

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

Load Zone Support Systems

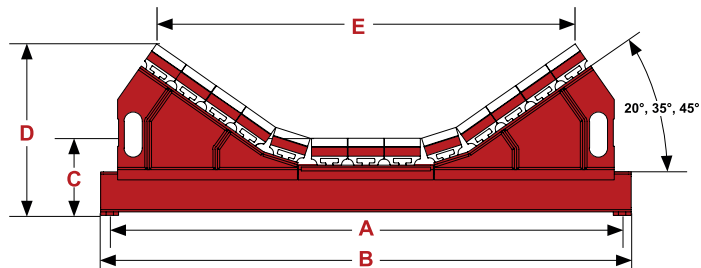


IMPACT CRADLE BED

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 the 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' (600mm), 3' (900mm), 4' (1200mm) or 5' (1500mm) long, depending upon the size of your material impact area.

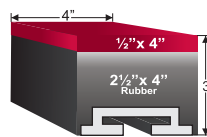


| Impact Cradle Bed | | | | | | | | | | | | | | |
|---|---|--|------------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| Part Number Standard Duty Impact Bed 1000 lb. ft. | Part Number Mine Duty Impact Bed 2000 lb. ft. | Part Number Mine Duty HD Impact Bed 3000 lb. ft. | Belt Width | | A | B | C | D | | | E | | | No. of Bars |
| | | | in | mm | | | | 20° | 35° | 45° | 20° | 35° | 45° | |
| M-IB-24-6-Y-Z-(XX) | M-IB-24-6-Y-Z-(XX)-HD | M-IB-24-6-Y-Z-(XX)-HD | 24 | 600 | 33 | 35.0 | 8.19 | 11.63 | 13.69 | 15.00 | 27.63 | 24.81 | 22.75 | 6 |
| M-IB-30-6-Y-Z-(XX) | M-IB-30-6-Y-Z-(XX)-HD | M-IB-30-6-Y-Z-(XX)-HD | 30 | 750 | 39 | 41.0 | 8.19 | 12.31 | 14.88 | 16.44 | 33.44 | 30.06 | 27.63 | 6 |
| M-IB-36-10-Y-Z-(XX) | M-IB-36-10-Y-Z-(XX)-HD | M-IB-36-10-Y-Z-(XX)-HD | 36 | 900 | 45 | 47.0 | 8.19 | 13.00 | 16.13 | 17.88 | 39.19 | 35.38 | 32.44 | 9 |
| M-IB-42-11-Y-Z-(XX) | M-IB-42-11-Y-Z-(XX)-HD | M-IB-42-11-Y-Z-(XX)-HD | 42 | 1050 | 51 | 53.0 | 8.56 | 14.06 | 17.56 | 19.63 | 44.94 | 40.63 | 37.25 | 9 |
| M-IB-48-13-Y-Z-(XX) | M-IB-48-13-Y-Z-(XX)-HD | M-IB-48-13-Y-Z-(XX)-HD | 48 | 1200 | 57 | 59.0 | 8.56 | 14.75 | 18.81 | 21.06 | 50.69 | 45.94 | 42.06 | 9 |
| M-IB-54-13-Y-Z-(XX) | M-IB-54-13-Y-Z-(XX)-HD | M-IB-54-13-Y-Z-(XX)-HD | 54 | 1400 | 63 | 65.0 | 9.00 | 15.88 | 20.25 | 22.88 | 56.44 | 51.81 | 46.94 | 12 |
| M-IB-60-15-Y-Z-(XX) | M-IB-60-15-Y-Z-(XX)-HD | M-IB-60-15-Y-Z-(XX)-HD | 60 | 1500 | 69 | 71.0 | 9.00 | 16.56 | 21.44 | 24.31 | 62.19 | 56.50 | 51.75 | 12 |
| M-IB-72-18-Y-Z-(XX) | M-IB-72-18-Y-Z-(XX)-HD | M-IB-72-18-Y-Z-(XX)-HD | 72 | 1800 | 81 | 83.0 | 11.25 | 20.44 | 26.38 | 29.69 | 76.56 | 69.44 | 63.06 | 15 |
| M-IB-84-20-Y-Z-(XX) | M-IB-84-20-Y-Z-(XX)-HD | M-IB-84-20-Y-Z-(XX)-HD | 84 | 2100 | 93 | 95.0 | 11.50 | 22.06 | 29.88 | 32.75 | 88.06 | 80.00 | 72.75 | 20 |
| M-IB-96-23-Y-Z-(XX) | M-IB-96-23-Y-Z-(XX)-HD | M-IB-96-23-Y-Z-(XX)-HD | 96 | 2400 | 105 | 107.0 | 11.50 | 23.44 | 31.19 | 35.56 | 99.56 | 90.65 | 82.44 | 23 |

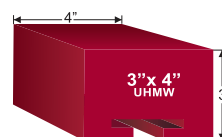
* - Impact cradles over 2000 ft/lbs, please call for information

| Impact Cradle Bed™ Replacement Parts | |
|--------------------------------------|-----------------------|
| Description | Part Number |
| Impact Bars 3" x 4" x (Y) | ASG-IBRAIL-RU-1-(Y) |
| ASGCO® Slide-N-Seal Frame | M-ASG-FRAME-(ZZ)-(XX) |
| Replacement Hardware Kit | M-ASG-CB-COM-G5 |

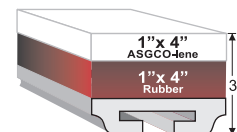
XX - Degree of trougher 20° / 35° / 45°
Y - Length of Impact Bar 2', 4' or 5'
ZZ - Belt Width



STANDARD IMPACT



HD SLIDER

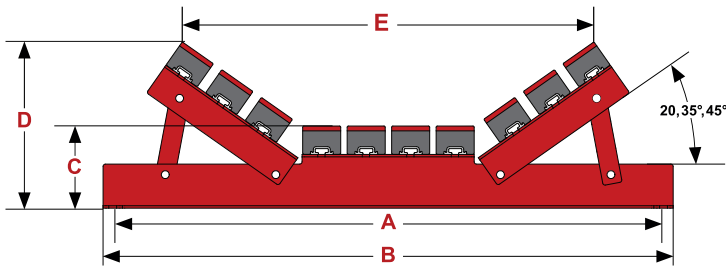


PREMIUM IMPACT

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 skirtboards.
- **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.



| Quarry Duty Impact Bed | | | | | | | | | | | | | |
|--|--|------------|------|----|------|------|-------|-------|-------|-------|-------|-------|----------------|
| Part Number Light Duty Impact Bed 250 lbs. ft. | Part Number Standard Duty Impact Bed 250 lb. ft. | Belt Width | | A | B | C | D | | | E | | | No. of Bars |
| | | in | mm | | | | 20° | 35° | 45° | 20° | 35° | 45° | |
| M-IB-24-Y-2-(XX)-QDLD | M-IB-24-Y-3-(XX)-QDSD | 24 | 600 | 33 | 35.0 | 8.19 | 11.63 | 13.69 | 15.00 | 27.63 | 24.81 | 22.75 | 6 |
| M-IB-30-Y-2-(XX)-QDLD | M-IB-30-Y-3-(XX)-QDSD | 30 | 750 | 39 | 41.0 | 8.19 | 12.31 | 14.88 | 16.44 | 33.44 | 30.06 | 27.63 | 6 |
| M-IB-36-Y-2-(XX)-QDLD | M-IB-36-Y-3-(XX)-QDSD | 36 | 900 | 45 | 47.0 | 8.19 | 13.00 | 16.13 | 17.88 | 39.19 | 35.38 | 32.44 | 7 |
| M-IB-42-Y-2-(XX)-QDLD | M-IB-42-Y-3-(XX)-QDSD | 42 | 1050 | 51 | 53.0 | 8.56 | 14.06 | 17.56 | 19.63 | 44.94 | 40.63 | 37.25 | 9 |
| M-IB-48-Y-2-(XX)-QDLD | M-IB-48-Y-3-(XX)-QDSD | 48 | 1200 | 57 | 59.0 | 8.56 | 14.75 | 18.81 | 21.06 | 50.69 | 45.94 | 40.06 | 10 |

Y - Bed Length 48 or 60 XX - Degree of trough 25° / 30° / 45°

This Chart is based on, Cema C 5" dia idler for sizes. May vary based on customers request.

How to spec the correct impact bed for your conveyor transfer point

Impact Energy Calculation Chart

Largest Material Lump Weight (w)

Drop Height (h)

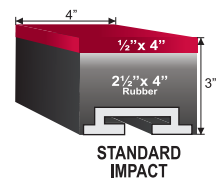
Impact Energy

Lump Weight (w) _____

Drop Height (h) x _____

Total = lb-ft _____

| Standard Impact Replacement Parts | |
|-----------------------------------|---------------------|
| Description | Part Number |
| Impact Rail 3"x4"x4"x60 | ASG-IBRAIL-RU-,5-60 |
| Impact Rail 3"x4"x4"x48 | ASG-IBRAIL-RU-,5-48 |
| Replacement Hardware Kit | M-ASG-CB-COM-G5 |

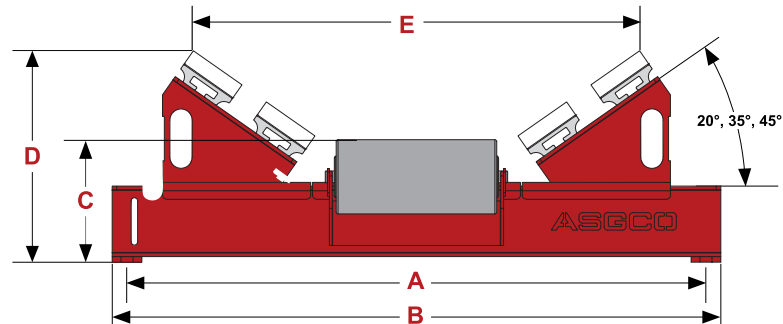
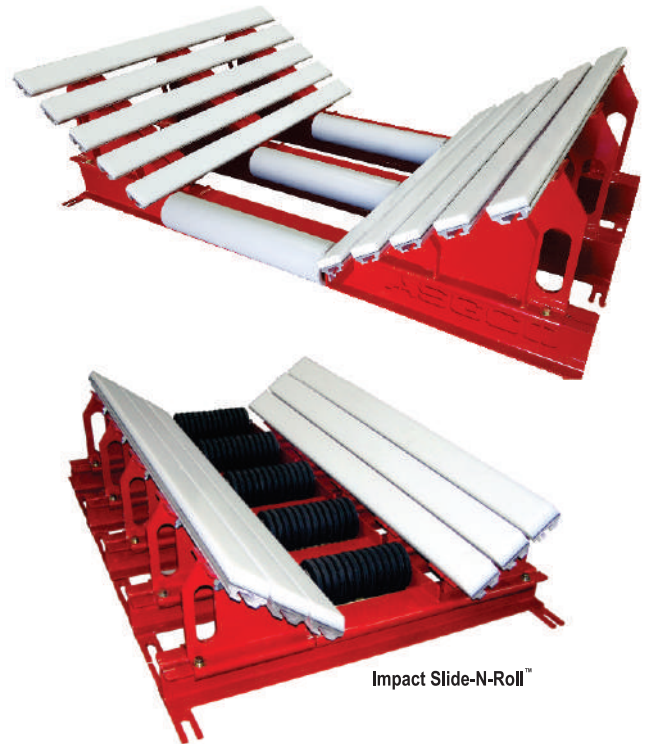


SLIDE-N-ROLL™ BEDS

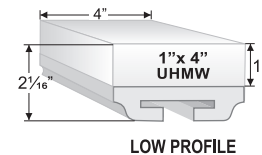
Slide-N-Roll™ Bed

Slide-N-Roll™ Beds provide for an effective load support while helping to eliminate dust and spillage in the conveyor load zone. Replacing the side troughing idlers 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.



| Slide-N-Roll™ | | | | | | | | | | | | |
|----------------------|------------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Part Number | Belt Width | | A | B | C | D | | | E | | | No. of Bars |
| | in | mm | | | | 20° | 35° | 45° | 20° | 35° | 45° | |
| M-S&RLD-18-2-X-Y-XX | 18 | 460 | 27 | 29.0 | 8.31 | 10.81 | 12.44 | 13.88 | 21.88 | 19.56 | 17.94 | 2 |
| M-S&RLD-24-4-X-Y-XX | 24 | 600 | 33 | 35.0 | 8.44 | 11.63 | 13.69 | 15.00 | 27.63 | 24.81 | 22.75 | 4 |
| M-S&RLD-30-4-X-Y-XX | 30 | 750 | 39 | 41.0 | 8.44 | 12.31 | 14.88 | 16.44 | 33.44 | 30.06 | 27.63 | 4 |
| M-S&RLD-36-6-X-Y-XX | 36 | 900 | 45 | 47.0 | 8.44 | 13.00 | 16.13 | 17.88 | 39.19 | 35.38 | 32.44 | 6 |
| M-S&RLD-42-6-X-Y-XX | 42 | 1050 | 51 | 53.0 | 8.81 | 14.06 | 17.56 | 19.63 | 44.94 | 40.63 | 37.25 | 6 |
| M-S&RLD-48-6-X-Y-XX | 48 | 1200 | 57 | 59.0 | 8.81 | 14.75 | 18.81 | 21.06 | 50.69 | 45.94 | 42.06 | 6 |
| M-S&RLD-54-8-X-Y-XX | 54 | 1350 | 63 | 65.0 | 9.25 | 15.88 | 20.25 | 22.88 | 56.44 | 51.81 | 46.94 | 8 |
| M-S&RLD-60-8-X-Y-XX | 60 | 1500 | 69 | 71.0 | 9.25 | 16.56 | 21.44 | 24.31 | 62.19 | 56.50 | 51.75 | 8 |
| M-S&RLD-72-10-X-Y-XX | 72 | 1800 | 81 | 83.0 | 11.50 | 20.44 | 26.38 | 29.69 | 76.56 | 69.44 | 63.06 | 10 |
| M-S&RLD-84-12-X-Y-XX | 84 | 2100 | 93 | 95.0 | 11.75 | 22.06 | 29.88 | 32.75 | 88.06 | 80.00 | 72.75 | 12 |
| M-S&RLD-96-14-X-Y-XX | 96 | 2400 | 105 | 107.0 | 11.75 | 23.44 | 31.19 | 35.56 | 99.56 | 90.65 | 82.44 | 14 |



| Slide-N-Roll™ Replacement Parts | |
|---------------------------------|------------------------|
| Description | Part Number |
| Rail, Low Profile, 1" tk, 4"w | M-LDRAIL-(Y)-(XX) |
| ASGCO® S&R Low Profile Frame | M-S&RLD-FRAME-(XX)-(X) |

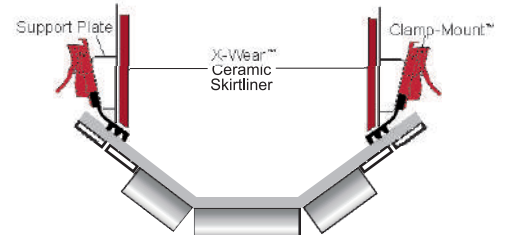
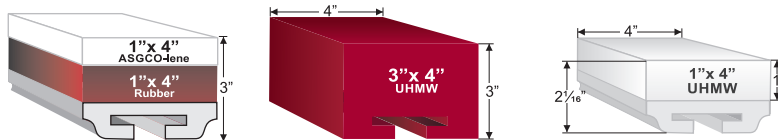
- X** - Belt Width
XX - Degree for trougher 20°/ 35°/ 45°
Y - Length of Impact Bars 2', 4' or 5'

X - Bed Length **XX** - Degree of Trough 20°/35°/45° **Y** - Number of Supports
 This Chart is based on, Cema C 5" dia idler for sizes 18-42 and Cema E 6" dia. idler sizes 48-96.

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

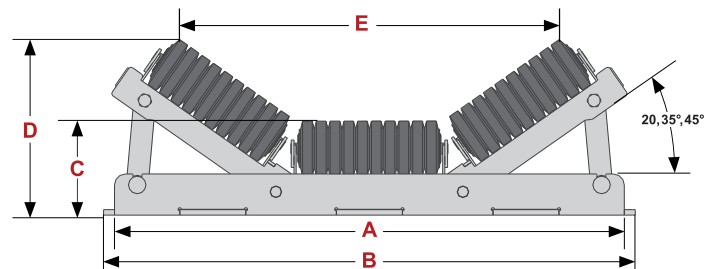
Roller Cassettes Beds incorporate the advantages of slider and impact bars for sealing while maintaining constant rolling support for the conveyor belt in the load zone. This system provides additional rolling support as well as being able to eliminate the deflection between the belt and standard impact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

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

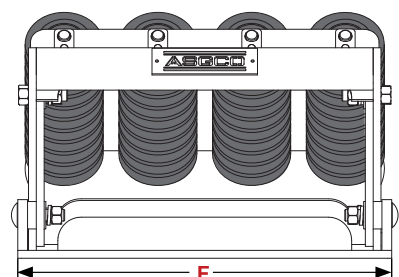
- 9 or 12 idler sets are available.
- 28" wide frame, using 6" (150mm) diameter rolls
- Rolls can be spaced on 5" (125mm) to 7" (175mm) centers based on the roll diameter.
- **Custom Designed** - to suit your particular application.
 - Impact, Steel, or Ceramic rollers are available.
 - Stainless, Galvanized or Steel frames are available.
- **Meets All CEMA Standards** - and is available in any belt width or troughing angle.



Also Available with Steel Rollers



| Roller Cassette Conveyor Belt Impact Bed & Slider | | | | | | | | | |
|---|------------|------|----|------|------|-------|-------|---------|----------|
| Part Number | Belt Width | | A | B | C | D | | F | |
| | in | mm | | | | 35° | 35° | 9 Rolls | 12 Rolls |
| M-ASGRC-24-X-XX | 24 | 600 | 33 | 36.5 | 9.31 | 14.25 | 23 | 16.938 | 27.938 |
| M-ASGRC-30-X-XX | 30 | 750 | 39 | 42.5 | 9.31 | 15.4 | 28.31 | | |
| M-ASGRC-36-X-XX | 36 | 900 | 45 | 48.5 | 9.31 | 61.54 | 33.54 | | |
| M-ASGRC-42-X-XX | 42 | 1050 | 51 | 54.5 | 9.31 | 17.65 | 38.81 | | |
| M-ASGRC-48-X-XX | 48 | 1200 | 57 | 60.5 | 9.31 | 18.84 | 44.12 | | |
| M-ASGRC-54-X-XX | 54 | 1350 | 63 | 66.5 | 9.31 | 19.98 | 49.39 | | |
| M-ASGRC-60-X-XX | 60 | 1500 | 69 | 72.5 | 9.31 | 21.14 | 54.69 | | |
| M-ASGRC-72-X-XX | 72 | 1800 | 81 | 84.5 | 9.31 | 24.43 | 65.23 | | |



X - Number of rollers, 9 or 12 XX - Degree of trough 20°/ 35°/ 45°

*Specify idlers, Impact or Steel

SLIDER-LER

Slide-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.

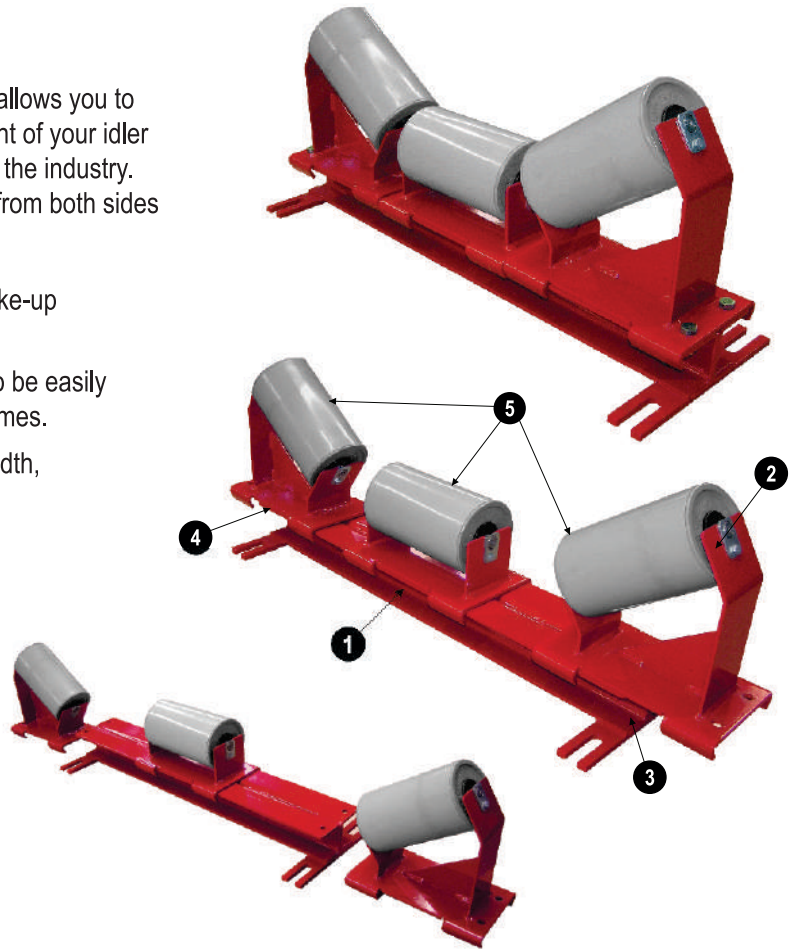
- **Perfect for Confined Spaces** – due to the frames only take-up 8" (200mm) of width when using 6" (150mm) rollers.
- **Improves Safety** – and maintenance by allowing rollers to be easily removed without having to remove any of the belt idler frames.
- **Meets all CEMA Standards** – and available in any belt width, troughing angle or idler.

| Slide-Ler™ | | |
|----------------------|------------|------|
| Part Number | Belt Width | |
| | in | mm |
| M-ASG-SLIDELER-18-XX | 18 | 450 |
| M-ASG-SLIDELER-24-XX | 24 | 600 |
| M-ASG-SLIDELER-30-XX | 30 | 750 |
| M-ASG-SLIDELER-36-XX | 36 | 900 |
| M-ASG-SLIDELER-42-XX | 42 | 1050 |
| M-ASG-SLIDELER-48-XX | 48 | 1200 |
| M-ASG-SLIDELER-54-XX | 54 | 1350 |
| M-ASG-SLIDELER-60-XX | 60 | 1500 |
| M-ASG-SLIDELER-72-XX | 72 | 1800 |
| M-ASG-SLIDELER-84-XX | 84 | 2100 |
| M-ASG-SLIDELER-96-XX | 96 | 2400 |

XX - Degree in trough 20°, 35° and 45°

Components

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

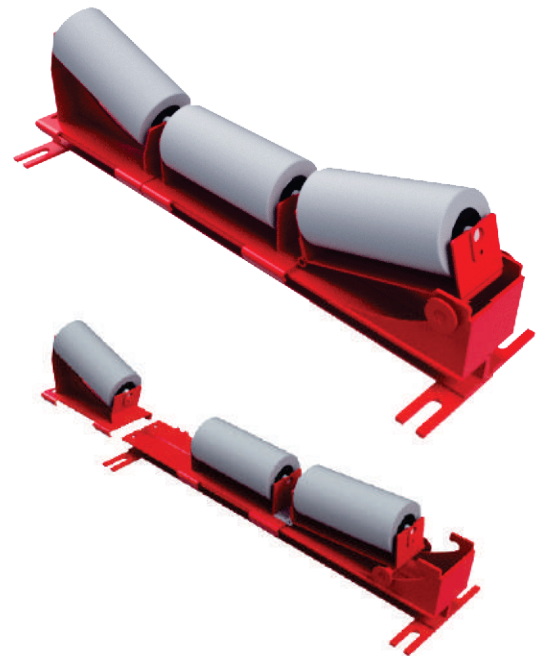


One Sided Slide-Ler™

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 against 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.

| Slide-Ler™ (One Sided) | | |
|-------------------------|------------|------|
| Part Number | Belt Width | |
| | in | mm |
| M-ASG-OS-SLIDELER-18-XX | 18 | 450 |
| M-ASG-OS-SLIDELER-24-XX | 24 | 600 |
| M-ASG-OS-SLIDELER-30-XX | 30 | 750 |
| M-ASG-OS-SLIDELER-36-XX | 36 | 900 |
| M-ASG-OS-SLIDELER-42-XX | 42 | 1050 |
| M-ASG-OS-SLIDELER-48-XX | 48 | 1200 |
| M-ASG-OS-SLIDELER-54-XX | 54 | 1350 |
| M-ASG-OS-SLIDELER-60-XX | 60 | 1500 |
| M-ASG-OS-SLIDELER-72-XX | 72 | 1800 |
| M-ASG-OS-SLIDELER-84-XX | 84 | 2100 |
| M-ASG-OS-SLIDELER-96-XX | 96 | 2400 |

XX - Degree in trough 20°/ 35°/ 45°



INDUSTRY APPLICATIONS



Impact Cradle Bed



3 Roll Slide-N-Roll



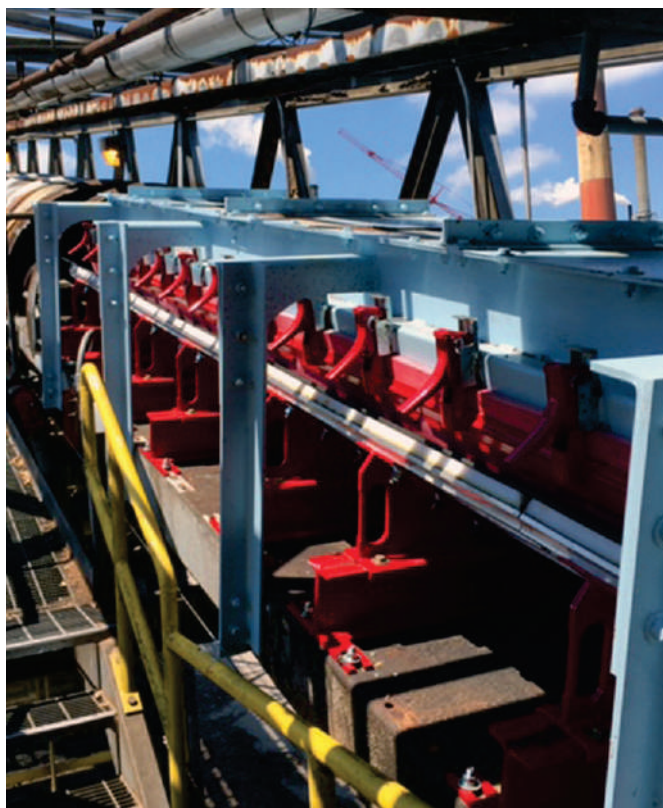
Roller Cassette Beds



Impact Cradle Bed and Slide-Ler™



Slide-Ler™



Slide-N-Roll™

