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CONVEYOR IDLERS

Lean Manufacturing For Higher Quality Products at Faster Lead Times

BENEFITS

» Annually, our components are installed on 1,000+ Superior brand conveyors
» SpinGuard® Seal Technology offers bullet proof bearing protection
» Powder coat paint offers long-lasting, color-durable finish

SPECIFICATIONS

» Bearing Sizes: 17mm - 60mm
» Diameters: 4” - 8” (101mm - 203mm)
» Belt Widths: 24” - 120” (609mm - 3,048mm)
» Single or double tube designs
» Stainless steel shaft and frame upgrades
MANUFACTURING LOCATIONS

STOCKING LOCATIONS

POWDER COAT PAINT
ONGOING IDLER TESTING
LEAN MANUFACTURING

Superior Industries
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>CLASS</th>
<th>BEARING</th>
<th>DIAMETER inch (mm)</th>
<th>SHELL THICKNESS inch (mm)</th>
<th>BELT WIDTH inch (mm)</th>
<th>TUBE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEMA B</td>
<td>17mm</td>
<td>4&quot;, 5&quot; (101, 127)</td>
<td>1/8&quot;, 5/32&quot; (3.1, 3.9)</td>
<td>18&quot; - 48&quot; (457 - 1,219)</td>
<td>Single</td>
</tr>
<tr>
<td>CEMA C</td>
<td>20mm</td>
<td>4&quot;, 5&quot;, 6&quot; (101, 127, 152)</td>
<td>1/8&quot;, 5/32&quot;, 3/16&quot; (3.1, 3.9, 4.7)</td>
<td>18&quot; - 60&quot; (457 - 1,524)</td>
<td>Single</td>
</tr>
<tr>
<td>CEMA D</td>
<td>25mm</td>
<td>5&quot;, 6&quot; (127, 152)</td>
<td>5/32&quot;, 3/16&quot; (3.9, 4.7)</td>
<td>24&quot; - 72&quot; (609 - 1,828)</td>
<td>Single</td>
</tr>
<tr>
<td>DX</td>
<td>30mm</td>
<td>5&quot;, 6&quot; (127, 152)</td>
<td>1/4&quot; (6.3)</td>
<td>30&quot; - 72&quot; (762 - 1,828)</td>
<td>Single</td>
</tr>
<tr>
<td>CEMA E</td>
<td>40mm</td>
<td>6&quot;, 7&quot; (152, 177)</td>
<td>1/4&quot; (6.3)</td>
<td>36&quot; - 96&quot; (914 - 2,438)</td>
<td>Single</td>
</tr>
<tr>
<td>40DT</td>
<td>40mm</td>
<td>6&quot;, 7&quot; (152, 177)</td>
<td>1/4&quot; x 2 (6.3 x 2)</td>
<td>36&quot; - 72&quot; (914 - 1,828)</td>
<td>Double</td>
</tr>
<tr>
<td>45DT</td>
<td>45mm</td>
<td>6&quot;, 7&quot;, 7.5&quot; (152, 177, 190)</td>
<td>1/4&quot; x 2 (6.3 x 2)</td>
<td>54&quot; - 108&quot; (1,371 - 2,743)</td>
<td>Double</td>
</tr>
<tr>
<td>CEMA F</td>
<td>50mm</td>
<td>7&quot;, 8&quot; (177, 203)</td>
<td>1/2&quot;, 3/4&quot; (12.7, 19.0)</td>
<td>42&quot; - 120&quot; (1,066 - 3,048)</td>
<td>Single</td>
</tr>
<tr>
<td>50DT</td>
<td>50mm</td>
<td>7&quot;, 8&quot; (177, 203)</td>
<td>1/4&quot; x 2 (6.3 x 2)</td>
<td>42&quot; - 120&quot; (1,066 - 3,048)</td>
<td>Double</td>
</tr>
<tr>
<td>60DT</td>
<td>60mm</td>
<td>7&quot;, 8&quot; (177, 203)</td>
<td>1/4&quot; x 2 (6.3 x 2)</td>
<td>60&quot; - 120&quot; (1,524 - 3,048)</td>
<td>Double</td>
</tr>
</tbody>
</table>

### TROUHING / CARRY IDLER STYLES

- Equal Troughing
- Moxie® Rolls
- Unequal Troughing
- CB504 Series
- Feeder/Picking
- Channel Mount Low Profile
- Impact
- Off Center Roll
- Wire Rope
- Variable Pitch
- Self-Aligner
- Steel Flat Carrier
- Rubber Flat Carrier
- Beater Bar Return Rolls
- Urathon Beater Roll
- Standard Mount
- Inboard Mount

### RETURN / BOTTOM IDLER STYLES

- Return Roll
- Urathon® Return Roll
- Spiral Urathon® Return Roll
- Rubber Disc Return
- Navigator® Return Trainer
- Self-Aligner Return
- V-Return
- Garland
- Live Shaft Roller
SPINGUARD SEAL TECHNOLOGY

01/ FLAT SURFACE
Material will not build up across the flat end disc surface.

02/ STATIONARY EXTERNAL SEAL
Helps prevent material pinch points between the frame and the end of the roller.

03/ CENTRIFUGAL FORCE CHAMBER
Creates a self-cleaning flinger effect, keeping water and dirt out.

04/ CONTACT SEAL
First line of defense against contaminants is the contact seal, which creates less drag than a rubber seal.

05/ TRIPLE LABYRINTH SEAL
Second line of defense, which makes contaminants travel a longer distance. The labyrinth is also grease filled to keep contaminants away from the ball bearing. The durable seal material is less susceptible to corrosion.

06/ BALL BEARING
Factory sealed metric ball bearing on all CEMA rated idlers.

IDLER STAND FEATURES

01/ Open end base allows access for single or double bolt holes.
02/ No fugitive material pinch points between roll and frame.
03/ Narrow roll gap eliminates pinch point, which damages belt.
04/ Non-clogging center stands.
05/ Base angle sheds material and prevents build-up.

IDLER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Class</th>
<th>Bearing Size</th>
<th>Diameter</th>
<th>Thickness</th>
<th>Belt Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEMA B</td>
<td>17 mm</td>
<td>4&quot;, 5&quot;</td>
<td>11, 9 Ga</td>
<td>18&quot; - 48&quot;</td>
</tr>
<tr>
<td>CEMA C</td>
<td>20 mm</td>
<td>4&quot;, 5&quot;, 6&quot;</td>
<td>11, 9, 7 Ga</td>
<td>18&quot; - 60&quot;</td>
</tr>
<tr>
<td>CEMA D</td>
<td>25 mm</td>
<td>5&quot;, 6&quot;</td>
<td>9, 7 Ga</td>
<td>24&quot; - 72&quot;</td>
</tr>
<tr>
<td>CEMA E</td>
<td>40 mm</td>
<td>6&quot;, 7&quot;</td>
<td>1/4&quot;</td>
<td>36&quot; - 96&quot;</td>
</tr>
<tr>
<td>CEMA F</td>
<td>50 mm</td>
<td>7&quot;, 8&quot;</td>
<td>1/2&quot; or 3/4&quot;</td>
<td>42&quot; - 120&quot;</td>
</tr>
</tbody>
</table>
DX IDLERS

» 1/4” (6mm) shell for increased roll life.
» Premium 30mm bearing for heavy-duty alternative to CEMA D.
» Seal resists moisture and harmful contaminants.

DOUBLE TUBE (DT) IDLER

» Increased rigidity with inner and outer tube.
» Inner tube insulates bearing from vibration.
» 20% higher load rating than CEMA.
» As outer shell wears, inner tube maintains integrity.
» Premium bearing for heavy-duty applications.
» Trusted by largest producers in the world:

HIGH PERFORMANCE RUBBER IMPACT IDLERS

» Shock absorbing rubber vulcanized directly to roll.
» Extend belt life in load zones.
» Special rubber can remain in operation until fully worn.
» No tire slippage common to rubber tires.
» Premium bearing for heavy-duty applications.
PART NUMBER GUIDE

Example: C6-35E-36

<table>
<thead>
<tr>
<th>CEMA Rating</th>
<th>Roll Diameter</th>
<th>Troughing Angle</th>
<th>Idler Type</th>
<th>Belt Width</th>
</tr>
</thead>
</table>

**IDLER TYPES**

- **E** Troughing Idler Equal Length Rolls
- **EI** Rubber Cushion Troughing Idler
- **EA** Self-Aligner
- **BA** Bi-Directional Aligning Idler
- **RET** Return Idler
- **FLT** Flat Carrier Idler
- **FLTI** Flat Carrier Rubber Cushion Idler
- **RETI** Return Rubber Cushion Idler
- **RETV** Urathon® Return
- **RETA** Return Self-Aligning Idler Roll
- **RETAI** Return Self-Aligning Rubber Cushion Idler
- **RETU** Urathon® Return Roll
- **RETV** V-Return Idler
- **P** Picking Idler Length Rolls
- **U** Troughing Idler Unequal Length Rolls
- **CM** Low-Profile Channel Mount Idler
- **CMI** Channel Mount Impact Low Profile Idler
- **SM** Low-Profile Standard Mount Idler
- **SMI** Standard Mount Impact Low Profile Idler
- **GO** Offset Troughing Idler
- **EW** Wire Rope Idler
- **VPE** Variable Pitch Idler
- **MOX** Moxie® Roll
- **CB** CB504 Series
- **LS** Live Shaft
- **LSB** Live Shaft Beater

**CUSTOM DESIGNED IDLERS**

In 40+ years of manufacturing conveyor idlers, we’ve built a treasure trove of unique designs. If you have a special application or constantly fight disruption and maintenance using standard designs, we encourage you to contact us. Here is just a small sampling of some of our custom engineering and manufacturing.

- Lower Channel Idler
- High Angle Conveyor Pressure Idler
- No Center Shift Idler Roller
- Assembly For Pipe Conveyor
- One Way Belt, Low Profile Idler
- Graduated Impact Bed
- Wire Rope Trainer
- Steep Troughing Idler
- 20’-35’ Impact Low Profile Idler
- Impact Center On Modular Bed
- Cleated Belt Roller
- Urethane Stub Roller
- Deep Angle, Extra Long Idler
- Adjustable Wing Roller Bed
- Heavy Duty V-Return Idler
MOXIE® ROLLS

Shed Sticky Material, Prevent Buildup on Rolls, Maintain Accurate Belt Tracking

**BENEFITS**
- Lubricity sheds sticky material, preventing belt mistracking
- Special composite blend material resists corrosion
- Lightweight material weighs up to 50% less than steel idlers
- At least 3X quieter than steel rolls

**SPECIFICATIONS**
- CEMA Classes: C and D
- Diameters: 5” and 6” (127mm and 152mm)
- Belt Widths: 24” - 72” (609mm - 1,828mm)
- Stainless steel shaft and frame upgrades
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>CLASS</th>
<th>BEARING</th>
<th>DIAMETER (inch (mm))</th>
<th>SHELL THICKNESS (inch (mm))</th>
<th>BELT WIDTH (inch (mm))</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEMA C</td>
<td>20mm</td>
<td>5” or 6” (127 or 152)</td>
<td>1/2” or 1” (12 or 25)</td>
<td>18” - 60” (457 - 1,524)</td>
</tr>
<tr>
<td>CEMA D</td>
<td>25mm</td>
<td>5” or 6” (127 or 152)</td>
<td>1/2” or 1” (12 or 25)</td>
<td>24” - 72” (609 - 1,828)</td>
</tr>
</tbody>
</table>

### PHOTO GALLERY

* For return Moxie rolls, substitute troughing angle with “RET.”

### PART NUMBER GUIDE

**Example: C5-35E-36MOX**

- **CEMA Rating**
- **Roll Diameter**
- **Troughing Angle**
- **Belt Width**
- **Idler Type**

#### UPGRADE TO STAINLESS STEEL FRAMES

1/2” (13 mm) Thick Shell  
1” (25 mm) Thick Shell

5” (127mm) OR 6” (152mm) DIAMETERS
NAVIGATOR® RETURN TRAINER

Constantly Working to Maintain Proper Belt Tracking

BENEFITS

» Continuous belt alignment extends belt life
» No damaging side contact, which can deteriorate belt
» Replaceable flange mount bearings clear of material
» Rubber lagging sheds material
» Large diameter roll for longer service life

SPECIFICATIONS

» Diameters: 7” and 10” (177mm - 254mm)
» Lagging: Add 3/4” (19mm) to diameter
» Belt Widths: 24” - 72” (609mm - 1,828mm)
» Model for bidirectional conveyor belts
» Adjustable Mounting Brackets

INTERNAL FLANGE MOUNT BEARINGS
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>DIAMETER (inch (mm))</th>
<th>LAGGING (inch (mm))</th>
<th>BELT WIDTH (inch (mm))</th>
<th>DROP BRACKETS (inch (mm))</th>
<th>BIDIRECTIONAL MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot; (177)</td>
<td>3/4&quot; (19)</td>
<td>24&quot; - 36&quot; (609 - 914)</td>
<td>1.5&quot; or 4.5&quot; (38 or 114)</td>
<td>Yes</td>
</tr>
<tr>
<td>10&quot; (254)</td>
<td>3/4&quot; (19)</td>
<td>42&quot; - 72&quot; (1,066 - 1,828)</td>
<td>1.5&quot; or 4.5&quot; (38 or 114)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

## PART NUMBER GUIDE

Example: **NAV-36** or **NAV-36LAG**

### PHOTO GALLERY
URATHON® RETURN ROLLS

Avoid Material Build-Up on Conveyor Return Rolls

**BENEFITS**

» Non-Stick properties of urethane reject sticky material

» In-House urethane production improves consistency and quality control

» Lasts at least 3X longer than steel or rubber rolls

» Upgrade to spiral model to add belt cleaning capabilities

» Lessens maintenance costs and reduces operations downtime

**SPECIFICATIONS**

» CEMA Classes: B, C, D and E

» Diameters: 5” - 7” (127mm - 177mm)

» Belt Widths: 18” - 96” (457mm - 2,438mm)
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>CLASS</th>
<th>BEARING</th>
<th>DIAMETER</th>
<th>BELT WIDTH</th>
<th>SPIRAL OPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEMA B</td>
<td>17mm</td>
<td>5” (127)</td>
<td>18” - 48” (457 - 1,219)</td>
<td>No</td>
</tr>
<tr>
<td>CEMA C</td>
<td>20mm</td>
<td>5” or 6” (127 or 152)</td>
<td>18” - 60” (457 - 1,524)</td>
<td>6” Diameter (152)</td>
</tr>
<tr>
<td>CEMA D</td>
<td>25mm</td>
<td>5” or 6” (127 or 152)</td>
<td>18” - 72” (457 - 1,828)</td>
<td>6” Diameter (152)</td>
</tr>
<tr>
<td>CEMA E</td>
<td>40mm</td>
<td>6” or 7” (152 or 177)</td>
<td>36” - 96” (914 - 2,438)</td>
<td>6” Diameter (152)</td>
</tr>
</tbody>
</table>

* Spiral option is only available in 6” diameter (152 mm)

**PART NUMBER GUIDE**

Example: **C5-RETU-36**

- **CEMA Rating**
- **Roll Diameter**
- **Idler Type**
- **Belt Width**

**PHOTO GALLERY**
URATHON® BEATER ROLLS

Cost-Effectively Shake Off Carryback Material

**BENEFITS**
- Maintenance free lobed discs cause light vibration
- Carryback material dislodges from bottom side of belting
- Purchase as individual discs or complete, pre-assembled idler
- Ideal installation above stockpile, screen or bin

**SPECIFICATIONS**
- CEMA Classes: C and D
- Diameters: 4" - 6" (101mm - 152mm)
- Belt Widths: 18" - 72" (457mm - 1,828mm)
### Specifications

<table>
<thead>
<tr>
<th>Class</th>
<th>Roll Diameter inch (mm)</th>
<th>Disc Diameter inch (mm)</th>
<th>Belt Width inch (mm)</th>
<th>Number of Discs (inch (mm))</th>
<th>Disc Width inch (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEMA C</td>
<td>4&quot;, 5&quot;, or 6&quot; (101, 127, or 152)</td>
<td>7.5&quot;, 9.5&quot;, or 10.5&quot; (190, 241, or 266)</td>
<td>18&quot; - 60&quot; (457 - 1,524)</td>
<td>One every 9&quot; - 12&quot; (228 - 304)</td>
<td>3.5&quot; (88)</td>
</tr>
<tr>
<td>CEMA D</td>
<td>4&quot;, 5&quot;, or 6&quot; (101, 127, or 152)</td>
<td>7.5&quot;, 9.5&quot;, or 10.5&quot; (190, 241, or 266)</td>
<td>18&quot; - 72&quot; (457 - 1,828)</td>
<td>One every 9&quot; - 12&quot; (228 - 304)</td>
<td>3.5&quot; (88)</td>
</tr>
</tbody>
</table>

### Part Number Guide

Example: **C5-RETUB-42**

- **CEMA Rating**
- **Roll Diameter**
- **Idler Type**
- **Belt Width**

### Photo Gallery

- **Easily slide disc onto return roller**
- **Standard hose clamp secures disc**
RUBBER RETURN ROLLS
Cost Effective, Material Shedding Idler Return Rolls

BENEFITS
» Rubber has a longer wear life than steel
» Reducing the time needed for replacement and maintenance

DISC STYLE
» CEMA Classes: B, C, D and E
» Diameters: 4” - 7” (101mm - 177mm)
» Belt Widths: 18” - 96” (457mm - 2,438mm)

LAGGED STYLE
» CEMA Classes: B, C, D and E
» Diameters: 4” - 7” (101mm - 177mm)
» Rubber Thickness: 1/2” or 1” (12mm - 25mm)
» Belt Widths: 18” - 96” (457mm - 2,438mm)

RUBBER DISC OR LAGGED OPTION
BEATER BAR RETURN ROLLS
Vibration Created When Roller Beats Belt Removes Carryback

BENEFITS
» Rods create beating motion to remove carryback material
» Gaps in roll allow material to escape
» Live shaft supports belt loads and extends bearing life
» Works perfectly with cleated belts

SPECIFICATIONS
» Shaft Size: 1-7/16” or 1-15/16” (36mm or 49mm)
» Diameters: 5” or 6” (127mm or 152mm)
» Belt Widths: 18” - 72” (457mm - 1,828mm)
SELF-ALIGNING IDLERS

Economic Belt Tracking Tool in Troughing or Return Side Options

BENEFITS
» Mistracking causes idler to steer or pivot
» Pivoting idler shift belt into proper tracking
» Concave-shaped guide rollers restrain belt from running up
» Rollers made from high-grade urethane
» Urethane side guide rollers are softer on belting

SPECIFICATIONS
» CEMA Classes: B, C, D, E and F
» Diameters: 4” - 7” (101mm - 177mm)
» Belt Widths: 18” - 96” (457mm - 2,438mm)
» Available for bi-directional belts
81/91 SERIES REGREASABLE IDLER
Stops Invading Water Damage

**BENEFITS**
- Grease prevents water from invading bearing
- One side grease release for quick maintenance
- Special inner seal prevents grease from reaching inside of roll

**SPECIFICATIONS**
- CEMA Classes: C (81) and D (91)
- Diameters: 4” - 6” (101mm - 152mm)
- Belt Widths: 18” - 72” (457mm - 1,828mm)

**IDEAL FOR WET/DAMP CONDITIONS**
40 SERIES IDLER
Interchange with Powerscreens Rollers

**BENEFITS**
» Replacement rolls and parts for Powerscreen equipment
» Universal center stand applies to all sizes
» Separately replaceable rolls and stands
» Thick steel for long-lasting dependability

**SPECIFICATIONS**
» Diameters: 4” (101mm)
» Belt Widths: 24” - 54” (609mm - 1,371mm)
» Angles: 20°, 30°, 45° and 60°
» Made with 11 gauge steel

SUPPORTS ALL TROUGHING ANGLES
CB504 SERIES IDLER

Interchange with Marco and Cedarapids Rollers

**BENEFITS**

» Interchange with Marco and Cedarapids rollers
» Channel mount, low profile design for tight locations
» Optional rubber impact design for load zones

**SPECIFICATIONS**

» Diameters: 4” or 4-1/2” (101mm - 114mm)
» Stub Pins: 2-1/2” or 3” (63mm - 76mm)
» Belt Widths: 18” - 48” (457mm - 1,219mm)

**SEALED BEARING DESIGN**
Conveyor Pulleys

Working Together So Pulleys Are Designed Correctly For Your Applications

Benefits

- Pulley specific engineers with conveyor design experience limit misapplications
- Submerged arc welds are stronger and more precise
- Broad range of classes, styles and sizes
- Three North American and three Brazilian plants
- In-House vulcanization improves quality and lead times

Specifications

- Classes: CEMA, Mine Duty, Super Duty and Engineered
- Diameters: 4” - 98” (101mm - 2,500mm)
- Face Widths: 12” - 102” (304mm - 2,590mm)
- Shafting: Up to 23” (585 mm)
### SPECIFICATIONS

#### CONVEYOR PULLEYS

<table>
<thead>
<tr>
<th>Pulley Types</th>
<th>Pulley Diameter inch (mm)</th>
<th>Integral Hub Diameter inch (mm)</th>
<th>Face Width inch (mm)</th>
<th>Contact Bar Thickness inch (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEMA Duty Drum Pulley</td>
<td>4&quot; - 60&quot; (101 - 1,524)</td>
<td>12&quot; (304) and under</td>
<td>12&quot; - 78&quot; (304 - 1,981)</td>
<td>–</td>
</tr>
<tr>
<td>CEMA Duty Wing Pulley</td>
<td>6&quot; - 60&quot; (152 - 1,524)</td>
<td>–</td>
<td>12&quot; - 78&quot; (304 - 1,981)</td>
<td>1/4&quot; x 1-1/2&quot; min., 3/8&quot; x 1-1/2&quot;, 5/8&quot; x 1-1/2&quot;</td>
</tr>
<tr>
<td>Mine Duty 1.5 Drum Pulley</td>
<td>8&quot; - 60&quot; (203 - 1,524)</td>
<td>12&quot; (304) and under</td>
<td>12&quot; - 78&quot; (304 - 1,981)</td>
<td>–</td>
</tr>
<tr>
<td>Mine Duty 2.0 Drum Pulley</td>
<td>8&quot; - 60&quot; (203 - 1,524)</td>
<td>12&quot; (304) and under</td>
<td>12&quot; - 102&quot; (304 - 2,590)</td>
<td>–</td>
</tr>
<tr>
<td>Mine Duty 2.0 Wing Pulley</td>
<td>8&quot; - 60&quot; (203 - 1,524)</td>
<td>–</td>
<td>12&quot; - 78&quot; (304 - 1,981)</td>
<td>5/8&quot; x 1-1/2&quot; min. (15 x 38)</td>
</tr>
<tr>
<td>Super Duty Drum Pulley</td>
<td>10&quot; - 60&quot; (254 - 1,524)</td>
<td>12&quot; (304) and under</td>
<td>12&quot; - 102&quot; (304 - 2,590)</td>
<td>–</td>
</tr>
<tr>
<td>Super Duty Wing Pulley</td>
<td>10&quot; - 60&quot; (254 - 1,524)</td>
<td>–</td>
<td>12&quot; - 78&quot; (304 - 1,981)</td>
<td>3/4&quot; x 2&quot; min. (19 x 50)</td>
</tr>
<tr>
<td>CEMA Duty Chevron® Pulley</td>
<td>8&quot; - 36&quot; (203 - 914)</td>
<td>Up to 24&quot; (610)</td>
<td>12&quot; - 78&quot; (304 - 1,981)</td>
<td>1&quot; x 1/2&quot; half round bar (38)</td>
</tr>
<tr>
<td>Mine Duty Chevron® Pulley</td>
<td>12&quot; - 48&quot; (304 - 1,219)</td>
<td>Varies</td>
<td>12&quot; - 78&quot; (304 - 1,981)</td>
<td>1&quot; round bar (25)</td>
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<tr>
<td>Super Duty Chevron® Pulley</td>
<td>12&quot; - 48&quot; (304 - 1,219)</td>
<td>Varies</td>
<td>12&quot; - 78&quot; (304 - 1,981)</td>
<td>1-1/2&quot; round bar (38)</td>
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</table>

### DESIGN CLASSES

<table>
<thead>
<tr>
<th>Wing Pulleys</th>
<th>CEMA Duty</th>
<th>Mine Duty 1.5</th>
<th>Mine Duty 2.0</th>
<th>Super Duty</th>
<th>Core Systems’ Design</th>
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<tr>
<td>Drum Pulleys</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Chevron® Pulley</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
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</table>

**Design Standards**
- Load, dimensions and crown defined by ANSI B105.1
- Roughly 1.5X service factor of CEMA standard
- Roughly 2.0X service factor of CEMA standard
- Exceeds 2.0X service factor of CEMA standard
- Custom Engineered Class

**Conveyor Type**
- Light duty, portable
- Medium duty
- Heavy duty
- Extra heavy duty
- High tonnage

**Belt Style**
- Fabric
- Fabric
- Fabric
- Steel cable or fabric

**Belt Burden**
- Not started under load
- Started under moderate load
- Started under full load
- Started under full load
- Started under full load

**Starts and Stops**
- Infrequent
- Moderate
- Frequent
- Frequent
- Frequent

**Feed Characteristics**
- Uniformly loaded
- Uniformly loaded
- Non-uniformly loaded
- Non-uniformly loaded
- Non-uniformly loaded
**END DISC OPTIONS**

### CLASS ONE
**WELDED HUB**
- Standard
- Best value
- Applications without high tension

### CLASS TWO
**INTEGRAL HUB**
- 12" (305 mm) diameter and less
- Eliminates hub to end disc welds
- Optimized for XT bushings

### CLASS THREE
**PROFILE DISC**
- Solid profiled end disc
- Eliminates hub to end disc welds
- Designed for keyless locking device

### CLASS FOUR
**TURBINE END DISC**
- One piece, solid end disc
- Machined on both sides
- Typically steel cable applications

### CLASS FIVE
**T-SECTION**
- No weld at end disc
- Weld at rim, lowest stress point
- Withstands highest tensions
LAGGING OPTIONS

HERRINGBONE
» Drive pulley applications
» 3/8” (10mm) minimum thickness

CHEVRON
» Drive pulley applications
» 3/8” (10mm) minimum thickness

DIAMOND
» Bidirectional applications
» 3/8” (10mm) minimum thickness

SMOOTH
» Snub and bend pulley applications
» 3/8” (10mm) minimum thickness

RICHWOOD COMBI-LAGG®
» 5% more grip than other tiles
» 2X friction of standard lagging
» 5/8” (16mm) minimum thickness

RICHWOOD COMBI-GRIP
» Pulleys up to 475 PIW
» Water shedding grooves
» 5/8” (16mm) thickness

URETHANE
» Abrasion resistance
» Chemical resistance
» Less water absorption than rubber

RICHWOOD REDI-LAGG™
» Weld-On pulley lagging
» Same technology as Combi-Lagg
» 1/2” (13mm) minimum thickness

OTHER OPTIONS
» Abrasion resistant rubber
» Oil resistant neoprene rubber
» Anti-static, fire retardant MSHA rubber
» Custom durometers (60 is standard)
### UNIQUE PULLEYS

#### SPIRAL DRUM PULLEY

#### SPIRAL WING PULLEY

#### BELT HOLD DOWN WHEEL

#### DEAD SHAFT PULLEY

### PART NUMBER GUIDE

Example: **DCEMA-1638CFXT38H**

<table>
<thead>
<tr>
<th>Pulley Style</th>
<th>Pulley Type</th>
<th>Pulley Dia.</th>
<th>Face Width</th>
<th>Face Type</th>
<th>Hub Type</th>
<th>Bushing Size</th>
<th>Lagging Thickness</th>
<th>Lagging Type</th>
</tr>
</thead>
</table>

### PULLEY STYLES

- Drum
- Wing
- Chevron Wing

### PULLEY TYPES

- CEMA
- Mine Duty 1.5
- Mine Duty 2.0
- Super Duty
CHEVRON® PULLEY

The Original V-Shaped Pulley That Revolutionized Wing Pulleys

BENEFITS
» Sheds material better than traditional wings
» Resists wings from bending and increases belt life
» Constant contact between pulley and belt reduces noise
» Easier on mechanical belt splices

SPECIFICATIONS
» Classes: CEMA, Mine Duty and Super Duty
» Diameters: 10" - 48" (254mm - 1,219mm)
» Face Widths: 12" - 78" (304mm - 1,981mm)
» Abrasion resistant (AR) steel upgrade

UPGRADE TO ABRASION RESISTANT STEEL

Rock Face to Load Out®
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>CLASS</th>
<th>SIDE PROFILE</th>
<th>DIAMETER (inch (mm))</th>
<th>FACE WIDTH (inch (mm))</th>
<th>WING THICKNESS (inch (mm))</th>
<th>WEAR BAR THICKNESS (inch (mm))</th>
<th>WEAR BAR STYLE</th>
<th>ABRASION RESISTANCE UPGRADE</th>
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<tbody>
<tr>
<td>CEMA Duty</td>
<td></td>
<td>8&quot; - 36&quot; (203 - 914)</td>
<td>12&quot; - 78&quot; (304 - 1,981)</td>
<td>3/16&quot; or 1/4&quot; (4 or 6)</td>
<td>1-1/2&quot; (38.1) Half Round</td>
<td>1/2 Round</td>
<td>Yes</td>
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<tr>
<td>Mine Duty</td>
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<td>12&quot; - 48&quot; (304 - 1,219)</td>
<td>12&quot; - 78&quot; (304 - 1,981)</td>
<td>1/4&quot; - 5/16&quot; (6 - 8)</td>
<td>1&quot; (25.4) Round</td>
<td>Full Round</td>
<td>Yes</td>
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<tr>
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<td>1-1/2&quot; (38.1) Round</td>
<td>Full Round</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### FEATURES AND BENEFITS

**01/** V-Shape deflects material, preventing fugitive entrainment.

**02/** Reduction of trapped material extends belt and pulley service life.

**03/** Constant belt contact reduces vibration and noise by up to 50 dB.

**04/** Rounded wing cap is easier on mechanical belt splices.

**05/** Designed without center plate, which can cut belts as wings wear.

**06/** Linked wings at center removes material trapping pinch point.

**07/** AR steel option extends service life in harshest applications.

### SUPER DUTY MODEL

### PART NUMBER GUIDE

Example: CHVS-4275XT70-AR
CORE SYSTEMS® DESIGN

OEM’s Can Achieve 15-30% Savings and Increase Your Margins

**BENEFITS**

» Single source supplier of conveyor drive components
» Avoid painfully sourcing all pieces and parts on your own
» Right-sized by engineering team to guarantee functionality
» One of the largest purchasers of PT components in the world
» As a result, take advantage of our competitive pricing
» Pre-assembled packages erase hassle of on-site assembly
WHAT'S IN CORE SYSTEMS DESIGN?

1. BEARINGS
2. MOTORS
3. DRIVES
4. GEARING
5. SHAFTING
6. COUPLINGS
7. BUSHINGS
8. GUARDING
**ONE POINT OF CONTACT**
- Design and engineering
- Quoting
- Manufacturing
- Drive package assembly
- Delivery

**SUPERIOR BUYING POWER**
- Largest buyer of conveyor parts
- We pass the savings to you

**FREIGHT CONSOLIDATION**
- Consolidation of shipments
- Stocked warehouses ready for delivery
- Typical turnaround times are 3-7 days
- Optional 1-2 day expediting

**PART NUMBER CONVERSION**
- Integration with your back-end
- Convert to your system
- Allow us to do the work for you

**DRAWING SUPPORT**
- Drawings available in multiple formats
- Receive any and all drawing files

**PERFORMANCE-MATCHED**
- Properly designed for application
- Sized specifically for your conveyor
- Prevents failures and downtime

**PRE-ASSEMBLED PACKAGES**
- Eliminates assembly time and labor
- On-site assembly is confusing
CUSTOMER TESTIMONIALS

INCREASED CAPACITIES IN MINING APPLICATIONS

Large mining operations utilize custom-engineered conveyor drive packages to ensure greater production capacities and to eliminate costly downtime due to component failure.

Examples include the El Chanate Gold Mine in Sonora, Mexico, where our engineering team worked to upgrade the capacity of 22 conveyors. The new drive packages resulted in a 13% increase in production capacity. Similarly, at the Sonora, Mexico-based Piedras Verdes Gold Mine, 23 conveyors were upgraded and the operation increased its capacity by 18%.

In a coal application at the Wildcat Hills Mine in Eldorado, Illinois, the operation was challenged by inconsistent production rates. The engineering team provided new drive and pulley assemblies and worked to steady the capacity of one very critical stacking conveyor, allowing the facility to achieve a desired consistent production rate.

A MAJOR BULK MATERIAL HANDLING OPERATION

Superior recently supplied complete drive packages to Wisconsin-based Agra Industries, a company that designs and fabricates agricultural material handling and storage facilities. Agra Industries was contracted to provide the conveying systems for a new wood pellet facility at the Port of Wilmington on the North Carolina coast.

“Superior Industries has the knowledge and the experience to design the drive packages to fit the parameters that we need,” says Barry Morgan, director of projects for Agra Industries.

Morgan says that the biggest advantage is peace of mind. “I know that I will not question the reliability of these drive packages. If we had provided them ourselves, we would have had to work with at least six different suppliers to even try to match what Superior is doing for us. Plus, it would have required a lot more engineering on our end. Now, I just contact Superior and their engineers design and deliver the package, allowing our engineers to focus on other high-value projects,” he says.
EXTERRA® PRIMARY BELT CLEANER

Beefier Blade Lasts Longer Than Comparable Primary Scrapers

**BENEFITS**

» Up to 40% more urethane than other blades
» Thicker tip for more cleaning at crucial point of attack
» Economical investment known for straightforward installation and effective operation
» Set it and forget it! Upgrade to exclusive SFL technology
  » Set tension during installation of blade
  » Unique spring mechanism maintains proper tension
  » No need to reset tension until blade is replaced
  » Save maintenance time and money

**SPECIFICATIONS**

» Aggregate Duty
» Belt Widths: 18” - 72” (457mm - 1,828mm)
» Material Widths: Belt Width -2” (-51mm) or -8” (-203mm)
» Pole Lengths: 48” - 114” (1,219mm - 2,895mm)
» Optional Mounting Brackets
FEATURES

01/ Easy to adjust tensioning nut
02/ Universally-designed mounting
03/ Beefy, long lasting blade
04/ Heavy Duty mounting pole
05/ Optional upgrade to set for life tensioning

SPECIFICATIONS

<table>
<thead>
<tr>
<th>BELT WIDTHS</th>
<th>BLADE WIDTH [INCH (MM)]</th>
<th>POLE LENGTH [INCH (MM)]</th>
<th>TENSIONER QUANTITY</th>
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<tr>
<td>inch (mm)</td>
<td>Belt Width -8&quot;</td>
<td>Belt Width -2&quot;</td>
<td>Standard [inch (mm)]</td>
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<tr>
<td>24&quot; (609)</td>
<td>16&quot; (406)</td>
<td>22&quot; (558)</td>
<td>54&quot; (1,371)</td>
</tr>
<tr>
<td>30&quot; (762)</td>
<td>22&quot; (558)</td>
<td>28&quot; (711)</td>
<td>60&quot; (1,524)</td>
</tr>
<tr>
<td>36&quot; (914)</td>
<td>28&quot; (711)</td>
<td>34&quot; (863)</td>
<td>66&quot; (1,676)</td>
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<tr>
<td>42&quot; (1,066)</td>
<td>34&quot; (863)</td>
<td>40&quot; (1,016)</td>
<td>72&quot; (1,828)</td>
</tr>
<tr>
<td>48&quot; (1,219)</td>
<td>40&quot; (1,016)</td>
<td>46&quot; (1,168)</td>
<td>78&quot; (1,981)</td>
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<tr>
<td>54&quot; (1,371)</td>
<td>46&quot; (1,168)</td>
<td>52&quot; (1,320)</td>
<td>84&quot; (2,133)</td>
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<td>60&quot; (1,524)</td>
<td>52&quot; (1,320)</td>
<td>58&quot; (1,473)</td>
<td>90&quot; (2,286)</td>
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<td>66&quot; (1,676)</td>
<td>58&quot; (1,473)</td>
<td>64&quot; (1,625)</td>
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<tr>
<td>72&quot; (1,828)</td>
<td>64&quot; (1,625)</td>
<td>70&quot; (1,778)</td>
<td>102&quot; (2,590)</td>
</tr>
</tbody>
</table>

PART NUMBER GUIDE

Example: SFLP-1820481

FEATURES

01/ Easy to adjust tensioning nut
02/ Universally-designed mounting
03/ Beefy, long lasting blade
04/ Heavy Duty mounting pole
05/ Optional upgrade to set for life tensioning

36
EXTERRA® SECONDARY BELT CLEANER

Simplified Installation Cuts Valuable Maintenance Time

**BENEFITS**

» Design of positioner pin simplifies installation and replacement

» Adjustable angle for mechanical or vulcanized splices

» 3” (76mm) segments conform to belt for effective cleaning

» Tungsten carbide tips effectively remove excess material

**SPECIFICATIONS**

» Aggregate Duty

» Belt Widths: 18” - 72” (457mm - 1,828mm)

» Material Widths: Belt With -3” (-76mm)

» Pole Lengths: 48” - 114” (1,219mm - 2,895mm)

» Belt speed: up to 1,000 FPM (5.1 m/secs)
**FEATURES**

01/ 3” (76 mm) wide blade segments with tungsten carbide tips individually conform to belt for effective cleaning (solid urethane also available)

02/ Adjustable blade angle accommodates mechanical and vulcanized splices

03/ Positioner pin improves ease of installation and blade replacement
EXTERRA® REPLACEMENT BLADES

Jam Packed with More Material Where it’s Needed Most

**SUPERIOR**
Exterra® Belt Cleaner
**AREA**
8.41 in² (214 mm)

**ARGONICS**
Eraser
**AREA**
8.31 in² (211 mm)

**FLEXCO**
Con Shear
**AREA**
7.98 in² (203 mm)

**MARTIN**
Pit Viper
**AREA**
6.77 in² (172 mm)

**MARTIN**
QC#1 HD
**AREA**
6.07 in² (154 mm)

**ARCH**
Saber
**AREA**
6.41 in² (163 mm)

---

Rock Face to Load Out®
**REPLACEMENT BLADE PART NUMBERS**

**MARTIN® QC™ #1 STANDARD BELT CLEANER**

<table>
<thead>
<tr>
<th>Length inches (mm)</th>
<th>Superior Part #</th>
<th>QC #1 Part #</th>
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<tbody>
<tr>
<td>10&quot; (254)</td>
<td>07-00540-01</td>
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**MARTIN® QC™ #1 STANDARD BELT CLEANER**

<table>
<thead>
<tr>
<th>Length inches (mm)</th>
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<td>18&quot; (457)</td>
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<td>24&quot; (610)</td>
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<td>35381-4211</td>
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<tr>
<td>42&quot; (1,067)</td>
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<td>48&quot; (1,219)</td>
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<td>54&quot; (1,317)</td>
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<td>66&quot; (1,676)</td>
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**MARTIN® PV BELT CLEANER**

<table>
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<th>Length inches (mm)</th>
<th>Superior Part #</th>
<th>Pit Viper Part #</th>
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<td>18&quot; (457)</td>
<td>07-00542-03</td>
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<tr>
<td>22&quot; (559)</td>
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<tr>
<td>30&quot; (762)</td>
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<td>34&quot; (864)</td>
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<td>PV1S-36XX</td>
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<tr>
<td>36&quot; (914)</td>
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<td>40&quot; (1,016)</td>
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<td>42&quot; (1,067)</td>
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**FLEXCO EZP1 ROCKLINE® BELT CLEANER**

<table>
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<tr>
<th>Length inches (mm)</th>
<th>Superior Part #</th>
<th>Flexco Part #</th>
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### REPLACEMENT BLADE PART NUMBERS

#### ARGONICS ERASER™ BELT CLEANER

<table>
<thead>
<tr>
<th>Length (inches)</th>
<th>Superior Part #</th>
<th>Eraser Part #</th>
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<tbody>
<tr>
<td>16&quot; (406)</td>
<td>07-00540-05</td>
<td>CP-REA16M-G83</td>
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<td>22&quot; (559)</td>
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<td>CP-REA22M-G83</td>
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<td>28&quot; (711)</td>
<td>07-00542-05</td>
<td>CP-REA28M-G83</td>
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<tr>
<td>34&quot; (864)</td>
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<td>CP-REA34M-G83</td>
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<tr>
<td>40&quot; (1,016)</td>
<td>07-00544-05</td>
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<td>52&quot; (1,321)</td>
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<td>CP-REA52M-G83</td>
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#### ARGONICS MICRO ERASER™ BELT CLEANER

<table>
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#### ARCH SABER PRIMARY® BELT CLEANER

<table>
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<td>48000048</td>
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#### ARCH MINI SABER BELT CLEANER

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*Arch Part Numbers begin and end with: MCNSB000 [see above] 0TA00000000000

*Arch Part Numbers begin and end with: MCNSB000 [see above] 0TA00000000000

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Rock Face to Load Out®
COMPLETE EXTERRA PRIMARY BELT CLEANER SYSTEM

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Belt Width inches (mm)</th>
<th>Blade Length inches (mm)</th>
<th>Weight</th>
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<tr>
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<td>18&quot; (457)</td>
<td>16&quot; (406)</td>
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<tr>
<td>P-1880481</td>
<td>18&quot; (457)</td>
<td>10&quot; (254)</td>
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<tr>
<td>P-2420541</td>
<td>24&quot; (610)</td>
<td>22&quot; (559)</td>
<td>47</td>
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<td>P-2480541</td>
<td>24&quot; (610)</td>
<td>16&quot; (406)</td>
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<td>P-3020601</td>
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<td>P-3080601</td>
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<td>P-4820782</td>
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<td>P-6620962</td>
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<td>P-6680962</td>
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<td>P-7221022</td>
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<td>P-7281022</td>
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COMPLETE EXTERRA SFL DUAL BELT CLEANER SYSTEM

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<thead>
<tr>
<th>Belt Width inches (mm)</th>
<th>Blade Length inches (mm)</th>
<th>Primary Blade Only</th>
<th>D1 SFL Dual Belt Cleaner</th>
<th>D2 SFL Dual Belt Cleaner</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot; (457)</td>
<td>16&quot; (406)</td>
<td>SFLP-182048</td>
<td>SFLD1-182048T</td>
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<tr>
<td>18&quot; (457)</td>
<td>10&quot; (254)</td>
<td>SFLP-188048</td>
<td>SFLD1-188048T</td>
<td>-</td>
</tr>
<tr>
<td>24&quot; (610)</td>
<td>22&quot; (559)</td>
<td>SFLP-242054</td>
<td>SFLD1-242054T</td>
<td>-</td>
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<tr>
<td>24&quot; (610)</td>
<td>16&quot; (406)</td>
<td>SFLP-248054</td>
<td>SFLD1-248054T</td>
<td>-</td>
</tr>
<tr>
<td>30&quot; (762)</td>
<td>28&quot; (711)</td>
<td>SFLP-302060</td>
<td>SFLD1-302060T</td>
<td>SFLD2-302060T</td>
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<tr>
<td>30&quot; (762)</td>
<td>22&quot; (559)</td>
<td>SFLP-308060</td>
<td>SFLD1-308060T</td>
<td>SFLD2-308060T</td>
</tr>
<tr>
<td>36&quot; (914)</td>
<td>34&quot; (864)</td>
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<td>SFLD1-362066T</td>
<td>SFLD2-362066T</td>
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<td>28&quot; (711)</td>
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<td>SFLD1-368066T</td>
<td>SFLD2-368066T</td>
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<tr>
<td>42&quot; (1,067)</td>
<td>40&quot; (1,016)</td>
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<td>SFLD1-422072T</td>
<td>SFLD2-422072T</td>
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<td>42&quot; (1,067)</td>
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<td>SFLP-428072</td>
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<td>SFLD2-428072T</td>
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<td>48&quot; (1,219)</td>
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<td>SFLP-482078</td>
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<td>SFLD2-482078T</td>
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<td>48&quot; (1,219)</td>
<td>40&quot; (1,016)</td>
<td>SFLP-488078</td>
<td>SFLD1-488078T</td>
<td>SFLD2-488078T</td>
</tr>
<tr>
<td>54&quot; (1,371)</td>
<td>52&quot; (1,321)</td>
<td>SFLP-542084</td>
<td>SFLD1-542084T</td>
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<td>46&quot; (1,168)</td>
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<td>SFLD1-548084T</td>
<td>SFLD2-548084T</td>
</tr>
<tr>
<td>60&quot; (1,524)</td>
<td>58&quot; (1,478)</td>
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EXTERRA PRIMARY BELT CLEANER REPLACEMENT PART #

<table>
<thead>
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<th>Part Number</th>
<th>Description</th>
<th>Dimensions inches (mm)</th>
</tr>
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<tr>
<td>32-000097</td>
<td>Assembly Bracket Tensioner</td>
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<tr>
<td>32-000094</td>
<td>Bracket Non-Tensioner</td>
<td>-</td>
</tr>
<tr>
<td>13-00975</td>
<td>Pin Clip</td>
<td>5/16&quot; x 2-1/2&quot; (8 x 63)</td>
</tr>
<tr>
<td>07-00540</td>
<td>Primary Scraper Blade</td>
<td>10&quot; (254)</td>
</tr>
<tr>
<td>07-00541</td>
<td>Primary Scraper Blade</td>
<td>16&quot; (406)</td>
</tr>
<tr>
<td>07-00542</td>
<td>Primary Scraper Blade</td>
<td>22&quot; (559)</td>
</tr>
<tr>
<td>07-00543</td>
<td>Primary Scraper Blade</td>
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<td>Primary Scraper Blade</td>
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<td>Primary Scraper Blade</td>
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<td>Primary Scraper Blade</td>
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<td>Primary Scraper Blade</td>
<td>64&quot; (1,626)</td>
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<td>07-00550</td>
<td>Primary Scraper Blade</td>
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EXTERRA SFL DUAL BELT CLEANER REPLACEMENT PART #

<table>
<thead>
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<th>Description</th>
<th>Dimensions inches (mm)</th>
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<tbody>
<tr>
<td>32-000188</td>
<td>In-Field Mounting Bracket</td>
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<tr>
<td>07-10090</td>
<td>Secondary Scraper Blade - Outside Urethane Replacement</td>
<td>3&quot; (76)</td>
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<td>07-10091</td>
<td>Secondary Scraper Blade - Tungsten Replacement</td>
<td>3&quot; (76)</td>
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<td>13-00975</td>
<td>Pin Clip</td>
<td>5/16&quot; x 2-1/2&quot; (8 x 63)</td>
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<tr>
<td>07-00540</td>
<td>Primary Scraper Blade</td>
<td>10&quot; (254)</td>
</tr>
<tr>
<td>07-00541</td>
<td>Primary Scraper Blade</td>
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</tr>
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<td>Primary Scraper Blade</td>
<td>22&quot; (559)</td>
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<td>46&quot; (1,168)</td>
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<tr>
<td>07-00550</td>
<td>Primary Scraper Blade</td>
<td>70&quot; (1,778)</td>
</tr>
</tbody>
</table>
**EXTERRA® SFL DUAL BELT CLEANER**

Primary and Secondary Cleaning System Sharing One Mounting Pole

**BENEFITS**

» SFL technology requires one time tensioning

» No additional tensioning during entire life of primary blade

» No additional structure to accommodate secondary blade

» Efficient solution for wet and sticky applications allows for maximum belt cleanliness

**SPECIFICATIONS**

» Aggregate Duty

» Belt Widths: 18” - 60” (457mm - 1,524mm)

» Material Widths: Belt Width -2” or -8” (-51mm - 203mm)

» Pole Lengths: 48” - 114” (1,219mm - 2,895mm)

» Optional Mounting Brackets
FEATURES

**PULLEY DIAMETERS 20” AND BELOW**

<table>
<thead>
<tr>
<th>Blade Lengths</th>
<th>Belt Widths</th>
<th>Blade Widths</th>
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</thead>
<tbody>
<tr>
<td>Minus 2” (-51mm)</td>
<td>18” - 60” (250 - 1,500)</td>
<td>16” - 58” (406 - 1,450)</td>
</tr>
<tr>
<td>Minus 8” (-203mm)</td>
<td>18” - 60” (250 - 1,500)</td>
<td>10” - 52” (250 - 1,300)</td>
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**PULLEY DIAMETERS 21” AND ABOVE**

<table>
<thead>
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<th>Blade Lengths</th>
<th>Belt Widths</th>
<th>Blade Widths</th>
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<tbody>
<tr>
<td>Minus 2” (-51mm)</td>
<td>30” - 60” (750 - 1,500)</td>
<td>28” - 58” (700 - 1,450)</td>
</tr>
<tr>
<td>Minus 8” (-203mm)</td>
<td>30” - 60” (750 - 1,500)</td>
<td>28” - 58” (700 - 1,450)</td>
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**PART NUMBER GUIDE**

Example: SFLD1-182048T

- **Product**
- **Belt Width**
- **Blade Width**
- **Pole Length**
- **Secondary Blade Style**

**SPECIFICATIONS**

- Featuring set for life tensioning
- Blade installation/replacement mechanism
- 3” (76mm) wide blade segments with tungsten carbide tips individually conform to belt for effective cleaning (solid urethane also available)
- One mounting pole for both blades
MINE DUTY EXTERRA® PRIMARY BELT CLEANER

Extra Bulky Blade For Long Lasting Cleaning in Heaviest Applications

MINE DUTY VS. AGGREGATE DUTY

BENEFITS
» SFL technology requires one time tensioning at installation
» Tension is automatically maintained until blade replacement
» 3-piece pole system eases install in chutes and tight spaces
» Segmented blades conform to belt for effective cleaning
» Exceptional performances on larger pulley assemblies

SPECIFICATIONS
» Mine Duty
» Left, Right and Dual Tensioner
» Blade Widths: 24” - 108” (609mm - 2,743mm)
» Material Widths: Belt Width -6” (-152mm)
» Pole Lengths: 45” - 133” (1,143mm - 3,378mm)
» Pulley Diameter: 20” up to 84” (508mm - 2,133mm)
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>BELT WIDTHS (inch (mm))</th>
<th>BLADE WIDTH (INCH (MM))</th>
<th>POLE LENGTH (INCH (MM))</th>
<th>TENSIONER QUANTITY</th>
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<td></td>
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<td>18” (457)</td>
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<tr>
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<td>24” (609)</td>
<td>51” (1,295)</td>
<td>75 (1,905)</td>
</tr>
<tr>
<td>36” (914)</td>
<td>30” (762)</td>
<td>57” (1,447)</td>
<td>81 (2,057)</td>
</tr>
<tr>
<td>42” (1,066)</td>
<td>36” (914)</td>
<td>75” (1,905)</td>
<td>99 (2,514)</td>
</tr>
<tr>
<td>48” (1,219)</td>
<td>42” (1,066)</td>
<td>81” (2,057)</td>
<td>105 (2,667)</td>
</tr>
<tr>
<td>54” (1,371)</td>
<td>48” (1,219)</td>
<td>85” (2,159)</td>
<td>109 (2,768)</td>
</tr>
<tr>
<td>60” (1,524)</td>
<td>54” (1,371)</td>
<td>89” (2,260)</td>
<td>113 (2,870)</td>
</tr>
<tr>
<td>66” (1,676)</td>
<td>60” (1,524)</td>
<td>93” (2,362)</td>
<td>Custom Order</td>
</tr>
<tr>
<td>72” (1,828)</td>
<td>66” (1,676)</td>
<td>109” (2,768)</td>
<td>Custom Order</td>
</tr>
<tr>
<td>78” (1,981)</td>
<td>72” (1,828)</td>
<td>113” (2,870)</td>
<td>Custom Order</td>
</tr>
<tr>
<td>84” (2,133)</td>
<td>78” (1,981)</td>
<td>117” (2,971)</td>
<td>Custom Order</td>
</tr>
<tr>
<td>96” (2,438)</td>
<td>90” (2,286)</td>
<td>125” (3,175)</td>
<td>Custom Order</td>
</tr>
<tr>
<td>108” (2,743)</td>
<td>102” (2,590)</td>
<td>133” (3,378)</td>
<td>Custom Order</td>
</tr>
</tbody>
</table>

**PART NUMBER GUIDE**

Example: PMD-03006L

- **Product**
- **Belt Width**
- **Blade Width**
- **Tensioner**

**FEATURES**

01/ Debris flap improves material shedding

02/ Set for life tensioner, set once at install for the life of blade

03/ 3-piece pole system helps with installation in chutes and tight spaces

04/ Robust and durable 6” segmented blades
IMPACT BED

Protect Conveyor Belt From Beating of Large Material Lumps

**BENEFITS**

» Energy absorbing bars protect belt from falling material
» Designed with UHMW and high impact SBR rubber
» Depending on application, wings adjust to 20°, 35° and 45°
» Rigid, structurally sound frame for extra support
» Fits well with high capacity application

**SPECIFICATIONS**

» Belt Widths: 24” - 72” (609mm - 1,828mm)
» Lengths: 4’ or 5’ (1.2m or 1.5m)
» Standard Duty: Up to 200 lbs/ft (91kg)
» Medium Duty: Up to 960 lbs/ft (435kg)
» Engineered Class Designed to Application
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Bar Length (mm)</th>
<th>Belt Width (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot; (450)</td>
<td>24&quot; - 72&quot; (609-1,828)</td>
</tr>
<tr>
<td>48&quot; (1200)</td>
<td>24&quot; - 72&quot; (609-1,828)</td>
</tr>
<tr>
<td>60&quot; (1500)</td>
<td>24&quot; - 72&quot; (609-1,828)</td>
</tr>
</tbody>
</table>

**PART NUMBER GUIDE**

Example: I-C5455-542

**IMPACT BED SIZING CHART**

**IMPACT BED SIZING CHART**

**SINGLE LUMP WEIGHT (POUNDS AND KILOGRAMS)**

---

Superior Industries

SPL1054ENPR-03
**IMPACT CRADLE**

Curved Design Provides Maximum Belt Protection

**BENEFITS**

» Curved design eliminates space between belt and bed
» Additional support prevents tears and other impact damage
» Urethane segments absorb shock and dissipate contact energy
» Designed to fit into existing idler mounting footprint
» Easily replaceable impact bars slide off side of frame.

**SPECIFICATIONS**

» Belt Widths: 24” - 72” (609mm - 1,828mm)
» Length: 12’ (3.6m)
» CEMA Classes: C, D and E
» Diameters: 5” - 7” (127mm - 177mm)
» Troughing Angles: 20° or 35°
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>CEMA CLASS</th>
<th>DIAMETER inch (mm)</th>
<th>BELT WIDTH inch (mm)</th>
<th>BED LENGTH feet (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEMA C</td>
<td>5&quot;, 6&quot; (127, 152)</td>
<td>24&quot; - 60&quot; (609 - 1,524)</td>
<td>12' (3.6)</td>
</tr>
<tr>
<td>CEMA D</td>
<td>5&quot;, 6&quot; (127, 152)</td>
<td>24&quot; - 72&quot; (609 - 1,828)</td>
<td>12' (3.6)</td>
</tr>
<tr>
<td>CEMA E</td>
<td>6&quot;, 7&quot; (152, 177)</td>
<td>36&quot; - 84&quot; (914 - 2,133)</td>
<td>12' (3.6)</td>
</tr>
</tbody>
</table>

### PART NUMBER GUIDE

**Example: IC-C6-35E-42**

- **Product**
- **CEMA Class**
- **Idler Diameter**
- **Degree**
- **Idler Style**
- **Belt Width**
SEALING SYSTEM
Prevents Material Spillage in Load Zones

**BENEFITS**
- Maintain tight seal between belt and hopper skirting
- Eliminate belt sagging and prevent spillage in load zones
- Cartridges retrofit to existing idler frames
- Quick installation saves time and cuts costs

**SPECIFICATIONS**
- Fit to CEMA C or D idler frames
- 5” (127mm) cartridges
- 10” (254mm) cartridges
- Belt Widths: 24” - 72” (609mm - 1,828mm)
SPECIFICATIONS

FULL SEALING SYSTEM

<table>
<thead>
<tr>
<th>Roll Diameter (inch)</th>
<th>Steel Roll Center Roll</th>
<th>Impact Cushion Center Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Double Cartridge</td>
<td>Slide Bars</td>
</tr>
<tr>
<td></td>
<td>Double Cartridge</td>
<td>Slide Bars</td>
</tr>
<tr>
<td>C-5’ (127mm)</td>
<td>C5S-20E-(24-72)-410</td>
<td>C5S-20E-(24-72)-448</td>
</tr>
<tr>
<td>C-6’ (152mm)</td>
<td>C6S-20E-(24-72)-410</td>
<td>C6S-20E-(24-72)-448</td>
</tr>
<tr>
<td>D-5’ (127mm)</td>
<td>D5S-20E-(24-72)-410</td>
<td>D5S-20E-(24-72)-448</td>
</tr>
<tr>
<td>D-6’ (152mm)</td>
<td>D6S-20E-(24-72)-410</td>
<td>D6S-20E-(24-72)-448</td>
</tr>
</tbody>
</table>

REPLACEMENT CARTRIDGES

<table>
<thead>
<tr>
<th>Double Cartridges</th>
<th>Seal Bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>5’ (127mm)</td>
<td>48” (1,219mm)</td>
</tr>
<tr>
<td>D5S-(24-72)-2</td>
<td>38-000026</td>
</tr>
<tr>
<td>D6S-(24-72)-2</td>
<td>38-000027</td>
</tr>
</tbody>
</table>

PART NUMBER GUIDE

Example: C5S-20E-36-410

STYLES

105 (1) Frame (1) Single Cartridge
110 (1) Frame (1) Double Cartridge
410 (4) Frames (1) Double Cartridge/Frame

TYPES

E Steel Roll
EI Impact Roll

SEALING CARTRIDGES OPTIONS

Sealing Style

» Sealing Cartridge (5” or 10”), (127mm or 254mm)

Idler Frame

» CEMA C
» CEMA D

HOW IT WORKS

Before

» Belt sags between rolls producing gap

After

» Sealing system prevents gapping for no spillage

5” (127mm) CARTRIDGE

10” (254mm) CARTRIDGE

BEFORE

SINGLE CARTRIDGE

DOUBLE CARTRIDGE

AFTER
SLIDER BED
Prevents Material Spillage in Load Zones

**BENEFITS**

» Maintains a continuous tight seal between belt and hopper skirting

» Eliminate belt sagging and prevent spillage in load zones

» Upgrade to impact rolls for improved impact absorption

**SPECIFICATIONS**

» Fit to CEMA C or D idler frames

» 48” (1,219mm) or 60” (1,524mm) bars

» Belt Widths: 24” - 72” (600mm - 1,800mm)
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>ROLL DIAMETER</th>
<th>BELT WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>inch</td>
<td>inch (mm)</td>
</tr>
<tr>
<td><strong>C-5” (127mm)</strong></td>
<td><strong>24”-72” (600-1800)</strong></td>
</tr>
<tr>
<td><strong>C-6” (152mm)</strong></td>
<td><strong>24”-72” (600-1800)</strong></td>
</tr>
<tr>
<td><strong>D-5” (127mm)</strong></td>
<td><strong>24”-72” (600-1800)</strong></td>
</tr>
<tr>
<td><strong>D-6” (152mm)</strong></td>
<td><strong>24”-72” (600-1800)</strong></td>
</tr>
</tbody>
</table>

### PART NUMBER GUIDE

**Example:** **C5S-20E-36-448**

<table>
<thead>
<tr>
<th>CEMA Class</th>
<th>Idler Diameter</th>
<th>Product</th>
<th>Degree</th>
<th>Idler Style</th>
<th>Belt Width</th>
<th>Number of Frames</th>
<th>Bed Length</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### TYPES

- **E** Steel Roll
- **EI** Impact Roll

#### STYLES

- **448** (4) Frames (4) 4-ft Bars
- **560** (5) Frames (5) 5-ft Bars

#### SEALING BARS OPTIONS

- Center Idler Roll
  - Standard Steel
  - Impact Roll

![48” (1219mm) SEALING BAR](image1)

![48” (1219mm) SEALING BAR](image2)
RETURN ROLL GUARDS

Conveyor Pinch Point Protection

BENEFITS

» Meet safety regulations for guarding moving parts
» Pinch point protection from return rolls
» Multiple models depending on application or MSHA guidance
## SAFETY SOLUTION OPTIONS

### RETURN IDLER CAGE

<table>
<thead>
<tr>
<th>Belt Width inch (mm)</th>
<th>Part Number</th>
<th>Belt Width inch (mm)</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot; (457)</td>
<td>44-500018</td>
<td>54&quot; (1,372)</td>
<td>44-500054</td>
</tr>
<tr>
<td>24&quot; (609)</td>
<td>44-500024</td>
<td>60&quot; (1,524)</td>
<td>44-500060</td>
</tr>
<tr>
<td>30&quot; (762)</td>
<td>44-500030</td>
<td>72&quot; (1,829)</td>
<td>44-500072</td>
</tr>
<tr>
<td>36&quot; (914)</td>
<td>44-500036</td>
<td>84&quot; (2,134)</td>
<td>44-500084</td>
</tr>
<tr>
<td>42&quot; (1,067)</td>
<td>44-500042</td>
<td>96&quot; (2,438)</td>
<td>44-500096</td>
</tr>
<tr>
<td>48&quot; (1,219)</td>
<td>44-500048</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### RETURN IDLER BASKET

<table>
<thead>
<tr>
<th>Belt Width inch (mm)</th>
<th>Part Number</th>
<th>Belt Width inch (mm)</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot; (457)</td>
<td>44-600018</td>
<td>54&quot; (1,372)</td>
<td>44-600054</td>
</tr>
<tr>
<td>24&quot; (609)</td>
<td>44-600024</td>
<td>60&quot; (1,524)</td>
<td>44-600060</td>
</tr>
<tr>
<td>30&quot; (762)</td>
<td>44-600030</td>
<td>72&quot; (1,829)</td>
<td>44-600072</td>
</tr>
<tr>
<td>36&quot; (914)</td>
<td>44-600036</td>
<td>84&quot; (2,134)</td>
<td>44-600084</td>
</tr>
<tr>
<td>42&quot; (1,067)</td>
<td>44-600042</td>
<td>96&quot; (2,438)</td>
<td>44-600096</td>
</tr>
<tr>
<td>48&quot; (1,219)</td>
<td>44-600048</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SINGLE SIDE GUARD

<table>
<thead>
<tr>
<th>Belt Width inch (mm)</th>
<th>Part Number</th>
<th>Belt Width inch (mm)</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot; (457)</td>
<td>44-050118</td>
<td>48&quot; (1,219)</td>
<td>44-050148</td>
</tr>
<tr>
<td>24&quot; (609)</td>
<td>44-050124</td>
<td>54&quot; (1,372)</td>
<td>44-050154</td>
</tr>
<tr>
<td>30&quot; (762)</td>
<td>44-050130</td>
<td>60&quot; (1,524)</td>
<td>44-050160</td>
</tr>
<tr>
<td>36&quot; (914)</td>
<td>44-050136</td>
<td>72&quot; (1,829)</td>
<td>44-050172</td>
</tr>
<tr>
<td>42&quot; (1,067)</td>
<td>44-050142</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SHIELDALL™ RETURN GUARD

<table>
<thead>
<tr>
<th>Belt Width inch (mm)</th>
<th>Part Number</th>
<th>Belt Width inch (mm)</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot; (457)</td>
<td>44-040118</td>
<td>54&quot; (1,372)</td>
<td>44-040154</td>
</tr>
<tr>
<td>24&quot; (609)</td>
<td>44-040124</td>
<td>60&quot; (1,524)</td>
<td>44-040160</td>
</tr>
<tr>
<td>30&quot; (762)</td>
<td>44-040130</td>
<td>66&quot; (1,676)</td>
<td>44-040166</td>
</tr>
<tr>
<td>36&quot; (914)</td>
<td>44-040136</td>
<td>72&quot; (1,829)</td>
<td>44-040172</td>
</tr>
<tr>
<td>42&quot; (1,067)</td>
<td>44-040142</td>
<td>84&quot; (2,134)</td>
<td>44-040184</td>
</tr>
<tr>
<td>48&quot; (1,219)</td>
<td>44-040148</td>
<td>96&quot; (2,438)</td>
<td>44-040196</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>ShieldAll Return Guard</th>
<th>Return Idler Cage</th>
<th>Return Idler Basket</th>
<th>Single Side Guard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Falling Idler Protection</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Pinch Point Protection</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allows Material to Fall Through</td>
<td></td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allows Access to Idler</td>
<td></td>
<td></td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Mounts to CEMA Idler Bolt Pattern</td>
<td></td>
<td></td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Steel Construction</td>
<td></td>
<td></td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>UHMW Construction</td>
<td></td>
<td></td>
<td></td>
<td>✔</td>
</tr>
</tbody>
</table>

---

Superior Industries

SPL1108ENPR-04
Flexible Guard Panels

Simple to Install Safety Solution

Benefits
- Stock on-site for quick fix after MSHA visit
- Easily cut to any size or shape
- Packaged with self-tapping screws and washers
- UV resistant and yellow for easy detection

Specifications
- Mesh Size: 1/4" (6.35mm) or 3/4" (19.05mm)
- Roll Lengths: 100’ x 4’ (30m x 1.2m) or 50’ x 4’ (15m x 1.2m)
- Steel mesh available in 4’ x 5’ (1.2m x 1.5m) sheets
SAFETY HANDRAIL
Simple Solution Prevents Entanglement in Belting

**BENEFITS**
- Economic solution requires no time consuming wiring
- Use in place of e-stop cable (depending on local MSHA standards)
- Universally mounts to all idler frames
- Ships with all installation hardware

**SPECIFICATIONS**
- Length: 10’ (3.0m)
- Diameter: 1-1/4” (31mm)
- Bracket recommended every 8'-10’ (2.4m-3.0m)
CONVEYOR TAKE-UPS
Accurately Maintain Belt Tension to Prevent Slippage

BENEFITS
» ACME thread is reliable in corrosive conditions
» Long-Lasting powder coat finish
» Six models to cover many applications
» Screw protection included to prevent potential rust/damage

SPECIFICATIONS
» Bearing Styles: Pillow Block, Wide Slot or Top Angle
» Conveyor Styles: Truss, Channel or I-Beam
» Mounting Positions: Side or Top
FEATURES

TELESCOPING TUBE
» Tube protects rod from damage
» Four bolt design easily attaches to frame
» Works with standard 2-bolt pillow block bearings

WIDE SLOT
» Compact frame for installation in tight locations
» Universally designed dimensions and bolt holes
» Optional MSHA approved cover

LIGHT DUTY
» Single plate saddle versus two-part system
» Narrow frame accommodates space requirements
» Universally designed dimensions and bolt holes

HEAVY DUTY
» Narrow frame accommodates space requirements
» Rod protected from falling material
» Bearing holes drilled per order

TOP ANGLE
» Universally designed dimensions and bolt holes
» Rod protected from falling material
» Dodge or Link Belt “Type E” bearings

CENTER PULL
» High belt tension applications
» Universally designed dimensions and bolt holes
BELT COVERS

Rigid, Corrugated Construction Is Infinitely Stronger Than Smooth Covers

**BENEFITS**

- Sturdy 22-gauge, corrugated steel
- Folded edges for double thickness and safe handling
- Installation not dependent on idler frame
- Wide range of materials to cover any application

**SPECIFICATIONS**

- Belt Widths: 24” (609mm) - 72” (1,800mm)
- Cover Length: 48” (1,219mm) lengths
- Standards: Full, 3/4 and 1/2
### OPTIONS

**COVER STYLES**

<table>
<thead>
<tr>
<th>STYLE</th>
<th>BELT WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Cover</td>
<td>48” (1,219mm)</td>
</tr>
<tr>
<td>3/4 Cover</td>
<td>48” (1,219mm)</td>
</tr>
<tr>
<td>1/2 Cover</td>
<td>48” (1,219mm)</td>
</tr>
<tr>
<td>Full Cover w/Window</td>
<td>48” (1,219mm)</td>
</tr>
<tr>
<td>Full Low Profile</td>
<td>48” (1,219mm)</td>
</tr>
</tbody>
</table>

**COVER MATERIAL**

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Galvanized</td>
<td>Approved corrosive resistance in nearly every environment.</td>
</tr>
<tr>
<td>(2) Lacquered Steel</td>
<td>Colored to blend in with surroundings or branding.</td>
</tr>
<tr>
<td>(3) HPS 200</td>
<td>Fiber reinforced polyester, colored covers for highly corrosive environments.</td>
</tr>
<tr>
<td>(4) Stainless Steel</td>
<td>Highly corrosive environments.</td>
</tr>
<tr>
<td>(5) Aluminum</td>
<td>Lightest weight material for easy manipulation.</td>
</tr>
<tr>
<td>(6) Fiberglass</td>
<td>Avoid contamination in the food industries.</td>
</tr>
</tbody>
</table>

**STYLE BELT WIDTH**

- **GALVANIZED**
- **PRE-LACQUERED STEEL**
- **STAINLESS STEEL**
- **ALUMINUM**
- **HIGH PERFORMANCE STEEL**
- **FIBER REINFORCED POLY**
BELT SPEED SENSOR

Instantly Alert Operators of Problems and Increase Productivity

**BENEFITS**

- Sensor sealed inside roll for protection
- Electronic pulses interpreted by PLC or speed sensor module
- Control shutdowns, monitor slippage or trigger warnings

**SPECIFICATIONS**

- Mounting Options: Clean, Return or Carry Side Idlers
- Belt Widths: 24” - 72” (609 - 1,828mm)
- Classes: CEMA C or D
SPEED SENSOR MODULE

» Sensors require module shown or existing PLC
» Acts as zero (or low) speed sensor or indicator
» Integrate with lights, alarms or cut off switches
» 120 VAC, 240VAC or 24VDC
» (2) relay outputs
» (2) transistor outputs
» (1) analog 4-20mA output
» DIN rail mounting
» Optional metal or polymer enclosure

DO I NEED A MODULE?

Do you own a PLC?

Yes

Do you have a PNP DC I/O Card (24STD) V supply?

Yes

No additional electronics needed

No

Do you have an AC I/O Card?

Yes

Converter Needed

No

Module Needed

Module Needed
BELT SCALE
Accurate, Dependable Monitoring of Production

BENEFITS
» Flush-mount design means no cutting into conveyor frame
» Sturdy weighbridge won’t wobble or tip
» Integrator has large, color graphic display
» Easy to follow scale setup wizard
» Modular design fits to multiple belt widths
» Four modes of menu driven calibration

SPECIFICATIONS
» Accuracy: Up to +/- 1/2%
» Belt Widths: 18” - 72” (457mm - 1,828mm)
» Capacity: Up to 3,000 TPH (2,721 MTPH)
» CEMA Class: B, C, D and E
STANDARD

» Battery backup
» Calibration weights
» Ethernet port (Modbus TCP)
» Speed sensor
» Superior scale quality idler
» USB Port

OPTIONS

» Angle compensator sensor
» Junction box
» Networking communications
» Remote rate display
» Scoreboard display
» Ticket printer
» Wireless communication

INTEGRATOR

» Four modes of menu driven calibration
  » Zero calibration
  » Test weight calibration
  » Material test calibration
  » Automatic digital calibration
» Simultaneously connect printer and scoreboard display
» Self-Diagnostics
  » Independently view load cell status
  » Speed sensor frequency
  » Angle sensor readings
  » Configuration set up parameters
  » I/O settings

INTEGRATOR

STANDARD TECHNICAL DATA

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy</td>
<td>±1/2%</td>
</tr>
<tr>
<td>Belt Width</td>
<td>18” - 72” (457 - 1829mm)</td>
</tr>
<tr>
<td>Capacity</td>
<td>Up to 3,000 TPH</td>
</tr>
<tr>
<td>Idler Class</td>
<td>CEMA B - E</td>
</tr>
<tr>
<td>Input Power</td>
<td>12-24VDC or 100-240VAC</td>
</tr>
<tr>
<td>Inputs/Outputs</td>
<td>4/3</td>
</tr>
<tr>
<td>Additional Outputs</td>
<td>(3) Relay</td>
</tr>
<tr>
<td>Enclosure</td>
<td>Outdoor</td>
</tr>
<tr>
<td>Temperature</td>
<td>5-140°F ( -15-60°C)</td>
</tr>
<tr>
<td>Load Cells</td>
<td>2</td>
</tr>
<tr>
<td>Communication port</td>
<td>(2) RS232</td>
</tr>
<tr>
<td>Warranty</td>
<td>2 years</td>
</tr>
</tbody>
</table>
AUTO GREASER

Temperature Independent Automatic Lubrication System

**BENEFITS**
- Lengthens life of conveyor components
- Dispensing rate not affected by ambient temperature
- Simple handling and setting adjustment
- Broad range of settings to suit maintenance cycles
- Suitable for single-point lubrication of roller or sliding bearings

**SPECIFICATIONS**
- Ambient Temperature: -4° to 140° F (-20° to 60° C)
- Discharge Period: 1, 2, 3 … 12 months
- Volume: 4.4 oz (130cc)
- Housing: Transparent Plastic
FEATURES

01/ Auto greaser control unit
02/ Integrated battery
03/ Support flange with 1/4” npt outside thread
04/ Gas generating cell
05/ Lubricant
06/ Display (discharge period + function)
07/ Push button programming
08/ Reusable control unit

PARTS GUIDE

01/ Black Pipe Nipple
02/ Black tee-Pipe
03/ Adapter

ADAPTOR TOP VIEW
ADAPTOR BOTTOM VIEW

45° ELBOW AND 90° TEE