

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

load zone support systems

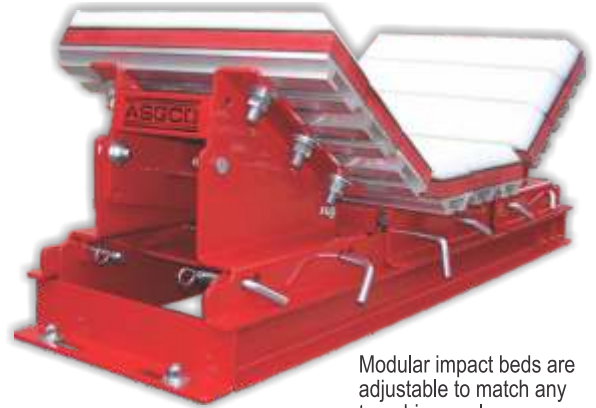


Modular Impact/Idler Beds

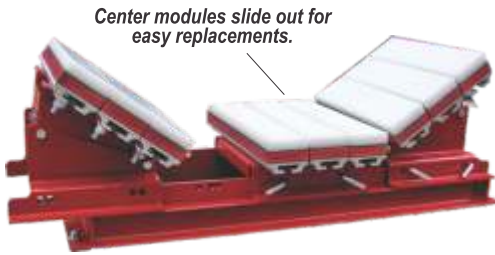
Modular Design Allows for Easy Maintenance

ASGCO's **Modular Impact Beds** are 18" long by belt width and are designed for easy change out and maintenance. By simply loosening four pins per segment you can remove the center portion of the bed from either side of the conveyor. ASGCO's impact bars allow tightest segment fit in the industry, eliminating potential material from getting caught in between the bars.

- **Provide for Load Support** - while helping to eliminate spillage in the load zone.
- **Only Manufacturer Providing Super Absorbent ORG Rubber** - that is 40 Durometer and readily takes the shock of large material.
- **Superior Resistance Against Impact** - with two 3" channel cross support members on all impact beds.
- **Multiple 18" Beds** - can be assembled to make 18", 36", 54", etc.
- **Adjustable Wings** - to match any troughing angle. (20°, 35°, 45°)



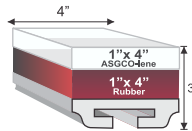
Modular impact beds are adjustable to match any troughing angle.



Center modules slide out for easy replacements.

- Bolt cross-frame into conveyor
 - Slide center section into center of cross-frame
 - Slide 2 wing frames into each side
 - Pin in place
- Installation is complete!**

Available with steel or impact rolls as an option.

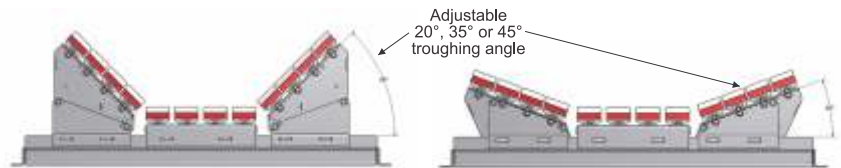
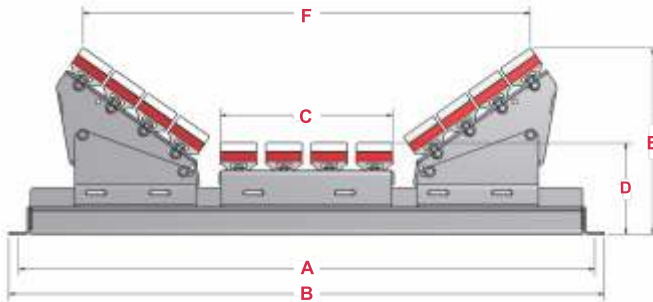


45° Modular Impact Bed with 3 steel idlers

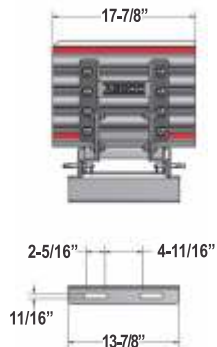


45° Modular Impact Bed with 3 rubber impact idlers

45° Modular Impact Bed with rubber impact center roll.



Adjustable 20°, 35° or 45° troughing angle



BW (in)	Part Number	Dimensions (in)										No. of Bars
		A	B	C	D	E			F			
						20°	35°	45°	20°	35°	45°	
24	M-MIB-24-6-18-2-Y	33	35.5	8.88	9.25	12.45	14.45	15.67	26.75	24.31	22.07	6
30	M-MIB-30-6-18-2-Y	39	41.5	10.31	9.63	12.79	14.84	16.01	30.32	27.94	25.56	6
36	M-MIB-36-9-18-2-Y	45	47.5	12.88	9.63	13.96	16.87	18.57	37.29	34.07	31.37	9
42	M-MIB-42-9-18-2-Y	51	53.5	14.88	9.63	14.47	17.70	19.58	41.94	38.50	35.28	9
48	M-MIB-48-12-18-2-Y	57	59.5	16.88	10.00	15.79	19.66	21.89	49.31	45.31	41.61	12
54	M-MIB-54-12-18-2-Y	63	65.5	18.88	10.00	16.22	20.38	22.77	53.44	49.06	44.81	12
60	M-MIB-60-15-18-2-Y	69	71.5	20.88	10.00	17.26	22.08	24.80	61.19	55.97	51.45	15
72	M-MIB-72-18-18-2-Y	81	83.5	24.88	10.38	18.94	24.69	28.01	72.54	66.61	61.04	18
84	M-MIB-84-21-18-2-Y	93	95.5	28.88	10.38	20.31	26.98	30.84	84.13	77.15	70.69	21
96	M-MIB-96-24-18-2-Y	105	107.5	32.88	10.75	22.05	29.66	34.05	95.64	87.71	80.34	24

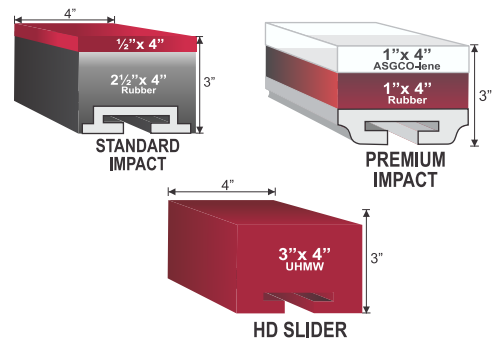
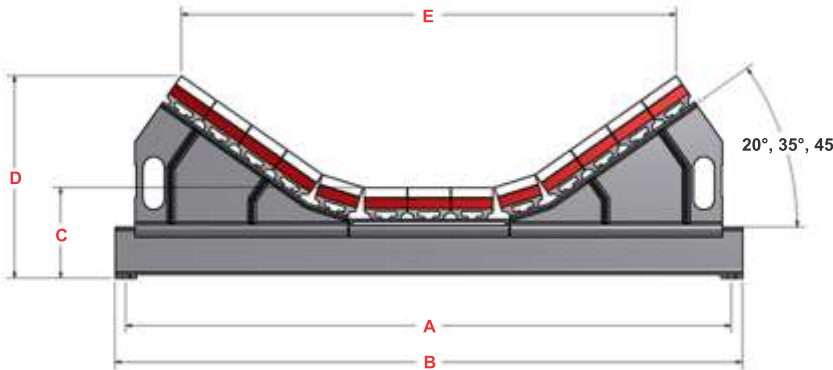
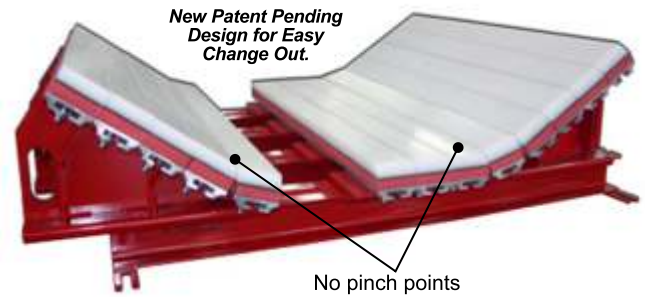
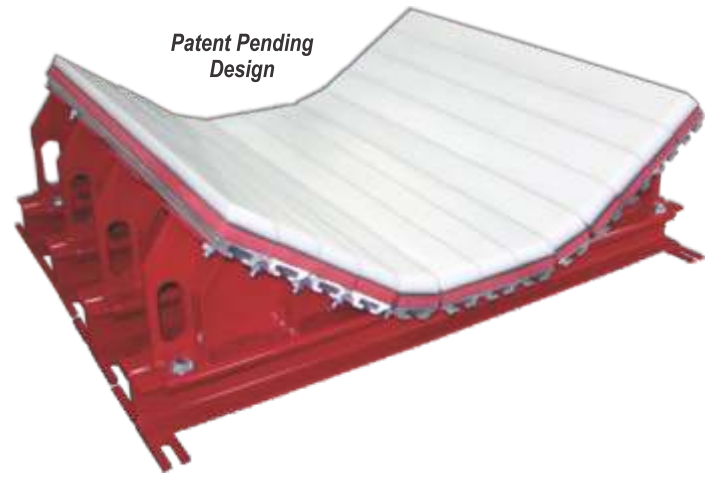
Y- represents troughing angle

Load Zone Support - Impact Bed Cradle

Impact Bed Cradle™

ASGCO®'s **Impact Bed Cradles** are (patent Pending) designed to provide protection to your conveyor belt from impact damage from large rocks, tramp metal, roof bolts or bucket teeth 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. The Impact Bed Cradles support the conveyor belt across the entire width using our unique semi-U-shaped design that eliminates any unsupported areas between the rollers or bars on traditional impact idlers or traditional impact beds where typical damage can occur in the idler junction points. The Impact Bed Cradles consist of a heavy duty frame with removable (Slide-in or Slide-out) sides and center sections for ease of installation and maintenance.

- **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.
- **Available in Either** - standard duty (1,000 ft/lbs) or mine duty (2,000 ft/lbs) of impact.



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

Y - represents bed length (48 or 60) Z - represents number of supports (4 or 5) (XX) = degree of trough (25/30/45)
 Impact bed Cradles over 2,000 lbs. please call for information.

Load Zone Support - Slide-N-Roll™ Beds

Slide-N-Roll™ Beds

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

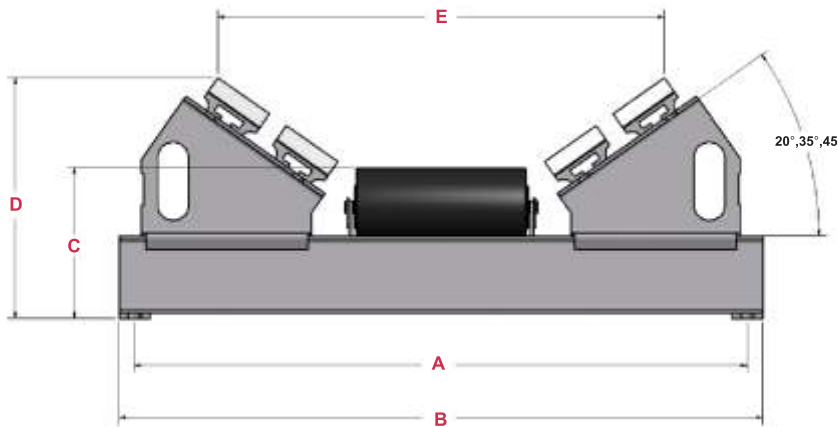
- **Increase Belt Life** - by eliminating the gaps, scalloping and pinch points between the belt and the skirt liners which can cut and gouge the belt, are eliminated.
- **Seals the Transfer Point** - by supporting the belt edge on a flat surface that allows the skirting to work more effectively for 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.



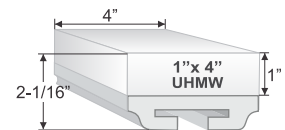
Standard Slide-N-Roll™



Slider bars are easy to remove and replace.



Impact Slide-N-Roll™



LOW PROFILE

BW (in)	Part Number	Dimensions (in)									Num of Bars
		A	B	C	D			E			
					20°	35°	45°	20°	35°	45°	
18	M-S&RLD-18-2-Y-Z	27	29.0	8.31	10.81	12.44	13.88	21.88	19.56	17.94	2
24	M-S&RLD-24-4-Y-Z	33	35.0	8.44	11.63	13.69	15.00	27.63	24.81	22.75	4
30	M-S&RLD-30-4-Y-Z	39	41.0	8.44	12.31	14.88	16.44	33.44	30.06	27.63	4
36	M-S&RLD-36-6-Y-Z	45	47.0	8.44	13.00	16.13	17.88	39.19	35.38	32.44	6
42	M-S&RLD-42-6-Y-Z	51	53.0	8.81	14.06	17.56	19.63	44.94	40.63	37.25	6
48	M-S&RLD-48-6-Y-Z	57	59.0	8.81	14.75	18.81	21.06	50.69	45.94	42.06	6
54	M-S&RLD-54-8-Y-Z	63	65.0	9.25	15.88	20.25	22.88	56.44	51.81	46.94	8
60	M-S&RLD-60-8-Y-Z	69	71.0	9.25	16.56	21.44	24.31	62.19	56.50	51.75	8
72	M-S&RLD-72-10-Y-Z	81	83.0	11.50	20.44	26.38	29.69	76.56	69.44	63.06	10
84	M-S&RLD-84-12-Y-Z	93	95.0	11.75	22.06	29.88	32.75	88.06	80.00	72.75	12
96	M-S&RLD-96-14-Y-Z	105	107.0	11.75	23.44	31.19	35.56	99.56	90.65	82.44	14

Y - represents bed length Z - represents number of supports

This Chart is based on, Cema C 5" dia idler for sizes 18-42 and Cema E 6" dia. Idler for sizes 48-96.

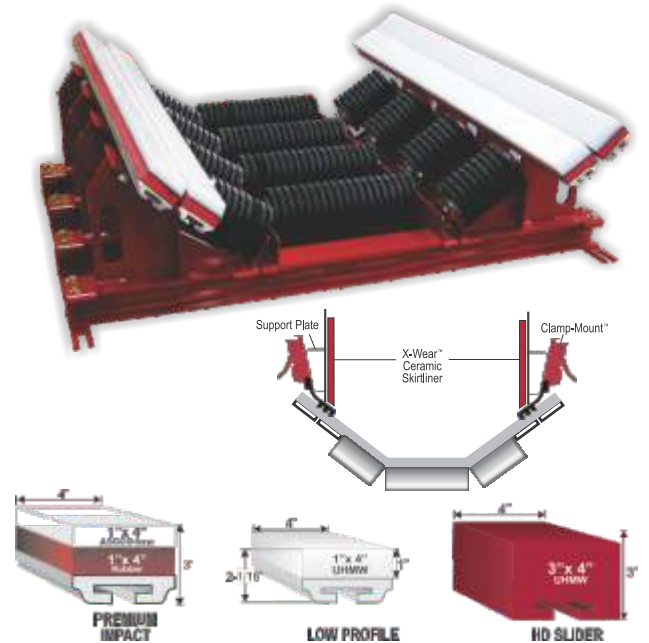
Load Zone Support - Slide-N-Roll™ Beds/Roller Cassettes

3 Roll Slide-N-Roll™ Beds

ASGCO®'s patented **3-Roll Slide-N-Roll™ Beds** is the ultimate in loading zone spillage control for wide, high speed and high tonnage conveyor belts as seen in below ground, above ground mining and port facilities. 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.
- **Robust Design** - for the toughest applications in the material handling industry.
- **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.

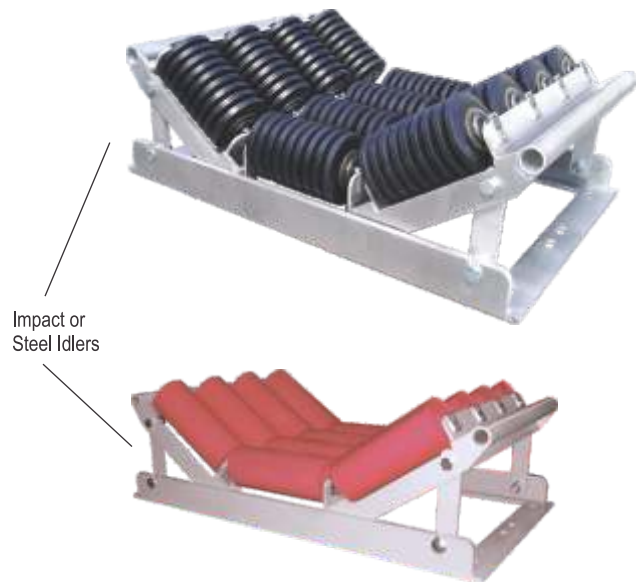
For additional sizes contact ASGCO®



Roller Cassette Beds

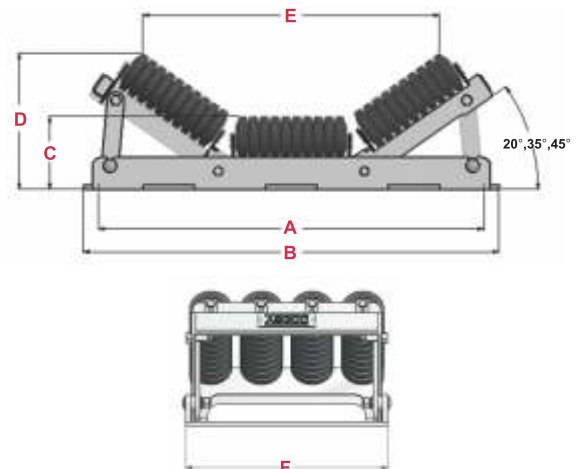
Roller Cassettes Beds incorporate the advantages of slider and impact bars for sealing while maintaining constant rolling support for the conveyor belt in the load zone. This system provides additional rolling support as well as being able to eliminate the deflection between the belt and standard impact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



Roller Cassette Beds

BW (in)	Part Number	Dimensions (in)					Number of Rolls	
		A	B	C	D 35°	E 35°	F 9	F 12
24	M-ASGRC-24-Y-Z	33	36.5	8.65	13.70	24.07	16.938	23.94
30	M-ASGRC-30-Y-Z	39	42.5	8.65	14.86	29.37		
36	M-ASGRC-36-Y-Z	45	48.5	8.65	15.99	34.61		
42	M-ASGRC-42-Y-Z	51	54.5	8.65	17.14	39.88		
48	M-ASGRC-48-Y-Z	57	60.5	8.65	18.29	45.18		
54	M-ASGRC-54-Y-Z	63	66.5	8.65	19.44	50.45		
60	M-ASGRC-60-Y-Z	69	72.5	8.65	20.60	55.75		
72	M-ASGRC-72-Y-Z	81	84.5	8.65	22.89	66.29		



Y - represents the number of rolls (9 or 12) Z - represents troughing angle

This chart is based on Cema D 6" dia impact rolls with 35° troughing angle. For additional sizes or troughing angles contact ASGCO®

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