

BLACK BULL FLEX+ post extension, Polymer, yellow, High-Line

Flexible impact protection that thinks for itself

The BLACK BULL FLEX+ series is a modular impact protection system for warehouses, logistics and production. It protects people, buildings, machines and racking wherever internal traffic takes place - reliably, permanently and economically. Instead of rigid barriers, FLEX+ relies on controlled absorption: The system absorbs energy, redirects forces and then returns to its original form. This means that processes remain safe - even after an impact.

Absorbing energy instead of causing damage

In the event of an impact - for example from a forklift truck, hand pallet truck or tugger train - the FLEX+ crossbars deform in a targeted manner. The impact energy is not stopped abruptly, but distributed over the entire protective line. The crossbars give way. The connecting elements transfer the force. The post absorbs the forces. The base protects the floor and fastening. The ground anchor transfers the force into the ground. After contact, the entire system straightens up again automatically. Replacement is rarely necessary.



What happens in detail on impact

Crossbars & posts

The polymer crossbars are the visible protective element. They cushion the impact, absorb the forces and prevent damage to the vehicle. Result: less damage, lower repair costs, high process reliability.

Connections & junctions

The FlexLink connection technology is the heart of the system. It ensures that forces act over a large area rather than at specific points. Anchor points and the floor are relieved. Result: No cracking, no loose posts.

Base

The FLEX+ Base connects the posts to the Base ground anchor and is an impact-resistant outer shell. Internal screw connections protect the tires of forklifts and pallet trucks. The result: tires and ground anchors are reliably protected.

Base ground anchor

The FLEX+ Base ground anchor combines robust anchoring using concrete screws and force-absorbing rubber dampers. It protects the ground and ensures stable ground anchoring. Result: The floor remains intact - even under multiple loads.

Multiple impacts? No problem.

FLEX+ is made for everyday use. The system remains functional, especially after repeated bumps. No permanent deformation. Durable plastic thanks to high elasticity. This significantly reduces downtimes and follow-up costs.

The FLEX+ impact protection range - solutions for every application

- Posts - selective protection for gates, machines, corners
- Underrun protection - stops forks and vehicles at ground level
- L-Line impact protection railing - safe separation of traffic and work areas

- The FLEX+ series follows a clear system logic and can be freely combined. All elements interlock and form continuous lines of protection - from low to high, from point to area.

- Ideal for high-traffic zones with frequent "bumps" with light industrial trucks and mixed traffic (AMR, people)
- Protects people, processes and sensitive work areas
- Safeguarding of transfer zones and buffer areas

Application Area	Inside
Certificate	PAS 13:2017
Colour	yellow
Depth	127 mm
Design	High-Line
Fixture	for screwing on
Hazardous Goods	no
Height	228.6 mm
Main Material	Polypropylene (PP)
Material Thickness	4.5 mm
Temperature Resistant	0 - 54 °
Weight (gross)	1.14 kg
Width	127 mm



Category	Text	Quantity
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