

BLACK BULL FLEX+ impact protection bollard, Polymer, black/yellow, incl. mounting material

Flexible impact protection bollard

The BLACK BULL FLEX+ impact protection bollard protects people, buildings, machines and infrastructure in precisely those places where selective protection is required in confined spaces. Typical applications include gates, machine access points, pillars or sensitive equipment in warehouses, logistics and production areas.

Instead of rigid barriers, FLEX+ relies on controlled absorption: The system absorbs energy, transfers forces and then returns to its original form. This keeps processes safe - even after a collision.



What happens in detail in the event of a collision

Bollard

The polymer bollard is the visible protective element. It cushions the impact, absorbs the energy and reduces damage to the vehicle and the protected structure and prevents the transfer of forces to adjacent components. The result is lower repair costs and a high level of process reliability in everyday use.

Base

The FLEX+ Base connects the bollard to the ground anchor. It has an impact-resistant outer shell and protects the internal screw connection. At the same time, it prevents damage to the tires of forklifts and pallet trucks and contributes to the durability of the system.

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+ bollard

The bollard is particularly suitable for high-traffic zones with selective protection requirements, especially in areas with frequent traffic from light industrial trucks.

It provides targeted protection for processes and infrastructure, for example at gates, machines, pillars or loading zones.

A typical example is a warehouse with light industrial trucks, high frequency and narrow paths. The FLEX+ bollard reliably secures neuralgic points without restricting the flow of traffic and can be seamlessly integrated into a more comprehensive FLEX+ protection concept if required.

Properties

Important note: The information is based on manufacturer data as well as practical experience. For legally compliant use, the applicable regulations, standards, and codes as well as local conditions must always be taken into account. Technical changes, printing errors, and mistakes are reserved.

Product Data Sheet

Application Area	Inside
Base Plate (Dimensions)	Ø850 × 6,4 mm
Certificate	PAS 13:2017
Colour	yellow / black
Design	Bollard
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	7050 J
Weight (gross)	10.27 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+ post impact protection bollard	1
	Consists of	BLACK BULL FLEX+ cover cap	1