PRODUCfS 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 service, we deliver solutions.

MAXIMIZING EFFICIENCY
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!

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® we continue to strive to make the handling of bulk materials cleaner, safer, and more productive. 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.

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. Our team is always ready. All you need to do is ask ASGCO®!

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.

ABOUT US

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.

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.

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 bucker up bar to prevent rolling.
- Available in ⅛” and ⅜” channel in 4ft strips
- Durometer 82
- Abrasion Resistant
- Resists cuts and tears
- Impact Resistant
- Less Maintenance
- Easy Installation

Provide us access to take measurements and we will use our team of experienced professionals to custom design a solution for you.
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.

X-Wear® Urethane Magnetic Liners - We manufacture magnetic 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.

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

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.

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

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Table of CONTENTS
CONVEYOR BELTING

ASGCO® stocks over 150,000 Ft. of conveyor belting, offering the most complete conveyor product range in the market for aggregate quarries, cement, bulk shipping terminals, recycling, minerals, power and pulp and paper facilities.

ASGCO® is one of the largest stocking distributors of conveyor belt in the 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 become more efficient, safe and productive.

Quarry-Flex®

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

Quarry-Duty™

Quarry-Duty™ belt carcasses are distinguishable from the competition by their high adhesion, lower elongation and field performance. Our compounds have been engineered for higher abrasion resistance 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

Super-K™ Heat Belt

Super-K™ Heat Belt is designed for high temperature applications as seen in the cement manufacturing process, refineries, ash handling, fertilizers and other demanding environment, high temperature applications.
• Single unit warp fabric that is woven with DuPont Kevlar® reinforcement
• Unique combination of quality high temperature resistant EPDM (HT2™) cover compounds
• Rubber covers are capable of withstanding elevated temperatures of +700°F
• Longer resistance to cracking and hardening

VIBRATING FEEDERS

Syntron® Heavy-Duty Vibrating Feeders

Syntron® Vibrating Feeders for heavy industry 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.

Syntron® Heavy-Duty Electromagnetic Feeders

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 powders 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 - 0.08 inches: New "HP" units operate at .080" at 3600 VPM to provide 40% more output than traditional units at .060"

Syntron® MF Heavy-Duty Electromechanical Feeder

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.*

Syntron® MF 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 loaded or empty

Syntron® F-Series

The high-capacity performers
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
- Overhaul conveyors

Power-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.

- 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

Steel-Flex™ Conveyor Belting

Power-Plus™

MOR Oil Resistant Compounds

CHEVRON Steep-Angle Belting

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.

- Excellent oil resistance to reduce cracking and aging
- Available in either standard ply or straight warp carcasses

A new easy to apply synthetic rubber with high tear and impact resistance. Fourthane® allows you to repair rubber conveyor belt covers that can be repaired 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 fever belts.

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

The best and fastest system in the world for belt conveyer reparations.

CONVEYOR BELT REPAIR

CONVEYOR BELTING

www.asgco.com | 800.344.4000

www.asgco.com | 800.344.4000
**CONVEYOR IDLERS**

**Syntron® Idlers**

**Martin® Idlers**

**Superior® Idlers**

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**Tough Construction for Tough Applications**

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.

All Syntron® idlers conform with OSHA operational safety standards.

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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.**

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**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

**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

**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 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 belt or fasteners beyond their recommended ratings.
2. Measure belt thickness - 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 plates? - 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, MegAlloy®, RustAlloy®, Everdur and Promal.**

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**MECHANICAL FASTENERS**

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**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.**

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.

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**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

**Fastener Systems**

**Mechanical Belt Fastener Solutions**

**Mechanical Belt Fasteners**

**Belts Solid Plate**

**Belts Hinged**

**Rivets Solid Plate**

**Rivets Hinged**

**Bolts Solid Plate**

**Bolts Hinged**

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**Contact**

- 800.344.4000

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**www.asgco.com**

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**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.**

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**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.**
MECHANICAL FASTENERS

Super Screw MS Fasteners

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.

Super-Screw® Conveyor Belt Lacing ....So Easy to Install!

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 MS Fasteners

Additional 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 installation

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).

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Super Screw MS Fasteners

Belt Skiver PS 15 Standard

- Handle is very ergonomic and comfortable.
- Every side 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.

High Quality Skiving Tool with 4 Heat Settings

Belt Skiver PS 15 Standard

TRACKING AND SPECIALTY IDLERS

Tru-Trainer® Conveyor Belt Tracking Idlers

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.

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.

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.

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

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

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
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- Total Satisfaction Guarantee (TSG)
- Polyurethane lagged rollers are also available.
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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.

Rollers slide out for easy removal.

Tru-Trainer® Belt Tracking Idlers Slide-lers® Dura-Sleeve™

Rubber Idlers

- Give you the ability to change rolls under the conveyor loading skirt area without having to remove adjacent belt idlers.

- Developed to accommodate excessive forces encountered with wide conveyor belts and heavy loads. Fast and effective.

- Excellent for Reversing Belt Applications.

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Tru-Trainer® Belt Tracking Idlers Slide-lers® Dura-Sleeve™
ASGCO® distributes heavy duty conveyor pulleys, including drum pulleys, wing pulleys, turbine pulleys, engineered pulleys, and special construction pulleys.

ASGCO® partners with the best manufacturers in the industry to meet 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, Dodge® or Superior.

**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**
Heavy duty 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, SOT (static conductive/oil resistant/flame resistant) and many other lagging products are also available.
- Vulcanized Rubber Lagging
- Ceramic Lagging
- VC-Lagg (Vulcanized Ceramic Lagging)

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**Conveyor Load Zone Support**
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:
- Absorbs Impact and Can Really Take the Shock of Large Material
- Available in Either Standard or Mine Duty

**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.

**Tri-Seal™, Multi-Seal™, Dura-Seal™ (ORG), B&R Dura Seal™, and SX3™ Skirtboard Sealing Compounds**

**Conveyor Skirting and Dust Control**
ASGCO®’s Skirt 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

**Standard Double Clamp-Mount™** - Helps eliminate spillage and dust in the conveyor transfer point. Installs easily and allows for one person to replace or reposition skirt rubber.

**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.

**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.

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

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

Primary Belt Cleaners

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

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

Secondary Belt Cleaners

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

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

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

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.

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.

The Importance of Belt Cleaners

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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.

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.

Screw Conveyors

Bucket Elevators

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

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

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

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, 1,800, 1,600 and 1,200 RPM
- Single voltage, 460 volt
- 100-200 HP: TEFC enclosure, Rigid base
- 250-600 HP: TEFC enclosure, Rigid base
- 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 / 10:1 VT (100-200 HP)
- Suitable for 50 Hz operation with 1.0 SF (100-150 HP)
- 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 Hannifin PREtech 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

Rock Crusher Motors
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
- EISA-Compliant - high efficiency (250-600 HP)
- Inverter ready, 4:1 CT / 10:1 VT (100-200 HP)
- Suitable for 50 Hz operation with 1.0 SF (100-150 HP)

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
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.

**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

**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
- MAXUM® XTR Concentric Speed Reducers
- CST™ (Controlled Start Transmissions)
- MAGNAEVAR XTR

**Mounted Bearings**

- Mounted Ball Bearings
- Mounted Tapered Roller Bearings
- Mounted Spherical Roller Bearings
- Mounted Pfan Bearings
- Hydrodynamic Bearings
- Take-Up Frames

**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 - 3,600, 1,600 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
- Rigid base
- Premium efficiency (100-200 HP)
- EISA-Compliant - high efficiency (250-600 HP)
- Inverter ready, 4:1 CT / 10:1 VT (100-200 HP)
- Suitable for 50 hz operation with 1.0 SF (100-150 HP)

**Rock Crusher Motors**

- 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
  - EISA-Compliant - high efficiency (250-600 HP)
  - Inverter ready, 4:1 CT / 10:1 VT (100-200 HP)
  - Suitable for 50 hz operation with 1.0 SF (100-150 HP)

**Modular DR Series**

- Motor System:
  - Power range: Standard motors: 0.12 to 268 HP
  - Energy efficient motors: 1 to 268 HP
  - Compact design saves space and costs
  - Configuration of all motor variants from just one series
  - Very simple configuration and ordering
  - Integration means reduced costs for energy-efficient motors
    - Energy-efficient motors in efficiency classes: Standard Efficiency, High Efficiency, Premium Efficiency
  - Choice of different brake sizes means reduced costs:
    - up to three brake sizes for each motor size
    - Future-proof - meets environmental protection (standards)
    - The bullpin encoder is fully integrated into the motor
  - Even more options, even fewer restrictions

**Timken Spherical Roller Bearing Solid-Block Housed Units**

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.

**Hyundai Motors**

Rigid Base Motors
Rock Crusher Motors
SEW Modular Motors
Motor Controls
Gear Reducers

**SEW-Eurodrive**

As a world leader in drive technology, SEW-EURODRIVE has established a reputation for quickly solving the most difficult power transmission and motion control challenges.

**Hyundai Motors**

Rigid Base Motors
Rock Crusher Motors
SEW Modular Motors
Motor Controls
Gear Reducers

**Timken Bearings**

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Increase performance and durability / Decrease overall cost of ownership.
Primary Belt 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.

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® HD - 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.

Secondary Belt Cleaners

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.

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

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 as a belt design of either double or single leg construction. Designed to economically handle free flowing grain type products.

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.

Screw Conveyors
Bucket Elevator

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
• Screw Conveyors
• Shaftless Screw Conveyors
• Bucket Elevators
• Vertical Screw Elevators
• Drag Conveyors
• Modular Plastic Conveyor Screws
• General Material Handling

A conveyor screw 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.
ASGCO® distributes 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
Heavy duty 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, SPU (static conductive/oil resistant/flame resistant) and many other lagging products are also available.
- Vulcanized Rubber Lagging
- Ceramic Lagging
- VC-Lagg (Vulcanized Ceramic Lagging)

ASGCO® partners with the best manufacturers in the industry to meet 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, Dodge® or Superior.

LOAD ZONES, SKIRTING AND DUST CONTROL
Conveyor Load Zone Support
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:
- Absorbs Impact and Can Really Take the Shock of Large Material
- Available in Either Standard or Mine Duty

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.

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.

Conveyor Skirting and Dust Control
ASGCO’s Skirt 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

Standard Double Clamp-Mount™ - Helps eliminate spillage and dust in the conveyor transfer point. 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™ (ORG), B&R Dura Seal™, and SX3™ Skirtboard Sealing Compounds

Pro-Zone™ Skirting - Our adjustable skirtboard sealing compounds stop fines and dust from escaping the load zone. They work great in above and below ground mining.
Super-Screw® Conveyor Belt Lacing

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.

Additional 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 installation
- rubber corresponding to the various conveyor quality: wear, oil or fire-resistant or white FDA.
- 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 side 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.

High Quality Skiving Tool
- with 4 Heat Settings

Super Screws 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

Features and Benefits:
- Continuous Alignment reduces edge damage
- Heavy-Duty Patented Design
- Reactivably 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® 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.

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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.

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

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.

Tru-Trainer® Conveyor Belt Tracking Idlers

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- Continuous Alignment reduces edge damage
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- Reactionary 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.

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- Excellent for Reversing Belt Applications.

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Syntron® Idlers
Martin® Idlers
Superior® Idlers

Tough Construction for Tough Applications

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.

All Syntron® idlers conform with OSHA operational safety standards.

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.

Mechanical Fastener Solutions
for all your Conveyor Needs.

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 90º 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.

- 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

- 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

- 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

- 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

Fastener Systems

MECHANICAL FASTENERS

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

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.

Mechanical Fastener Solutions

Fastener systems for heavy-duty applications:

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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 90º 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.

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Fastener Metals include: Steel, Stainless Steel, MegAlloy®, RustAlloy®, Everdur and Promal.

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 turnaround 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

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.

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.

www.asgco.com | 800.344.4000

www.asgco.com | 800.344.4000
Power-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.

- 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

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
- Overhaul conveyors

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.

- Excellent oil resistance to reduce cracking and aging
- Available in either standard ply or straight warp carcasses

**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
- Renove 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.

**Fourthane® Product Line:**
- Fourthane® Red: Repair rubber conveyor belt coverings
- Fourthane® Green Line: Quick & efficient formula
- Fourthane® Blue Line: Plastic welding reparation
- Fourthane® Orange Line: Quick-off-road tires repair
- Fourthane® Grey Line: Multi-purpose reparations
- Fourthane® Yellow Line: Cut detector antenna

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

**Grinding/Cleaning old rubber out of damaged conveyor belt.**
Applying cleaner and primer.
Finished, longitudinal groove repaired.
CONVEYOR BELTING

ASGCO® stocks over 150,000 Ft. of conveyor belting, offering the most complete conveyor product range in the market for aggregate quarries, cement, bulk shipping terminals, recycling, minerals, power and pulp and paper facilities.

ASGCO® is one of the largest stocking distributors of conveyor belt in the 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 become more efficient, safe and productive.

Quarry-Flex®

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

Quarry-Duty™

Quarry-Duty™ beltcases are distinguishable from the competition by their high adhesion, lower elongation and field performance. Our compounds have been engineered for higher abrasion resistance 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

Super-K™ Heat Belt

Super-K™ Heat Belt is designed for high temperature applications as seen in the cement manufacturing process, refineries, ash handling, fertilizers and other demanding environment, high temperature applications.

• Single unit warp fabric that is woven with DuPont Kevlar® reinforcement
• Unique combination of quality high temperature resistant EPDM (HT2™) cover compounds
• Rubber covers are capable of withstanding elevated temperatures of +700°F
• Longer resistance to cracking and hardening

VIBRATING FEEDERS

Heavy-Duty Vibrating Feeders and Replacement Parts

Syntron® Heavy-Duty Vibrating Feeders

Syntron® Vibrating Feeders for heavy industry 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.

Syntron® Heavy-Duty Electromagnetic Feeders

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 - 0.80 inches: New "HP" units operate at .080" at 3600 VPM to provide 40% more output than traditional units at .060".

Syntron® F-Series

The high-capacity performers

Syntron® MF Heavy-Duty Electromechanical Feeders

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.

Syntron® MF 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 loaded or empty
**WEAR PARTS**

### Wear Liners for Bulk Material Handling Conveyor Systems

**Armorite**

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

**X-Wear Ceramic Liners**

Available in ½”, 1” or 2” ceramic.

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

**X-Wear Urethane Magnetic Liners** - We manufacture magnetic 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.

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

**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.

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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 service; we deliver solutions.

IMPROVING SAFETY

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.

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 bucker up bar to prevent rolling.
- Available in ¼" and ⅜" channel in 4ft strips
- Durometer 82
- Abrasion Resistant
- Resists cuts and tears
- Impact Resistant
- Less Maintenance
- Easy Installation

Avoid unnecessary equipment damage and prevent the dry vibrators from bottoming out if the bucker bar is too tight. Provide us access to take measurements and we will use our team of experienced professionals to custom design a solution for you.

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!

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.”

MAXIMIZING EFFICIENCY

INCREASING PRODUCTIVITY

FOCUSED ON SOLUTIONS

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.

THE FUTURE

ASGCO® continues to strive to make the handling of bulk materials cleaner, safer, and more productive. 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.

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. Our team is always ready. All you need to do is ask ASGCO®!

SCREENS

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.

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Conveyor Products, Systems and Services