



Fully Supported with *Martin* Impact Beds

Martin Impact Beds support the entire width of the belt.

Martin's design ensures there are no unsupported areas.



Martin Impact Beds are engineered to provide protection to your conveyor belt and structure due to impact damage from bulk materials being loaded onto the belt. Loading damage to the belt could affect the continuous running of your conveyor. *Martin* Impact Beds are engineered to provide impact protection and to reduce spillage in the conveyor loading zone.

Uses of *Martin* Impact Beds

- Material (lump) size, weight and drop height can cause considerable impact force that damages the conveyor belt and structure. The proper *Martin* Impact Bed needs to be chosen to absorb the impact energy and minimize any damage.
- *Martin* Impact Beds allow skirting down against a solid bar, potentially reducing material spillage.
- Proper *Martin* Impact Bed Selection Requirements:
 - » Belt Width
 - » Troughing Angle
 - » Roller Diameter and CEMA Rating (typically 5" or 6" and CEMA C, D, and E)
 - » Bed Length
 - » Drop Height, Lump Size, and Material Density

Features of Stock *Martin* Impact Beds

- **Absorbs Impact** – *Martin* Impact Beds are designed with heavy-duty C-channel steel framework and standard 3" x 4" rubber impact bars that absorb the shock of heavy loads.
- **¾" UHMW cap on the bar provides longer wear life.** The UHMW has a low coefficient of friction, reducing drag.
- **Construction** – 4' beds have 4 legs & 5' beds have 5 legs.
- **Standard Models (4' & 5' lengths)** – *Martin* Impact Beds are adjustable to 20° or 35° and can be laid flat if needed.
- **MTO 45° *Martin* Impact Beds** are available.

Benefits

Martin Impact Beds are engineered to offer an efficient and safe means of dispersing impact force, reducing material rebound and to assist in eliminating spillage in the loading zone. *Martin* Impact beds are designed to meet today's demanding material handling applications by offering the following benefits:

- **Protects the conveyor belt**
- **Easy and safe installation**
- **Improved transfer point sealing over standard impact idlers**
- **Adjustable Wing Angle**
- **Medium Duty – up to 750 lb-ft**
- **Impact Beds are stocked in 24" – 48" belt widths**
- **Compliments Roll height for CEMA C and D Idlers**

Learn more about *Martin* and Material Handling solutions at:
martinsprocket.com • 817.258.3000



Impact Bed Selection Guide



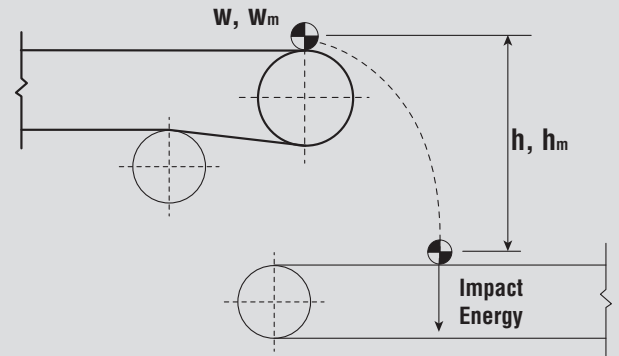
Impact Bed to be installed minimum of 1/2" lower than idlers.
Belt should only make contact with impact bed under load.

**Bolting Dimension
Across Structure**

Martin Impact Beds

Part Number	Description	Part Number	Description
S4-35IB-18-4	18" BW 4' IMPACT BED	S5-35IB-42-5	42" BW 5' IMPACT BED
S4-35IB-18-5	18" BW 5' IMPACT BED	S5-35IB-48-4	48" BW 4' IMPACT BED
S4-35IB-24-4	24" BW 4' IMPACT BED	S5-35IB-48-5	48" BW 5' IMPACT BED
S4-35IB-24-5	24" BW 5' IMPACT BED	S5-35IB-54-4	54" BW 4' IMPACT BED
S4-35IB-30-4	30" BW 4' IMPACT BED	S5-35IB-54-5	54" BW 5' IMPACT BED
S4-35IB-30-5	30" BW 5' IMPACT BED	S5-35IB-60-4	60" BW 4' IMPACT BED
S4-35IB-36-4	36" BW 4' IMPACT BED	S5-35IB-60-5	60" BW 5' IMPACT BED
S4-35IB-36-5	36" BW 5' IMPACT BED	S5-35IB-72-4	72" BW 4' IMPACT BED
S4-35IB-42-4	42" BW 4' IMPACT BED	S5-35IB-72-5	72" BW 5' IMPACT BED
S4-35IB-42-5	42" BW 5' IMPACT BED	S6-35IB-18-4	18" BW 4' IMPACT BED
S4-35IB-48-4	48" BW 4' IMPACT BED	S6-35IB-18-5	18" BW 5' IMPACT BED
S4-35IB-48-5	48" BW 5' IMPACT BED	S6-35IB-24-4	24" BW 4' IMPACT BED
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Impact Energy Calculation Chart



$$\begin{aligned} \text{Lump Weight (w)} &= \text{Lump Size (cu.ft.)} \times \text{Density} \\ &= \text{_____ lb} \\ \text{Drop Height (h)} &= \text{_____ ft} \\ \text{Impact Energy} &= \text{Lump Weight} \times \text{Drop Height} \\ &= \text{_____ lb-ft} \end{aligned}$$

Martin 'S' bed rated to 750 lb-ft

Martin Replacement Impact Bars

Part Number	Description
IBB-48	Replacement bar for 4ft impact beds
IBB-60	Replacement bar for 5ft impact beds



**Free
Download
Martin Idlers
Catalog**

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