Bulk Material Handling

Conveyor Products, Systems and Services

Need Solutions...to improve efficiency, safety and productivity? ask... ASGCO®
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 services; we deliver solutions.

A HERITAGE OF INNOVATION

Since our founding in 1971, by Alfred S. Gibbs and his son Todd, ASGCO® has pioneered some of the most effective products in use for improving bulk material handling. We believe in taking care of the customer with great quality products and exceptional service. This has been a successful and standard policy at ASGCO® for many years and will continue in the future.

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

IMPROVING SAFETY

JUST ASK ASGCO!

What may seem like a problem to our customers is just a chance for us to put every resource we have in motion. And no matter what the basic assignment, we always seek out ways to increase production and to reduce operating costs. ASGCO® uses innovative products and engineered solutions to solve problems happening now and to prevent problems from happening in the future.

OUR PROMISE...

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

Rubber Scalping Screens, Perforated Plates, Canoe Liners and Side Tension Screen Rails

The role of screening in the processing flow is to size and separate material ahead of secondary and tertiary crushing circuits, and/or to size and separate material in preparation for final product stockpiling.

ASGCO® Rubber Screen Panels deliver unmatched precision performance – dependable production even under adverse high impact operating conditions, or when handling the most abrasive and coarse material types for dry screening.

ASGCO® rubber screens are custom-made to fit your existing application, giving you low maintenance costs and high efficiency in applications that are too severe for conventional wire cloth.

Punch Plate Screens also available.

Screen Feed Box Liners

Screen Feed Box Liners are patterned for a direct replacement of the current liner configuration being used, or depending on the wear characteristics change the layout for maximum wear life. Liners have the ability to have various sized and shaped ceramics inserted to increase the longevity of the liner.

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. In house engineered to allow for an ease in duplicity.

Skirtboard Wear Liners (Urethane, Steel, Rubber, Ceramic)

Urethane Canoe Liners protect your skirtboard and extend the life and effectiveness of your sealing compound. Use the straight design where belts are fully loaded and full chute width needs to be maintained. The angled deflector plate wear liner will force larger material to the center of the belt.

Our Urethane Canoe Liners are engineered to absorb impact and abrasion in all types of material transfer operations. ASGCO® Ceramic Canoe Skirt Liners are highly effective for sealing inside the skirtboard, controls the material until it becomes stable and protecting the skirt wall from wearing.

Urethane Bucker Backer Bar Channel

Also referred to as buffer strip, bucker-up strip, buffer channel and crown bar channel. Lasts 5 times longer than conventional rubber.

- Legs are tapered slightly inward to aid in gripping the bucket up bar to prevent rolling.
- Available ⅝” and ⅜” channel in 4 ft strips
- Durometer 92

- Abrasion Resistant
- Resists cuts and tears
- Impact Resistant
- Less Maintenance
- Easy Installation

Products and Service 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 services; we deliver solutions.
Wear Liners for Bulk Material Handling Conveyor Systems

Wear Liners
Wear Liners are designed to be an integral part of any bulk handling conveyor system. ASGCO® manufactures a variety of conveyor wear liners with many options and sizes to choose from. Designed to handle any tough hard rock mining application. Abrasion resistant, modular, high-wear material to line belts, chutes, and bin impact areas. ASGCO® wear liner products are the longest lasting, most cost effective in the industry.

X-Wear® (Ceramic) - Smooth laminate surface provides optimum sliding for bulk material handling.

Armorite®
ASGCO® Armorite® is both impact and abrasion resistant and is made from a combination of high chromium and molybdenum white iron metallurgically bonded to a mild steel plate.

Urethane Liners - We manufacture Urethane cast products as per customer requirement under strict confidentiality agreements with our customers, respecting any and all patents on the products they have designed and given us the opportunity to manufacture.

Available Conveyor Products:
- Urethane Lagged Pulleys & Rollers
- Urethane Classifier Shoes
- Urethane Hydrocyclone Liners
- Urethane Sheets & Linings
- Pipeline Products & Pigs

Nitronic SX® Stainless Steel - is a nitrogen-strengthened stainless steel developed for applications requiring good level corrosion resistance and durability.

Table of CONTENTS

CONVEYOR BELTING
ASGCO® Conveyor Belts 1-2

CONVEYOR PULLEYS
Martin Sprocket & Gear®, Inc. 3
Baldor-Dodge® Superior® 3

SCREW AND BUCKET CONVEYORS
Martin Sprocket & Gear®, Inc. 4

BELT CONVEYOR IDLERS
Martin® Idlers 5
Syntron® Material Handling Superior® 5

TRACKING AND SPECIALTY IDLERS
ASGCO® Tru-Trainer® Return and Troughing Idlers 6
Dura-Sleeve® Idlers 6
Slide-lers® 6

BEARINGS, GEAR BOXES AND POWER TRANSMISSION PRODUCTS
Baldor-Dodge® 7
Timken 7

MOTORS
Worldwide® Electric Corporation 8

BELT CLEANERS
ASGCO® Primary and Secondary 9

ASGCO® LOAD ZONE, SKIRTING AND DUST CONTROL 10

MECHANICAL FASTENERS
MLT® (Minet Lacing Technology) Flexco® 11

CONVEYOR BELT REPAIR
Fourthane® 13

VIBRATING FEEDERS
Syntron® Material Handling 14

WEAR PARTS
ASGCO® Wear Liners 15

SCREENS
ASGCO® 16
ASGCO®’s Quarry-Flex™ conveyor belting is engineered to provide excellent rip, tear and impact resistance as seen in hard rock mining and recycling applications. The unique straight-warp carcass construction provides the impact resistance up to three times greater than conventional plied belting, while offering excellent troughability and tracking properties.

- High strength and minimal stretch or elongation
- Rip and tear resistance that is 2-3 times that of conventional conveyor belting
- Provides the longest belt life

ASGCO®’s Quarry-Duty™ belt carcasses are distinguishable from the competition by their high adhesion, lower elongation and field performance. Our compounds have been engineered to protect the belt not only from wear and tear but as importantly the aging and flex properties, which actually determine the longevity of the belt.

- High strength with exceptional stability
- Rip and tear resistance that is 2-3 times that of conventional conveyor belting
- Outstanding puncture and high impact resistance
- Excellent flexibility and load support

Syntron® MF Heavy-Duty Electromechanical Feeders are the heavy-weights of bulk material handling and are used for higher capacity requirements. The ten heavy-duty models handle capacities from 600 to 4,000 tons per hour.*

Feeders Features
- Operating frequency - 1100 VPM at 55.4 Hz
- Stroke: 0.25 - 0.30 inches
- Dependable, flexible, easily adjustable
- Minimal component design to reduce adjustments and replacements due to wear loaded or empty

Syntron® Heavy-Duty Electromagnetic Feeders are the most recognized name in the industry. With models having capacities ranging from 25 to 1,600 tons per hour, these feeders are capable of handling a variety of materials from fine powder to large, coarse particles.

Performance Feeder Feature
- Dust-tight and maintenance-free drive units: Feeders have no mechanical parts to wear out, such as cams, eccentrics, belts and bearings - thus eliminating the need for lubrication.
- Stroke generated by electromagnetic field produced by coil.
- High Frequency: 3600 VPM at 60 Hz or 50 Hz with EVF Control for maximum feed rate.
- Stroke - .080 inches: New “HP” units operate at .080” at 3600 VPM to provide 40% more output than traditional units at .060”.

Syntron® Heavy-Duty Electromechanical Feeders combine extra structural strength with durable components. The deep wing plates form a bridge between inlet and discharge suspension supports, providing extra strength for years of dependable service.

Feeders Features
- Operating frequency - 1100 VPM at 55.4 Hz
- Stroke: 0.25 - 0.30 inches
- Start and operate fully loaded or empty
- Dependable, flexible, easily adjustable
- Minimal component design to reduce adjustments and replacements due to wear loaded or empty

Syntron® Heavy-Duty Vibrating Feeders are for heavy industry and are ideal for feeding a wide variety of bulk materials from storage piles, hoppers, bins and silos. Rugged and dependable, Syntron® heavy-duty feeders are backed by years of service with proven performance in the mining, aggregates, glass, cement, chemical, wood products and steel industries.

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Syntron® F-Series Heavy-Duty Vibrating Feeders

Syntron® MF Heavy-Duty Electromechanical Feeders

Syntron® Heavy-Duty Electromechanical Feeders

Syntron® Heavy-Duty Electromagnetic Feeders

Syntron® MF Heavy-Duty Electromechanical Feeders

Syntron® Heavy-Duty Electromagnetic Feeders
**CONVEYOR BELT REPAIR**

*Conveyor Belt Repair System*

Fourthane® is a new easy to apply synthetic rubber with high tear and impact resistance. Fourthane® allows you to repair rubber conveyor belt covers that cure enough within one hour so the equipment operation can resume, reducing down time and maximizing the equipment operational time. Specially formulated to be applied on conveyor belts that work under high impact and abrasion.

**FOURTHANE®** is a liquid material designed to be applied with a spatula or a similar tool. After a relatively short period of curing time it achieves physical properties similar to the conveyor belt’s rubber cover.

**FOURTHANE®** product is provided in a kit of 26.5 Ounces (750 grams), which includes the synthetic rubber and catalyst. With the proper primer, the product can also be applied to non-rubber surfaces such as steel, concrete, wood, etc.

**TYPICAL APPLICATIONS:**
- Restore belt covers worn from skirtboard contact
- Restore belt covers on feeder belts
- Patch impact damaged areas of feeder belt covers
- Repair of longitudinal cuts in steel cord and fabric belts
- Refurbish damaged belt splice areas
- Renovate rip detection antenna installation areas

**Productivity**
After applied, it only requires 10 minutes to dry and 1 hour to setup, minimizing down time, accomplishing time and money saving.

**Easy Application**
Specially formulated to be used in the field with very few tools and personnel.

**High Tear and Impact Resistance**
The high tear and impact resistance of the FOURTHANE® Red Line, allows the users to repair rubber coatings and conveyor belt covers of heavy demand, such as fever belts.

Each Kit includes:
- FOURTHANE® resin
- Cleaning Agent
- Primer
- Catalyst
- Brush
- Latex Gloves

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**ASGCO® Steel-Flex™**

ASGCO® Steel-Flex™ Conveyor Belting steel cord conveyor belts are suitable for high strength, long distance, and heavy load transportation of materials, which are widely used in coal mines, hard rock mining, bulk shipping terminals / port facilities, coal-fired power plants and mineral mining.

- High Tension conveyors
- Long haul conveyors
- Short, high speed feeder belts prone to rip and tear due to tramp material
- Heat Resistant belts prone to “burn through”

**Power Mine Plus™** is constructed for above ground coal handling in power generation and coal preparation plants where leaching agents and dust suppressants can be major influences on belt deterioration. Little maintenance.

- Excellent abrasion and cover wear properties
- Available in 4 carcass constructions: Standard Plied, Heavy-Duty Straightwarp, Kev-Flex and Steel-Flex.
- Fabric carcasses from 330 to 1500 PIW
- Low rolling resistance bottom covers also available

**CHEVRON® Steep-Angle Belting**

CHEVRON belts are equipped with covers of a tried-and-tested, wear-resistant quality. With 10-50 mm high profiles, they are the perfect belt for numerous applications.

- Wear-resistant cover with profiles vulcanized
- Flexible profile compounds for up to 50 mm
- Can be used efficiently with small pulley diameters
- Reduction of dirt caking
- Special types are available for conveying hot goods, for goods containing oil and grease and for steep-incline conveying applications.

**MOR Oil Resistant Compounds**

MOR Oil Resistant (MOR) is engineered to resist cover swell due to oil exposure. MOR is ideally suited to handling waste products, sludge, sewage, wood products and other moderately oily materials.

**Applications:**
- Aggregates & Cement
- Cement
- Power Generation
- Steel
- Fertilizer
- Aboveground Coal

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ASGCO® Power Mine Plus™

ASGCO® Power Mine Plus™ is a new easy to apply synthetic rubber with high tear and impact resistance. Fourthane® allows you to repair rubber conveyor belt covers that cure enough within one hour so the equipment operation can resume, reducing down time and maximizing the equipment operational time. Specially formulated to be applied on conveyor belts that work under high impact and abrasion.

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- Aggregates & Cement
- Cement
- Power Generation
- Steel
- Fertilizer
- Aboveground Coal

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**CONVEYOR BELTING**

*Steel-Flex™ Power Mine Plus™ Chevron/MOR*

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**Applications:**
- Aggregates & Cement
- Cement
- Power Generation
- Steel
- Fertilizer
- Aboveground Coal
Martin product line meets the demanding requirements of industries such as sand and gravel pits, quarries, coal mines, unit packaging, food processing, and recycling. These pulleys are manufactured to the same quality standards you have come to expect from Martin. Martin manufactures heavy duty conveyor pulleys, including drum pulleys, wing pulleys, turbine pulleys, engineered pulleys, and special construction pulleys.

Drum Pulleys
Drum pulleys are manufactured from thick wall pipe or tubing, with a crowned face or flat face. Martin has standard duty, quarry duty, mine duty and machined drum pulleys.

- Machined Drum Pulleys
- Standard Duty Drum Pulleys
- Mine Duty Drum Pulleys
- Quarry Duty Drum Pulleys

Wing Pulleys
Wing Pulleys are constructed from extremely heavy materials and are recognized in the industry as the most aggressive CEMA grade stock pulley on the shelf.

- Standard Duty Wing Pulleys
- Mine Duty Wing Pulleys
- Quarry Duty Wing Pulleys
- Quarry Duty “AR” Wing Pulleys
- Special Construction Pulleys

CFW Wing Pulley
Martin’s Clean Flight Wing Pulley is a much stronger design, constructed with distinctly aggressive materials and thick flight.

- Enhance belt tracking
- Decreased vibration
- Reduced noise
- Improved material rejection
- No contact bar
- Maximum cleaning efficiency

Heavy Duty Conveying Pulleys
Lagging is designed to meet the demands of your application. We offer Ceramic Lagging custom fit to your application, vulcanized rubber, cold bond lagging and strip lagging. Other lagging compounds such as Urethane, EPDM White Food Grade FDA approved rubber, SOF (static conductive/oil resistant/flame resistant) and many other lagging products are also available.

- Vulcanized Rubber Lagging
- Ceramic Lagging
- VC-Lagg (Vulcanized Ceramic Lagging)

Mechanical Fastener Solutions for all your Conveyor Needs.

Fastener systems for heavy-duty applications:

- Rivet Solid Plate Fastener System
  1. Low-profile, belt cleaner compatible
  2. Quick installation, minimal downtime
  3. Power installation options
  4. Maximum resistance to pull-out

- Rivet Hinged Fastener System
  1. Low-profile, belt cleaner compatible
  2. Quick installation, minimal downtime
  3. Power installation options
  4. Maximum resistance to pull-out

- Belt Solid Plate Fastener System
  1. Silt-free splice
  2. Non-magnetic and rubber covered options
  3. On-site installation with portable hand and power tools
  4. Low cost, long life splice

- Belt Hinged Fastener System
  1. For belts with frequent belt-length alterations or smaller pulleys
  2. Easy to install and re-install
  3. Non-magnetic and spark-free options

Mechanical belt fasteners combine surprising strength and durability with affordability and easy installation. That makes them a smart option when your priority is saving time and money.

ASGCO’s service team has the capability of installing Flexco® fasteners to quickly repair your conveyor belt, reducing costly downtime and increasing productivity.

How to specify the right fastener:
1. Determine belt tension - Most conveyor belting has a mechanical fastener rating. Care should be taken not to operate the belting or fasteners beyond their recommended ratings.
2. Measure belt thickness - If fasteners are to be countersunk, measure the belt thickness after a portion of the belt cover has been removed. Choose a fastener size which corresponds to belt thickness.
3. Measure the diameter of the smallest pulley in your drive - For tail or take-up of the self-cleaning "wing" type pulley, 25% larger diameter dimensions are generally required. Only consider pulleys over which the belt makes at least a 90° wrap.
4. Choose the fastener size that is appropriate for your specifications - Consult individual Flexco® application catalogs to guide your selection.
5. Hinged or solid plate? - When either style is appropriate, solid plate styles are preferred for longer life and to prevent sifting. Hinged fasteners are preferred on portable conveyors with smaller pulley diameters.

Fastener Metals include: Steel, Stainless Steel, MegaAlloy®, RustAlloy®, Everdur and Promal.
Super-Screw® Conveyor Belt Lacing

...So Easy to Install!

Minet Lacing Technology has developed the SUPER-SCREW®, MLT specific screws are self-drilling and self-tapping (they spread the carcass threads without cutting them).

The fasteners are made of composite material with self-tapping screws and are usable on reinforced rubber corresponding to the various conveyor quality: wear, oil or fire-resistant or white FDA.

The screwing system allows Super-Screw® to be installed regardless of the:
- configuration of the conveyor belt
- access conditions
- weather conditions
Super-Screw® can also be used as a permanent splice and for repair of holes and rips.

Super-Screw Advantages:
- Wear and cut resistant
- Perfect for tubular belts
- Flexible and leak proof
- High tensile strength
- Compatible with small pulley diameter by bias installation
- Can be used for a short insert on the conveyor system
- Compatible with conveyor belt scrapers
- Available in coil or ‘ready to use’ cut specific lengths
- Suitable for high-heat belt up to 200°C or 392 °F and very low temperatures (-50°C or 19°F)
- Many rubber qualities available
- For antimagnetic splice (magnet belts) use screws and inserts made of antimagnetic stainless steel

Belt Skiver PS 15 Standard
- Handle is very ergonomic and comfortable.
- Every size blade can be fitted on the cutting head in one operation, clamps are spring loaded.
- Can skive on any part of your belt.
- Can skive your belts from 1/16” to 5/8” deep.
- Each part is available as a spare part.

Additional Fasteners
Clip’N Lock® is a low profile light duty fastener. It maintains the normal pitch that ensures an excellent gripping of the claws in wide belts.

Meander Design (continuously connected design), developed by Minet Lacing Technology’s R&D:
- Double rows of teeth for additional strength
- Eliminates risk of loosing claws
- Helps to maintain pitch in wide belts
- Perfect for rough belts - 33 % more grip points gives 15 % more additional strength than standard fasteners.

MS® Fasteners utilizes self-tapping screws for heavy duty belts that require no drilling, no template, and no hammering. The screws drill smoothly through the belt, while maintaining belt integrity (Thickness of 9/64” to 23/32”).
- No Pre Drilling / No template
- Installed by screwing directly
- Belt is clamped by the fastener itself
- Rubber belts can be repaired, then back to work
- Turn fastener upside down for a more leak proof and long life installation

Bucket Elevators
Martin manufactures and stocks Bucket Elevators in a variety of styles and configurations. Bucket elevators are used in many industries with material including, soaps, ceramics, carbon black, fiberglass, metal powder, fertilizer, grain, sugar, flour, salt and much more.

Centrifugal Discharge Elevators
Offered in chain or belt type design and will handle a variety of free-flowing dry materials with small to medium lump size.

Super Capacity - Continuous Discharge Elevators
Offered in chain type design with buckets mounted between two chain rows and will handle higher capacities of free flowing, extremely abrasive materials.

High-Speed Grain Centrifugal Elevators
Offered as a belt design of either double or single leg construction. Designed to economically handle free flowing grain type products.
Tough Construction for Tough Applications

Martin manufactures heavy duty idlers and components that exceed CEMA standards. Heavy duty construction and triple labyrinth seals allow for trouble-free part life in the harshest of applications. With idlers available when and where you need them, Martin can provide the complete solution for your belt conveyor needs.

For over 100 years, Link-Belt has designed and manufactured belt conveyor parts including conveyor idlers (rollers) and components that set the standard of excellence for bulk material handling throughout the world. Quality products, prompt shipment and after-sales service are Syntron Material Handling trademarks. We offer a full line of conveyor idlers (rollers) products, ranging from 14” to 120” in belt widths, that meet or exceed CEMA B, C, D, E and F specifications.

Link-Belt C2000 Idlers

Choose from a wide range of Link-Belt Conveyor Idlers (and parts) for above-ground and underground applications.

SpinGuard Seal Technology

• Contact seal prevents foreign material from entering seal cavity
• Grease-filled triple labyrinth seal shuts out contaminants
• Stationary external seal prevents material pinch points

Quick Reaction

• One to two day turnovers on custom designs

High Quality Construction

• Thick or thicker steel construction compared to other brands
• Two year complete components warranty
• Largest, broadest range of all CEMA categories on the market

Economical Retrofit Rolls

• Slotted shafts fit most competitor frames
• Hex nut adapter available for hex nut style brackets

No Maintenance Base Frame

• Angled base sheds material
• Flared, non-clogging center stands
• No material pinch points between roll and frame

By combining the strengths, capabilities and expertise we are able to offer the broadest selection of material handling solutions available anywhere. Our brands, Syntron®, and Link-Belt®, are recognized around the world for their history of exceptional performance and value in material handling and vibratory feeding equipment.

All Syntron® idlers conform with OSHA operational safety standards.

Load Zone, Skirting and Dust Control

ASGCO’s decades of load zone support is utilized in developing world class conveyor transfer point products such as our line of Impact Beds and Pro-Zone™ that help:

• NO Pinch Points or Idler Junction Area
• Absorbs Impact and Can Really Take the Shock of Large Material
• Modular Designed Cradles
• Available in Either Standard or Mine Duty

Conveyor Load Zone Support

ASGCO’s line of load zone products eliminates spillage, dust and fines at transfer points on the conveyor system. Provides reliable, positive seal in the conveyor load zone.

• Slashes Clean-Up Costs
• Improves Conveyor Safety
• Reduces Damage to Conveyor Belt and Components

Impact Cradle Beds™ – ASGCO’s Impact Cradle Beds are (Patent Pending) 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.

• Available in Either Standard or Mine Duty
• NO Pinch Points or Idler Junction Area
• Absorbs Impact and Can Really Take the Shock of Large Material
• Modular Designed Cradles
• Available in Either Standard or Mine Duty

Roller Cassette™ - Incorporates the advantages of slider and impact bars for sealing, while maintaining constant rolling support for the conveyor belt in the load zone.

Pro-Zone™ - A patent pending modular conveyor belt load-zone system that optimizes the sealing for air/dust tightness of the receiving conveyor belt.

ASGCO® LOAD ZONES, SKIRTING AND DUST CONTROL

Clamp-Mount®

• Sealing Systems
• Skirtboard Sealing
• Compounds
• Impact Beds

Pro-Zone™

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• Impact Beds
Primary Belt Cleaners
- Cleaners
Secondary Belt
- Cleaners

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.

Our Primary Belt Cleaners are now bigger, stronger and more durable.

Secondary Belt Cleaners

Primary and Secondary Conveyor Belt Cleaners

Carry-back can lead to:
- Excessive buildup and wear on conveyor belt idlers and pulleys.
- Conveyor belt misalignment due to the artificial crown created by the carry back.
- Negative and unsafe work environment.

Skalper® with E-Z Torque® - Simple and highly effective belt cleaning system for every application.

Pit-Skalper® - Highly effective in challenging service conditions to remove carry-back from the conveyor system.

Super-Skalper® - The massive blade tackles the toughest bulk material handling applications.

Razor-Back® - Tough self-adjusting replaceable tungsten carbide blades (non-carbide also available) for extremely effective belt cleaning.

TORO™ - Effective, flexible solution that is also suitable for reversing conveyor belts.

V-Plow XD® - Designed for the toughest mining environments to reduce build-up on the tail and take-up pulleys and reduce belt edge damage.

Specialty Conveyor Belt Tracking Idlers

Tru-Trainer® Conveyor Belt Tracking Idlers
The Tru-Trainer® conveyor belt tracker employs a unique and highly effective tracking action, which is non-damaging to the belt and reacts immediately if the conveyor belt begins to drift off center.

Our line of Tru-Trainer® conveyor belt trackers don’t rely on contact with the belt edge in order to guide it. This means that conveyor belt edge damage, which occurs frequently with other tracking systems, is avoided. The center pivot is unique and simple, consisting of a stainless steel pin within a solid steel center shaft.

Features and Benefits:
- Continuous Alignment reduces edge damage
- Heavy-Duty Patented Design
- Reactivity in both wet and dry conditions
- Total Satisfaction Guarantee (TSG)
- Polyurethane lagged rollers are also available.
- Excellent for Reversing Belt Applications.

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.

Tru-Trainer® Flat Return Idler - reacts as the belt tracker moves off center it will contact the tapered section of the roller on that side of the conveyor belt.

Tru-Trainer® Tapered Troughing Idler - The patented ASGCO® Tru-Trainer® Tapered Trougher offers the ultimate in tracking performance on the load-carrying side and is the result of over 10 years of design and innovation.

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- Polyurethane lagged rollers are also available.
- Excellent for Reversing Belt Applications.

Patented Replaceable Sleeves are also available for both CEMA D, E and F idlers.

Tru-Trainer® Dual Return Urethane or Rubber and Dual V-Return Urethane or Rubber Idlers - developed to accommodate excessive forces encountered with wide conveyor belts and heavy loads. Fast and effective.

Torque-adjustable idlers are easily adjustable for even removal.

Slide-lers™ - Give you the ability to change rolls under the conveyor loading skirt area without having to remove adjacent belt idlers.
Baldor•Dodge® power transmission products offer reliable service and low maintenance to help reduce your total cost of ownership. Our innovative bearings, gearing and power transmission products have solved the toughest applications for over 130 years. Our technical sales team can help you with the most challenging applications, and our worldwide distributor network ensures immediate delivery.

**Mounted Bearings**
- Mounted Ball Bearings
- Mounted Tapered Roller Bearings
- Mounted Spherical Roller Bearings
- Mounted Flange Bearings
- Hydrodynamic Bearings
- Take-Up Frames

**PT Components**
- Couplings
- Conveyor Components
- Conveyor Pulleys
- Weld-On Hubs
- Bushings
- Sprockets
- Synchronous Belt Drives
- Sheaves
- V-Belt Drives
- Motor Brakes
- Clutch/Brake Modules

**Gearing**
- TORQUE-ARM® Shaft Mount Reducers
- TORQUE-ARM II® Shaft Mount Reducers
- TORQUE-ARM II Motorized Shift Mnt Reducers
- TIGEAR-2® Speed Reducers
- QUANTIS® Reducers & Gearmotors
- MAXIMUM® XTR Concentric Speed Reducers
- CS1® (Controlled Start Transmissions)
- MAGNAGEAR XTR

**System-1**
- Integrated solution for multiple-product power transmission projects
- Complete package of optimized, performance-matched Baldor-Reliance and Baldor-Dodge products
- Single point of contact for project management
- Total-package shipping under one part number
- Pre-Engineered Drive Packages

When your equipment faces harsh environments, you need roller bearing housed units rugged enough to outlast tough conditions and deliver exceptional performance.

Timken® Spherical Roller Bearing Solid-Block Housed Units multiply protection with primary and secondary seal options, as well as steel covers in size to fit all Timken® solid-block house units. The space between the primary and secondary seal offers a fail-safe grease cavity for more protection.

Increase performance and durability / Decrease overall cost of ownership.

**Electric Motors, Controls and Gear Reducers**
WorldWide provides customers with the best products, competitive prices and superior customer service.

**Rigid Base Motors**
- 1-250 HP - 3600, 1800 and 1200 RPM
- Single voltage, 460 volt
- TEFC enclosure, Rigid base
- Dual rated service factor 1.15 for 40°C / 1.0 for 65°C
- Class F insulation with Class N varnish
- Full compliance with IEEE 841, version 2009
- Meets or exceeds EISA 2007 requirements defined in NEMA MG-1 table 12-12
- Parker Hannifan ProTech IP66 labyrinth seals on both drive-end and opposite drive-end bearings
- CSA Certified for Class I, Division 2, Groups A, B, C, D
- Inverter duty, 10.1 CT / 1000:1 VT
- Class B temperature rise

**Advanced Design Soft Starts**
Advanced Design Heavy Duty Soft Starts:
- Three wire in, three wire out installation
- Service Entrance Rated
- Integral bypass contactors are standard on all sizes
- Over current capacity: 500% for 60 seconds
- Real-time thermal modeling and dynamic thermal register continuously calculates motor operating temperature even when your motor is not running
- Phase loss protection based on current and voltage
- Separate across the line overload protection
- Load loss trip (under current) with trip delay
- Pre-start checks for shortened load prior to each start
- Two programmable overload trip curves allow for the thermal capacity required to start the load while providing more closely matched overload protection during the run time
- PTC thermistor input for use on motors with embedded PTC temperature sensors
- Current imbalance trip and biasing of the thermal register
- Electronic shear pin trip (overcurrent) with trip delay
- Equipment ground fault trip and monitoring

**Advanced Design Rock Crusher Motors**
- 100 HP - 600 HP - 1800 and 1200 RPM
- 208-230/460 volt (100-200 HP) 460 volt (250-600 HP)
- TEFC enclosure
- 1.15 SF
- Class F insulation
- Rigid base
- Premium efficiency (100-200 HP)
- EISA-Compliant - high efficiency (250-600 HP)
- Inverter ready, 4:1 CT / 1000:1 VT
- Suitable for 50 Hz operation with 1.0 SF (100-150 HP)

**Pre-Engineered Drive Packages**
Baldor•Dodge power transmission products offer reliable service and low maintenance to help reduce your total cost of ownership. Our innovative bearings, gearing and power transmission products have solved the toughest applications for over 130 years. Our technical sales team can help you with the most challenging applications, and our worldwide distributor network ensures immediate delivery.

Advanced Design Soft Starts

- Three wire in, three wire out installation
- Service Entrance Rated
- Integral bypass contactors are standard on all sizes
- Over current capacity: 500% for 60 seconds
- Real-time thermal modeling and dynamic thermal register continuously calculates motor operating temperature even when your motor is not running
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Increased performance and durability / Decrease overall cost of ownership.

When your equipment faces harsh environments, you need roller bearing housed units rugged enough to outlast tough conditions and deliver exceptional performance.

Timken Spherical Roller Bearing Solid-Block Housed Units multiply protection with primary and secondary seal options, as well as steel covers in size to fit all Timken solid-block house units. The space between the primary and secondary seal offers a fail-safe grease cavity for more protection.

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Increase performance and durability / Decrease overall cost of ownership.
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 to move your products from one production unit to the next without failure or any unscheduled downtime.
Our Primary Belt Cleaners are now bigger, stronger and more durable.

Primary and Secondary Conveyor Belt Cleaners

Carry-back can lead to:
• Excessive buildup and wear on conveyor belt idlers and pulleys.
• Conveyor belt misalignment due to the artificial crown created by the carry back.
• Negative and unsafe work environment.

Secondary Belt Cleaners

Razor-Back® - Tough self-adjusting replaceable tungsten carbide blades (non-carbide also available) for extremely effective belt cleaning.

Tru-Trainer® Conveyor Belt Tracking Idlers

The Tru-Trainer® conveyor belt tracker employs a unique and highly effective tracking action, which is non-damaging to the belt and reacts immediately if the conveyor belt begins to drift off center.

Our line of Tru-Trainer® conveyor belt trackers don’t rely on contact with the belt edge in order to guide it. This means that conveyor belt edge damage, which occurs frequently with other tracking systems, is avoided. The center pivot is unique and simple, consisting of a stainless steel pin within a solid steel center shaft.

Tru-Trainer® Flat Return Idler - reacts as the belt tracker moves off center it will contact the tapered section of the roller on that side of the conveyor belt.

Features and Benefits:
• Continuous Alignment reduces edge damage
• Heavy-Duty Patented Design
• Reactionary in both wet and dry conditions
• Total Satisfaction Guarantee (TSG)
• Polyurethane lagged rollers are also available.
• Excellent for Reversing Belt Applications.

Specialty Conveyor Belt Tracking Idlers

Tru-Trainer® Tapered Troughing Idler - The patented ASGCO® Tru-Trainer® Tapered Trougher offers the ultimate in tracking performance on the load-carrying side and is the result of over 10 years of design and innovation.

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.

Tru-Trainer® Tapered Troughing Idler - The ASGCO® Tru-Trainer® Tapered Troughing Idler offers the ultimate in tracking performance on the load-carrying side and is the result of over 10 years of design and innovation.

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.

Tru-Trainer® Dual Return Urethane or Rubber and Dual V-Return Urethane or Rubber Idlers - developed to accommodate excessive forces encountered with wide conveyor belts and heavy loads. Fast and effective.

Features and Benefits:
• Continuous Alignment reduces edge damage
• Heavy-Duty Patented Design
• Reactionary in both wet and dry conditions
• Total Satisfaction Guarantee (TSG)
• Polyurethane lagged rollers are also available.
• Excellent for Reversing Belt Applications.

ASGCO® Complete Conveyor Solutions

Skalper® with E-Z Torque® - Simple and highly effective belt cleaning system for every application.

PT-Skalper® - Highly effective in challenging service conditions to remove carry-back from the conveyor system.

Super-Skalper® - The massive blade tackles the toughest bulk material handling applications.

Razor-Back® - Tough self-adjusting replaceable tungsten carbide blades (non-carbide also available) for extremely effective belt cleaning.

TORO™ - Effective, flexible solution that is also suitable for reversing conveyor belts.

V-Plow XD® - Designed for the toughest mining environments to reduce build-up on the tail and take-up pulleys and reduce belt edge damage.

Skalper® with E-Z Torque® - Simple and highly effective belt cleaning system for every application.

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Pit-Skalper® - Highly effective in challenging service conditions to remove carry-back from the conveyor system.

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Martin manufactures heavy duty idlers and components that exceed CEMA standards. Heavy duty construction and triple labyrinth seals allow for trouble-free part life in the harshest of applications. With idlers available when and where you need them, Martin can provide the complete solution for your belt conveyor needs.

For over 100 years, Link-Belt has designed and manufactured belt conveyor parts including conveyor idlers (rollers) and components that set the standard of excellence for bulk material handling throughout the world. Quality products, prompt shipment and after-sales service are Syntron Material Handling trademarks. We offer a full line of conveyor idlers (rollers) products, ranging from 14” to 120” in belt widths, that meet or exceed CEMA B, C, D, E and F specifications.

Choose from a wide range of Link-Belt Conveyor Idlers (and parts) for above-ground and underground applications.

By combining the strengths, capabilities and expertise we are able to offer the broadest selection of material handling solutions available anywhere. Our brands, Syntron, and Link-Belt, are recognized around the world for their history of exceptional performance and value in material handling and vibratory feeding equipment.

All Syntron idlers conform with OSHA operational safety standards.

SpinGuard Seal Technology
- Contact seal prevents foreign material from entering seal cavity
- Grease-filled triple labyrinth seal shuts out contaminants
- Stationary external seal prevents material pinch points

Quick Reaction
- One to two day turnarounds on custom designs

High Quality Construction
- Thick or thicker steel construction compared to other brands
- Two year complete components warranty
- Largest, broadest range of all CEMA categories on the market
- Economical Retrofit Rolls
- Slotted shafts fit most competitor frames
- Hex nut adapter available for hex nut style brackets

No Maintenance Base Frame
- Angled base sheds material
- Flared, non-clogging center stands
- No material pinch points between roll and frame

Tough Construction for Tough Applications

ASGCO’s Impact Cradle Beds are (Patent Pending) 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.

ASGCO’s decades of load zone support is utilized in developing world class conveyor transfer point products such as our line of Impact Beds and Pro-Zone that help:
- NO Pinch Points or Idler Junction Area
- Absorbs Impact and Can Really Take the Shock of Large Material
- Modular Designed Cradles
- Available in Either Standard or Mine Duty

ASGCO LOAD ZONES, SKIRTING AND DUST CONTROL

ASGCO’s Property Sealing Systems and dust control products eliminate spillage, dust and fines at transfer points on the conveyor system. Provides Highly Reliable, Positive Seal in the Conveyor Load Zone.

- Slashes Clean-Up Costs
- Improves Conveyor Safety
- Reduces Damage to Conveyor Belt and Components

Impact Cradle Beds - ASGCO’s Impact Cradle Beds are (Patent Pending) 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.

Pro-Zone that help:
- NO Pinch Points on the conveyor system.
- Eliminates material pinch points on the conveyor system.
- Installs easily and allows for one person to replace or reposition skirt rubber.

Clamp-Mount MDX (Mine Duty) - Helps to eliminate spillage and dust in the conveyor transfer point. MDX installs easily and allows for one person to replace or reposition skirt rubber.

Tri-Seal, Multi-Seal, Dura-Seal (OOG), B&R Dura-Seal, and SX Skirtboard Sealing Compounds

Our adjustable skirtboard sealing compounds stop fines and dust from escaping the load zone. They work great in above and below ground mining.

ASGCO LOAD ZONES, SKIRTING AND DUST CONTROL

www.asgco.com | 800.344.4000

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Minet Lacing Technology has developed the SUPER-SCREW®. MLT specific screws are self-drilling and self-tapping (they spread the carcass threads without cutting them). The fasteners are made of composite material with self-tapping screws and are usable on reinforced rubber corresponding to the various conveyor quality: wear, oil, fire-resistant or white FDA.

Super-Screw® Conveyor Belt Lacing

Super Screw Advantages:
• Wear and cut resistant
• Perfect for tubular belts
• Flexible and leak proof
• High tensile strength
• Compatible with small pulley diameter by bias installation
• Can be used for a short insert on the conveyor system
• Compatible with conveyor belt scrapers
• Available in coil or ‘ready to use’ cut specific lengths
• Suitable for high-heat belt up to 200°C or 392 °F and very low temperatures (-50°C or 19°F)
• Many rubber qualities available
• For an anti-magnetic splice (magnet belts) use screws and inserts made of anti-magnetic stainless steel.

Belt Skiver PS 15 Standard
• Handle is very ergonomic and comfortable.
• Every size blade can be fitted on the cutting head in one operation, clamps are spring loaded.
• Can skive on any part of your belt.
• Can skive your belts from 1/16” to 5/8” deep.
• Each part is available as a spare part.

Additional Fasteners

Clip’N Lock® is a low profile light duty fastener. It maintains the normal pitch that ensures an excellent gripping of the claws in wide belts.

MLT Fasteners utilizes self-tapping screws for heavy duty belts that: require no drilling, no template, and no hammering. The screw drill smoothly through the belt, while maintaining belt integrity (Thickness of 9/64” to 23/32”).
• No Pre Drilling / No template
• Installed by screwing directly
• Belt is clamped by the fastener itself
• Rubber belts can be repaired, then back to work
• Turn fastener upside down for a more leak proof and long life installation.

High Quality Skiving Tool with 4 Heat Settings

The screwing system allows Super-Screw® to be installed regardless of the:
• configuration of the conveyor belt
• access conditions
• weather conditions

Super-Screw® can also be used as a permanent splice and for repair of holes and rips.

Martin SPROCKET & GEAR, INC.

Martin offers a complete line of material handling solutions available to the marketplace. Our conveyor products are designed to efficiently handle most varieties of dry, free-flowing bulk materials. Martin offers a variety of configurations to efficiently handle most any material handling need.

Screw Conveyors
Single and Double Screw conveyors are commonly used to transfer bulk material solids. However, a screw may also be used to heat or cool a product as it is being conveyed.

Bucket Elevators
Martin manufactures and stocks Bucket Elevators in a variety of styles and configurations. Bucket elevators are used in many industries with material including, soaps, ceramics, carbon black, fiberglass, metal powder, fertilizer, grain, sugar, flour, salt and much more.

Centrifugal Discharge Elevators
Offered in chain or belt type design and will handle a variety of free-flowing dry materials with small to medium lump size.

Super Capacity - Continuous Discharge Elevators
Offered in chain type design with buckets mounted between two chain rows and will handle higher capacities of free flowing, extremely abrasive materials.

High-Speed Grain Centrifugal Elevators
Offered as a belt design of either double or single leg construction. Designed to economically handle free flowing grain type products.

Martin can help size and select the conveyor that meets your needs.

Bucket Elevators

Martin offers a complete line of material handling solutions available to the marketplace. Our conveyor products are designed to efficiently handle most varieties of dry, free-flowing bulk materials. Martin offers a variety of configurations to efficiently handle most any material handling need.

Screw Conveyors

A screw conveyor is either right hand or left hand depending on the form of the helix. The hand of the screw is easily determined by looking at the end of the screw.

Continuous Discharge Elevators
Offered in chain or belt type design and will handle a variety of free-flowing dry and sluggish, extremely abrasive materials with medium to large lump size.

Mill Duty - Centrifugal Discharge Elevators
This heavy duty construction style for severe environments is offered in chain or belt type design including double row bucket design made to handle a variety of free-flowing dry materials with small to medium lump size.
**Drum Pulleys**

Drum pulleys are manufactured from thick wall pipe or tubing, with a crowned face or flat face. Martin has standard duty, quarry duty, mine duty and machined drum pulleys.

- Machined Drum Pulleys
- Standard Duty Drum Pulleys
- Mine Duty Drum Pulleys
- Quarry Duty Drum Pulleys

**Wing Pulleys**

Wing Pulleys are constructed from extremely heavy materials and are recognized in the industry as the most aggressive CEMA grade stock pulley on the shelf.

- Standard Duty Wing Pulleys
- Mine Duty Wing Pulleys
- Quarry Duty Wing Pulleys
- Quarry Duty “AR” Wing Pulleys
- Special Construction Pulleys

**CFW Wing Pulley**

Martin’s Clean Flight Wing Pulley is a much stronger design, constructed with distinctly aggressive materials and thick flight.

- Enhance belt tracking
- Decreased vibration
- Reduced noise
- Improved material rejection
- No contact bar
- Maximum cleaning efficiency

**Heavy Duty Conveying Pulleys**

Lagging is designed to meet the demands of your application. We offer Ceramic Lagging custom fit to your application, vulcanized rubber, cold bond lagging and strip lagging. Other lagging compounds such as Urethane, EPDM White Food Grade FDA approved rubber, SOF (static conductive/oil resistant/flame resistant) and many other lagging products are also available.

- Vulcanized Rubber Lagging
- Ceramic Lagging
- VC-Lagg (Vulcanized Ceramic Lagging)

### Mechanical Fastener Solutions for all your Conveyor Needs.

#### Fastener systems for heavy-duty applications:

- **Rivet Solid Plate Fastener System**
  1. Low-profile, belt cleaner compatible
  2. Quick installation, minimal downtime
  3. Power installation options
  4. Maximum resistance to pull-out

- **Rivet Hinged Fastener System**
  1. Low-profile, belt cleaner compatible
  2. Quick installation, minimal downtime
  3. Power installation options
  4. Maximum resistance to pull-out

- **Bolt Solid Plate Fastener System**
  1. Silt-free splice
  2. Non-magnetic and rubber covered options
  3. On-site installation with portable hand and power tools
  4. Low cost, long life splice

- **Bolt Hinged Fastener System**
  1. For belts with frequent belt-length alterations or smaller pulleys
  2. Easy to install and re-install
  3. Non-magnetic and spark-free options

#### How to specify the right fastener:

1. **Determine belt tension** - Most conveyor belting has a mechanical fastener rating. Care should be taken not to operate the belting or fasteners beyond their recommended ratings.
2. **Measure belt thickness** - If fasteners are to be countersunk, measure the belt thickness after a portion of the belting cover has been removed. Choose a fastener size which corresponds to belt thickness.
3. **Measure the diameter of the smallest pulley in your drive** - For tails or take-up of the self-cleaning “wing” type pulley, 25% larger diameter dimensions are generally required. Only consider pulleys over which the belt makes at least a 90° wrap.
4. **Choose the fastener size that is appropriate for your specifications** - Consult individual Flexco® application catalogs to guide your selection.
5. **Hinged or solid plate?** - When either style is appropriate, solid plate fasteners are preferred for longer life and to prevent sifting. Hinged fasteners are preferred on portable conveyors with smaller pulley diameters.

**Fastener Metals include:** Steel, Stainless Steel, MegAlloy®, RustAlloy®, Everdur and Promal.
The best and fastest system in the world for belt conveyor reparations.

**Fourthane®** is a new easy to apply synthetic rubber with high tear and impact resistance. Fourthane® allows you to repair dryer conveyor belt covers that cure enough within one hour so the equipment operation can be resumed, reducing down time and maximizing the equipment operational time.

Specially formulated to be applied on conveyor belts that work under high impact and abrasion.

**FOURTHANE®** is a liquid material designed to be applied with a spatula or a similar tool. After a relatively short period of curing time it achieves physical properties similar to the conveyor belt's rubber cover.

**FOURTHANE®** product is provided in a kit of 26.5 Ounces (750 grams), which includes the synthetic rubber and catalyst. With the proper primer, the product can also be applied to non-rubber surfaces such as steel, concrete, wood, etc.

**TYPICAL APPLICATIONS:**
- Restore belt covers worn from skirtboard contact
- Restore belt covers on feeder belts
- Patch impact damaged areas of feeder belt covers
- Repair of longitudinal cuts in steel cord and fabric belts
- Refurbish damaged belt splice areas
- Renovate rip detection antenna installation areas

**Productivity**
After applied, it only requires 10 minutes to dry and 1 hour to setup, minimizing down time, accomplishing time and money saving.

**Easy Application**
Specially formulated to be used in the field with very few tools and personnel.

**High Tear and Impact Resistance**
The high tear and impact resistance of the FOURTHANE® Red Line, allows the users to repair rubber coatings and conveyor belt covers of heavy demand, such as feeder belts.

Each Kit includes:
- FOURTHANE® resin
- Cleaning Agent
- Primer
- Catalyst
- Brush
- Latex Gloves

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**ASGCO® Steel-Flex™**

ASGCO® Steel-Flex™ Conveyor Belting steel cord conveyor belts are suitable for high strength, long distance, and heavy load transportation of materials, which are widely used in coal mines, hard rock mining, bulk shipping terminals / port facilities, coal-fired power plants and mineral mining.

- High Tension conveyors
- Long haul conveyors
- Short, high speed feeder belts prone to rip and tear due to tramp material
- Heat Resistant belts prone to "burn through"

**Power Mine Plus™** is constructed for above ground coal handling in power generation and coal preparation plants where leaching agents and dust suppressants can be major influences on belt deterioration. Little maintenance.

- Excellent abrasion and cover wear properties
- Available in 4 carcass constructions: Standard Plied, Heavy-Duty Straightpaw, Kev-Flex and Steel-Flex.
- Fabric carcasses from 330 to 1500 PIW
- Low rolling resistance bottom covers also available

**CHEVRON Steep-Angle Belting**

CHEVRON belts are equipped with covers of a tried-and-tested, wear-resistant quality. With 10-50 mm high profiles, they are the perfect belt for numerous applications.

- Wear-resistant cover with profiles vulcanized
- Flexible profile compounds for up to 50 mm
- Can be used efficiently with small pulley diameters
- Reduction of dirt caking
- Special types are available for conveying hot goods, for goods containing oil and grease and for steep-incline conveying applications.

**MOR Oil Resistant Compounds**

Moderate Oil Resistance (MOR) is engineered to resist cover swell due to oil exposure. MOR is ideally suited to handling waste products, sludge, sewage, wood products and other moderately oily materials.

**Applications:**
- Aggregates & Cement
- Cement
- Power Generation
- Steel
- Fertilizer
- Aboveground Coal
ASGCO® stocks thousands of feet of belting, offering the most complete conveyor product range in the market for quarries, cement, aggregate, bulk shipping terminals, recycling, coal and coal fired power plants.

ASGCO® is one of the largest stocking distributors of conveyor belt in the eastern United States. We represent the highest quality conveyor belt manufacturers from around the world to assist our customers in helping make their plant/mine/facility to become more efficient, safe and productive.

As a conveyor belt products distributor, with over 200,000 feet of conveyor belt in stock, ASGCO® is committed to providing all of your conveyor belt products requirements.

ASGCO® is the high-performance belting for bulk material handling applications, engineered to provide excellent rip, tear and impact resistance as seen in hard rock mining and recycling applications. The unique straight-warp carcass construction provides the impact resistance up to three times greater than conventional plied belting, while offering excellent troughability and tracking properties.

• High strength and minimal stretch or elongation
• Rip and tear resistance that is 2-3 times that of conventional conveyor belting
• Provide the longest belt life

ASGCO®'s Quarry-Flex® conveyor belting is engineered to provide excellent rip, tear and impact resistance as seen in hard rock mining and recycling applications. The unique straight-warp carcass construction provides the impact resistance up to three times greater than conventional plied belting, while offering excellent troughability and tracking properties.

• High strength and minimal stretch or elongation
• Rip and tear resistance that is 2-3 times that of conventional conveyor belting
• Provide the longest belt life

ASGCO®'s Quarry-Duty® belt carcasses are distinguishable from the competition by their high adhesion, lower elongation and field performance. Our compounds have been engineered to protect the belt not only from wear and tear but as importantly the aging and flex properties, which actually determine the longevity of the belt.

• High strength with exceptional stability
• Rip and tear resistance that is 2-3 times that of conventional conveyor belting
• Outstanding puncture and high impact resistance
• Excellent flexibility and load support

Syntron® Heavy-Duty Electromagnetic Feeders are the most recognized name in the industry. With models having capacities ranging from 25 to 1,600 tons per hour, these feeders are capable of handling a variety of materials from fine powder to large, coarse particles. Performance Feature

• Dust-tight and maintenance-free drive units: Feeders have no mechanical parts to wear out, such as cams, eccentrics, belts and bearings - thus eliminating the need for lubrication.
• Stroke generated by electromagnetic field produced by coil.
• High Frequency: 3600 VPM at 60 Hz or 50 Hz with EVF Control for maximum feed rate.
• Stroke - .080 inches: New “HP” units operate at .080” at 3600 VPM to provide 40% more output than traditional units at .060”.

Syntron® Heavy-Duty Electromechanical Feeders are the heavy-weights of bulk material handling and are used for higher capacity requirements. The ten heavy-duty models handle capacities from 600 to 4,000 tons per hour.* 

Syntron® Heavy-Duty Electromechanical Feeders combine extra structural strength with durable components. The deep wing plates form a bridge between inlet and discharge suspension supports, providing extra strength for years of dependable service.

Feeder Features

• Operating frequency - 1100 VPM at 55.4 Hz
• Stroke: 0.25 - 0.30 inches
• Start and operate fully loaded or empty
• Dependable, flexible, easily adjustable
• Minimal component design to reduce adjustments and replacements due to wear
Wear Liners for Bulk Material Handling Conveyor Systems

Wear Liners
Wear Liners are designed to be an integral part of any bulk handling conveyor system. ASGCO® manufactures a variety of conveyor wear liners with many options and sizes to choose from. Designed to handle any tough hard rock mining application, Abrasion resistant, modular, high-wear material to lined belts, chutes, and bin impact areas, ASGCO® wear liner products are the longest lasting, most cost effective in the industry.

X-Wear™ (Ceramic) - Smooth laminate surface provides optimum sliding for bulk material handling.

X-Wear™ Mine Duty - Built with extreme hard ceramics that provide unsurpassed resistance to abrasive wear.

Urethane Liners - We manufacture Urethane cast products as per customer requirement under strict confidentiality agreements with our customers, respecting any and all patents on the products they have designed and given us the opportunity to manufacture.

Available Conveyor Products:
- Urethane Lagged Pulleys & Rollers
- Urethane Classifier Shoes
- Urethane Hydrocyclone Liners
- Urethane Sheets & Linings
- Pipeline Products & Pigs

Nitronic SX® Stainless Steel - is a nitrogen-strengthened stainless steel developed for applications requiring good level corrosion resistance and durability.

ASGCO® Armorite® X-Wear Mine Duty - Built with extreme hard ceramics that provide unsurpassed resistance to abrasive wear.
ABOUT US
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 GUARANTEE!

MAXIMIZING EFFICIENCY
A HERITAGE OF INNOVATION
Since our founding in 1971, by Alfred S. Gibbs and his son Todd, ASGCO® has pioneered some of the most effective products in use for improving bulk material handling. We believe in taking care of the customer with great quality products and exceptional service. This has been a successful and standard policy at ASGCO® for many years and will continue in the future.

FOCUSED ON 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 services; we deliver solutions.

IMPROVING SAFETY
JUST ASK ASGCO!
What may seem like a problem to our customers is just a chance for us to put every resource we have in motion. And no matter what the basic assignment, we always seek out ways to increase production and to reduce operating costs. ASGCO® uses innovative products and engineered solutions to solve problems happening now and to prevent problems from happening in the future.

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

PRODUCTS AND SERVICE 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 services; we deliver solutions.

Rubber Scalping Screens, Perforated Plates, Canoe Liners and Side Tension Screen Rails
The roll of screening in the processing flow is to size and separate material ahead of secondary and tertiary crushing circuits, and/or to size and separate material in preparation for final product stockpiling.

ASGCO® Rubber Screen Panels deliver unmatched precision performance – dependable production even under adverse high impact operating conditions, or when handling the most abrasive and coarse material types for dry screening.

ASGCO® rubber screens are custom-made to fit your existing application, giving you low maintenance costs and high efficiency in applications that are too severe for conventional wire cloth.

Punch Plate Screens also available.

Screen Feed Box Liners
Screen Feed Box Liners are patterned for a direct replacement of the current liner configuration being used, or depending on the wear characteristics change the layout for maximum wear life. Liners have the ability to have various sized and shaped ceramics inserted to increase the longevity of the liner.

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. In house engineered to allow for an ease in duplicity.

Skirtboard Wear Liners (Urethane, Steel, Rubber, Ceramic)
Wear Liners protect your skirtboard and extend the life and effectiveness of your sealing compound. Use the straight design where belts are fully loaded and full chute width needs to be maintained. The angled deflector plate wear liner will force larger material to the center of the belt.

Our Urethane Canoe Liners are engineered to absorb impact and abrasion in all types of material transfer operations. ASGCO® Ceramic Canoe Skirt Liners are highly effective for sealing inside the skirtboard, controls the material until it becomes stable and protecting the skirt wall from wearing.

Urethane Buckner Backer Bar Channel
Also referred to as buffer strip, buckner-up strip, buffer channel and crown bar channel. Lasts 5 times longer than conventional rubber.

Legs are tapered slightly inward to aid in gripping the backer bar to prevent rolling.

- Available ⅜” and ⅝” channel in 48” strips
- Durometer 62
- Abrasion Resistant
- Resists cuts and tears
- Impact Resistant
- Less Maintenance
- Easy Installation