

- **Abrasion Resistant** – Cast urethane screen wear products are molded using our high-grade polyurethane compounds that last longer and offer superior abrasion, cut, and tear resistance when compared to rubber.
- **Higher Load-Bearing Capacity** – Better compression set, and superior tolerance to greases, oils, oxygen, and ozone.
- **Durable** – Urethane can be easily formulated to outlast rubber and stand up to sunlight and harsh outdoor environments.
- **Multiple Steel Options** – Fully boxed with steel, or only a steel back allows complete customization. Can be studded or plug welded.



Screen Feed Box Liners

Screen Feed Box Liners are patterned for a direct replacement of the current liner configuration being used, and can be altered depending on the wear characteristics for maximum wear life. Liners can have various sized and shaped ceramics inserted to increase the longevity of the liner in high abrasion applications.



Screen Side Wear Liners

Screen Side Wear Liners are boxed in with mild steel or hard plate to prevent premature edge wear or damage. Bolt patterns, sizes, and thicknesses are fully customizable to increase the wear life for your operation by our in-house engineers.



Urethane Classifier Shoes

Urethane Classifier Shoes feature our special wear-resistant urethane material at the outer edge of the shoe (the area that sees the most abrasion) to extend the wear life of the shoe. Longer shoe life means you experience less maintenance downtime and lower operating costs, resulting in higher productivity.

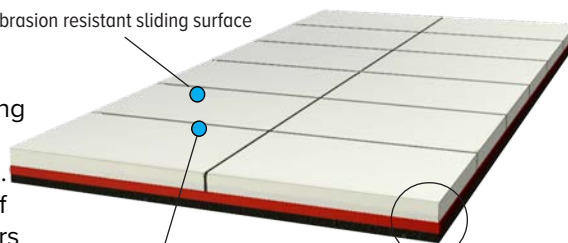


X-Wear™ Ceramic Wearplate Optimum Sliding For Bulk Material Handling

ASGCO X-Wear™ Ceramic Wearplate will substantially reduce your operating costs when compared to any other lining material. The smooth surface of the X-Wear™ provides an excellent sliding surface for bulk material handling. Forget other plastics that distort, buckle and wear out. The low coefficient of friction and durable surface of X-Wear™ Ceramic Wearplate will provide years of maintenance-free service.

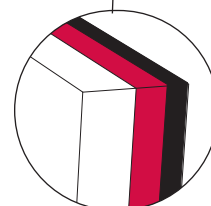
- **Material Flow** – The smooth surface of X-Wear™ Ceramic provides the optimum sliding surface for material handling.
- **Customizable Repairs** – The X-Wear™ Ceramic's strength makes it ideal for direct retrofitting of worn out chutes and hoppers without expensive repairs.
- **Noise Reduction** – X-Wear™ Ceramic's energy absorbing design drastically reduces noise.
- **1/4" Steel Backing** – suitable for stud welding or plug welding.
- **1/2", 3/4", 1" 1/2", and 2" thick ceramic available.**

SMOOTH SURFACE
X-Wear™ provides an excellent abrasion resistant sliding surface



IDEAL FOR RETROFITTING
of worn out chutes and hoppers

- Ceramic
- Impact Absorption Layer
- Steel Back Plate

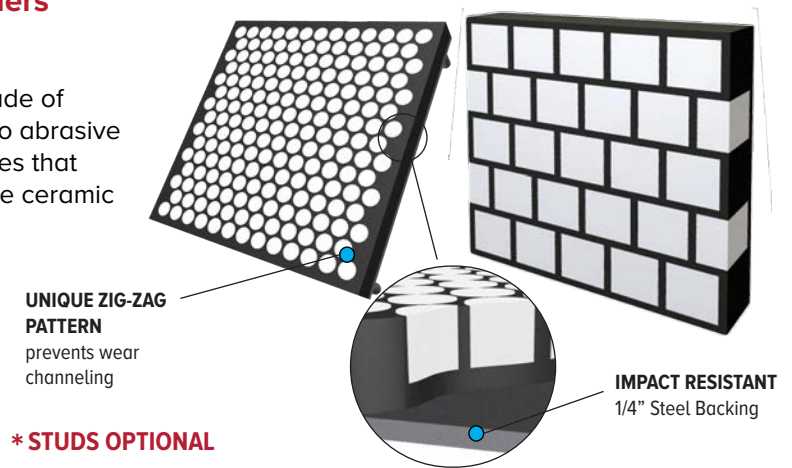


WEAR SOLUTIONS

X-Wear™ Mine Duty Ceramic Conveyor Wear Liners Extremely Hard Ceramics For Unsurpassed Resistance

ASGCO® X-Wear™ Mine Duty Ceramic Wear Liners are made of extremely hard ceramics that provide superior resistance to abrasive wear while the rubber effectively dampens the impact forces that can crack the ceramic. The rubber matrix that surrounds the ceramic is hot vulcanized for superior adhesion.

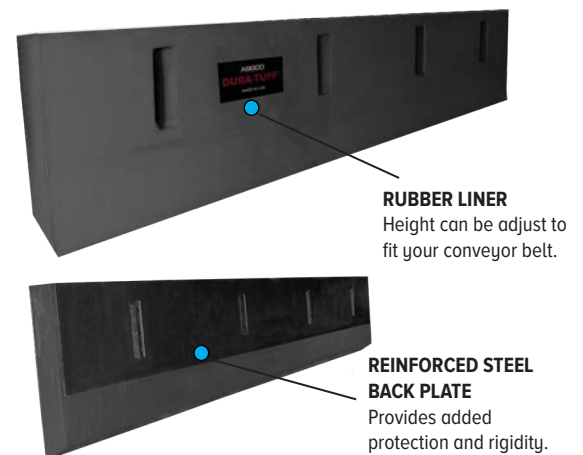
- Durable Hard Ceramic Wear Plate
- Easy To Install
- Reduces Noise
- Unsurpassed Resistance
- Impact Resistant
- Smooth Surface
- Longest Wear Life Available



DURA-TUFF™ Rubber Canoe Liners Engineered to Seal and Improve Load Zones

ASGCO® DURA-TUFF™ Rubber Canoe Liners are specifically designed to absorb impact and resist abrasion in various material transfer operations. Constructed from ASGCO®'s exclusive rubber compound with a durometer rating of 60/65, these liners are an essential part of reducing downtime and increasing production by minimizing spillage.

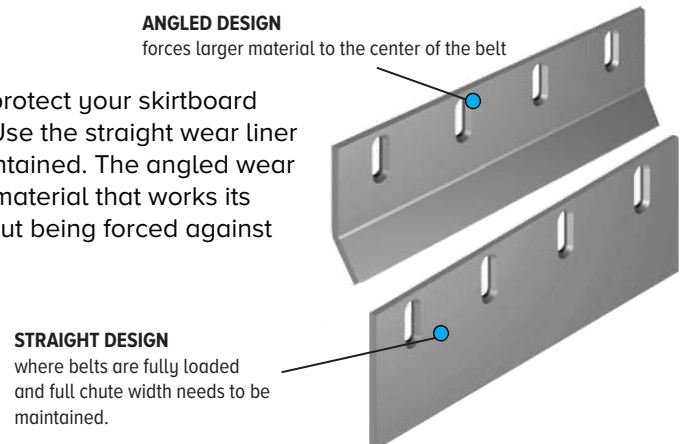
- Available in 1"
- Available in our standard size 9"x48"
- Custom sizes and squared edges available upon request
- Slotted holes on 12" centers for ease of adjustment
- Liners can be adjusted easily up or down to achieve the best fit.



AR™ 400 Hardox Steel Internal Skirtboard Liners Extend Life and Effectiveness of Sealing Compounds

ASGCO® AR™ 400 Hardox Steel Internal Conveyor Wear Liners protect your skirtboard and extend the life and effectiveness of your sealing compound. Use the straight wear liner where belts are fully loaded and full chute width needs to be maintained. The angled wear liner will force larger material to the center of the belt. Any small material that works its way under the deflector have a path to exit the skirting area without being forced against the sealing compound.

- **Lowest Cost Per Ton**
- **Easy Material Flow** with smooth laminar surface
- **Reduces downtime**
- **Corrosion resistant**
- **Easy Retrofit** for easy skirtwalls installation



Armorite® Skirtboard Conveyor Wear Liners Protecting Your Skirtboard Improves Wear Life

Armorite® Skirtboard Conveyor Wear Liners protect your skirtboard and provide a significantly longer wear life than other skirt liners. The skirt liner is produced from 7/8" thick Armorite® that is enhanced with a 5/16" thick mild steel producing a product that is 700 BHN with a high impact resistance. It can be used for all conveyors and transfers where the eradication of spillage or centralization of load is required.



Armorite® Smooth Conveyor Wear Plates

Cost Effective Method For Extending Wear Life

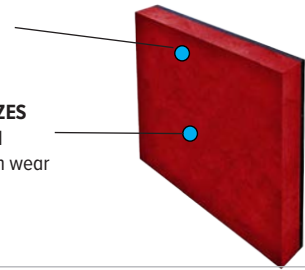
ASGCO® Armorite® Wear Plates present a very cost effective method of extending wear life within the conveyor system including; chutes, hoppers, bins, impact walls and screen plates. Armorite® Wear Plates provide extreme abrasion resistance across a range of industrial

1" ARMORITE®

White iron molded to a mild steel backing

CUSTOM LINER SIZES

Allows for localized replacement in high wear areas



Chromium Carbide Overlay (CCO) Wear Plate

Moderate Abrasion Resistant Wear Plate

ASGCO's® Chromium Carbide Overlay (CCO) Wear Plate is an extra hard clad plate with additives that give even higher abrasion resistance in high stress applications with moderate to low impact conditions.

- Cost effective solution when compared to traditional abrasion-resistant steels
- Recommended for resistance to wear by abrasion, fretting, cavitation, and particle erosion in high temperature applications (up to 1100°F).
- Ideal for mild to moderate impact abrasion resistance.
- The overlay surface of CCO plate will consist of a series of beads with numerous hairline cracks in them.
- The cracks propagate through the overlay and end at the fusion line.



Nitronic SX Stainless Steel Wear Plate

Nitronic SX Stainless Steel is a nitrogen-strengthened stainless steel developed for applications requiring corrosion resistance and durability. The high work-hardening rate of Nitronic SX Stainless Steel results in a high-strength material with superior abrasion resistance and elongation superior to Type 304L.

- **Custom designs** – to meet customer requirements.



Armorite® Conveyor Wear Buttons

Ideal For Smaller Areas Within The Conveyor System

Armorite® Wear Buttons are the perfect alternative to expensive, labor intensive hard facing or the need to cut wear strips from full sheets of wear plate. Ideal for smaller areas within the conveyor system requiring wear resistant material.



Armorite® Grizzly Screen Cap Conveyor Wear Bars

Ideal For Aggregates and Coal

Armorite® Grizzly Screen Caps and Conveyor Wear Bars will reduce wear and increase the life of a crusher. By removing fines upstream of the crusher as well as spreading bulk material so it is distributed over the width of the crusher, it wears evenly and the life is greatly extended.



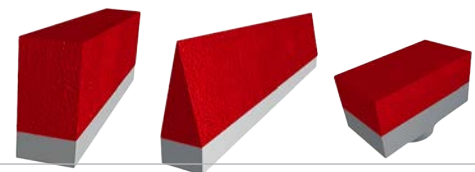
Armorite® Conveyor Wear Knife Edge & Shredder Tips

Specifically Designated For Sugar and Recycling Industries

Armorite® Knife Edges and Hammer/Shredder Tips is a 700BHN weld on or bolt on, specifically designed for the sugar and recycling industries.

KNIFE-EDGE BLUNT

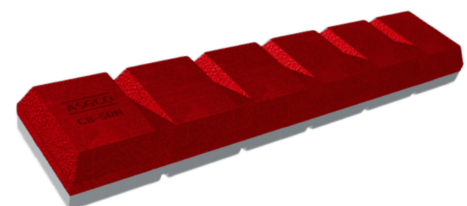
KNIFE-EDGE ARROWHEAD



Armorite® Chocky Bars

Great Alternative To Expensive and Hard Facing Welding Methods

Armorite® Chocky Bars offer protection on contoured surfaces within the conveyor system such as buckets, loaders, excavators and dragline machines, or chute linings and rock box edges.





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LONG-TERM SOLUTION TO CONVEYOR PULLEY WEAR AND SLIPPAGE PROBLEMS.

ELIMINATE SLIPPAGE AND INCREASES CONVEYOR BELT TRACTIONS.

ASGCO®'s arrowhead lagging products are precision molded and constructed of abrasion resistant ceramic to control slippage, ensuring that there is proper friction between the pulley and the conveyor belt. Increase belt traction with ASGCO®'s ceramic, drive and non-drive rubber arrowhead conveyor pulley lagging. We have pulley Lagging for all styles and types of head, tail, snub, bends, take-ups and drives.

Selection Criteria	Arrowhead® Ceramic	Semi-Ceramic™	Arrowhead Rubber	Arrowhead Smooth Rubber
Total Belt Thickness	1/2" (12.7 mm)	5/8" (15 mm)	1/2" (12 mm)	1/2" (12 mm)
Belt Width	18"-84" (450-2100mm)	18"-84" (450-2100	Any Width	Any Width
Min. Pulley Diameter	12" (300 mm)	mm)	8" (200 mm)	8" (200 mm)
Dry Friction	Excellent	10"(250 mm)	Very Good	Excellent
Wet Friction	Excellent	Excellent	Good	Average
Wet/Muddy Friction	Very Good	Excellent	Average	Average
Wear Life	Best	Very Good	Good	Good
Ease of installation	Good	Excellent	Good	Good
Drainage Grooves	Yes			
MSHAP/FRAS (Fire Resistant Anti-Static)	Available			
Rubber Compound	SBR			
Hardness (Shore A)	65+/3			
Ceramic Compound	Al ₂ O ₃	Al ₂ O ₃		
Ceramic Coverage	80%	39%		
Operating Temperature	-5°-185° F (15°-85° C)			

PULLEY LAGGING

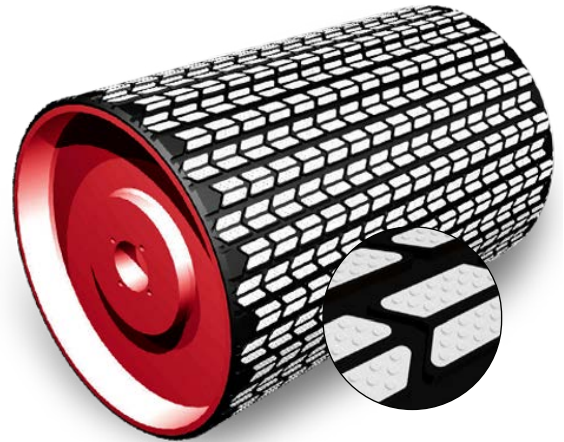
Arrowhead® Ceramic Conveyor Pulley Lagging

Corrects Belt Slippage And Premature Wear

Arrowhead® Ceramic Pulley Lagging provides the solution when conventional rubber lagging fails to correct a belt slippage problem and/or when rubber lagging wears prematurely. Our unique Arrowhead ceramic is designed for the highest drive factors unlike the conventional square tiles.

- **MSHA approved for mine use** – meets all requirements for flame-resistant solid products taken into mines. Acceptance Marking No. MSHA IC -174/2
- **Increase Productivity** – by delivering increased traction between the conveyor belt and pulley, allows for lower belt tension than with rubber lagging.
- **Improved Conveyor Belt Tracking** – due to the Arrowhead patterns self-cleaning ability, which reduces the material build-up and thereby eliminates the major source of conveyor belt misalignment.
- **Bonding Strength** – that is superior to others, due to 3mm of our neoprene compound vulcanized into the bottom-side of the lagging.
- **Superior Wear** – ability in abrasive or highly wet or dry applications as seen in below ground and above ground mining.
- **Easy Installation** – can be done in place, on the plant site, at your local distributor or at the pulley manufacturer. Each strip is 10” (250mm) wide x pulley face (see chart).
- **Tile** – fully enclosed by rubber with rounded corners to allow for better adhesion between the rubber and the tile.
- **Available** – in 5/8” and 1” thicknesses in both SBR and MSHA grade rubber compounds.

Precision Molded -
Abrasion Resistant



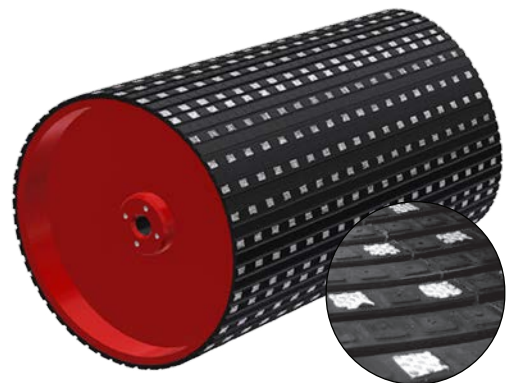
Abrasion Resistant - tiles
are fully encased by rubber

Semi-Ceramic™ Pulley Lagging

Corrects Belt Slippage And Premature Wear

Semi-Ceramic™ Pulley Lagging provides the solution when conventional rubber lagging fails to correct belt slippage and wears prematurely.

- **Ceramic Tile** – provides robust performance in dry, wet, or muddy applications.
- **High Grade** – aluminum oxide ceramic
- **Pre-Chemical Backing** – for ease in installation
- **Reduce Down Time** – on non drive pulleys, where pulley change-out due to excessive wear is difficult.
- **Increase Productivity** – by delivering increased traction between the conveyor belt and pulley, allowing for lower belt tension than with rubber lagging.
- **Bonding Strength** – that is superior to others, due to 3mm of our neoprene compound vulcanized into bottom-side of the lagging.



Arrowhead® Drive and Non-Drive Rubber Pulley Lagging

Arrowhead® Drive and Non-Drive Pulley Lagging is the solution, in an application where rubber is the answer, to help eliminate slippage, increase pulley life and to improve production.

- **MSHA approved for mine use** – meets all requirements for flame resistant solid products taken into mines. Acceptance Marking No. MSHA IC -174/2
- **Increase Productivity** – by delivering increased traction between the conveyor belt and pulley, and increasing pulley life and reducing buildup.
- **Improved Conveyor Belt Tracking** – due to the Arrowhead patterns self-cleaning ability, which reduces material carry-back build up and thereby eliminates the major source of misalignment.
- **Bonding Strength** – that is superior to others, due to 3mm of our neoprene compound vulcanized into bottom-side of the lagging.
- **Easy Installation** – can be done in place, on plant site, at your local distributor or at the pulley manufacturer. Each roll is ½” or ¾” thick x 10” wide by 21.3’ long or 300’ (90m).
- **Available** – in Drive and Non-Drive Rubber Pulley Lagging and Natural and MSHA Grade

Arrowhead® Drive Lagging



Smooth Lagging

Vul-Con® Pulley Lagging Tool Kit

The ASGCO® Pulley Lagging Tool Kit is specially designed and developed for rubber products users / manufacturers. Our tool kit has a wide variety of rubber working hand tools for repairing, maintenance, pulley lagging work etc.



SPECIAL FOR PULLEY LAGGING, BELT REPAIR AND SPLICING

INCLUDES:

- Grinder/with backing pad
- Oscillating tool
- Stitcher
- Rubber Mallet
- Utility knife
- Spare blades (5 pack)
- Safety glasses
- Cut resistant (5 pack)
- Nitrile gloves (5 pack)
- Bench brush
- Chalk line
- Metal square
- Chip brushes 3pk
- Pincher
- File
- Stripper Clamp
- Tool Box
- Tape measure
- Refillable china marker
- 24 grit extra coarse disc



VULCON



WORLD-CLASS VULCANIZING PRESSES, MECHANICAL FASTENERS, & TOOLS FOR ALL TYPES OF HEAVYWEIGHT

SECTIONAL AND 2-PIECE VULCANIZING PRESSES

ASGCO®'s VUL-CON® Vulcanizing Presses are lightweight, durable and versatile with complete availability of coverage for all splice lengths, fabric ply or steel cord. Our conveyor belt splicing presses are easy to set-up, operate and to maintain. VUL-CON® Vulcanizing Presses are made of high grade aluminum platens and beams to provide maximum tensile and bending strength with minimum weight. All VUL-CON® Vulcanizing Presses provide uniform temperature and pressure required to vulcanize a wide array of conveyor belts.

PARTNERS WITH



VUL-CON® Sectional Vulcanizing Presses

Easy to set-up and operate

ASGCO®'s VUL-CON® Vulcanizing Presses are lightweight, durable and versatile with complete availability of coverage for all splice lengths, fabric ply or steel cord. Our VUL-CON® presses are easy to set-up and operate and easy to maintain. VUL-CON® Vulcanizing Presses are made of high grade aluminum platens and beams to provide maximum tensile and bending strength with minimum weight. All VUL-CON® Vulcanizing Presses provide uniform temperature and pressure required to vulcanize a wide array of conveyor belts.

- Cross beam pressure system
- Robust heating platens with water cooling
- High tensile steel pressure bolts and nuts
- Rubber pressure bag with Aramid reinforcement
- Lightweight portable design
- Fast heat up and cooling down
- Durable for use in harshest of environments
- Tie bolt retaining pins for high level of safety
- Uniform belt/temperature pressure
- Presses can be joined for longer splice length
- 1 Year Warranty



PARTNERS WITH



VUL-CON® TRAVERSE BARS AVAILABLE SIZES								
TRAVERSE BAR	A		B		C		D	
	in	mm	in	mm	in	mm	in	mm
H200	22	559	10	248	8	197	7	178
H700	28	699	13	318	11	267	7	178

VUL-CON® Control Box

Electronic Temperature Control System

The new VUL-CON® Switchgear Box is the most advanced control system in the world. Incorporating controls for 2 platens. Splice data can be stored and recalled through the built-in data logger.

- Electric connection as per CEE standards
- Exact temperature reading in each heating plate via thermo sensor PT 100
- Electronic controller with digital display of set point and actual temperatures
- Quick and simple programming of the electronic temperature control
- In case of electronic control failure, manual operation is possible
- The controller tolerance is only about 1% of the set value
- Timer
- Differential monitoring of the individual heating circuits
- Optional: AC power outlet 230 V at 400 V, 50 Hz, 3 Phase+N+PE



DIGITAL DISPLAY



PLATEN CORD – Connects to the temperature controller and VUL-CON® Press

VUL-CON® EZ Series Vulcanizing Presses

Easy to set-up and operate

ASGCO®'s VUL-CON® EZ100 and EZ100 XL Vulcanizing Presses are two-piece welded aluminum framed construction, light weight, durable and versatile. Our presses are easy to set-up and operate and easy to maintain. VUL-CON® EZ Series Vulcanizing Presses are made of high grade steel and aluminum to provide maximum tensile and bending strength with minimum weight. All VUL-CON® EZ Series Vulcanizing Presses provide uniform temperature and pressure required to vulcanize a wide array of conveyor belts.

- Two-piece aluminium construction for quick assembly and disassembly
- Design rhombic 22° / 90°
- Heating platen with silicone heating element
- Extremely short heating and cooling time
- Heating platen equipped for air or water cooling
- Adjustable temperature from 100 - 175°C
- Specific pressure: 70N/cm² (100psi)
- Simple and fast pressure build-up by compressed air
- Integrated air control unit with pressure gauge and safety valve
- Aramid-reinforced pressure bag
- Sturdy, easy-to-use electrical control box (extern)
- Electronic temperature control with digital display for set and actual temperature monitoring of both heating platen
- For longer joint lengths, several press sections can be arranged side by side
- Voltage: 230V / 400V / 480V, 50/60Hz, 3Ph+N+PE (other voltages on request)
- Belt Widths 24-60 inches

PARTNERS WITH
WAGENER
VULCANIZERS



VUL-CON® EZ100



VUL-CON® EZ100 XL

VUL-CON® EZ Series Embedded Control Box Features & Benefits

- Exact temperature reading in each heating plate via thermo-sensor PT 100
- Quick and simple programming of the electronic temperature control
- Differential monitoring of the individual heating circuits
- Vulcanizing max temperature 338°F (170°C)

VUL-CON® EZ-100 Vulcanizing Press

PART NUMBER	BELT WIDTH	ANGLE / BIAS	HEATED LENGHT	HEATED WIDTH	HEATED WD BIAS	HEIGHT TOP	HEIGHT BOTTOM	POWER	WEIGHT TOP	WEIGHT BOTTOM
ASG-EZ100-21X32	26"-650mm	22°	21 1/4"-540mm	29 1/2"-750mm	32"-810mm	7"-177mm	8"-202mm	480v-3PH	139lbs-63kg	176lbs-80kg
ASG-EZ100-21X38	32"-800mm	22°	21 1/4"-540mm	35 1/2"-900mm	38"-970mm	7"-177mm	8"-202mm	480v-3PH	156lbs-71kg	194lbs-88kg
ASG-EZ100-21X42	36"-900mm	22°	21 1/4"-540mm	39"-1000mm	42"-1078mm	7"-177mm	8"-202mm	480v-3PH	167lbs-76kg	205lbs-93kg
ASG-EZ100-21X49	42"-1050mm	22°	21 1/4"-540mm	45"-1150mm	49"-1240mm	7 1/2"-194mm	8 1/2"-219mm	480v-3PH	207lbs-94kg	246lbs-112kg
ASG-EZ100-21X55	48"-1200mm	22°	21 1/4"-540mm	51"-1300mm	55"-1400mm	7 1/2"-194mm	8 1/2"-219mm	480v-3PH	238lbs-108kg	277lbs-126kg
ASG-EZ100-21X63	55"-1400mm	22°	21 1/4"-540mm	59"-1500mm	63"-1618mm	9"-224mm	10"-249mm	480v-3PH	286lbs-130kg	326lbs-148kg
ASG-EZ100-21x72	63"-160mm	22°	21 1/4"-540mm	67"-1700mm	72"-1830mm	10"-254mm	11"-279mm	480v-3PH	341lbs-155kg	374lbs-170kg

VUL-CON® EZ-100-XL Vulcanizing Press

PART NUMBER	BELT WIDTH	ANGLE / BIAS	HEATED LENGHT	HEATED WIDTH	HEATED WD BIAS	HEIGHT TOP	HEIGHT BOTTOM	POWER	WEIGHT TOP	WEIGHT BOTTOM
ASG-VC-EZ100XL-3242	36"(900mm)	22°	32"(810mm)	39" - 1000mm	42 1/2" - 1080mm	8 1/4" (209mm)	9" (227mm)	480v-3PH	264lbs - 120kg	317lbs - 144kg
ASG-VC-EZ100XL-3249	42"(1050mm)	22°	32"(810mm)	45" - 1150mm	49" - 1240mm	8 1/4" (209mm)	9" (227mm)	480v-3PH	298lbs - 135kg	353lbs - 160kg
ASG-VC-EZ100XL-3255	48"(1200mm)	22°	32"(810mm)	51" - 1300mm	55" - 1400mm	8 3/4" (224mm)	9 1/4" (232mm)	480v-3PH	341lbs - 155kg	396lbs - 180kg
ASG-VC-EZ100XL-3263	55"(1400mm)	22°	32"(810mm)	59" - 1500mm	63" - 1618mm	9 1/2" (239mm)	9 3/4" (247mm)	480v-3PH	407lbs - 185kg	456lbs - 207kg
ASG-VC-EZ100XL-3272	63"(1600mm)	22°	32"(810mm)	67" - 1700mm	72" - 1830mm	10 1/2" (269mm)	11" (277mm)	480v-3PH	520lbs - 236kg	560lbs - 254kg

Spare Parts for VUL-CON® Vulcanizing Presses

ASGCO® suggests keeping spare parts readily available to minimize the risk of downtime.

ASGCO's offers comprehensive spare parts for our Vulcanizing Presses to ensure replacement parts are available in emergency situations. Whether it's supplying replacement parts or providing turnkey press line installations, our dedicated team of parts and service professionals is available to assist you.



Heating Element – Silicone Rubber heaters with wire-wound elements provide excellent physical strength capable of withstanding repeated flexing without compromising the life and performance of the heater.



Heating Elements

Platen Set – contours to belt irregularities, ensuring uniform distribution of pressure due to surface pressure system. Recessed power connections are sealed for moisture resistance. Maximum Temperature 350°F (180°C). Platens are available, either in the rhombic or rectangular design.



Platen Set

Pressure Bag - Air or Fluid – with aramid reinforcement distributes uniform pressure and is available in 22° bias and can be custom made upon request.



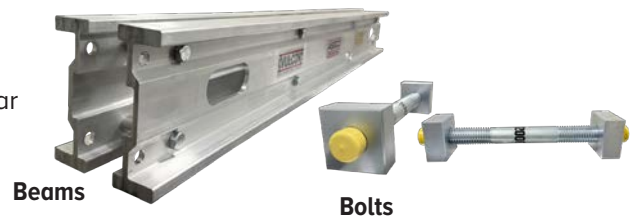
Pressure Bag - Air or Fluid

Platen Cables – Connects to the temperature controller and vulcanizing platens.



Platen Cables

Beam Restraining System – Recessed high tensile steel nut/bolt assemblies connect H-bars for a steadfast, reduced profile. Each press includes the VUL-CON® restraining system as a secondary H-bar lock for increased operator safety.



Beams

Bolts

Control Box – The VUL-CON® Switchgear Box is the most advanced control system in the world. Incorporating controls for 2 platens. Splice data can be stored and recalled through the built-in data logger.













Control Box

VUL-CON® EDGE IRONS

Precision Edge Ironing, All in One Compact Set

The **VUL-CON® EDGE IRONS** offers a convenient, color-coded collection designed to meet a variety of edge ironing requirements in one compact package.

- Set includes 5 pairs of bars (10 bars total), each measuring (3") 76 mm in width and (48") 1220 mm in length.
- Color-coded for easy identification of size
- Made from aluminum or steel

COLOR-CODED BAR SIZE GUIDE		
3/8"		
1/4"		
3/16"		
1/8"		
1/16"		

This comprehensive bar set covers gauge sizes in 1.6 mm (1/16") increments up to 25.4 mm (1") in total, providing versatility for a wide range of splicing applications.



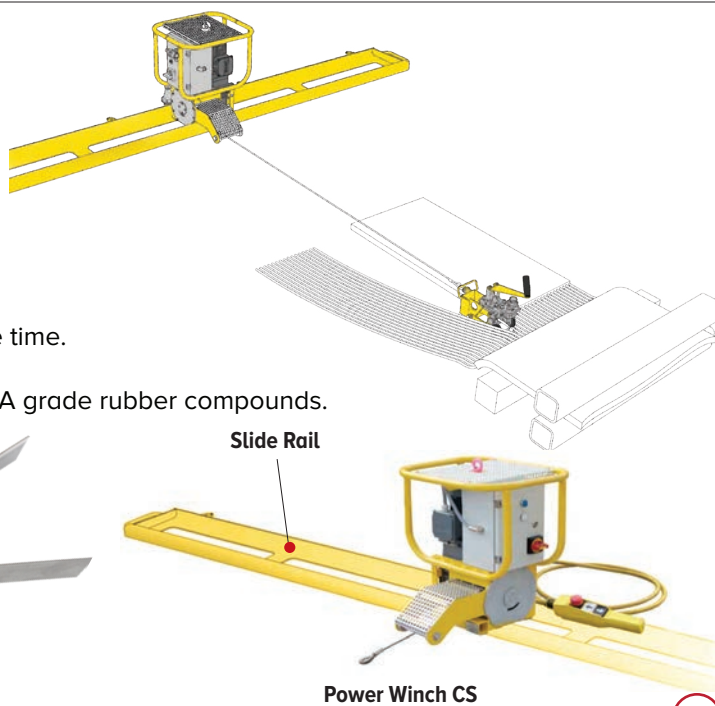
VUL-CON® EDGE IRONS – MULTI-USE OPTIONS																	
BELT THICKNESS		EDGE IRON THICKNESS				COMBINATION OF IRONS USED											
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		
1/8	3.175	1/16	1.587	1/16	1.587												
3/16	4.762	1/8	3.175	1/8	3.175												
1/4	6.350	3/16	4.762	3/16	4.762												
5/16	7.937	1/4	6.350	1/4	6.350												
3/8	9.525	5/16	7.937	1/4	6.350	&	1/16	1.587									
7/16	11.112	3/8	9.525	3/8	9.525												
1/2	12.7	7/16	11.112	3/8	9.525	&	1/16	1.587									
9/16	14.288	1/2	12.7	3/8	9.525	&	1/8	3.175									
5/8	15.875	9/16	14.288	3/8	9.525	&	3/16	4.762									
11/16	17.462	5/8	15.875	3/8	9.525	&	1/4	6.350									
3/4	19.05	11/16	17.462	3/8	9.525	&	1/4	6.350	&	1/16	1.587						
13/16	20.637	3/4	19.05	3/8	9.525	&	1/4	6.350	&	1/8	3.175						
7/8	22.225	13/16	20.637	3/8	9.525	&	1/4	6.350	&	3/16	4.762						
15/16	23.812	7/8	22.225	3/8	9.525	&	1/4	6.350	&	3/16	4.762	&	1/16	1.587			
1	25.4	15/16	23.812	3/8	9.525	&	1/4	6.350	&	3/16	4.762	&	1/8	3.175			
1-1/16	26.987	1	25.4	3/8	9.525	&	1/4	6.350	&	3/16	4.762	&	1/8	3.175	&	1/16	1.587

Steel Cord Conveyor Belt Stripper System

Belt splicing and repairing steel cord conveyor belts quicker and more efficiently.

The Steel Cord Stripper is an indispensable accessory to strip and separate the steel cables of conveyor belts.

- Reduced time for steel cord belt stripping
- Simple to operate and easy to transport and store
- Easy replacement of blades
- Strips large area decreases labor intensity and reduces the time.
- Lightweight and easy to carry.
- Available – in 5/8" and 1" thicknesses in both SBR and MSHA grade rubber compounds.



Grizzly™ Screw-Splice

Innovative Solution for fast conveyor belt splicing.

The Grizzly™ Screw-Splice conveyor belt splicing and fastening system delivers power, strength, and flexibility in every application. It is the perfect fastener to save you time and money while allowing a quick, accurate, and easy installation.

ASGCO®'s Grizzly™ Screw-Splice outperforms competitor's products by offering more tensile strength and durability.

- **Quick installation**
- **No expensive equipment required**
- **No drilling and no template**
- **Wear and cut resistant**
- **High tensile strength**
- **Strong & Flexible** – higher PIW combined with smaller pulley diameter requirements than other fasteners
- **High-heat belt up to 400°F (204°C)**
- **Compatible with conveyor belt scrapers**
- **Leak-proof** – no hinge pin to allow material sifting
- **Low temp to -20°F (-28°C)**
- **Available per inch or in complete roll length**



AVAILABLE PER INCH OR IN COMPLETE ROLL LENGTH



AVAILABLE RUBBER COMPOUND TYPES

AR - Abrasion Resistant	HTR - High Temperature	LT - Low Temperature
BB - Bare Back	SS - Stainless Steel	MOR - Moderate Oil Resistant
		SW - Straight-Warp

DURATUFF™ Grizzly™ Screw-Splice

Premium Urethane Top Cover for Lasting Performance.

The DURATUFF™ Grizzly™ Screw-Splice adds a premium urethane top cover to ASGCO®'s proven Grizzly™ fastening system, delivering industry-leading abrasion resistance and impact absorption in the toughest screening environments. Engineered for power, strength, and flexibility, its innovative screw-together design enables fast, accurate installations without special tools or adhesives—saving you time and money. Outperforming competitor products, the DURATUFF™ Grizzly™ Screw-Splice provides superior tensile strength, durability, and uptime for your conveyor belts.

- **Quick installation**
- **No expensive equipment required**
- **No drilling and no template**
- **Wear and cut resistant**
- **High tensile strength**
- **Strong & Flexible** – higher PIW combined with smaller pulley diameter requirements than other fasteners
- **High-heat belt up to 400°F (204°C)**
- **Compatible with conveyor belt scrapers**
- **Leak-proof** – no hinge pin to allow material sifting
- **Low temp to -20°F (-28°C)**
- **Available per inch or in complete roll length**

URETHANE TOP COVER



AVAILABLE PER INCH



AVAILABLE RUBBER COMPOUND TYPE

AR - Abrasion Resistant

Grizzly™ Hinged Screw-Splice
Strength, Speed, and Reliability in Every Connection.



Designed for tough material-holding applications, the **ASGCO Grizzly™ Hinged Screw-Splice** system offers durability, quick installation, and lasting performance where small-diameter pulleys are utilized. It's simple to remove hinge pin, allows for simple and easy adjustment.

The innovative screw fastening design allows for a tight, vibration-resistant hold, making it ideal for heavy-duty industries where efficiency and strength matter most — commonly used in aggregate, coal, recycling, and biomass industries.

- **Designed for Smaller Pulleys** – Ensures smooth belt operation without compromising durability.
- **Easy Installation** – Can be installed quickly using basic hand or power tools, eliminating the need for specialized equipment.
- **Enhanced Strength & Pull-Out Resistance** – Unique screw design penetrates deep into the belt carcass for superior grip without damaging belt fibers, preserving belt integrity, and extending service life.
- **Minimized Downtime & Increased Efficiency** – Quick adjustments and simple installation reduce maintenance time, keeping operations running smoothly.
- **Available in multiple strengths and belt widths to fit specific applications.**



ASGCO® Conveyor Belt Skiver
Engineered for Conveyor Belt Skiving Accuracy

The battery operated ASGCO® Conveyor Belt Skiver is specially designed to help ensure quick, safe and accurate top cover removal at various depths for installation of recessed splices. Properly skive your conveyor belt for better mechanical fastener holding.

- Portable and lightweight – complete kit in a sturdy zippered canvas bag
- Battery Operated 18 volts – designed for a lifelong battery operation
- Accurate – top cover removal/recessing for mechanical fastener installation
- 2-blade cutter head – dual edge tungsten carbide blades for added performance and smooth finish



ASGCO® Magnum® Rubber Cutter
Cordless Precision Rubber Cutter

The ASGCO® Magnum® Rubber Cutter offers precision cutting for finger splices as well as the heavy-duty torque required to cut through multiply belts up to 2” (51 mm) thick. Excellent for slitting and finger cutting, this tool is capable of cutting all fabric plied rubber belting and sheeting.

- Guard may be positioned by the operator’s thumb during operation, and returns to closed position upon release
- Lightweight aircraft grade aluminum construction with machined parts
- Bearing wheels and ribbing on the frame for ease of glide
- Sharpen-able, replaceable, hardened 9” (229mm) D2 material blade
- Unit can be reversed in a binding situation
- Carrying case will fit the Magnum Rubber Cutter, spare blade, spare battery and charger
- Replacement blades are available



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INNOVATIVE SOLUTION FOR FAST CONVEYOR BELT SPLICING.



HOT AND COLD SPLICING MATERIALS

ASGCO offers a complete line of conveyor belt splicing materials whether you are performing a hot repair, a hot vulcanized splice, or a cold bond splice on a belt. We stock the materials you need, hot vulcanizing cement, uncured rubber tie gum, uncured cover material, release paper, breaker fabric, cleaning solvent, and cold bond adhesives. Our splice materials Warranty excellent adhesion and performance, providing the conveyor belt splice technicians with very reliable and readily available “complete splicing solutions”.

VUL-CON® FABRIC BELT COVER STOCK

VUL-CON® Fabric Belt Cover Stock is a specially formulated uncured rubber used in vulcanized conveyor belt step and finger splicing. It is engineered for use as a cover rubber replacement material when splicing fabric conveyor belts. Our abrasion resistant compound chemically bonds to cured standard RMA Grade 1 and RMA Grade 2 cover rubber for conveyor belts.



PROPERTIES:

- **Base Polymer:** SBR Rubber
- **Rubber Color:** Black
- **Poly Liner Color:** Clear (Double-Sided) Color coded label tape runs the entire length of roll to identify each product.
- **Specific Gravity:** 1.18 – 1.24
- **Hardness:** 60 – 70 Shore A
- **Rubber Tensile Strength:** 2000 psi
- **Rubber Elongation:** 450% min (at break)
- **Shelf Life:** 6 Months at 70 °F (21 °C)

FEATURES:

- Extends the durability of vulcanized splices
- Increases resistance to wear and tear on conveyor belt splices
- Double-sided poly reduces the risk of field contamination.
- Utilizes a poly color-coding system to identify the compound
- Compatible with belt splices made of Natural Rubber (NR), Polyisoprene (IR), Styrene-Butadiene (SBR), Polybutadiene (BR), and Polychloroprene (Neoprene, CR)

Part Number	Dimensions	Thickness	Weight		Unit	Color
			kg	lb		
ASG-VC-CS-0.188	20" x 15.5'	0.188"	15.4	34.00	Roll	Green
ASG-VC-CS-0.125	20" x 25'	0.125"	16.9	37.20	Roll	Yellow
ASG-VC-CS-0.063	20" x 47'	0.063"	15.4	34.00	Roll	Red

VUL-CON® FABRIC CONVEYOR BELT TIE GUM RUBBER

VUL-CON® Fabric Conveyor Belt Tie Gum Rubber is a specially formulated uncured rubber used in vulcanized conveyor belt step and finger splicing. It is engineered to promote excellent adhesion to cured rubber and treated fabric when splicing fabric conveyor belts. Our compound chemically bonds to cured standard RMA Grade 1 and RMA Grade 2 cover rubber for conveyor belts.



PROPERTIES:

- **Base Polymer:** SBR Rubber
- **Rubber Color:** Black
- **Poly Liner Color:** Clear (Double-Sided) Color coded label tape runs the entire length of roll to identify each product.
- **Specific Gravity:** 1.18 – 1.24
- **Hardness:** 60 – 70 Shore A
- **Rubber Tensile Strength:** 2000 psi
- **Rubber Elongation:** 450% min (at break)
- **Shelf Life:** 6 Months at 70 °F (21 °C) or 12 Months at 50 °F (10 °C)

FEATURES:

- Extends the durability of vulcanized splices
- Increases resistance to wear and tear on conveyor belt splices
- Double-sided poly reduces the risk of field contamination.
- Utilizes a color-coding system to identify the compound
- Compatible with belt splices made of Natural Rubber (NR), Polyisoprene (IR), Styrene-Butadiene (SBR), Polybutadiene (BR), and Polychloroprene (Neoprene, CR)

Part Number	Dimensions	Thickness	Weight		Unit	Color
			kg	lb		
ASG-VC-TG-0.040	20" X 50'	0.040"	10.9	24.00	Roll	Blue
ASG-VC-TG-0.040-39	39" x 50'	0.040"	21.3	47.00	Roll	Blue
ASG-VC-TG-0.060	20" X 50'	0.060"	16.3	36.00	Roll	Blue
ASG-VC-TG-0.060-39	39" x 50'	0.060"	31.8	70.00	Roll	Blue

VUL-CON® TOOLS & ACCESSORIES

ASGCO® offers an extensive range of top-quality VUL-CON® tools and accessories designed to streamline the splicing process. These products are engineered to enhance operational efficiency, ensuring that maintenance tasks are performed with precision and speed. This helps to minimize downtime and keep your systems running smoothly.



Description	Part Number	Description	Part Number	Description	Part Number
1 Splicing Tool Kit Box	ASG-VC-SPL-TB	9 Metal Square	ASG-VC-TEE-SQUARE	17 Pricker Stitcher	ASG-VC-P-STITCHER
2 Utility Knife	ASG-VC-SAFETY-KNIFE	10 Chip Brushes (3pk)	ASG-VC-CHIP-BRUSH	18 Pincher	ASG-VC-SAFETY-PINCHER
3 Spare Blades (5pk)	ASG-VC-SPAREBLADES-5PK	11 Tape Measure	ASG-VC-TAPE-MEASURE	19 Stripper Clamp	ASG-VC-STRIPPER-CLAMP
4 Safety Glasses	ASG-VC-SAFETY-GLASSES	12 Claw Hammer	ASG-VC-HAMMER	20 Hawk Bill Ply Knife	ASG-VC-HBK
5 Cut Resistant Gloves	ASG-VC-SAFETY-GLOVES	13 Hook Ply Knife .080	ASG-VC-PLY-080	21 2" x 2" Smooth Roller	ASG-VC-SR-2X2
6 Nitrite Gloves (5pk)	ASG-VC-NITRAGLOVES	14 1" Fillet Knife	ASG-VC-FILLET-KNIFE	22 2" x 1/6" Corrugated Stitcher	ASG-VC-CR-2X.063
7 Bench Brush	ASG-VC-BENCH-BRUSH	15 Oscillating Tool	ASG-VC-OCILL-TOOL	23 Single Row Stitcher	ASG-VC-SRP-STITCHER
8 Chalk Line	ASG-VC-CL	16 Hook Ply Knife .060	ASG-VC-PLY-060	24 Belt Splicing Complete Toolkit	M-ASG-VC-STK

VUL-CON® SILICONE RELEASE PAPER

VUL-CON® Silicone Release Paper is a specially formulated calendered Kraft-type paper with a silicone non-stick coating. It is engineered for use as a release material between the rubber and vulcanizing press. It can be used in step splicing, finger splicing and steel cord splicing of all types of belts.



PROPERTIES:

- **Paper Type:** #70 Kraft
- **Color:** Yellow
- **Release:** Silicone Treatment (both sides)

FEATURES:

- Suitable for rubber belt splices made of Natural Rubber (NR), Polyisoprene (IR), Styrene Butadiene (SBR), Polybutadiene (BR), Polychloroprene (Neoprene, CR), and Ethylene Propylene Diene Monomer (EPDMR)
- Double-sided silicone for easy release from press.

Part Number	Dimensions	Weight		Unit
		kg	lb	
ASG-VC-SRP	50.38" x 164'	5.1	11.20	Roll

VUL-CON® BREAKER FABRIC (SKIMMED)

VUL-CON® Breaker Fabric (Skimmed) is a Leno Weave RFL-treated fabric, coated with uncured rubber for reinforcing hot vulcanized belt splices. It is ideal for use in step splicing and finger splicing of standard-grade fabric belts.

PROPERTIES:

- **Rubber Color:** Black
- **Poly Color:** Blue (double sided)
- **Base Polymer:** NR/SBR Rubber
- **Specific Gravity:** 1.15 – 1.21
- **Hardness:** 60 – 70 Shore A
- **Rubber Tensile Strength:** 2600 – 3200 psi
- **Rubber Elongation:** 300 – 500% (at break)
- **Fabric Type:** Leno Weave Nylon (Warp & Weft)
- **Fabric Weight:** 9.0 – 10.0 oz per square yard
- **Shelf Life:** 6 Months at 21 °C (70 °F) or 12 Months at 10 °C (50 °F)



FEATURES:

- Extends the lifespan of belt splices
- Enhances the flexibility and strength of conveyor belt splices
- Double-sided poly reduces the risk of field contamination.
- Employs a color-coding system for compound identification
- Suitable for rubber belt splices made of Natural Rubber (NR), Polyisoprene (IR), Styrene Butadiene (SBR), Polybutadiene (BR), and Polychloroprene (Neoprene, CR)

Part Number	Dimensions	Thickness	Weight		Unit
			kg	lb	
ASG-VC-BF-SK	58" x 33'	0.055"	19.0	41.90	Roll

1 Splicing Toolbox (Empty)	2 Utility Knife	3 Spare Blades (5pk)	4 Safety Glasses	5 Cut Resistant Gloves	6 Nitrile Gloves (5pk)
7 Bench Brush	8 Chalk Line	9 Metal Square	10 Chip Brushes (3pk)	11 Tape Measure	12 Claw Hammer
13 Hook Ply Knife .080	14 1" Fillet Knife	15 Oscillating Tool	16 Hook Ply Knife .060	17 Pricker Stitcher	18 Pincher
19 Hook Ply Knife .080	20 Hawk Bill Ply Knife	21 2" x 2" Smooth Roller	22 2" x 1/6" Corrugated Stitcher	23 Single Row Stitcher	24 Belt Splicing Complete Toolkit

NILOS® COLD TOPGUM TL-T60

The **NILOS® COLD TOPGUM TL-T60** is a high-performance, two-part cold bonding adhesive ideal for splicing and repairing both fabric and steel cord conveyor belts. Engineered for reliable adhesion, it effectively bonds a wide range of rubber and fabric materials. Distributed by **ASGCO®**, this versatile adhesive is well-suited for demanding industrial applications where strong, long-lasting bonds are essential.

PROPERTIES:

- **Color:** Black
- **Density:** approx. 0.88 g/cm²
- **Pot life:** approx. 2 hours
- **Shelf Life:** in dry environment and room temperature, unopened 36 months

FEATURES:

- Cold splicing and repair of textile conveyor belts
- Bonding of rubber-rubber, rubber-metal, rubber-fabric and fabric-fabric
- Cold bonding of drum laggings.
- For Natural Rubber (NR), Polyisoprene (IR), Styrene Butadiene (SBR), Polybutadiene (BR), Polychloroprene i.e. – Neoprene (CR) rubber belt splices



Part Number	Size	U/M	Weight	
			kg	lb
ASG-VC-TL-T60-700G	700g	Can	0.7	1.54
ASG-VC-TL-T60-167KG	167kg	Drum	167	368.17

NILOS® COLD TOPGUM TL-T70 (non-flammable)

The **NILOS® COLD TOPGUM TL-T70** is a non-flammable, two-component cold bonding adhesive specifically developed for the repair of textile and steel cord conveyor belts, as well as for cold splicing of fabric belts. Formulated without trichloroethylene, it offers a safer and more environmentally responsible alternative to traditional adhesives. Its non-flammable composition makes it ideal for use in settings where fire safety is a priority. Like TL-T60, this adhesive delivers strong, durable bonds across rubber, fabric, and metal surfaces. Distributed by **ASGCO®**, **NILOS® COLD TOPGUM TL-T70** is trusted in a variety of industrial environments for its performance, safety, and ease of application.

PROPERTIES:

- **Color:** Black
- **Density:** approx. 1.43 g/cm²
- **Pot life:** approx. 3 hours
- **Shelf Life:** in dry environment and room temperature, unopened 24 months

FEATURES:

- Cold splicing and repair of textile conveyor belts
- Bonding of rubber-rubber, rubber-metal, rubber-fabric and fabric-fabric
- Cold bonding of drum laggings.
- For Natural Rubber (NR), Polyisoprene (IR), Styrene Butadiene (SBR), Polybutadiene (BR), Polychloroprene i.e. – Neoprene (CR) rubber belt splices



Suitable for Underground Use

Part Number	Size	U/M	Weight	
			kg	lb
ASG-VC-TL-T70-1000G	1000g	Can	1.0	2.20

NILOS® COLD TOPGUM UNIVERSAL HARDENER

The **NILOS® COLD TOPGUM Universal Hardener** is a transparent, 33g hardener compatible with all NILOS® cold bonding adhesives. Designed for easy, accurate mixing using a pre-measured bottle and drum system, it activates the adhesive to ensure strong, reliable bonds across rubber, metal, and fabric surfaces. Distributed by **ASGCO®**, it simplifies the bonding process while maximizing adhesion performance.

PROPERTIES:

- **Color:** Transparent
- **Shelf Life:** in dry environment and room temperature, unopened 24 months

FEATURES:

- Exact mixing ratio: 1 can of adhesive
- No need for a measuring cup
- Universal hardener for all NILOS® cold bond adhesives
- For Natural Rubber (NR), Polyisoprene (IR), Styrene Butadiene (SBR), Polybutadiene (BR), Polychloroprene i.e. – Neoprene (CR) rubber belt splices



Part Number	Size	U/M	Weight	
			kg	lb
ASG-VC-0060-H	33g	Bottle	0.033	0.07

NILOS® STG-B HOT VULCANIZING CEMENT

NILOS® STG-B Hot Vulcanizing Cement is a specially formulated one-part cement for vulcanized belt splicing. It is engineered for use as a tackifying agent for cured and uncured rubber materials.

PROPERTIES:

- **Color:** Black
- **Base Polymer:** NR/SBR Rubber
- **Solids (wt.):** 15-20 %
- **Formula:** Naphtha (60%), Heptane (25%), Rubber (15%)
- **Calculated Coverage:**
 - 700 g (1.54 Lbs.) – 2.7 M² (29 ft²)
 - 3 kg (6.6 Lbs.) – 13.4 M² (144 ft²)
 - 14.5 kg (31.9 Lbs.) – 67 M² (721 ft²)
 - 170 kg (374 Lbs.) – 670 M² (7212 ft²)
- **Flash Point:** 7 °C (45 °F)
- **Shelf Life:** 6 Months at 21° C (70° F) or 12 Months at 10° C (50° F).

FEATURES:

- Builds additional tack for uncured splice materials in preparation for a conveyor belt splice
- Brushable consistency for ease of application
- Good penetration into the splice materials
- Can be used with a variety of adhesive systems
- For Natural Rubber (NR), Polyisoprene (IR), Styrene Butadiene (SBR), Polybutadiene (BR), Polychloroprene i.e. – Neoprene (CR) rubber belt splices



Part Number	Size	U/M	Weight	
			kg	lb
ASG-VC-VC	650g	Can	0.65	1.43

VUL-CON® CLEANING SOLVENT

VUL-CON® Cleaning Solvent is a specially formulated industrial solvent, cleaner and degreaser. It is engineered for use on all rubber, metal, and fabric surfaces. It is ideal for cleaning the splice area before applying cement and splice materials.

PROPERTIES:

- **Color:** Clear
- **Base Polymer:** Solvent
- **Solids (wt.):** 0 %
- **Formula:** Ethyl Acetate/Cyclohexane
- **Calculated Coverage:** 16.6 M² (288 ft²)
- **Storage:** Store in a cool, dry, well-ventilated area away from heat, direct sunlight, hot metal surfaces and all sources of ignition.

FEATURES:

- Cleans and degreases the surface for priming and tackifying
- General surface preparation of conveyor belt vulcanized splices
- Concentrated solvent
- Specially formulated for the rubber fabrication and conveyor splicing industry
- For Natural Rubber (NR), Polyisoprene (IR), Styrene Butadiene (SBR), Polybutadiene (BR), Polychloroprene i.e. – Neoprene (CR) rubber belt splices



Part Number	Size	Weight	
		kg	lb
M-ASG-VC-SOLV-Q	1 Quart	0.9	2.0
M-ASG-VC-SOLV-G	1 Gallon	3.6	8.0

NILOS® SH METAL PRIMER

The **NILOS® SH METAL Primer** is a high-quality bonding agent used with **NILOS® COLD TOPGUM TL-T60** and **TL-T70** adhesives. It prepares surfaces for effective cold bonding in demanding industrial applications like rubber lagging in silos and tanks. Ideal for rubber-to-metal, and similar surfaces, it ensures strong, long-lasting adhesion when used with the NILOS® system, distributed by ASGCO®.

PROPERTIES:

- **Color:** Gray
- **Density:** approx. 0.973 g/cm³
- **Pot life:** approx. 30 minutes
- **Shelf Life:** in dry environment and room temperature, unopened 24 months

FEATURES:

- Pre-treatment of metal surfaces for rubber-metal cold bonding
- Application after roughening and before bonding
- Easy application by a roller
- For Natural Rubber (NR), Polyisoprene (IR), Styrene Butadiene (SBR), Polybutadiene (BR), Polychloroprene i.e. – Neoprene (CR) rubber



Part Number	Size	U/M	Weight	
			kg	lb
ASG-VC-H1139	735g	Can	0.735	1.6

TAKES-UP



AVOID INEFFICIENCIES RESULTING FROM CONVEYOR BELT SLIPPAGE

CONVEYOR TAKE-UPS

Maintaining proper tension on the belt is crucial to prevent inefficiencies caused by belt slippage at the drive pulley and reduce belt sag, which can affect the product life of the belt and components.

ASGCO®'s Take-Up Frames can provide tension to the belt throughout the conveyor system, extending the life of the belt, reducing maintenance costs, and increasing yield.

CONVEYOR TAKE-UPS

Medium Take-Up Frame (MLD)

Available with **Dodge®** and/or **Timken®** bearings upon request.

- Designed for lightweight to medium duty applications
- Solid one-piece bearing mount; pre-slotted for 2-bolt pillow block bearings
- Top-mounted
- Narrow frame for light installations
- Available ACME Thread



TAKE-UP STYLE					
	Bearing Style			Mounting Position	
	Pillow Block	Wide Slot	Top Angle	Top	Side
MLD (Light Duty)	X			X	

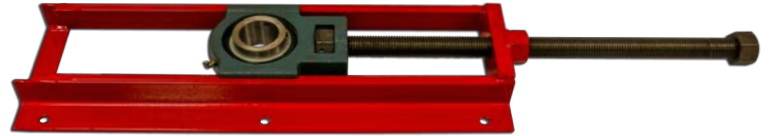
BEARING BORE BASED ON PULLEY SHAFT SIZE									
	1"	2"	3"	4"	5"	6"	7"	8"	9"
MLD (Light Duty)	1/2" - 3-7/16" ↔								

TRAVEL LENGTH BASED ON CONVEYOR LENGTH											
Length of Conveyor	10'	20'	25'	50'	75'	100'	125'	150'	175'	200"	225"
Take-Up Travel Length (- 3% Stretch)	4"	7"	9"	18"	27"	36"	45"	54"	63"	72"	81"

Wide Slot Take-Up Frame (MWS)

Available with **Dodge®** and/or **Timken®** bearings upon request.

- Compact frame design, typically mounted horizontally on the side of the structure and used where space is limited
- Wide slot ball bearings can be provided with frame upon request
- Side-mounted
- Available ACME Thread



TAKE-UP STYLE					
	Bearing Style			Mounting Position	
	Pillow Block	Wide Slot	Top Angle	Top	Side
MWS (Wide Slot)		X			X

BEARING BORE BASED ON PULLEY SHAFT SIZE									
	1"	2"	3"	4"	5"	6"	7"	8"	9"
MWS (Wide Slot)	1/2" - 3" ↔								

TRAVEL LENGTH BASED ON CONVEYOR LENGTH											
Length of Conveyor	10'	20'	25'	50'	75'	100'	125'	150'	175'	200"	225"
Take-Up Travel Length (- 3% Stretch)	4"	7"	9"	18"	27"	36"	45"	54"	63"	72"	81"

Top Angle Take-Up Frame (TATU)

Available with **Dodge®** and/or **Timken®** bearings upon request.

- Versatile for use in heavy and medium applications.
- The threaded rod/screw is shielded by an angle iron to prevent damage from material spillage.
- Top Angle Roller or Ball Bearing
- Top Angle bearings can be supplied with the frame upon request.
- Top-mounted configuration



TAKE-UP STYLE					
	Bearing Style			Mounting Position	
	Pillow Block	Wide Slot	Top Angle	Top	Side
TATU (Top Angle)			X	X	

BEARING BORE BASED ON PULLEY SHAFT SIZE									
	1"	2"	3"	4"	5"	6"	7"	8"	9"
TATU (Top Angle)	1/2" - 3" ↔								

TRAVEL LENGTH BASED ON CONVEYOR LENGTH											
Length of Conveyor	10'	20'	25'	50'	75'	100'	125'	150'	175'	200"	225"
Take-Up Travel Length (- 3% Stretch)	4"	7"	9"	18"	27"	36"	45"	54"	63"	72"	81"

Center Pull Take-Up Frame (CPTU)

Available with **Dodge®** and/or **Timken®** bearings upon request.

- Versatile for use in short heavy duty conveyors applications where high belt tension is required.
- The fully threaded rod/screw is directly attached to the center of the housed bearing unit.
- Center Pull bearings can be supplied with the frame upon request.



TAKE-UP STYLE						BEARING BORE BASED ON PULLEY SHAFT SIZE									
	Bearing Style			Mounting Position		1"	2"	3"	4"	5"	6"	7"	8"	9"	
	Pillow Block	Wide Slot	Top Angle	Top	Side										
CPTU (Center Pull)		X		X		CPTU (Center Pull) 1-7/16" - 4-15/16" ↔									

TRAVEL LENGTH BASED ON CONVEYOR LENGTH												
Length of Conveyor	10'	20'	25'	50'	75'	100'	125'	150'	175'	200"	225"	
Take-Up Travel Length (- 3% Stretch)	4"	7"	9"	18"	27"	36"	45"	54"	63"	72"	81"	

Telescoping Take-Up Frame (TSTU)

Available with **Dodge®** and/or **Timken®** bearings upon request.

- Versatile for use in various applications and portable equipment.
- Telescoping tubes form a sealed area to protect threaded rods or screws.
- Can be bolted to the conveyor structure, allowing for unsupported pulley extension beyond the structure.
- Pre-slotted for 2-bolt pillow block bearings.
- Pillow block bearings can be supplied with the frame upon request.
- Side-mounted configuration.



TAKE-UP STYLE						BEARING BORE BASED ON PULLEY SHAFT SIZE									
	Bearing Style			Mounting Position		1"	2"	3"	4"	5"	6"	7"	8"	9"	
	Pillow Block	Wide Slot	Top Angle	Top	Side										
TSTU (Telescoping)		X			X	TSTU (Telescoping) 1/2" - 6" ↔									

TRAVEL LENGTH BASED ON CONVEYOR LENGTH												
Length of Conveyor	10'	20'	25'	50'	75'	100'	125'	150'	175'	200"	225"	
Take-Up Travel Length (- 3% Stretch)	4"	7"	9"	18"	27"	36"	45"	54"	63"	72"	81"	

Heavy Duty Take-Up Frame (HDTU)

Available with **Dodge®** and/or **Timken®** bearings upon request.

- Versatile for use in heavy applications
- Bearing mount custom-drilled to fit any brand and series of pillow block bearings
- Pillow block bearings can be supplied with the frame upon request.
- Top-mounted configuration



TAKE-UP STYLE						BEARING BORE BASED ON PULLEY SHAFT SIZE									
	Bearing Style			Mounting Position		1"	2"	3"	4"	5"	6"	7"	8"	9"	
	Pillow Block	Wide Slot	Top Angle	Top	Side										
HDTU (Heavy Duty)			X	X		HDTU (Heavy Duty) 1-7/16" - 9" ↔									

TRAVEL LENGTH BASED ON CONVEYOR LENGTH												
Length of Conveyor	10'	20'	25'	50'	75'	100'	125'	150'	175'	200"	225"	
Take-Up Travel Length (- 3% Stretch)	4"	7"	9"	18"	27"	36"	45"	54"	63"	72"	81"	



WORKMANSHIP, SKILLS AND KNOWLEDGE MAKES ALL THE DIFFERENCE.

ASGCO® CONVEYOR TRAINING SCHOOL (ACT™) **Conveyor Product & Installation Training**

Train with the experts in belt conveyor productivity. The curriculums are designed to thoroughly sharpen your installation and application skills through classroom lectures and actual hand on demonstrations. ACT™ covers a wide range of topics and skills, from product-specific to safety and maintenance fundamentals. You will learn terminology, basic structure, and operation of these systems. These courses cover belts, belt cleaners, idlers, and feed/discharge devices, as well as an explanation of installation, maintenance, replacement, and troubleshooting information of these components.

ASGCO® Conveyor Technician Program (Conveyor 101) – ASGCO® Conveyor Training School (ACT™) offers classes created to provide your team with the highest quality training to solve your conveyor problems. Our experienced staff will show your team the ease of installing and maintaining ASGCO® conveyor components.

ASGCO® Conveyor Technician Program (Apprenticeship) – offers a curriculum to prepare employees for careers as Conveyor Service Technicians. This degree program will prove to be invaluable to the employees that will be learning valuable skills and trades to help themselves, their families, and the industries that we serve that help to build the infrastructure of America.

Splice Training School – 2-3 days course you will gain valuable installation knowledge through hands-on training to prolong belt life and minimize maintenance concerns. Training includes plied and straight-warp belting, steel cord, and lightweight belting.

Lunch & Learn – An on-site 2-4 hour customized training program. ASGCO's Team of Conveyor Product and Service Managers will facilitate this session, which will provide a strong basis for attendees to learn more about maintaining and troubleshooting their conveyor systems.

Webinars – Sign up and learn how our programs have proven successful at facilities across the country. **Free webinar classes will help you discover:**

- Conveyor 101
- Importance of Belt Cleaners
- Conveyor Safety
- Track, Train, and Troubleshoot
- Custom Webinars on Request

ASGCO® Conveyor Training Program

The ASGCO® Conveyor Training Program (ACT™) offers classes created to provide your team with the highest quality training and to provide best practice solutions to your bulk material handling issues. Each day, your team will spend classroom time discussing the most common conveyor problems, such as conveyor belt mis-tracking, carry-back, load zone spillage, and dust control. The remainder of the day is spent in our hands-on conveyor training room, installing components on a full-size working conveyor, to offer solutions to the situations mentioned above. Our experienced staff will show your team the ease of installing and maintaining ASGCO® conveyor components and best practices.



ASGCO® Conveyor 101

Conveyors are the lifeline to an aggregate plant's productivity. This 2-8 hour class will provide the "Conveyor 101" program that has proven successful at facilities across the country. Teaching the fundamentals of conveyors and how to ensure conveyors are running at their most efficient.

- Safety guidelines for working on or around conveyors.
- Conveyor systems, conveyor belts, their components, and how they affect your plant's performance.
- Tips on reducing fugitive material and dust (and solutions to control it) and ideas on how to implement a conveyor inspection and maintenance service program that works for your plant. ...and much more!



ASGCO® Splice Training Program

Whether you're new to conveyor belt splicing or looking to update your skills, this class will provide the tools to enhance safety, efficiency, and durability in your operations practice solutions to your bulk material handling issues. Each day, your team will spend classroom time discussing the critical steps to perform different types of splicing, as well as a hands-on approach to performing these specific splices in a state-of-the-art conveyor room. Training includes both plied and straight warp belting administered by our seasoned professionals here at ASGCO®.





COMPLETE CONVEYOR SERVICE & SUPPORT THAT LEADS TO EFFECTIVE SOLUTIONS.

CONVEYOR SERVICES

At ASGCO® Complete Conveyor Solutions, we use engineered products and services to provide our customers with the best solutions to their conveyor material handling applications. We are focused on developing cost effective and technologically advanced products, specifically designed for optimum conveyor performance. Combined with our national network of distributors, we can provide you with custom engineering and design to meet your specific conveyor needs, along with installation and maintenance programs that will streamline your operation by increasing production up time and lowering costs. Together we are part of a coordinated implementation team focused on insuring your success.

- Custom Design & Engineering
- International Network of Distributors
- Installation & Service
- Conveyor Product & Installation Training
- Custom Conveyor Maintenance Programs

Laser Alignment Services

Improve Overall Conveyor Performance

ASGCO®'s Laser Alignment Services improves the overall conveyor performance using state-of-the-art laser equipment and digital processors. ASGCO® technicians can accurately analyze the alignment of all the components and structure of the conveyor for better conveyor efficiency.

- **Improves Conveyor Efficiency** – by extending belt life and components, improving dust control, and reduced power consumption.
- **Provides Accurate Analysis** – of all conveyor pulleys, drives, take-ups, components and structure.
- **Precise Corrections** – are identified on a detailed conveyor status report via a computer printout on site after the analysis.
- **Total Satisfaction Warranty (TSG)** – of our laser alignment and conveyor services is Warranty each and every time.

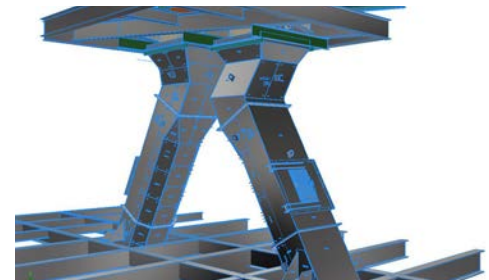


Point Cloud Laser Scanning

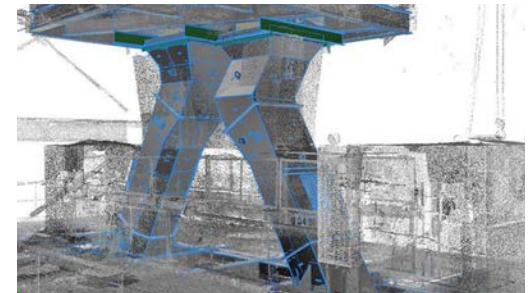
Realistic and True-To-Detail Laser Scanning

ASGCO® Point Cloud Laser Scanner is a powerful high-speed Focus3D X 130 HDR 3D scanner, delivering realistic and true-to-detail scan results. The laser technology is more accurate than traditional methods because it captures thousands of points along the clearance plane. The ultra-portable Point Cloud Laser Scanner enables fast, straightforward, and then a 360° view accurate measurements of facades, complex structures, production and supply facilities, accident sites, and any environment.

- **Distance accuracy up to ±2mm**
- **Range from 0.6m up to 130m**
- **Noise reduction of 50%**
- **Safe and fast as-built data capturing with superior color detail**
- **Reliable life-like visualization** – even under extreme lighting conditions
- **Reduced complexity by integrated scanning** – and imaging workflow for all kinds of measurements even in challenging environments
- **Cloud files are integrated into the inventor where modeling against the cloud is performed.**



Engineered 3D model drawing

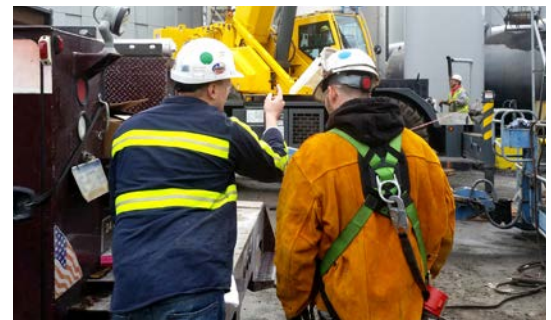


Engineered 3D model drawing overlaid into cloud point scan

Installation & Field Services

Your equipment will be routinely serviced and checked to insure maximum performance. A program of planned and scheduled maintenance can avert many breakdowns. Our program's goal is to service the equipment properly at the lowest cost.

- **Scheduled Conveyor Walk-Through**
- **Identification of Problem Areas**
- **Complete Maintenance Schedule**
- **Maximum Product Performance**
- **Increased Productivity from Less Downtime**



Conveyor Maintenance

Products, Services & Recommendations That Solve Problems

ASGCO®'s experienced field and service technicians are ASGCO®-certified and trained. Our reliable emergency service is available 24/7/365. On-site and on-time fabrication and completion are essential for any installation to shorten schedules and minimize downtime.

- **Component Installation/Retrofitting**
- **On-Site Fabrication**
- **Dust Control Products & Services**
- **Custom Conveyor Maintenance**



COAL & POWER



3-DEM® Designed Transfer Chute



Tru-Trainer® Dual Urethane Return Idler



Impact Cradle Bed™



Wash Box™ Belt Cleaner System



Razor-Back® Belt Cleaner



Safe-Guard® Conveyor Belt Lifter

MINERALS & PULP/PAPER



Tru-Trainer® Dual Return Idler



Clamp-Mount® MDX



Tru-Trainer® Flat Return Idler



Bronco™ Brush Belt Cleaner



Safe-Guard® Modular Flat Guard

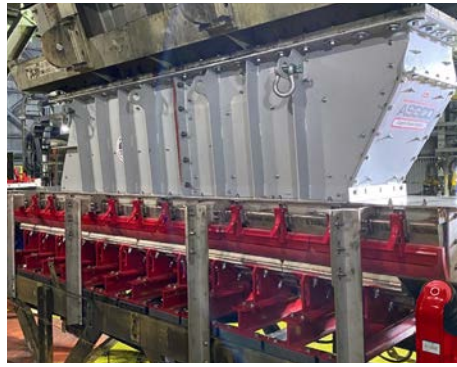


Lift Bed - Diverter Plow™

METALS & STEEL



Skalper MDX® Belt Cleaner



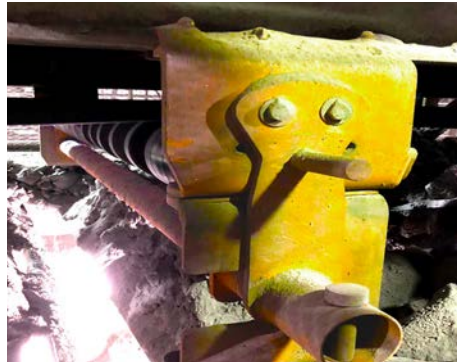
Load Zones & Transfer Points



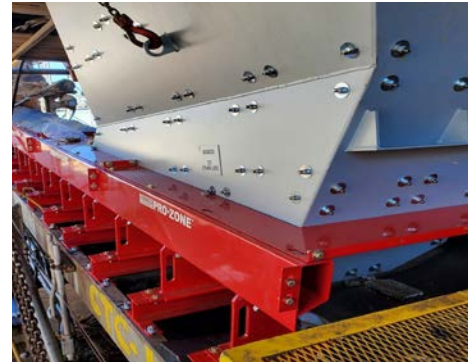
Tru-Trainer® Urethane V-Return Idler



Arrowhead® Ceramic Pulley Lagging



Safe-Guard® Return Roll Changer



Pro-Zone™

CEMENT & AGGREGATE



Safe-Guard® Return Idler Guard



Super-Skalper® Belt Cleaner



BC2™ Belt Cleaner



DURA-TUFF™ Urethane Canoe Liners



Tru-Trainer® Tapered Troughing Idler



DURA-TUFF™ Rubber Canoe Liners

