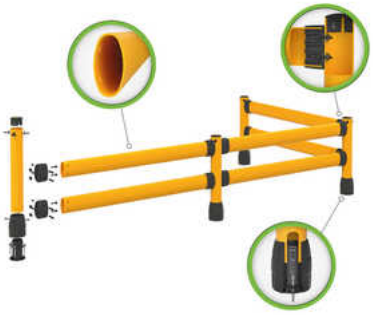
BLACK BULL FLEX+ impact protection railing, Polymer, black/yellow, L-Line middle extension

Flexible L-Line impact protection railing

The BLACK BULL FLEX+ L-Line impact protection railing protects people, machinery, racking and building structures wherever traffic and work areas need to be clearly separated. The L-Line offers protection at vehicle height and is ideal for areas without a relevant underride hazard. It is used along traffic routes, rack aisles, workstations, machine areas and transfer zones in warehouses, logistics and production environments.

Instead of a rigid barrier, FLEX+ relies on controlled absorption: The system absorbs impact energy, distributes forces across the entire protective line and then automatically returns to its original shape. This keeps traffic routes safe, protective lines functional and processes stable - even after an impact.

What happens in detail in the event of an impact?



Crossbars & posts

The polymer crossbars form the continuous protective line of the L-Line. They cushion the impact, absorb energy and prevent damage to vehicles, racking or machinery. The posts absorb the transmitted forces and ensure stability over the entire length. The result: less damage, lower repair costs, high process and personal safety.

Connections & junctions

The FlexLink connection technology is at the heart of the system. It ensures that forces are distributed evenly rather than acting at specific points. This relieves the strain on anchor points and the ground and increases the service life of the entire protection line. The result: no cracking in the ground, no loose posts, permanently stable guard lines.

Base

The FLEX+ Base connects the posts to the Base ground anchor and serves as an impact-resistant outer shell. It protects the internal screw connection and prevents damage to the tires of forklifts and pallet trucks. Result: Protected fastening, less wear and tear, high suitability for everyday use.

Base ground anchor

The FLEX+ Base ground anchor combines robust anchoring in concrete with force-absorbing rubber dampers. This design reduces the load on the screw connection, protects the substrate and ensures a permanently stable attachment - even with repeated approaches.

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.

Typical application scenarios for the FLEX+ L-Line impact protection railing

The L-Line is particularly suitable for areas where both effective physical protection and a clearly visible barrier are required: Separation and protection of traffic and work areas, racking aisles and machine areas. A typical example is a warehouse with high vehicle frequency, narrow paths and adjacent workstations. The FLEX+ L-Line impact protection guardrail creates clear lines

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of protection, increases safety for employees and can be flexibly adapted or extended - seamlessly integrated into a holistic FLEX+ protection concept.

Properties

Application Area	Inside
Base Plate (Dimensions)	Ø850 × 6,4 mm
Certificate	PAS 13:2017
Colour	yellow / black
Crossbar (length)	2260.6 mm
Design	L-Line
Drill hole spacing	110 × 110 mm
Fixing Holes Diameter	18 mm
Fixture	For doweling
Hazardous Goods	no
Height (Overall)	1170 mm
Main Material	Polypropylene (PP)
Material 2	Metal
Temperature Resistant	0 - 54 °
Test load	7055 J
Weight (gross)	18.96 kg

Accessories & Add-ons

	Category	Text	Quantity
	Consists of	BLACK BULL FLEX+ Base	1
	Consists of	BLACK BULL FLEX+ Base floor anchor	1
	Consists of	BLACK BULL FLEX+ concrete screw	4
	Consists of	BLACK BULL FLEX+ connector crossbar L-Line	4
	Consists of	BLACK BULL FLEX+ Crossbar L-Line	2

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	Category	Text	Quantity
	Consists of	BLACK BULL FLEX+ Post L-Line center	1
	Consists of	BLACK BULL FLEX+ cover cap	1

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