Belt Cleaners

Providing the World Bulk Material Handling Industry with Productive, Safe and Reliable “Complete Conveyor Solutions.”

Primary & Secondary Belt Cleaners
INDUSTRY APPLICATIONS

Primary Belt Cleaners

Secondary Belt Cleaners

OUR PROMISE...
 Applies to every sheet, every time.
 Always there 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.
SECONDARY CONVEYOR BELT CLEANERS

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

Maximum Belt Speed: 1000 ft/min (5.0 inches)
Applications: Underground Mining, Coal Preparation Plants
CEMA Class 3

Dry Wipe Belt Cleaner
- Removes excess water to ensure a dry carry side of the belt down the belt line.
- Available with Bulbup, Duospring® or Air-Shock® Tensioning Systems

Maximum Belt Speed: 1000 ft/min (5.0 inches)
Applications: Underground Mining, Coal Preparation Plants
CEMA Class 3

Vibrating Dribble Chute
- Vibrating chute keeps material moving and accumulations from clogging chute and burrowing cleaners.
- Rubber lined “vibration” bracket protects chute by transferring vibration to liner, avoiding metal fatigue.
- Low-friction UHMW lining promotes material flow without accumulation and cuts build up.
- Rugged vibrator provides precise performance - 115 Volt 60HZ Single Phase (with switchbox)
- Electric Vibrator provides 480 VAC of Force with durable performance.

Maximum Belt Speed: 1000 ft/min (5.0 inches)
Applications: Underground Mining, Coal Preparation Plants

V-Plow XD®, Hinged V-Plow® & Diagonal Plow Belt Cleaners
- V-Plow XD® is a patent pending design for tough mine duty applications that can be flipped to maximize results.
- Hinged V-Plow® is a patented “hinged” design for low, tight clearance applications.
- Diagonal Plow discharges material from one side of the belt.
- Available with rubber or urethane plow material

Maximum Belt Speed: 1000 ft/min (5.0 inches)
Applications: Coal-Fired Power Plants, Hard Rock Mining, Underground Mining, Coal Preparation Plants, Steel Mills, Iron Ore, Aggregate, Metal (Non-ferrous), Mining, Minerals (Pinephires, Potash, Salt Mines), Bulk Slipping Terminals
CEMA Class 3

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The Importance of Belt Cleaners
At AGSCO®, we recognize that conveyors are the product delivery system to any plant. It is important that all conveyor systems run efficiently in moving your products from one production unit to the next without failure or any unscheduled downtime.

Cleaning Systems Approach:
- Cleaners work more efficiently in a system
- A system is multiple cleaners of any brand or type
- Belt life is better with multiple lightly loaded cleaners rather than one overloaded cleaner
- A single cleaner is false economy
- Adding water to the system will improve performance up to 75%

Primary / Secondary Belt Cleaners
We generally recommend multiple belt cleaners be installed to provide effective cleaning on a conveyor system.

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

Secondary Cleaners
Installed after the belt leaves the head (discharge) pulley and/or anywhere on the return side of the belt to effectively remove the remainder of the material that has passed by the pre-cleaner.

Our Guideline for Effective Belt Cleaners Are:
- Design for optimum clean with the least amount of pressure
- Position the blade out of the main flow of the material
- If possible, install the belt cleaners in the main chute or an area that will be easily cleaned and maintained
- Primary blades should be no more than the width of the material being conveyed
- Engineered and designed to handle “worst case” conditions
- Designed for ease of maintenance
- Quick and simple replacement blade change
- Tensioner maintains tension throughout the life of the blade
- Inspection doors are critical to safely inspect and maintain belt cleaning systems
**Skalper® Belt Cleaner**
- Skalper® (patented) one pass blade maintains an effective cleaning edge throughout the life of the belt
- S-Z Torque (patented) tension style tensioning system provides a consistent tension throughout the life of the belt
- Slub-Wear Indicator allows you to monitor slub wear without strung down for inspection

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

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

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**Razor-Back® MDX Belt Cleaner**
- ForkFlex™ (patent pending) impact absorbing rubber and spring-of-launched tensioning cushions maintain a constant effective force between the belt cleaner and the conveyor belt
- Available with replaceable MDX®-V Tips for vulcanized conveyor belts or MDX® C-Tips for conveyor belts with mechanical fasteners
- Slide-out service cartridge allows for easy service and inspection
- Available with Bolt-Up®, Spring-Shoc® or Anti-Shoc® Tensioning Systems

**TORO® Belt Cleaner**
- Effective flexible belt cleaner that accommodates varying conveyor belt systems
- Available with replaceable V-Tips for vulcanized conveyor belts or C-Tips or F-Tips for conveyor belts with mechanical fasteners
- Slide-out service cartridge allows for easy service and inspection
- Available with Bolt-Up®, Duo-Spring® or Anti-Shoc® Tensioning Systems

**Wash Box™ Belt Cleaning System**
- Complete belt cleaning system that incorporates a series of spray bars, belt cleaners and pressure/deflection rolls to maximize the effectiveness and virtually eliminate all carry-back
- Fully enclosed system that contains the wash waste fluid and carry-back
- Large removable service doors allow the system to be easily inspected and service
- Can be customized to meet exact application needs

**Chevron™ Belt Cleaner System**
- Bolt-Up Style Mounting allows for easy adjustment up and down allowing cleaner pitch to be set with the turn of a wrench.
- Patented convexus shaped rubber discs perform a sweeping action to clean chernon, mined top or grooved conveyor belts.
- Unique rotary fingers remove the carry-back and is designed to work only when the conveyor belt is running.
- Easily serviced and no motion, air nozzles or other problematic equipment to maintain

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[www.ssgco.com](http://www.ssgco.com) | 800.344.4000
BC-2® Belt Cleaner

- High Belt Cleaning Efficiency. The over-lapping tungsten carbide blades and the constant tension provided by the patented stainless steel spring self-tensioning arm assembly.
- Made for Mining & Tough Applications. Our heavy duty 2-1/8" corrosion resistant zinc coated (Made in the USA) steel mounting tube and stainless steel spring self-tensioning arm and blades provide constant cleaning without the rust ofchipped powder coating.
- Flexible Configuration. Engineered to be installed in different configurations and angle gives the option to locate the blades directly on the bottom of the head pulley.

Maximum Belt Speed = 800 ft/min (4 m/min)
Applications: Aggregate, Cement, Hard Rock Mining, Coal, Food Power Plants, Steel Mills, Iron Ore, and Mixed Mining
CEMA Class 4

Razor-Back® Belt Cleaner

- Impact absorbing, self-tensioning cushions allow each blade to flex individually and allow a more consistent effective tension against the conveyor belt.
- Slide-out service carriage allows for easy service and inspection.
- Available with Buck-up® “Dura-Spring” or Air-Shoc® Tensioning Systems.
- Available with optional water spray.

Maximum Belt Speed = 1000 ft/min (5 m/min)
Applications: Coal, Food Power Plants, Hard Rock Mining, Steel Mills, Iron Ore, Aggregates and Minerals (Phosphate, Pulp & Paper, Salt Mining)
CEMA Class 2 - Buck-up® / Class 4 Spring-Shoc®

Razor-Back® Retractable System

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

Maximum Belt Speed = 1000 ft/min (5 m/min)
Applications: Coal Feed Power Plants, Hard Rock Mining, Steel Mills, Iron Ore, Aggregates and Minerals (Phosphate, Pulp & Paper, Salt Mining)
CEMA Class 4

E-Z Skalper® Belt Cleaner

- E-Z Skalper® (patented) one-piece blade maintains an effective cleaning edge throughout the life of the blades.
- Available with either the E-Z Torque® (patented) tension style tensioner or the Force-1™ tensioning system.
- Blade-Weir Indicator allows you to monitor blade wear easily without having to shut the system down for inspection.

Maximum Belt Speed = 1000 ft/min (5 m/min)
CEMA Class 4

Pit-Skalper® Belt Cleaner

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

Maximum Belt Speed = 250 ft/min (0.5 m/min)
Applications: Aggregate, Ready Mix, Asphalt, Recycling, Sand and Gravel
CEMA Class 3

Mini-Skalper® Belt Cleaner

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

Maximum Belt Speed = 350 ft/min (1.1 m/min)
Applications: Aggregate, Sand & Gravel, Ready Mix and Asphalt, Cement, Wood Processing & Recycling
CEMA Class 3

Excalibur® Food Grade Conveyor Belt Cleaner

- Sanitary and safe lightweight.
- Works great on flexible modular plies; tank top conveyor belting.
- Features a unique blade, holder and tensioning mechanism.
- Snap-on/off conveyor belt scraper blade.
- FDA/USDA compliant material.

Water Connection 1” - 8” (25mm - 200mm)
Applications: Sand, Sizing, Feed and Fluffy, and Food Processing Industry (FDA industry)
CEMA Class 2

Replacement Belts & Components
01. UHMW Bear
02. UHMW Long Neck
03. UHMW Blue
04. Hy-Bril® Black
05. Hard Black Mix
### PRIMARY BELT CLEANERS

Primary belt cleaners are installed at the 0° clock position on the face of the head pulley, referred to as the primary position. It should be mounted below the intake flow of the material being discharged from the belt.

These are the most common types of belt cleaner:

<table>
<thead>
<tr>
<th>Pre-Cleaner</th>
<th>Mini-Skelp®</th>
<th>Skelp®</th>
<th>E-Z-Skelp®</th>
<th>Super-Skelp®</th>
<th>Skelp® M3®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belt Width</td>
<td>15&quot;-48&quot;</td>
<td>15&quot;-48&quot;</td>
<td>15&quot;-48&quot;</td>
<td>30&quot;-48&quot;</td>
<td>30&quot;-48&quot;</td>
</tr>
<tr>
<td>Belt Speed</td>
<td>&lt; 600 btu</td>
<td>&lt; 1000 btu</td>
<td>&lt; 1000 btu</td>
<td>&lt; 1200 btu</td>
<td>&lt; 1200 btu</td>
</tr>
<tr>
<td>Hose Diameter</td>
<td>1.25&quot;</td>
<td>1.25&quot;-4&quot;</td>
<td>1.25&quot;-4&quot;</td>
<td>2.0&quot;</td>
<td>3.0&quot;</td>
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<tr>
<td>Primary Tensioners</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Air-Shoe® (Primary)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>Spring-Shoe® (Primary)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>YES</td>
</tr>
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</table>

**Skelp® Blades**

<table>
<thead>
<tr>
<th>Skelp® Blade Materials</th>
<th>Blade Type</th>
<th>General Use</th>
<th>Ultra High Tensile</th>
<th>Abrasion Resistant</th>
<th>Resist</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Belt Speed</td>
<td>&lt; 1000 btu</td>
<td>&lt; 1000 btu</td>
<td>&lt; 1200 btu</td>
<td>&lt; 1200 btu</td>
<td>&lt; 1500 btu</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-20°F to 180°F</td>
<td>-20°F to 180°F</td>
<td>-20°F to 180°F</td>
<td>-20°F to 180°F</td>
<td>-20°F to 180°F</td>
</tr>
<tr>
<td>Use with, Finish</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

### SECONDARY BELT CLEANERS

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

### Secondary Cleaners

<table>
<thead>
<tr>
<th>Secondary Cleaners</th>
<th>TOR®</th>
<th>Razer-Back®</th>
<th>Razer-Back M3®</th>
<th>Chevr®</th>
<th>BC-3®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belt Width</td>
<td>15&quot;</td>
<td>15&quot;-48&quot;</td>
<td>15&quot;-48&quot;</td>
<td>15&quot;</td>
<td>15&quot;-48&quot;</td>
</tr>
<tr>
<td>Belt Speed</td>
<td>&lt; 600 btu</td>
<td>&lt; 1000 btu</td>
<td>&lt; 1000 btu</td>
<td>&lt; 1500 btu</td>
<td>&lt; 530 btu</td>
</tr>
<tr>
<td>Primary Tensioners</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
</tr>
<tr>
<td>Spring-Back®</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
</tr>
<tr>
<td>Air-Shoe® M3®</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Spring-Shoe® (Primary)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Secondary Blade Material</td>
<td>Tor®</td>
<td>TOR®</td>
<td>TOR®</td>
<td>TOR®</td>
<td>TOR®</td>
</tr>
<tr>
<td>Secondary Blades</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
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</tbody>
</table>

**Secondary Blades**

<table>
<thead>
<tr>
<th>Blades Material</th>
<th>Blade Type</th>
<th>General Use</th>
<th>Ultra High Tensile</th>
<th>Abrasion Resistant</th>
<th>Resist</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Belt Width</td>
<td>&lt; 1000 btu</td>
<td>&lt; 1000 btu</td>
<td>&lt; 1000 btu</td>
<td>&lt; 1000 btu</td>
<td>&lt; 1500 btu</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-20°F to 180°F</td>
<td>-20°F to 180°F</td>
<td>-20°F to 180°F</td>
<td>-20°F to 180°F</td>
<td>-20°F to 180°F</td>
</tr>
<tr>
<td>Use with, Finish</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>
PRIMARY BELT CLEANERS

Primary belt cleaners are installed at the 9 o'clock position on the face of the head pulley, referred to as the primary position. It should be mounted below the (1) theyarase of the material being discharged from the belt. These are the most common type of belt cleaner.

<table>
<thead>
<tr>
<th>Pre-Cleaner</th>
<th>Mini-Skålper®</th>
<th>Skålper®</th>
<th>E-Z Skålper®</th>
<th>Super-Skålper®</th>
<th>Skålper® MDC®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belt Width</td>
<td>15-48&quot;</td>
<td>40-120&quot;</td>
<td>40-120&quot;</td>
<td>40-240&quot;</td>
<td>40-240&quot;</td>
</tr>
<tr>
<td>Belt Speed</td>
<td>&lt; 100 ft/min</td>
<td>&lt; 100 ft/min</td>
<td>&lt; 100 ft/min</td>
<td>&lt; 200 ft/min</td>
<td>&lt; 200 ft/min</td>
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<tr>
<td>Heat Ply Diameter</td>
<td>1.27&quot;</td>
<td>10.64 mm</td>
<td>19.05 mm</td>
<td>9.53 mm</td>
<td>6.35 mm</td>
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<tr>
<td>Primary Tensioners</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fore®</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
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<tr>
<td>Airl-Side® (Promax)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>YES</td>
<td>YES</td>
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<tr>
<td>Spring-Steel® (Promax)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>YES</td>
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<tr>
<td>Off-Or-Susceptible Belt®</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Blade Material</td>
<td></td>
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<tr>
<td>Skålper® T1®</td>
<td>YES</td>
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<td>YES</td>
<td>YES</td>
<td>YES</td>
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<tr>
<td>Skålper® T2®</td>
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<td>NA</td>
<td>NO</td>
<td>NO</td>
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<td>Skålper® T3®</td>
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<td>Skålper® T4®</td>
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<td>Skålper® T5®</td>
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<td>YES</td>
<td>YES</td>
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<td>YES</td>
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<tr>
<td>Skålper® T6®</td>
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<td>NO</td>
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<td>NO</td>
<td>NO</td>
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<tr>
<td>Skålper® T7®</td>
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<td>YES</td>
<td>YES</td>
<td>YES</td>
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<tr>
<td>Skålper® T8®</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
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<tr>
<td>Skålper® T9®</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
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</table>

Secondary Belt Cleaners are installed after the point where the belt leaves the (1) discharge pulley) and around the return side of the belt where it can be cleaned and maintained effectively.

<table>
<thead>
<tr>
<th>Secondary Cleaners</th>
<th>TORO®</th>
<th>Razor-Back®</th>
<th>Razor-Back® MDC®</th>
<th>Cleaver®</th>
<th>BCC®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belt Width</td>
<td>15-48&quot;</td>
<td>40-120&quot;</td>
<td>40-120&quot;</td>
<td>40-120&quot;</td>
<td></td>
</tr>
<tr>
<td>Belt Speed</td>
<td>&lt; 100 ft/min</td>
<td>&lt; 100 ft/min</td>
<td>&lt; 100 ft/min</td>
<td>&lt; 100 ft/min</td>
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<tr>
<td>Heat Ply Diameter</td>
<td>19.05 mm</td>
<td>19.05 mm</td>
<td>19.05 mm</td>
<td>19.05 mm</td>
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<tr>
<td>Secondary Tensioners</td>
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<tr>
<td>Belt-Cut®</td>
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<td>YES</td>
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<tr>
<td>Snag-Strip®</td>
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<tr>
<td>Snap-Back® MDC®</td>
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<td>NO</td>
<td>NO</td>
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<tr>
<td>Air-Blow® MDC®</td>
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<td>NA</td>
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<tr>
<td>Spring-Steel® MDC®</td>
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<td>NO</td>
<td>YES</td>
<td>NA</td>
<td>NA</td>
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<tr>
<td>Belt-Deflection</td>
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<tr>
<td>Off-Or-Susceptible Belt®</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Blade Material</td>
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<tr>
<td>TORO® + T1®</td>
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<td>TORO® + T2®</td>
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<td>NA</td>
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<td>TORO® + T3®</td>
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Primary Mounting Bracket Options:
- [ ] Plastic-Mounted (plastic fastened)
- [ ] Snap-Back® MDC® (plastic fastened)
- [ ] Aluminum Tensioner
- [ ] Stainless Steel Tensioner + 4" 4-Way Angle Bracket
- [ ] Cleaver® (plastic fastened)
- [ ] 4-Way Angle Bracket
- [ ] 4-Way Angle Bracket with Tensioning options
- [ ] All 4-Way Angle Bracket with Tensioning options
- [ ] 4-Way Angle Bracket with Tensioning options
- [ ] Cleaver® (plastic fastened)
- [ ] All 4-Way Angle Bracket with Tensioning options
- [ ] 4-Way Angle Bracket with Tensioning options
- [ ] Cleaver® (plastic fastened)
- [ ] All 4-Way Angle Bracket with Tensioning options

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SECONDARY BELT CLEANERS

BC-2 Belt Cleaner
- High Belt Cleaning Efficiency. The overlapping tungsten carbide blades and the constant tension provided by the patented steel spring self-tensioning arm assembly.
- Made for Mining and Rough Applications. Our heavy duty 2-1/8" corrosion resistant zinc coated (Moly in the USA) self tensioning tube and stainless steel spring self-tensioning arms and blades provide constant cleaning without the rust of stripped powder coating.
- Flexible Configuration. Engineered to be installed in different configurations and allow you the option to locate the blades directly on the bottom of the head pulley.

Razor-Back® Belt Cleaner
- Impact absorbing, self-tensioning cushions allow each blade to flex individually and allow a more constant effective tension against the conveyor belt.
- Slide-out service carriage allows for easy service and inspection.
- Available with ruck-a-Duck™ or Air-Shoc™ Tensioning Systems.
- Available with optional water spray.

Razor-Back® Retractable System
- Longwearing Abrasion Resistant. Tungsten carbide blades are designed to maintain a great cleaning edge against the conveyor belt.
- Quick-Change™ slide-out mounting system allows for simple removal of the carbides from one side of the conveyor system, without having to break the plane of the conveyor structure, or having to remove mounting brackets or the main mounting tube.
- Compact Design — allows for an installation that requires less than 9° of clearance to be installed and maintained.

E-Z Skalper® Belt Cleaner
- E-Z Skalper® (patented) one-piece blade maintains an effective cleaning edge throughout the life of the blade.
- Available with either the E-Z Torque® (patented) tension style or the Force-1™ tensioning system.
- Blade Wear Indicator allows you to monitor blade wear easily without having to shut the system down for inspection.

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

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

Excailbur® Food Grade Conveyor Belt Cleaner
- Sanitary and safe lightweight.
- Works great on flexible modular planks: tables, top conveyor belting.
- Features a unique blade, holter and tensioning mechanism.
- Snap-off conveyor belt scraper blade.
- FDA/USDA compliant materials.

Primary Belt Cleaner

Maximum Belt Speed = 1000 fps (6.6 m/s)
Polyester 850° F (38° C) to 800° F (430° C)

CEMA Class 4

Maximum Belt Speed = 500 fps (3.5 m/s)
Polyester 850° F (38° C) to 800° F (430° C)
Applications: Aggregates, Ready Mix, Asphalt, Recycling, Sand and Gravel.

CEMA Class 3

Maximum Belt Speed = 480 fps (3.2 m/s)
Polyester 850° F (38° C) to 850° F (410° C)
Applications: Aggregates, Sand & Gravel, Ready Mix, Asphalt.

CEMA Class 3

Maximum Belt Speed = 1000 fps (6.6 m/s)
Polyester 850° F (38° C) to 800° F (430° C)
Applications: Aggregates, Ready Mix, Asphalt, Recycling, Sand and Gravel.

CEMA Class 4

Replacement Tension Strap O-Ring
- 30L Whirlpool
- 32L Whirlpool Long Neck
- 33L Whirlpool Blue
- 34L Hyd Black
- 35L Hyd Black

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CAMEL® 42

CAMEL® 42

CAMEL® 42

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**Primary Belt Cleaners**

- **Skalper® Belt Cleaner**
  - Skalper® (patented) one-piece blades maintain an effective cleaning edge throughout the life of the blade.
  - E-Z Torque® (patented) tension style tennising system provides a consistent tension throughout the life of the blade.
  - Sliver-Wear Indicator allows you to monitor blades wear without removing them for inspection.

- **Super-Skalper® HD Belt Cleaner**
  - One Piece Single Mounting Tube for new robust, enhanced HD E-Z Torque® tensioner.
  - E-Z Torque® HD Tensioner is patented, made of all 316 stainless steel mounting plates, collars and springs allows the blades to self adjust throughout the entire life of the blade.
  - Optional Ceramic (XC) beaded blade available for high speed high tonnage conveyor systems.

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

**Secondary Belt Cleaners**

- **Razor-Back® MDX Belt Cleaner**
  - Floyd/Flex® (patent pending) impact absorbing rubber and spring backed tensioning cushions maintain a constant effective force between the belt cleaner and the conveyor belt.
  - Available with replaceable MDX® V-Tips for vulcanized conveyor belts or MDX® C-Tips for conveyor belts with mechanical fasteners.
  - Slide-out service cartridge allows for easy service and inspection.
  - Available with Bob-Up®, VR-Shoc™ or VR-Shoc™ Tensioning Systems.

- **TORO® Belt Cleaner**
  - Effective flexible belt cleaner that can accommodate reversing conveyor belt systems.
  - Available with replaceable V-Tips for vulcanized conveyor belts or C-Tips or F-Tips for conveyor belts with mechanical fasteners.
  - Slide-out service cartridges allows for easy service and inspection.
  - Available with Bob-Up®, Duo-Spring™ or VR-Shoc™ Tensioning Systems.

- **Wash Box® Belt Cleaning System**
  - Complete belt cleaning system that incorporates a series of spray bars, belt cleaners and pressure/deflection rolls to maximize the effectiveness and virtually eliminate all carry-back.
  - Fully enclosed system that contains the wash waste fluid and carry-back.
  - Large removable service doors allow the system to be easily inspected and serviced.
  - Can be customized to meet exact application needs.

- **Chevron® Belt Cleaner System**
  - Bob-Up® Style Mounting allows for easy adjustment up and down allowing cleaner pitch to be set with the turn of a wrench.
  - Patented concave shaped rubber discs perform a sweeping action to clean chaff, mixed top or grooved conveyor belts.
  - Unique rotary fingers remove the carry-back and is designed to work only when the conveyor belt is running.
  - Easily serviced and no motors, air nozzles or other problematic equipment to maintain.

For more information, please visit [www.ssgco.com](http://www.ssgco.com) or call 800.344.4000.
SECONDARY CONVEYOR BELT CLEANERS

U-Blade Belt Cleaner
- Removes excess water to ensure a dry carry side of the belt down the belt line.
- Tensioned by two air cylinders to assure equal and constant blade pressure, reducing maintenance and ensuring high cleaning efficiency throughout the life of the blade.
- Flexible two-sided, dual durometers blades to give you twice the blade life.
  Maximum Belt Speed: 1000 fpm (0.5 in/sec)
  Applications: Underground Mining, Coal Preparation Plants
  CEMA Class 3

Dry Wipe Belt Cleaner
- Removes excess water to ensure a dry carry side of the belt down the belt line.
- Available with Bothup, Duo-Spring® or Air-Shoc® Tensioning Systems.
  Maximum Belt Speed: 1000 fpm (0.5 in/sec)
  Applications: Underground Mining, Coal Preparation Plants
  CEMA Class 3

Vibrating Dribble Chute
- Vibrating four keeps material moving and accumulations from clogging chute and causing cloggers,:
- Rubber lined “installation” bracket protects chute by transferring vibration to liner, avoiding metal fatigue.
- Low-Friction UHMW-PE promotes material flow without accumulation and cuts build-up.
- Rugged vibrator provides precise performance at 115 Volt 60HZ Single Phase (with switchbox).
  Electric Vibrator provides 480 lbs of Force with durable performance.
  Maximum Belt Speed: 1000 fpm (0.5 in/sec)
  Applications: Underground Mining, Coal Preparation Plants

V-Plow XD®, Hinged V-Plow® & Diagonal Plow Belt Cleaners
- V-Plow XD® is a patented pending design for tough mine duty applications that can be flipped to maximize results.
- Hinged V-Plow® is a patented “hinged” design for low, tight clearance applications.
- Diagonal Plow discharges material from one side of the belt.
  Available with rubber or unhardened plow material.
  Maximum Belt Speed: 1000 fpm (0.5 in/sec)
  Applications: Coal Feed Power Plants, Hard Rock Mining, Underground Mining, Coal Preparation Plants, Steel Mills, Iron Ore, Agglomeration, Metals (Iron/Steel) Mining, Minerals (Phosphates, Potash, Salt, Mining), Bulk Shipping Terminals
  CEMA Class 3

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The Importance of Belt Cleaners
At ASSCO® we recognize that conveyors are the product delivery to any plant. It is important that all conveyor systems run efficiently in moving your products from one production unit to the next without failure or any unscheduled downtime.

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

Primary / Secondary Belt Cleaners
We generally recommend multiple belt cleaners be installed to provide effective cleaning on a conveyor system.

Primary or Pre-Cleaners
Installed on the face of the head pulley at any point. It should be mounted directly below the trajectory flow of the material being discharged from the belt.

Secondary Cleaners
Installed at the tail end of the conveyor system to provide effective cleaning on the return side of the belt.

Our Guideline for Effective Belt Cleaners Are:
- Design for optimum clean with the least amount of pressure.
- Position the blades out of the main flow of the material.
- If possible, install the belt cleaners in the main chute or an area that will be easily cleaned and maintained.
- Primary blades should be no more than twice the width of the material being conveyed.

Selecting the Proper Belt Cleaner:
- Space Available.
- Volumetric or mechanical belt bend.
- Diameter of the head pulley.
- Material and temperature of product being conveyed.
- Belt speed.
- Location available for proper installation.
- Location off any dribble chute.
- Moisture Content.
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 high-quality products and services; we deliver solutions.

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.

MAXIMIZING EFFICIENCY

INCREASING PRODUCTIVITY

IMPROVING SAFETY

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.

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. Ask us to do what you need to do, and we'll get it done.

OUR PROMISE...

Applies to every sheet, every time. Always there 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.

INDUSTRY APPLICATIONS

Primary Belt Cleaners

Super-Strip® Primary Belt Cleaner

Shaper® Primary Belt Cleaner

Secondary Belt Cleaners

Walt-Strip® Secondary Belt Cleaning System

Chark® Single Shaft Secondary Belt Cleaner

Razor-Back® Secondary Belt Cleaner
Belt Cleaners

Providing the World Bulk Material Handling Industry with Productive, Safe and Reliable “Complete Conveyor Solutions.”

Primary & Secondary Belt Cleaners