ASGCO® PRIMARY BELT CLEANING SYSTEMS

Skalper® Belt Cleaner

Maximum Belt Speed = 1000 fpm (5.0 miles/sec)
Pulley Diameter = 12” - 36” (300 - 900mm)
Applications = Coal Fired Power Plants, Hard Rock Mining, Steel Mills, Iron Ore, Aggregate and Mineral (Phosphates, Potash, Salt) Mining

Super-Skalper® Belt Cleaner

Maximum Belt Speed = 1200 fpm (6.0 miles/sec)
Pulley Diameter = 20” - 40” (500 - 1000mm)
Applications = Underground Mining, Hard Rock Mining, Metals (copper/nickel) Mining, Steel Mills, Iron Ore, Bulk Shipping Terminals, Coal Fired Power Plants

Skalper MDX® Belt Cleaner

Maximum Belt Speed = 1800 fpm (9.0 miles/sec)
Pulley Diameter = 16” - 36” (400 - 900mm)
Applications = Underground Mining, Hard Rock Mining, Oils Sands Mining, Metals (copper/nickel) Mining, Steel Mills, Iron Ore, Bulk Shipping Terminals

E-Z Skalper® Belt Cleaner

Maximum Belt Speed = 1000 fpm (5.0 miles/sec)
Pulley Diameter = 12” - 20” (300 - 500mm)

Skalper III® w/Force-1® Belt Cleaner

Maximum Belt Speed = 1800 fpm (9.0 miles/sec)
Pulley Diameter = 16” - 36” (400 - 900mm)
Applications = Aggregate, Sand & Gravel, Red-Mix and Asphalt, Cement, Wood Processing Recycling

Mini-Skalper® Belt Cleaner

Maximum Belt Speed = 1000 fpm (5.0 miles/sec)
Pulley Diameter = 10” - 20” (250 - 500mm)
Applications = Aggregate, Sand & Gravel, Red-Mix and Asphalt, Cement, Wood Processing Recycling

Pit-Skalper® Belt Cleaner

Maximum Belt Speed = 6000 fpm (3.0 miles/sec)
Pulley Diameter = 10” - 20” (250 - 500mm)
Applications = Aggregate, Red-Mix, Asphalt, Recycling, Sand and Gravel

PRIMARY BELT CLEANERS & BLADES

Made in the USA

Need Solutions...to improve efficiency, safety and productivity? ask... ASGCO®

www.asgco.com | 610.821.0216 | 800.344.4000

©2019 ASGCO® “Complete Conveyor Solutions” | 301 Gordon Street Allentown, PA 18102 | T 800.344.4000 | T 610.821.0216 | F 610.778.8001 | info@asgco.com
BIGGER. STRONGER. MORE DURABLE.

**Material Path**

ASGC® our line of pre-cleaners come with the ability to match the blade to the material path to minimize the blade wear and reduce frequent retensioning and the need for replacement. Our standard blades come Belt Width minus 6” or can be customized to fit your exact material path.

**E-Z Torque** Tensioning System Provides Constant Tension!

The E-Z Torque tensioners allow for more degrees of rotation, which allows the blade to maintain more tension to the conveyor belt as the blade wears. ASGC®’s E-Z Torque tensioners for primary belt cleaners offer full blade life with the least amount of maintenance. Tension degree marks are provided to easily maintain proper cleaner blade tension as well as providing a means to check proper tension.

**Blade Angle of Attack**

A flat pulley surface side of the blade ensures a sharp point of contact and material clearance. ASGC®’s patented Skalper Blade design maintains an effective cleaning edge throughout the life of the blade with its unique horizontal sipes/wear-grooves across the entire width of the blade cleaning edge and by use of the arc-shaped back side of the blade to ensure a sharp cleaning edge.

**Stronger Mounting Tubes**

ASGC®’s primary belt cleaner’s mounting tube is equal to or in most cases exceeds the bending point of the competition.

In use with our E-Z Torque line of tensioners, our larger mounting tube can eliminate twisting, providing a tension that is distributed evenly across the cleaner blade width along with even wear on the blade, helping to reduce carry-back. An increased Outside Diameter of the tube as well as a Schedule 80 wall thickness, provides a 125% stronger mounting tube than the competition, reducing the tendency of the tube bending over time.

**Compare to the Competition.**

**Types of Primary Belt Cleaner Replacement Blades**

ASGC® offers replacement belt cleaner blades for belt cleaning systems from many other manufacturers. Color-coded urethane matches performance to conditions. ASGC® is the leader in the development of high-performance urethanes for specialized belt cleaner / belt scraper applications. These color-coded urethane blades can be supplied for any ASGC® primary cleaner, as well as any primary cleaner supplied by many other manufacturers. All of our blades are backed up with our “Total Satisfaction Guarantee.”

**HIGH PERFORMANCE URETHANE BLADES**

**Skalper® Blade Options**

*Skalper® IV - Rod Blades - Most abrasion and impact resistant urethane available. 82 Durometer.*

*Skalper® HT - Black Blades - Suitable for high temperature applications and exposure to intermittent temperatures up to 230°F (110°C). 82 Durometer.*

*Skalper® IV - Blue Blades - General duty belt cleaner applications for standard conditions. 82 Durometer.*

*Skalper® IV - Gray Blades - Suitable for very abrasive applications and high speed conveyor belts over 800 fpm. 82 Durometer.*

*Skalper® Air - Brown Blades - Improved resistance to chemicals, acids and caustics; reduced absorption of water in high humidity environments. 82 Durometer.*

*Available with standard or customizing.*

**ASGC® Urethane Outperforms Them All**

ASGC® urethane primary belt cleaner blades are manufactured onsite in our Urethane Department. ASGC® provides one of the most reliable, longer lasting blades in the industry today. Our urethane compound blades exceed most other competitors’ blades in tensile strength and most importantly in DIN Abrasion, which is used to test the wear characteristics of urethane compounds in the industry.

**Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Skalper IV</th>
<th>Competitor Blade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength @ Break, psi</td>
<td>17200</td>
<td>1746</td>
</tr>
<tr>
<td>Tensile Elongation @ Break, %</td>
<td>936</td>
<td>926</td>
</tr>
<tr>
<td>50% Modulus, psi</td>
<td>723</td>
<td>884</td>
</tr>
<tr>
<td>20% Modulus, psi</td>
<td>910</td>
<td>1034</td>
</tr>
<tr>
<td>5% Modulus, psi</td>
<td>605</td>
<td>1145</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.286</td>
<td>1.278</td>
</tr>
<tr>
<td>Shore A</td>
<td>93</td>
<td>93</td>
</tr>
<tr>
<td>Polymer Modification</td>
<td>70111</td>
<td>70111</td>
</tr>
</tbody>
</table>

More than 3 times the life of the competition!

**Biggest and Most Abrasion Resistant Blade in Class**

**Blade Life = Volume x Wear Resistance**

<table>
<thead>
<tr>
<th>Cleaner Type</th>
<th>Usable Blade Area (cross section)</th>
<th>Usable Blade Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skalper IV</td>
<td>5.75 in²</td>
<td>160 in³</td>
</tr>
<tr>
<td>Compellor #1</td>
<td>4.20 in²</td>
<td>117.6 in³</td>
</tr>
<tr>
<td>Compellor #2</td>
<td>3.00 in²</td>
<td>84 in³</td>
</tr>
<tr>
<td>Compellor #3</td>
<td>5.50 in²</td>
<td>154 in³</td>
</tr>
<tr>
<td>Compellor #4</td>
<td>3.06 in²</td>
<td>85.7 in³</td>
</tr>
</tbody>
</table>

*Made in the USA for our customers.*

www.asgco.com | 800.344.4000
ASGCO® PRIMARY BELT CLEANING SYSTEMS

Skalper® Belt Cleaner
- Maximum Belt Speed: 10000 ft/min (5.0 miles/hr)
- Pulley Diameter: 12" - 36" (300 - 900 mm)
- Applications: Coal Fired Power Plants, Hard Rock Mining, Steel Mills, Iron Ore, Aggregate and Mineral (Phosphates, Potash, Salt) Mining

Super-Skalper® Belt Cleaner
- Maximum Belt Speed: 12000 ft/min (6.0 miles/hr)
- Pulley Diameter: 20" - 60" (500 - 1500 mm)
- Applications: Underground Mining, Hard Rock Mining, Cement, Steel Mills, Iron Ore, Bulk Shipping Terminals, Coal Fired Power Plants

Super-Skalper® HD Belt Cleaner
- Maximum Belt Speed: 12000 ft/min (6.0 miles/hr)
- Pulley Diameter: 20" - 60" (500 - 1500 mm)
- Applications: Underground Mining, Hard Rock Mining, Cement, Steel Mills, Iron Ore, Bulk Shipping Terminals, Coal Fired Power Plants

Skalper MDX® Belt Cleaner
- Maximum Belt Speed: 12000 ft/min (6.0 miles/hr)
- Pulley Diameter: 20" - 60" (500 - 1500 mm)
- Applications: Underground Mining, Hard Rock Mining, Oil Sands Mining, Metals (Copper/Nickel) Mining, Steel Mills, Iron Ore, Bulk Shipping Terminals

E-Z Skalper® Belt Cleaner
- Maximum Belt Speed: 10000 ft/min (5.0 miles/hr)
- Pulley Diameter: 12" - 36" (300 - 900 mm)

Skalper III® w/Force-1® Belt Cleaner
- Maximum Belt Speed: 7000 ft/min (3.5 miles/hr)
- Pulley Diameter: 12" - 36" (300 - 900 mm)
- Applications: Aggregate, Sand & Gravel, Rock-Mix and Asphalt, Cement, Wood Processing, Recycling

Mini-Skalper® Belt Cleaner
- Maximum Belt Speed: 5000 ft/min (2.5 miles/hr)
- Pulley Diameter: 8" - 22" (200 - 550 mm)
- Applications: Aggregate, Sand & Gravel, Rock-Mix and Asphalt, Cement, Wood Processing, Recycling

Pit-Skalper® Belt Cleaner
- Maximum Belt Speed: 8000 ft/min (4.0 miles/hr)
- Pulley Diameter: 10" - 20" (250 - 500 mm)
- Applications: Aggregate, Rock-Mix, Asphalt, Recycling, Sand & Gravel

ASGCO® PRIMARY BELT CLEANERS & BLADES
Made in the USA

Need Solutions... to improve efficiency, safety and productivity? ask... ASGCO®
www.asgco.com  |  610.821.0216  |  800.344.4000
**BIGGER, STRONGER, MORE DURABLE.**

**Material Path**

AI ASGCO®, our line of pre-cleaners come with the ability to match the blade to the material path to minimize the blade wear and reduce frequent retensioning and the need for replacement. Our standard blades come Belt Width minus 6” or can be customized to fit your exact material path.

**E-Z Torque® Tensioning System Provides Constant Tension!**

The E-Z Torque® Tensioner allows for more degrees of rotation, which allows the blade to maintain more tension to the conveyor belt as the blade wears. ASGCO®'s E-Z Torque® tensioners for primary belt cleaners offer full blade life with the least amount of maintenance. Tension degree marks are provided to easily maintain proper cleaner blade tension as well as providing a means to check proper tension.

**Blade Angle of Attack**

A flat pulley surface side of the blade ensures a sharp point of contact and material clearance. ASGCO®'s patented Skaler® Blade design maintains an effective cleaning edge throughout the life of the blade with its unique horizontal sipes/wear-grooves across the entire width of the blade cleaning edge and by the use of the arc-shaped back side of the blade to ensure a sharp cleaning edge.

**Stronger Mounting Tubes**

ASGCO®'s primary belt cleaner's mounting tube is equal to or in most cases exceeds the bending point of the competition.

In use with our E-Z Torque® line of tensioners, our larger mounting tube can eliminate twisting, providing a tension that is distributed evenly across the cleaner blade width along with even wear on the blade, helping to reduce carry-back.

An increased Outside Diameter of the tube as well as a Schedule 80 wall thickness, provides a **125% stronger mounting tube** than the competition, reducing the tendency of the tube bending over time.

**Bigger, More Aggressive**

- **Self-Sharpening**
- **Minimal Belt Contact**
- Less Abrasion between Blade and Belt
- Less Chance of Blade Feathering

**Best Choice**

Only Recommended for Feeder or Flat Conveyors

Not Recommended! Blade will not wear on the sides that are not in the material path.

**Types of Primary Belt Cleaner Replacement Blades**

ASGCO® offers replacement belt cleaner blades for belt cleaning systems from many other manufacturers. Color-coded urethane matches performance to conditions. ASGCO® is the leader in the development of high-performance urethanes for specialized belt cleaner / belt scraper applications. These color-coded urethane blades can be supplied for any ASGCO® primary cleaner, as well as any primary cleaner supplied by many other manufacturers. And all of our blades are backed up with our “Total Satisfaction Guarantee”.

**HIGH PERFORMANCE URETHANE BLADES**

**Skaler® Blade Options**

- **SKALPER IV - Red Blades - Most abrasion and impact resistant urethane available:** 62 Duro
- **SKALPER H4 - Blue Blades - General duty belt cleaner applications for conditions:** 62 Duro
- **SKALPER H5 - Gray Blades - Suitable for very abrasive applications and high speed conveyor belts over 800 fpm:** 60 Duro
- **SKALPER H6 - Black Blades - Suitable for high temperature applications and exposure to intermittent temperatures up to 250°F:** 82 Duro
- **SKALPER H7 - White Blades - Suitable for use at high temperature applications and exposure to intermittent temperatures up to 350°F:** 90 Duro

*Available in both standard (10’ and 14’) and custom lengths.

**ASGCO® Urethane Outperforms Them All**

ASGCO® urethane primary belt cleaner blades are manufactured onsite in our Urethane Department. ASGCO® provides one of the most reliable, longer lasting blades in the industry today. Our urethane compound blades exceed most other competitors’ blades in tensile strength and most importantly in DIN Abrasion, which is used to test the wear characteristics of urethane compounds in the industry.

**Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Skaler IV</th>
<th>Competitor Blade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength, psi</td>
<td>4369</td>
<td>1748</td>
</tr>
<tr>
<td>Tensile Elongation @ Break, %</td>
<td>726</td>
<td>904</td>
</tr>
<tr>
<td>100% Modulus, psi</td>
<td>723</td>
<td>884</td>
</tr>
<tr>
<td>20% Modulus, psi</td>
<td>910</td>
<td>1037</td>
</tr>
<tr>
<td>5% Modulus, psi</td>
<td>1192</td>
<td>1140</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.256</td>
<td>1.218</td>
</tr>
<tr>
<td>Fahrenheit A</td>
<td>83</td>
<td>83</td>
</tr>
<tr>
<td>Polymer Modification</td>
<td>721</td>
<td>721</td>
</tr>
</tbody>
</table>

More than **3 times the life of the competitor!**

**Biggest and Most Abrasion Resistant Blade in Class**

<table>
<thead>
<tr>
<th>Cleaner Type</th>
<th>Usable Blade Area (cross section)</th>
<th>Usable Blade Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skaler IV</td>
<td>5.75 in²</td>
<td>160 in³</td>
</tr>
<tr>
<td>Competitor #1</td>
<td>4.20 in²</td>
<td>117.6 in³</td>
</tr>
<tr>
<td>Competitor #2</td>
<td>3.00 in²</td>
<td>84 in³</td>
</tr>
<tr>
<td>Competitor #3</td>
<td>5.50 in²</td>
<td>154 in³</td>
</tr>
<tr>
<td>Competitor #4</td>
<td>3.06 in²</td>
<td>85.7 in³</td>
</tr>
</tbody>
</table>

*Matching blades by Acorn Development Labs.
The above are the numbers for the blades with the same profile.