

Tested to resist min

6.500 Joule

At 90° Impact, 6,5 km/h (4,03 mph) and 4.000 kg (8818 lbs) on a C20/25 concrete floor and max. force to bolt at 21 kN.

BRAVO

Bollard



Description

The BRAVO Bollard is designed to protect vulnerable edges, corners, and critical structures at doorways, loading docks, building corners, and machinery perimeters. Manufactured from robust and impact-resistant polyethylene (PE), the BRAVO Bollard is specifically engineered to guard against damage caused by accidental collisions with forklifts, pallet trucks, and other industrial vehicles.

By absorbing and deflecting impacts, the bollard minimizes the risk of costly damage to both buildings/equipment and vehicles, while also helping to maintain the integrity of your operational areas.
BRAVO Bollards are TÜV-certified to min. 4.000 Joules, ensuring they meet the highest standards for safety and quality. It complies with PAS13, the code of practice for safety barriers used in industrial environments, ensuring optimal protection against impacts in areas building corners/gates and vehicles operating nearby.

Designed for durability, ease of installation, and efficient protection, the BRAVO Bollard from d-flexx is the ideal solution for safeguarding corners, edges, and critical zones in your facility. An additional movable cuff can further enhance these features.

Technical Information

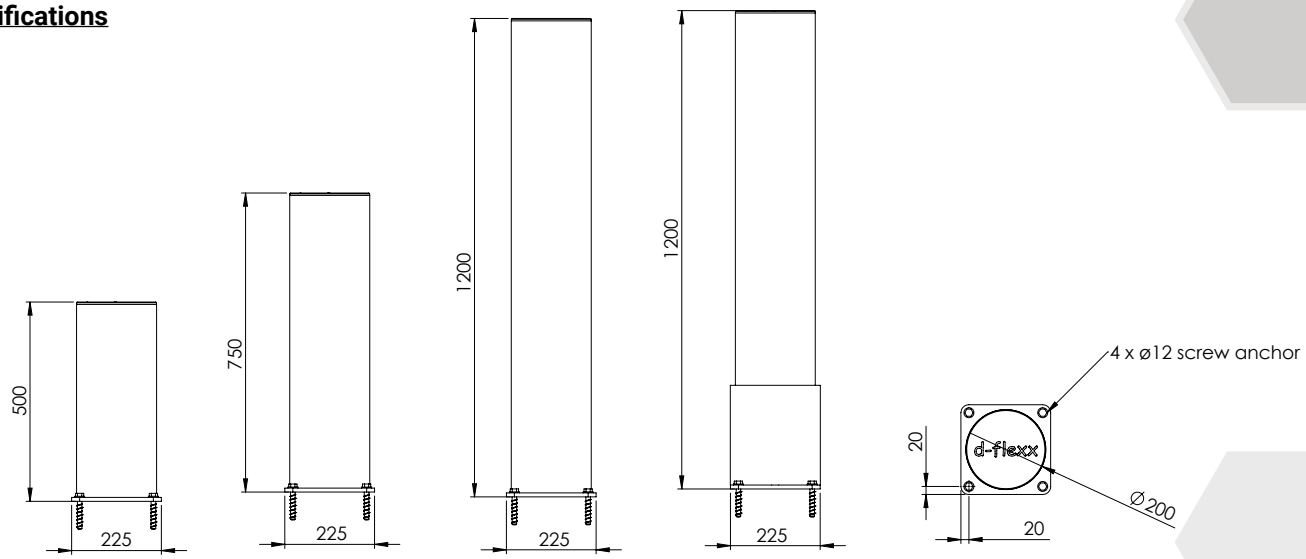
Operational Temperature Range:	-40°C up to +50°C / -40°F up to +112°F
Ignition Temperature:	350-360°C / 662 - 680°F
Flash Point:	350-360°C / 662 - 680°F
Toxicity:	Nontoxic
Chemical Resistance:	High-ISO / TR 10358
UV Stability Changes to material after 5 years:	Gray scale: 5/5 Blue Wool scale: 8/8 Tensile strength: No changes
Static Rating (surface resistivity):	10^{15}-10^{16} Ω
Standard Warranty:	5 Years
Fixations:	Concrete screw, Zinc coated, Size Ø12x80 mm
Max. inclination angle:	15°

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Maintenance Guide
Assembly Guide
Videos
Tender Text
Warranty



Specifications



Measurements mm vs in

	mm	in
Diameter	200	7,87
Height 1	500	19,69
Height 2	750	29,53
Height 3	1200	47,24
Cuff height	250	9,84
Footplate	225	8,86
Pos. drill holes	20	0,79



Max. inclination Angle 15°



Impact Test BRAVO

Bollard energy	6.500

Max. force to bolt 21 kN

