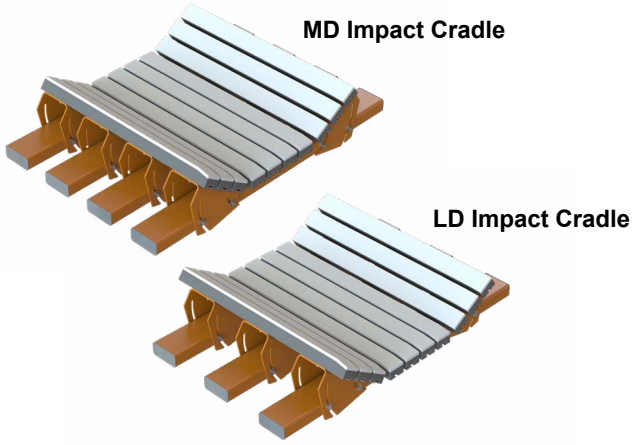
Martin®
Impact Cradles

Installed under a belt conveyor loading zone, the **Martin® Impact Cradles** absorb the force of falling material to prevent damage to the belt and structure. The impact cradles stabilize the belt line to prevent material escape.



BENEFITS

- **Metric Design**
  The Martin® MD Impact Cradle and Martin® LD Impact Cradle are dimensionally adapted to metric conveyor systems and can be combined with European Martin® Slider Cradles and Martin® Trac-Mount™ Idlers.
- **Versatile**
  Fits conveyors with trough angles from 10° to 45°. Upgrade from light to medium duty possible, due to its modular design.
- **Easy Maintenance**
  3-piece construction allows to remove outer parts easily to enable a simple and safe maintenance and repair work.
- **Engineered to Fit Your Conveyor**
  Adjustment options for height (by using shims of different sizes) width (by slotted holes on the bottom side of the cross beams) and troughing angle eliminate the need for customisation for most applications.
- **Accommodates Most Belt Speeds**
  Suitable for use with belts traveling up to 3.3 m/s. For belts traveling faster than 3.3 m/s Martin Engineering recommends using a Martin® High Speed Impact Cradle.

SPECIFICATIONS

Belt Width (mm)	Trough Angles	Maximum Belt Speed (m/sec.)	Operating Temperature (°C)	Reversing operation
500 - 1800	10° - 45°	3,3	-30 - +80	Yes

NOMENCLATURE 41800 - XXX X X

P/N Prefix
Belt Width (cm)
Type
L - Light Duty acc. To CEMA 575
M - Medium Duty acc. To CEMA 575
Material option
P - Painted Steel (1.0038 / RAL 2004)
S - Stainless Steel (1.4571)

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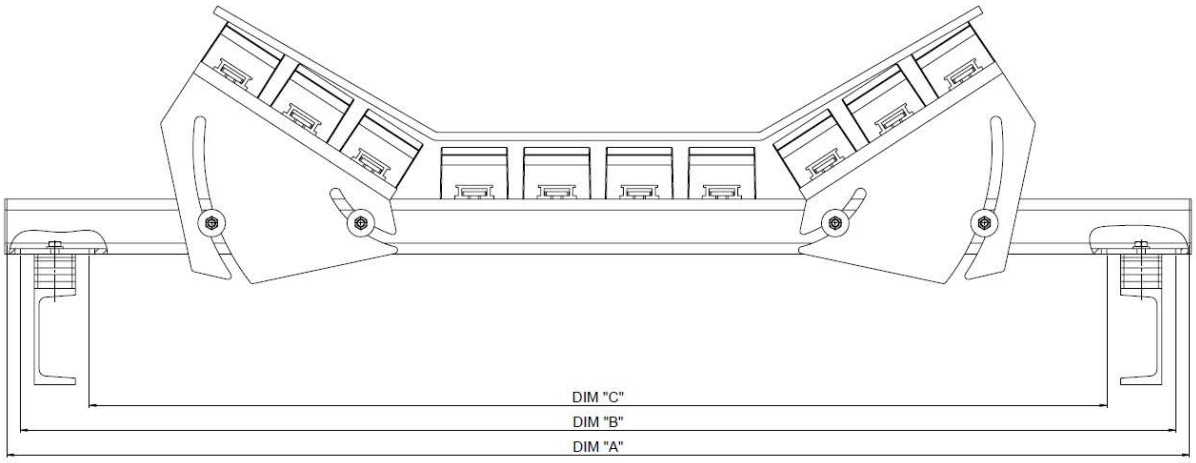
DIMENSIONS (MM)

Belt Width in mm	Type	Frame Width (mm) Dim. A	max. Mounting Centers (mm) Dim. B	min. Mounting Centers (mm) Dim. C	Bars (pcs.)
500	MD / LD	920	880	680	6
650	MD / LD	1070	1030	830	6
800	MD / LD	1270	1230	1030	7
1000	MD / LD	1470	1430	1230	9
1200	MD / LD	1720	1680	1480	10
1400	MD / LD	1920	1880	1680	12
1600	MD	2170	2130	1930	13
1800	MD	2370	2330	2130	15



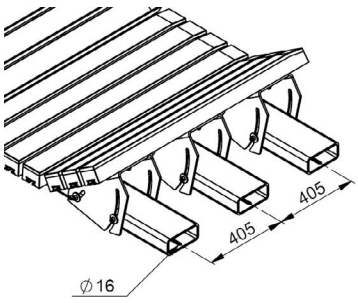
NOTES

Make sure impact cradle surface is approx. 13 mm below troughed belt and approx. 6 mm below flat belt in empty condition.

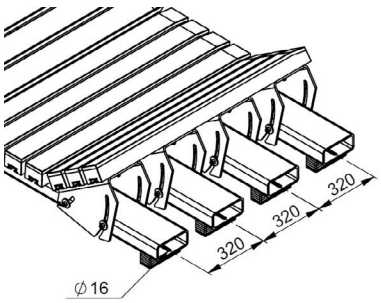
This allows the belt to absorb impact while avoiding continuous friction and wear if the belt is running empty.

When installing one or more Martin® Impact Cradles, it is necessary to verify there is adequate power in the conveyor drive to compensate for the additional frictional drag. Consult Martin Engineering for additional information.

LD Cradle



MD Cradle



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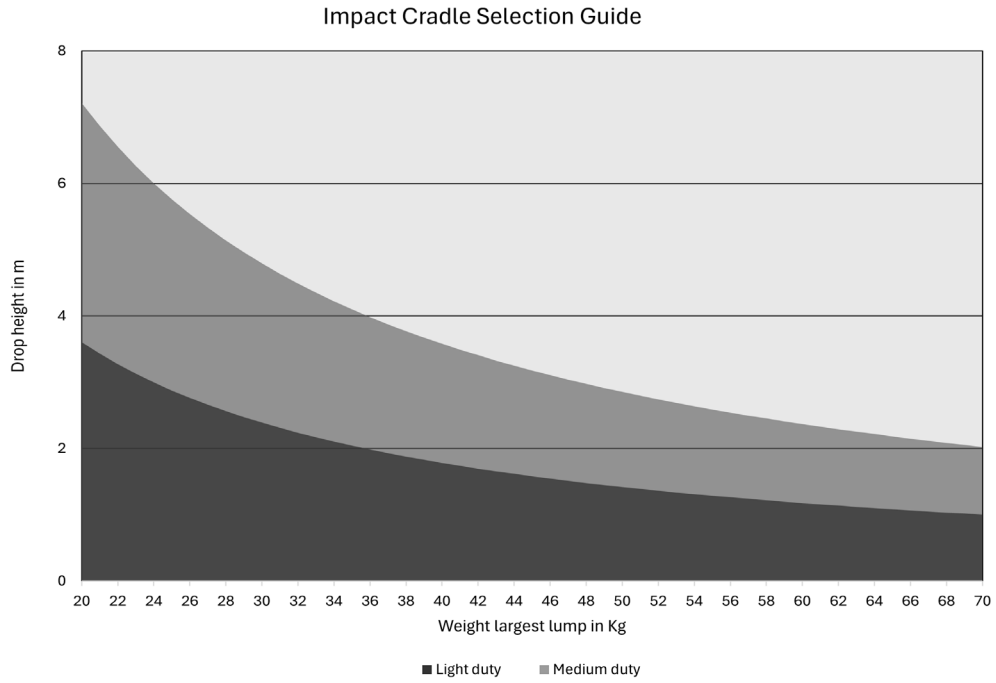


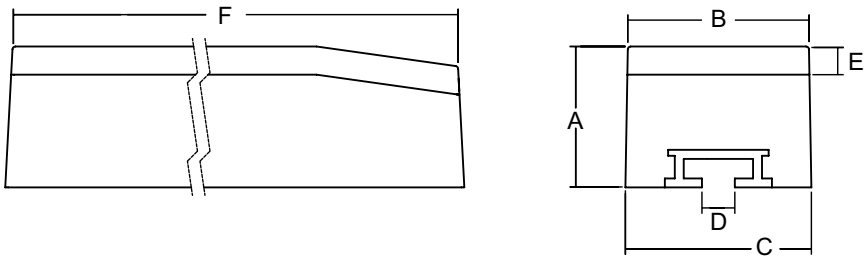
MARTIN® IMPACT BAR

Characteristics	
Coefficient of Friction	0.5
Bar Construction	
Bearing Layer	UHMW Polyethylene
Absorption Layer	60A Durometer SBR Rubber
T-Slot	Aluminum
Fasteners	T-Bolts

Martin® Impact Bars absorb the punishment of loading zone impact, preventing damage to equipment and stabilizing the belt line to control fugitive material. Each bar is anchored with four bolts for Martin® MD Impact Cradle and three bolts for Martin® LD Impact Cradle for easy replacement.

IMPACT BAR DIMENSIONS - mm

	A	B	C	D	E	F	P/N
Rubber Bar	75	97	102	18	12	1220	31617



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