Load Zone Support Systems

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

ASGCO’s patented Impact Cradle Beds® are designed to provide protection to your conveyor belt from impact damage from large rocks, tramp metal, roof bolts or bucket teeth, that can put a stop to operations. Our modular style impact beds provide impact protection for your conveyor belt, as well as a tool to help control spillage in the conveyor loading zone.

- **Improved Impact Cradles** – no pinch point or idler junction area utilizing our 17.5° bars for 35° idler systems, 10° degree bars for 20° idler systems and 22.5° degree bars for 45° idler systems.
- **Absorbs Impact** – with heavy duty steel designed framework and our impact bars that are manufactured with our absorbent, 40 durometer rubber that can really take the shock of large material.
- **Modular Designed** – cradles can be manufactured in 2’ (800mm), 3’ (900mm), 4’ (1200mm) or 5’ (1500mm) long, depending upon the size of your material impact area.

<table>
<thead>
<tr>
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<td>24.06</td>
<td>37.25</td>
<td>49.08</td>
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</tbody>
</table>

- **Impact Cradles over 2000 lbs., please call for information.

**Impact Cradle Bed® Replacement Parts**

- Impact Bars 3” x 4” x (Y)
  - ASGCO® Impact Bars: MAB-36-42-3X4X(Y)
  - Replacement Parts Kits: MAB-36-42-3X4X(Y)
- HD Slider: MAB-36-42-3X4X(Y)
- Standard Impact: MAB-36-42-3X4X(Y)
- Premium Impact: MAB-36-42-3X4X(Y)

- **XX**: Degree of Inclination 20°/30°/45°
- **Y**: Length of Impact Bar 2’, 4’ or 5’
- **Z**: Belt Width

3 Roll Slide-A-Roll

Ruber Cassette Bed

Impact Cradle Bed and Slide-Loc®

Slide-Loc®

Skin-N-Rise®

www.asgco.com | 800.344.4000
**SLIDER-LER**

The ASGCO® Slide-Ler™ is a modular designed product that allows you to remove the wing and center roll hangers for easy replacement of your idler rolls. It can also be designed to hold any manufacturer roll in the industry. The Slide-Ler™ minimizes down time and can be accessed from both sides of the conveyor system,

- **Perfect for Confined Spaces** – due to the frames only take-up 6” (200mm) of width when using 6” (150mm) rollers.
- **Improves Safety** – and maintenance by allowing rollers to be easily removed without having to remove any of the belt idler frames,
- **Meets all CEMA Standards** – and available in any belt width, troughing angle or idler.

---

**One Sided Slide-Ler™**

ASGCO® One Sided Slide-Ler™ is a patented product designed to be maintained from one side of the conveyor system. This is ideal for systems with access on one side only, where a conveyor is located at the wall or high in the air with a catwalk on one side. This allows you to replace rolls with minimal downtime and eliminate the need for man lifts or having to work in a confined space.

---

**Quarry Duty Impact Bed**

ASGCO’s Quarry Duty Impact Beds are designed to offer an efficient and safe means of protecting the conveyor belt and helping to eliminate spillage / dust in the load zone. While the specification and installation of the impact bed is simple, the robust design provides the rugged durability needed for quarries and today’s demanding applications.

- **Protects the Conveyor Belt** – The robust design for aggregate and quarry operations is able to take the impact of falling materials while maintaining an effective seal of the skidboards.
- **Efficient and Safe** – Safe and easy installation and service of the impact beds is a priority in any operation.
- **Affordable Options** – Available in both Light Duty (up to 250 lb./ft.) and Standard Duty (between 250-750 lb./ft.) in either 4’ or 5’ long beds.

---

**SLIDER-LER**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Belt Width</th>
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<td>MA50-SL-LE-LER-50XX</td>
<td>50 1250</td>
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XX = Degree in trough 20°, 25° and 45°

---

**Components**

1. Center Slide
2. Roller Retainer
3. Frame
4. Wing
5. Steel Roll

---

**Quarry Duty Impact Bed**

<table>
<thead>
<tr>
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<tr>
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</table>

XX = Degree in trough 20°, 25° and 45°

---

**How to select the correct impact bed for your conveyor transfer point**

- **Impact Energy**
  - **Lump Weight (lb.)**
  - **Drop Height (H ft.)**
  - **Total (lb.-ft.)**

**Impact Energy Calculation Chart**

- **Drop Impact (p) > Drop Impact (q)**
  - Impact Bed 7" x 4" x 4" Thick
  - Replacement Hardware Kit: MA500-DRK-000

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**Stainless Steel Impact Bed**

- **Description**
  - **Impact Bed 7" x 4" x 4" Thick**
  - **Impact Bed 7" x 4" x 4" Thick**
  - **Replacement Hardware Kit: MA500-DRK-000**

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**STANDARD IMPACT**

www.asgco.com | 800.344.4000
SLIDE-N-ROLL™ Beds

Slide-N-Roll™ Beds provide an effective load support while helping to eliminate dust and spillage in the conveyor load zone. Replacing the side troughing idler with low friction UHMW bars will help to reduce the belt friction and will also eliminate the gap in between the idlers to provide an effective sealing surface for the skirting.

- **Increase Belt Life** - by eliminating the gaps, scalloping and pinch points between the belt and the skirt liners which can cut and gouge the belt, are eliminated.
- **Seals the Transfer Point** - by supporting the belt edge on a flat surface that allows the skirting to work more effectively for an effective seal.
- **Robust Designed** - steel frames and 1” (25mm) thick UHMW slider bars provide excellent wear life.
- **Engineered and Designed** - beds can be made into 4’ (1200mm), 5’ (1500mm), 6’ (1800mm) or 10’ (3000mm) lengths.
  - Any troughing angle
  - Number of frames will be determined by each application.

3 Roll Slide-N-Roll™ Bed

ASGCO®'s patented 3 Roll Slide-N-Roll™ is the ultimate in loading zone spillage control for belt widths 36” and above. Our patented design encompasses a three-roller idler with low-friction UHMW bars, creating a dust-free, high-speed material transfer point.

- **Specifically Designed** - for wide, hi-speed (over 700 fpm), and high tonnage conveyor systems.
- **Reduces Dust** - by maintaining a flat area in the load zone for the skirting to maintain an effective seal against the conveyor belt.
- **Custom Built** - beds can be made into 4’ (1200mm), 5’ (1500mm), 6’ (1800mm) or into our 10’ (3m) standard length bed with frames on 12” centers.

Roller Cassette Beds

Roller Cassette Beds incorporate the advantages of slider and impact bars for sealing while maintaining constant rolling support for the conveyor belt in the load zone. This system provides additional rolling support as well as being able to eliminate the deflection between the belt and standard impact or troughing belt idlers.

- **Load Supported** - by having up to 4 sets of troughing idlers (12 rolls) in an area that you would normally have 2 (6 rolls),
  - 9 or 12 idler sets are available.
  - 28” wide frame, using 6” (150mm) diameter rolls.
  - Rolls are spaced on 5” (125mm) to 7” (175mm) centers based on the roll diameter.
- **Custom Designed** - to suit your particular application.
  - Impact, Steel, or Ceramic rollers are available.
  - Stainless, Galvanized or Steel frames are available.
  - Meets all CEMA Standards - and is available in any belt width or troughing angle.

| Part Number | Belt Width | A | B | C | D | E | F | B | C | D | E | F |
|-------------|------------|---|---|---|---|---|---|---|---|---|---|---|---|
| M-ASGCO-24-JX-JX | 24 | 200 | 25 | 160 | 40 | 75 | 14 | 300 | 25 | 160 | 40 | 75 | 14 |
| M-ASGCO-25-JX-JX | 25 | 200 | 25 | 160 | 40 | 75 | 14 | 300 | 25 | 160 | 40 | 75 | 14 |
| M-ASGCO-26-JX-JX | 26 | 200 | 25 | 160 | 40 | 75 | 14 | 300 | 25 | 160 | 40 | 75 | 14 |
| M-ASGCO-27-JX-JX | 27 | 200 | 25 | 160 | 40 | 75 | 14 | 300 | 25 | 160 | 40 | 75 | 14 |
| M-ASGCO-28-JX-JX | 28 | 200 | 25 | 160 | 40 | 75 | 14 | 300 | 25 | 160 | 40 | 75 | 14 |
| M-ASGCO-29-JX-JX | 29 | 200 | 25 | 160 | 40 | 75 | 14 | 300 | 25 | 160 | 40 | 75 | 14 |
| M-ASGCO-30-JX-JX | 30 | 200 | 25 | 160 | 40 | 75 | 14 | 300 | 25 | 160 | 40 | 75 | 14 |
| M-ASGCO-31-JX-JX | 31 | 200 | 25 | 160 | 40 | 75 | 14 | 300 | 25 | 160 | 40 | 75 | 14 |
| M-ASGCO-32-JX-JX | 32 | 200 | 25 | 160 | 40 | 75 | 14 | 300 | 25 | 160 | 40 | 75 | 14 |
| M-ASGCO-33-JX-JX | 33 | 200 | 25 | 160 | 40 | 75 | 14 | 300 | 25 | 160 | 40 | 75 | 14 |
| M-ASGCO-34-JX-JX | 34 | 200 | 25 | 160 | 40 | 75 | 14 | 300 | 25 | 160 | 40 | 75 | 14 |

**X** - Number of rolls, **Y** - Number of Supports

This Chart is based on, CEMA C 5.8 & 6.4 @ 45° and CEMA E 8.6 @ idler sizes 48x48.

Impact Slide-N-Roll™
**SLIDE-N-ROLL™ Beds**

**Slide-N-Roll™ Beds**

Slide-N-Roll™ Beds provide an effective load support while helping to eliminate dust and spillage in the conveyor load zone. Replacing the side tugging idlers with low-friction UHMW bars will help reduce the belt friction and will also eliminate the gap in between the idlers to provide an effective sealing surface for the skirting.

- **Increase Belt Life** - by eliminating the gaps, scalloping and pinch points between the belt and the skirt liner which can cut and gouge the belt, are eliminated.
- **Seals the Transfer Point** - by supporting the belt edge on a flat surface that allows the skirting to work more effectively for an effective seal.
- **Robust Design** - steel frames and 1” (25mm) thick UHMW slider bars provide excellent wear life.
- **Engineered and Designed** - beds can be made into 4’ (1200mm), 5’ (1500mm), 6’ (1800mm) or 10’ (3000mm) lengths.
  - Any tuggage angle.
  - Number of frames will be determined by each application.

---

**3 Roll Slide-N-Roll™ Bed**

ASGCO®’s patented 3 Roll Slide-N-Roll is the ultimate in loading zone spillage control for belt widths 30” and above. Our patented design encompasses a three-roller idler with low-friction UHMW bars, creating a dust free, high-speed material transfer point.

- **Specifically Designed** - for wide, hi-speed (over 700 fpm), and high tonnage conveyor systems.
- **Reduces Dust** - by maintaining a flat area in the load zone for the skirting to maintain an effective seal against the conveyor belt.
- **Custom Built** - beds can be made into 4’ (1200mm), 5’ (1500mm), 6’ (1800mm) or into our 10’ (3m) standard length bed with frames on 12” centers.

---

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**Load Supported** - by having up to 4 sets of tugging idlers (12 rolls) in an area that you would normally have 2 (6 rolls),

- 9 or 12 idler sets are available.
- 28” wide frame, using 6” (150mm) diameter rolls.
- Rolls can be spaced on 5” (125mm) to 7” (175mm) centers based on the roll diameter.

- **Custom Designed** - to suit your particular application.
- **Impact, Steel, or Ceramic rollers are available.**
- **Stainless, Galvanized or Steel frames are available.**
- **Meets All CEMA Standards** - and is available in any belt width or tugging angle.

---

**3 Roll Slide-N-Roll™ Replacement Parts**

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<tr>
<th>Part Number</th>
<th>B C D E</th>
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<td>E300-600-XX</td>
<td>40 32</td>
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<td>E300-720-XX</td>
<td>56 48</td>
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<td>E300-960-XX</td>
<td>82 71</td>
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**3 Roll Slide-N-Roll™ Conveyor Belt Impact Bed & Slider**

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<td>ASGCO-R48-4XX</td>
<td>48 48 36 36</td>
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<td>ASGCO-R60-4XX</td>
<td>60 60 48 48</td>
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**X** - Number of rolls, **9** or **12** | **XX** - Degree of tugging 20°/35°/45°

**ASGCO® S&R Low Prof. Frame**

**ASGCO® S&R Low Prof. Frame**
SLIDER-LER

The ASGCO® Slide-Ler® is a modular designed product that allows you to remove the wing and center roll hangers for easy replacement of your idler rolls. It can also be designed to hold any manufacturer roll in the industry. The Slide-Ler™ minimizes downtime and can be accessed from both sides of the conveyor system,

- **Perfect for Confined Spaces** – due to the frames only take up 6" (200mm) of width when using 6" (150mm) rollers.
- **Improves Safety** – and maintenance by allowing rollers to be easily removed without having to remove any of the belt idler frames,
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Components
1. Center Slide
2. Roller Retainer
3. Frame
4. Wing
5. Steel Roll

One Sided Slide-Ler®

ASGCO® One Sided Slide-Ler® is a patented product designed to be maintained from one side of the conveyor system. This is ideal for systems with access on one side only, where a conveyor is located at the wall or high in the air with a catwalk on one side. This allows you to replace rolls with minimal downtime and eliminate the need for man lifts or having to work in a confined space.

![Diagram of Slide-Ler® and Quarry Duty Impact Bed](image)

Quarry Duty Impact Bed

ASGCO®’s Quarry Duty Impact Beds are designed to offer an efficient and safe means of protecting the conveyor belt and helping to eliminate spillage/dust in the load zone. While the specification and installation of the impact bed is simple, the robust design provides the rugged durability needed for quarries and today’s demanding applications.

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![Diagram of Quarry Duty Impact Bed](image)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Light Duty Impact Bed 250 lb-ft</th>
<th>Part Number</th>
<th>Standard Duty Impact Bed 250 lb-ft</th>
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**Y** - Bed Length 48 or 60

| XX - Degree of trought 25°, 35° or 45°

This Chart is based on. CEMA C-100 idler sizes. May vary based on customers request.

Impact Energy

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
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<td>Replacement Hardware Kit</td>
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</table>
Impact Cradle Bed

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- Improved Impact Cradles – no pinch point or idler junction area utilizing our 17.5” bars for 35° idler systems; 10° degree bars for 20° idler systems and 22.5° degree bars for 45° idler systems.
- Absorbs Impact – with heavy duty steel designed framework and our impact bars that are manufactured with our absorbent, 40 durometer rubber that can really take the shock of large material.
- Modular Designed – cradles can be manufactured in 2’ (600mm), 3’ (900mm), 4’ (1200mm) or 5’ (1500mm) long, depending upon the size of your material impact area.

Impact Cradle Bed

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Impact Cradle Bed</th>
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<th>B</th>
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<td>4</td>
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</tbody>
</table>

*Impact cradles over 2000 lbs, please call for information.

Impact Cradle Bed Replacement Parts

- Impact Bars 3” x 4” x (Y) ASG4BRAL-3/4 x (Y)
- ASGCO® Slides in Steelframe MARS-FRAME-SCU-001
- Replacement Hardware Kit MARS-HARDWARE-001

**XX** - Depth of Gussets 25°/30°/45°

**Y** - Length of Impact Bar 2’, 4’ or 5’

**ZZ** - Belt Width
Load Zone Support Systems

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