

IMPACT BED

Absorb the impact of falling material

Used in the loading area of the belt conveyor.

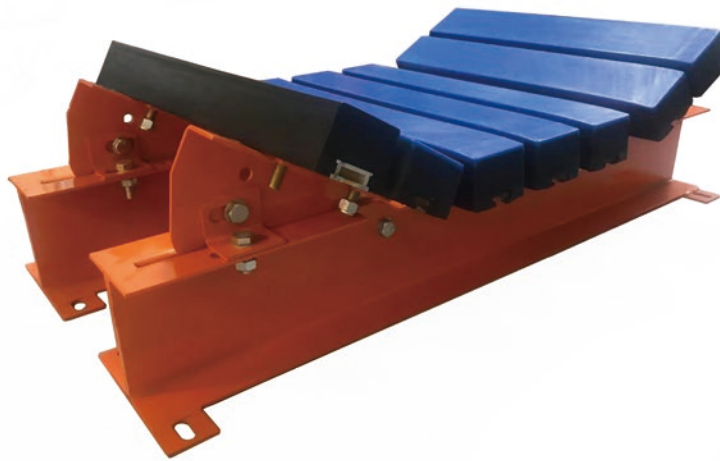
Reduce material leakage.

Replace the traditional cushion rollers.



IMPACT BED

Impact bed is used in the loading area of conveyor belt to replace the traditional cushion rollers. It is designed to absorb impact which will dramatically decrease impact from the falling materials to reduce the damage to the structure.



Type of impact bed

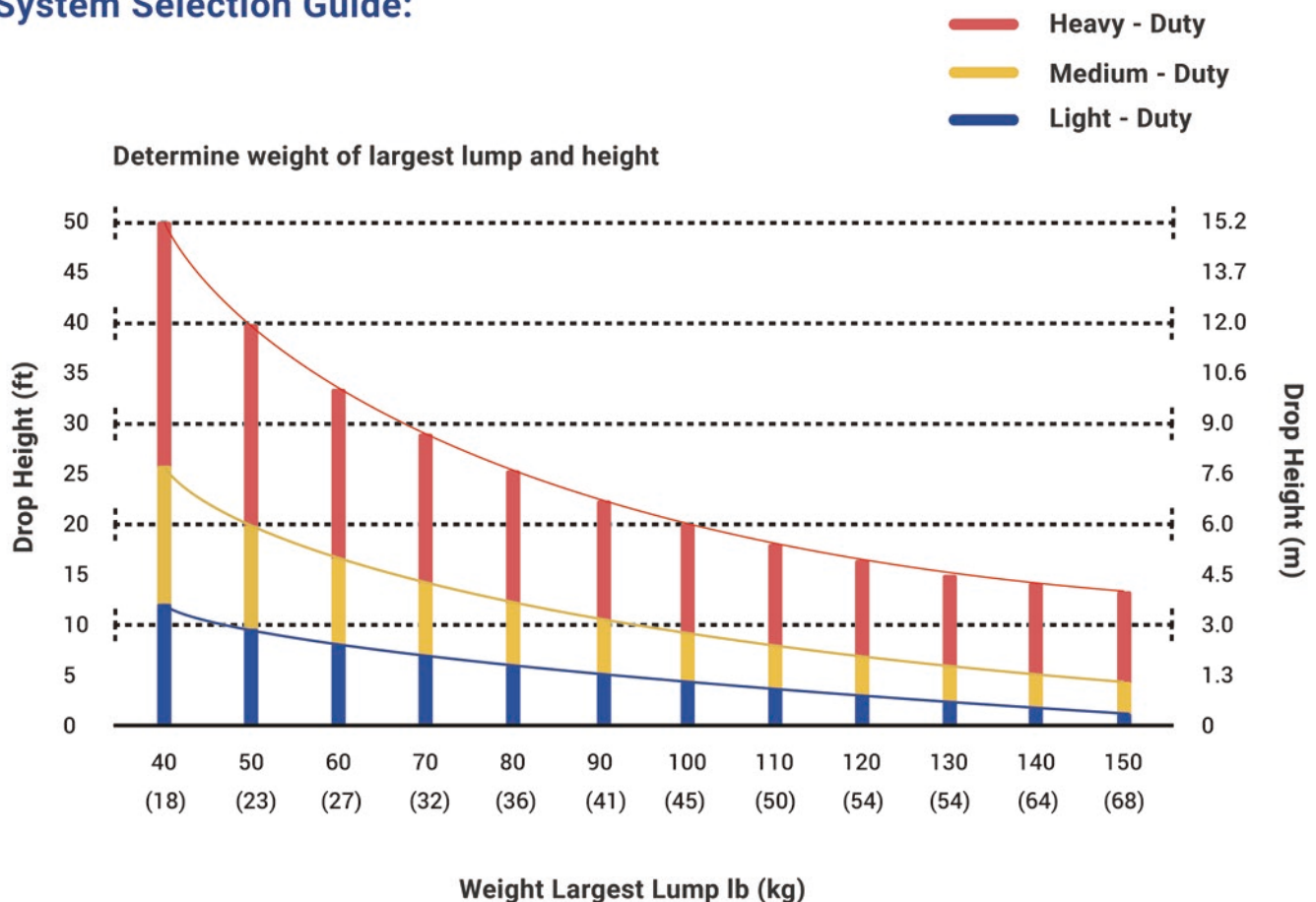
According to loading capacity:

- Light duty impact bed.
- Medium duty impact bed,
- Heavy duty impact bed.

According to support structures:

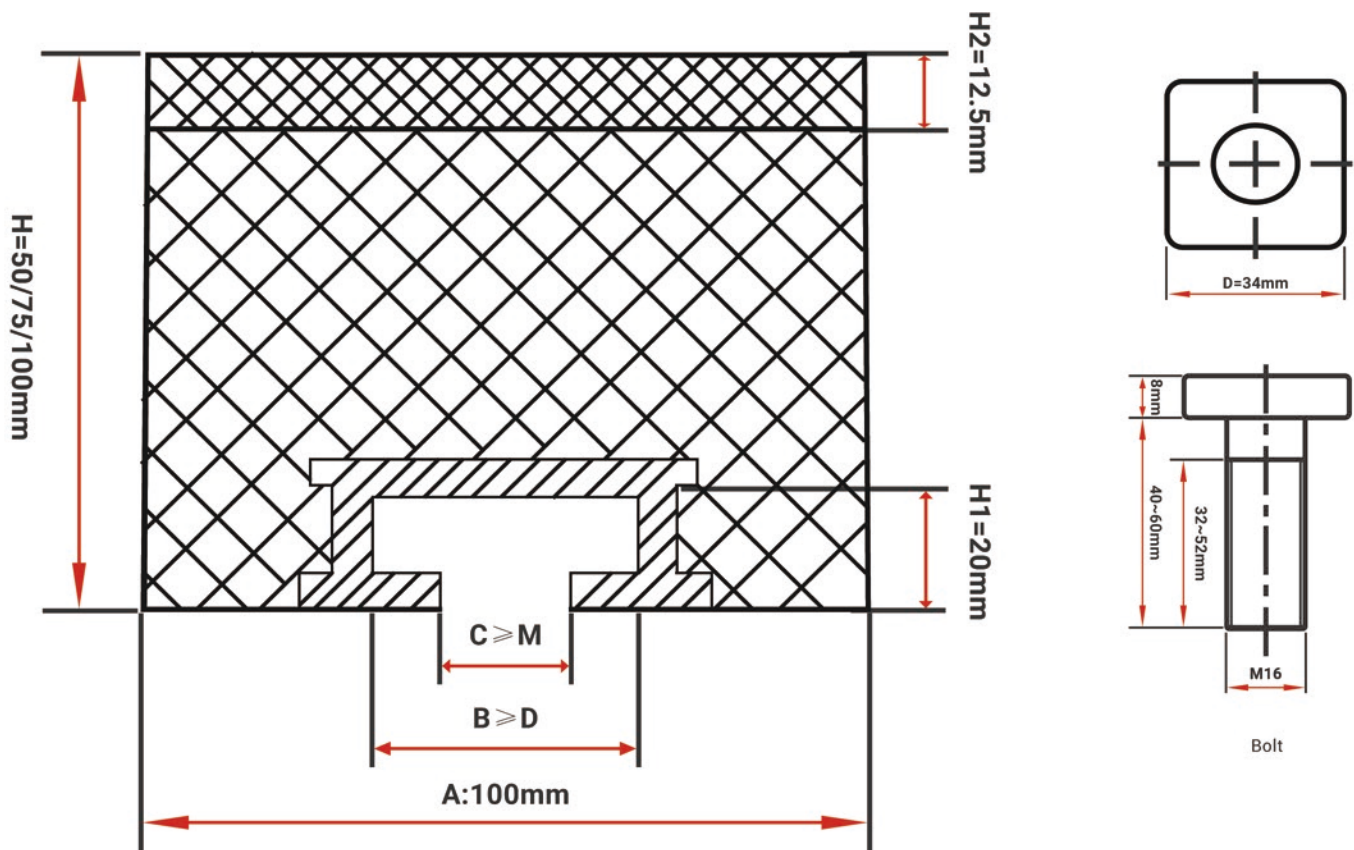
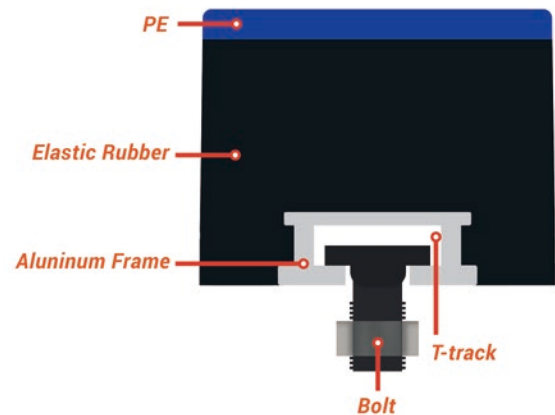
- Adjustable impact bed
- Fixed impact bed.

System Selection Guide:

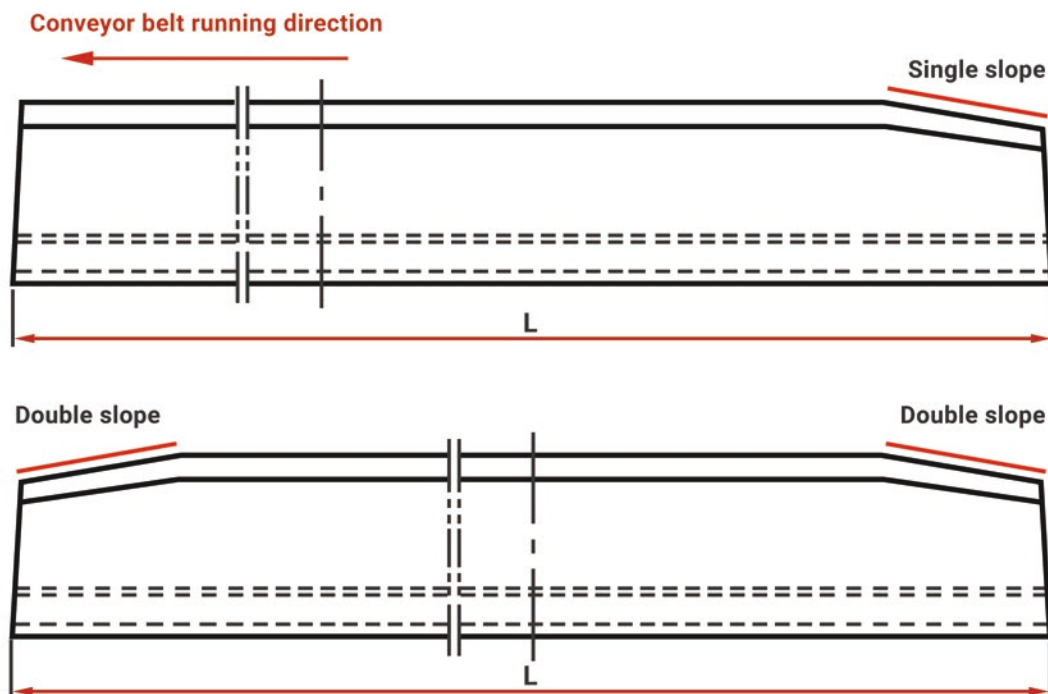


IMPACT BAR

- ▶ PE mainly height in 12.5mm, high wear resistance, low friction coefficient and high impact toughness.
- ▶ The highly elastic rubber buffer layer absorbs the impact energy of falling materials on the conveyor belt;
- ▶ The high-strength metal frame can withstand large load impact without deformation;
- ▶ Steel bolts increase overall fastening;
- ▶ The "T-track" device makes the buffer strip have different fastening points in the whole length to ensure the connection is firm and reliable and easy to disassemble.
- ▶ The various parts are connected by hot vulcanizing technique.



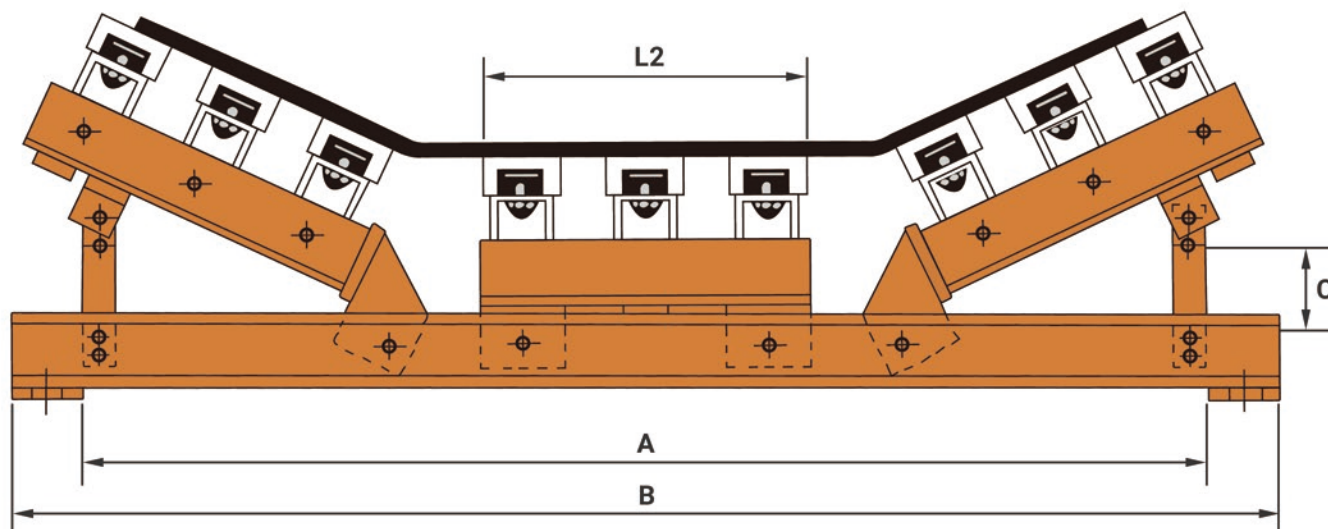
Shape of impact bar



Note: The single slope is directional and runs in the opposite direction to the conveyor belt, while a double slope is not directional.(Refer to figure 1)

Performance Parameters:

Item	Parameter		Standard type	High elastic type	Downhole type
UHMWPE Part	Color		Blue	Blue	Black
	Tensile breaking strength	Mpa	23	23	20
	Elongation at break	%	300	300	250
	Hardness	Shore A	60-70	60-70	65-75
	Abrasion	cm ³	0.053	0.053	0.08
	Density	g/cm ³	0.93-0.94	0.93-0.94	1.13
High Elastic Rubber Part	Hardness	Shore A	60-65	45-50	60-65
	Strength of Extension	Mpa	19	19	19
	Elongation at break	%	400	400	400
Metal Part	Type		Aluminium alloy		
Bond Strength	Bonding of PE & rubber	N/mm	≥10	≥10	≥10
	Bonding of metal & rubber	N/mm	≥10	≥10	≥10



Specifications:

Order No	Belt width (mm)	Impact bar (mm)	A (mm)	B (mm)	C (mm)	L2 (mm)	Impact bar			Weight(kg)		
							Left	Middle	Right	50mm	75mm	100mm
RIT-IB-650	650	1220	890	950	185	240	2	2	2	9	11	16
RIT-IB-800	800	1220	1090	1150	188	270	2	2	2			
RIT-IB-1000	1000	1220	1290	1350	216	370	3	3	3			
RIT-IB-1200	1200	1220	1540	1600	246	420	3	3	3	10.5	12.5	18.5
RIT-IB-1400	1400	1400	1750	1810	251	500	4	4	4			
RIT-IB-1600	1600	1400	1990	2050	296	580	4	4	4			
RIT-IB-1800	1800	1524	2210	2280	315	710	5	5	5	11.5	14	20
RIT-IB-2000	2000	1524	2420	2500	342	720	5	5	5			





**Room E903, Jianye Five Building, Shangdu Road,
New Eastern District, Zhengzhou, China. 450008**

TEL: +86-371-66346399

Fax: +86-371-66346399

Website: www.ssdzj.com