



ADVANTAGES OF UHMW BOARD

- 01** It has a high wear resistance, being the best among plastics. Compared with metals, it is 9 times higher than stainless steel, and in erosion environments, its wear resistance is about 20 times that of A3 steel.
- 02** It has a high impact resistance, with an impact strength twice that of PC and five times that of ABS.
- 03** It is lightweight, with a specific gravity of only 1/8 that of steel.
- 04** High lubricity, with a relatively low friction coefficient ranging from approximately 0.05 to 0.11, and excellent self-lubrication performance.
- 05** Excellent water resistance. The water absorption of UHMW is relatively low, at 0.01%, which is only 0.1% of that of PA6.
- 06** Excellent non-stick property, with extremely weak surface adhesion.
- 07** Excellent chemical corrosion resistance. It can withstand various corrosive media (acids, bases, salts) and organic media within a certain temperature and concentration range, and can also withstand low temperatures.



ADVANTAGES OF IMPACT BED

- 01 The damage to the conveyor belt is minimal and it is in direct contact with the surfaces.
- 02 It can effectively eliminate the phenomenon of material splashing and leakage caused by the uneven force distribution on the conveyor belt.
- 03 The smooth surface of UHMW-PE can significantly reduce the frictional force of the conveyor belt during operation.
- 04 The surface adopts an arc-shaped design, ensuring the smooth and seamless operation of the conveyor belt.
- 05 The flame-retardant and impact-resistant bed is equipped with an ultra-high elasticity special rubber layer, which can absorb the impact force of the materials to a large extent.
- 06 The framework, impact strips and UHMW is thermoset by means of hot vulcanization, resulting in a secure connection.
- 07 The impact bed is designed to be easy and quick to disassemble, with low maintenance costs.

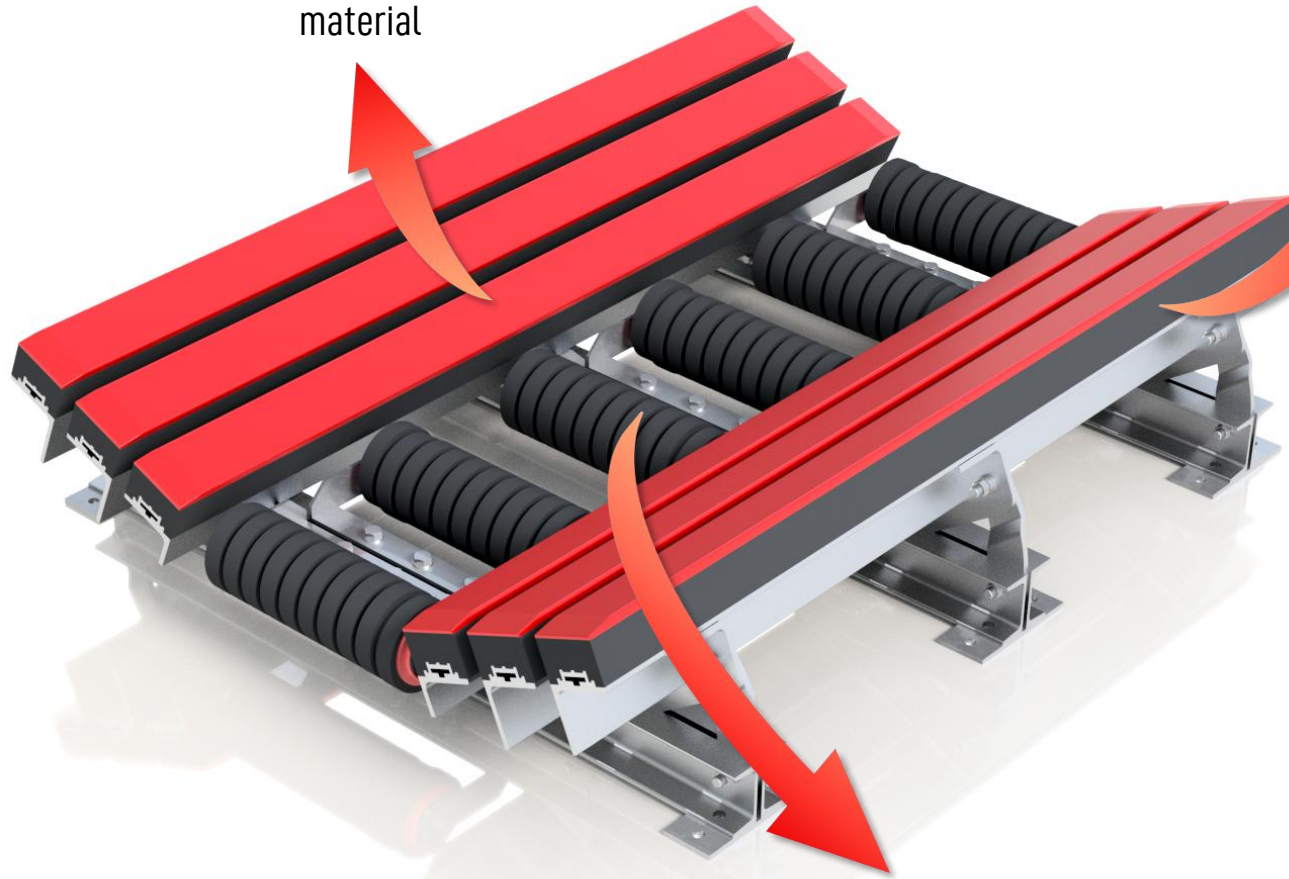


Long-wearing UHMW

material

Rubber Impact Bars

for absorbing Material impact



Long-lasting and durable



Belt friendly



Efficient and safe

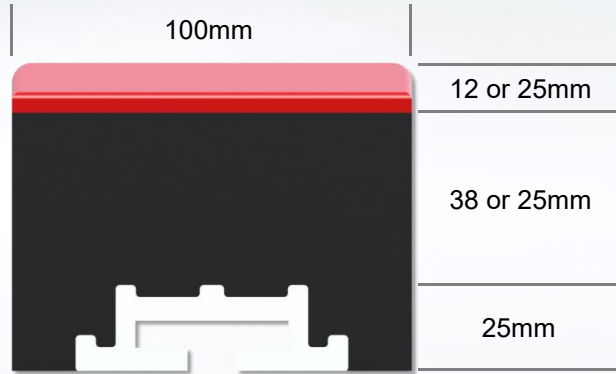


Short production time



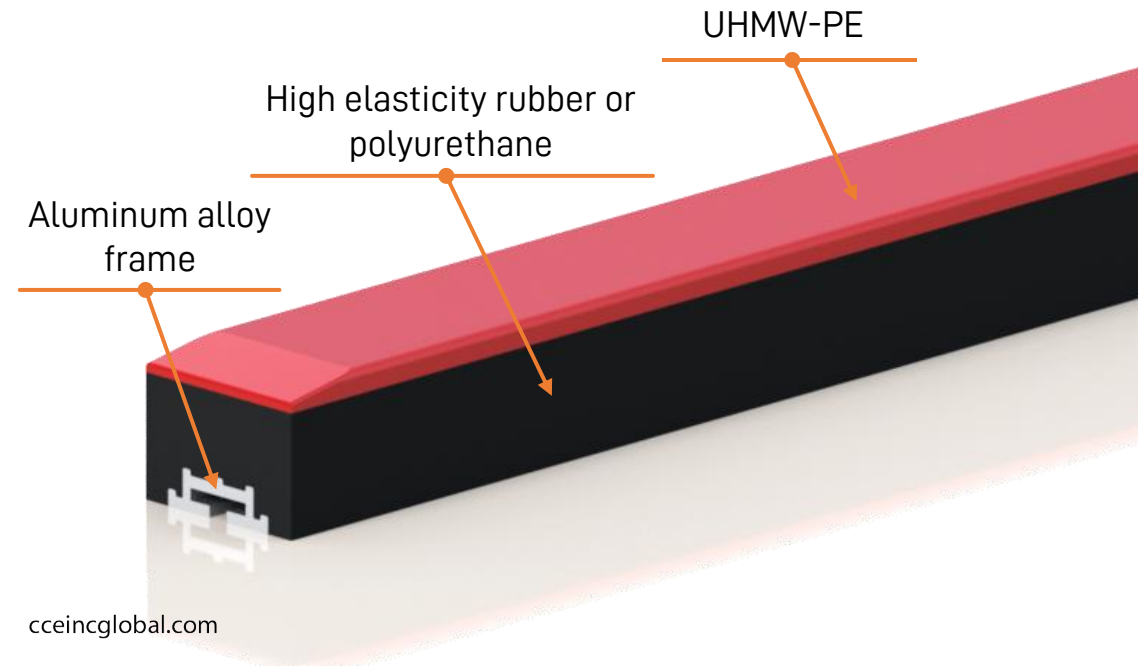
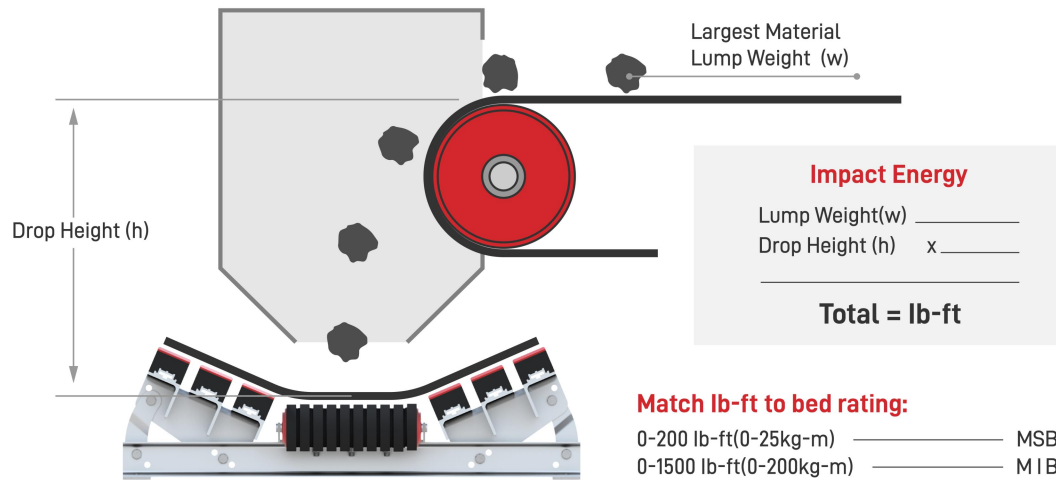
Quick replacement

Impact Rollers



- 01** If no significant impact (the impact energy of the load does not exceed 50 kg-m), You can choose a thickness of 25mm UHMW.
- 02** When the impact is equal to or greater than 50 kg-m, it is recommended to use a 13mm UHMW thickness, which can provide a larger buffer for impact protection.

IMPACT ENERGY CALCULATION



UHMW-PE

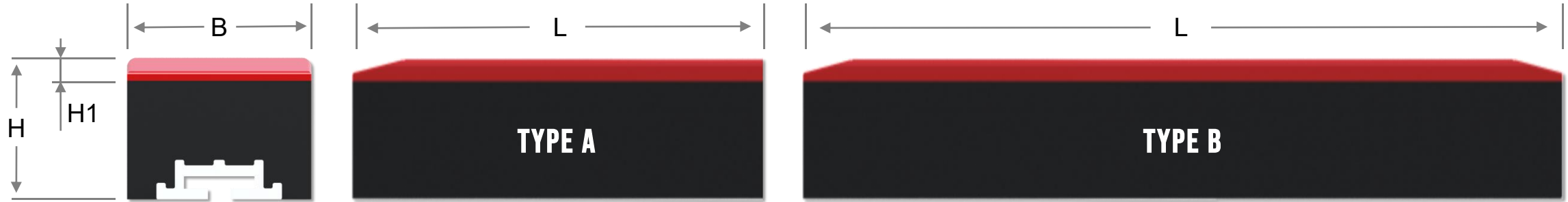
Molecular weight	≥Five million
Color	Customizable
Tensile strength (MPa)	30
Percent elongation at break	300
Hardness: Shore A	95~98
Specific gravity	0.93~0.94
Coefficient of friction	0.05~0.1
Peel strength (UHMW-PE and rubber)	50kgf/25mm

Wear-resistant, resistant to impact, low friction coefficient, low water absorption, low adhesion, resistant to chemical corrosion

RUBBER

Color	Black
Tensile strength (MPa)	15~20
Percent elongation at break	400
Hardness: Shore A	45~55
Specific gravity	1.2~1.4
Flame-retardant anti-static / Ordinary	Optional
Peel strength (rubber and metal)	60kgf/25mm

Mainly composed of natural rubber, it is wear-resistant, has high elasticity, high tear resistance, high elongation at break, corrosion resistance, and high peel strength.



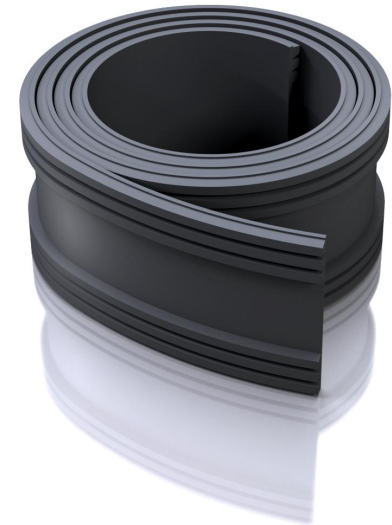
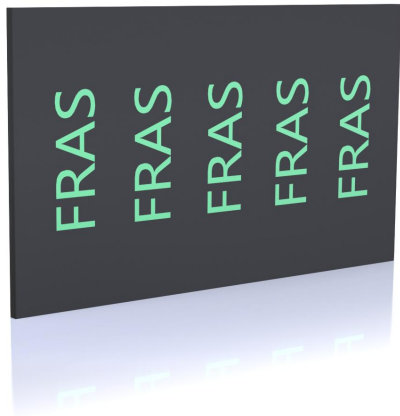
TYPE A

L (mm)									B (mm)	H (mm)	H1 (mm)
600	700	750	800	900	1000	1220	1400	1524	100	75	12 or 25

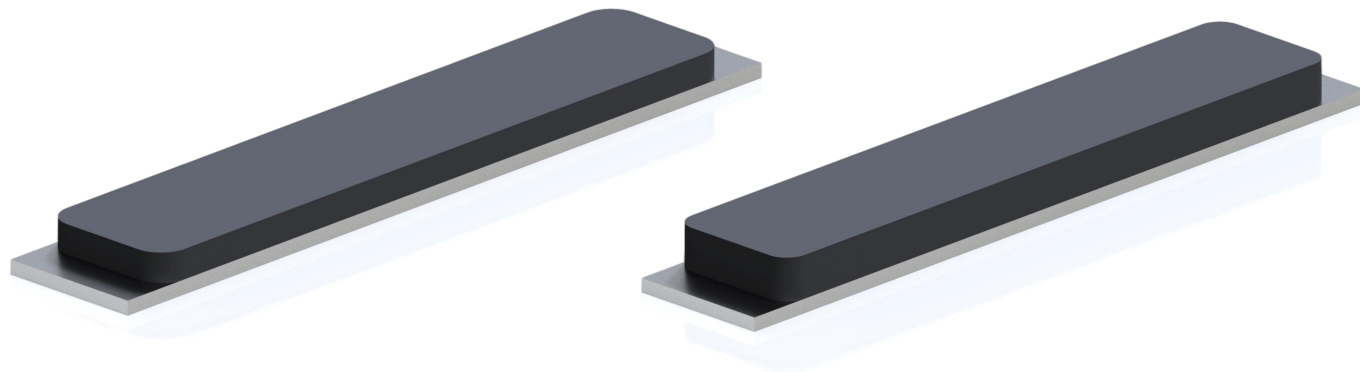
TYPE B

L (mm)					B (mm)	H (mm)	H1 (mm)
1220B	1400B	1524B	1600B	1800B	100	75	12 or 25

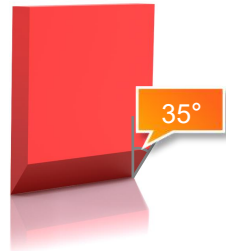
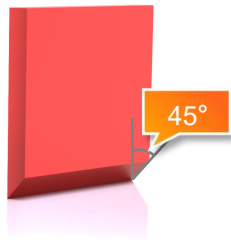
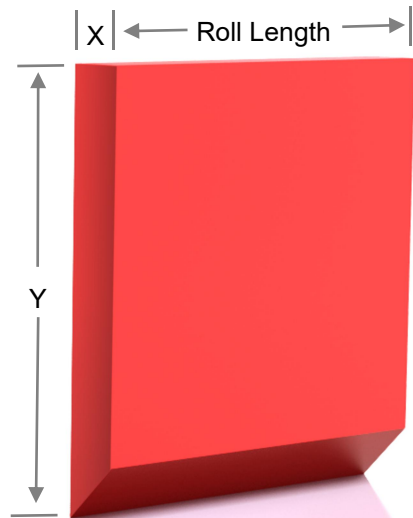
 **RUBBER SKIRTBOARD**



 **RUBBER SHOCK ABSORBER**

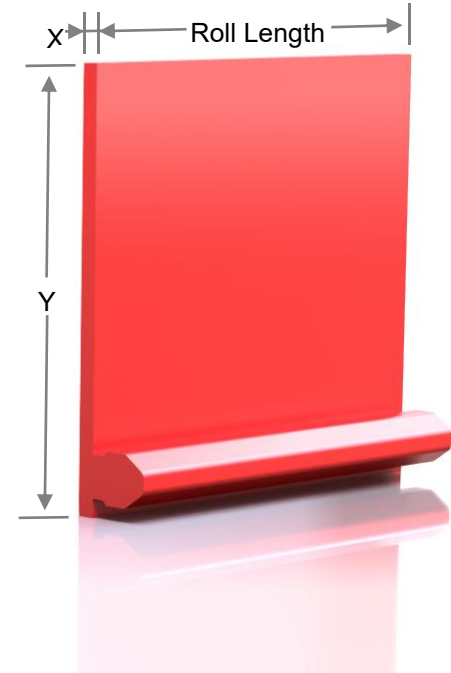


PU SKIRTBOARD



X (mm)	Y (mm)	Roll Length (m)
12	75	15
12	100	15
12	120	15
12	150	15
12	200	15
19	120	15
19	150	15
19	200	15
12	60	20
12	120	20
12	150	20
19	200	20

ADVANTAGES OF UHMW BOARD



X (mm)	Y (mm)	Roll Length (m)
10	230	Customization