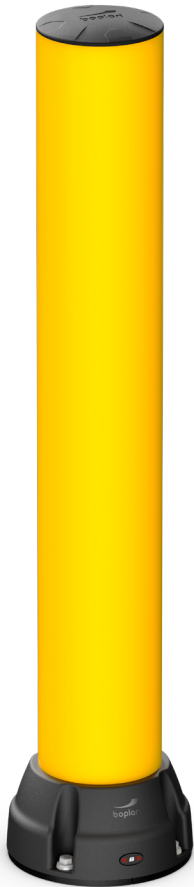
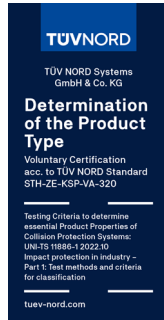


BO170B

BOLLARDS AND HEIGHT RESTRICTORS



Base Defender with Impact Button

PRODUCT SPECIFICATIONS

APPLICATION

Environment	The BO170B provides reliable protection for gates, access ways, corners, and machinery. With its medium-sized diameter, this solution strikes an ideal balance between strength and practicality. Robust yet flexible, it is suitable for both indoor and outdoor environments. Due to the large base, pallets are kept at a certain distance from the bollard to protect hands and prevent injury. Ideal for situations with a moderate risk of collisions.
Impact performance	7500 Joule (Eq. to 3,8 ton - 7.2 km/h) - Following UNI 11886-1

MATERIAL

Tube	Extrilene® - UV resistant - Fire class E [*] - Non conductive - Impervious to most chemicals ^{**}
Cap	Sustainable elastomer
Base Defender	Sustainable elastomer

COLOURS

Bollard	Standard: Yellow RAL 1003 Also available in Black RAL 9005 (multicolour)
Base Defender	Standard: Black RAL 9005

OPTIONAL

Stripes	Coloured reflective stripes providing a high level of visibility.
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BASEPLATES

	Zinc Coated Steel	Stainless steel
Material	Steel 37	Stainless steel 304
Coating	Electroplated + Lacquered	No lacquer / No coating
Colour	Mat black	Natural colour

^{*}Classification according to EN 13501-1:2007 +A1:2009 - Fire classification of construction products and building elements.

^{**}Ask your local sales office for resistance to specific chemicals.

FIXATIONS

		ZC (Zinc coated)	SS (Stainless steel)
STANDARD	Concrete screw	 Ø14mm x 130mm	 Not available
	Wedge anchor	 Ø12mm (M12) x 135mm	 Ø12mm (M12) x 125mm
ALTERNATIVE	Asphalt anchor	 Bolt M10 x 40mm + Screw Ø16mm	 Not available

The anchors specified in this document are metric. Imperial anchors are available on demand.

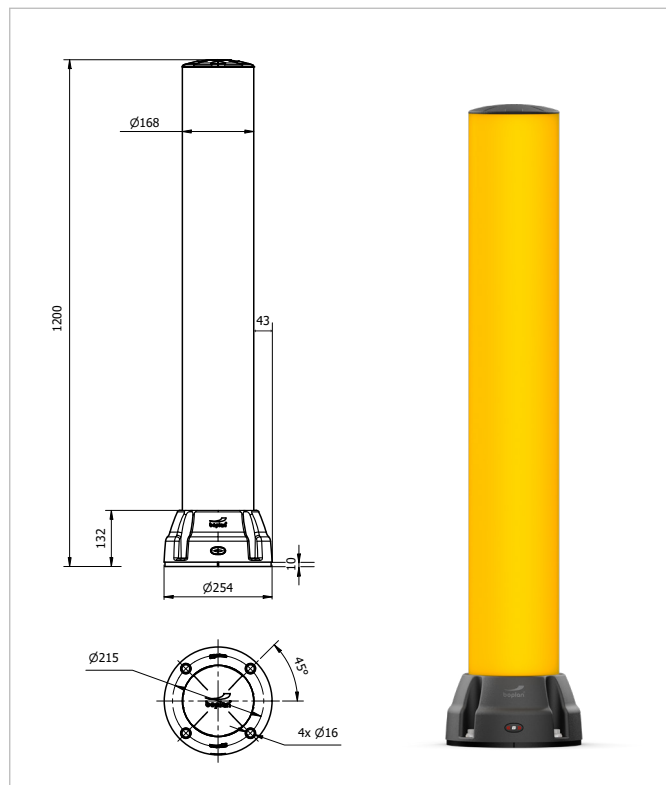


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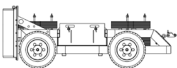


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SIZE	
Height	450 mm 750 mm 1000 mm 1200 mm
Profile section	Ø168 mm
Baseplate	Ø250 mm (10 mm thick)
Base Defender	Top: Ø168 mm Base: Ø254 mm Height: 122 mm



REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness (mm)	minimum 150 mm
Concrete slab dimension around posts (mm)	600 (h) x 600 (w) x 500 (d)
Operational temperature	-10°C up to +40°C
Water and humidity	Zinc coated: Indoor and outdoor use in most environments. Stainless steel: outdoor use or frequent exposure to water and humidity.

boplan		IMPACT LABEL SAFETY GATES			
BOLLARD 170B					
BOPLAN IMPACT CATEGORY	RATING	90°		UNI 11886-1	
X	50 kJ			ENERGY CLASS	
	40 kJ			3	
	30 kJ			OPERATIONAL FOOTPRINT	
	25 kJ			W630	
	20 kJ			ASI CLASS	
	17 kJ			a	
	15 kJ				
	12 kJ				
	10 kJ				
	7.5 kJ				
B	5.0 kJ				
	2.5 kJ				
	0.5 kJ				
		*Dynamic impact result: 7500 Joule			
IMPACT TEST RESULTS AT 90°					
PRODUCT: BBO170B0-1200-0001YEZ					
Deflection (D)					
At maximum impact energy					
					
$\alpha = 20^\circ$					
D= 410.4 mm / 16.2 inch					
TEST CONDITIONS FOLLOWING UNI 11886-1 AND PAS13: 2017					
TEMPERATURE: 20°C / 68°F					
IMPACT ON MIDDLE OF RAILS AND MIDDLE OF POST					
IMPACT HEIGHT: 300 mm / 47.2 Inch -> D: 410.4 mm / 16.2Inch -> α : 20°					
TEST FLOOR: CONCRETE SLAB C25/30 - 150 mm / 6 Inch					
TEST VEHICLE:					
TYPE: BOPLAN IMPACT TEST VEHICLE					
WEIGHT: 3775 Kg / 8322.45 lbs					
SIZE (L x W x h): 3100 x 1100 x 1150 mm / 122 x 43.3 x 45.3 Inch					
CONTACT AREA, STEEL BUMPER WIDTH: 1000 mm / 39.4 Inch					
					
* IMPACT VALUE ACCOUNTING FOR BARRIER DEFORMATION DURING IMPACT					
BOPLAN TEST CENTRE					
Muizelstraat 12 8560 Moorsele Belgium				Approved by: TÜV NORD Systems	
					
IL-B0170B-20250404					



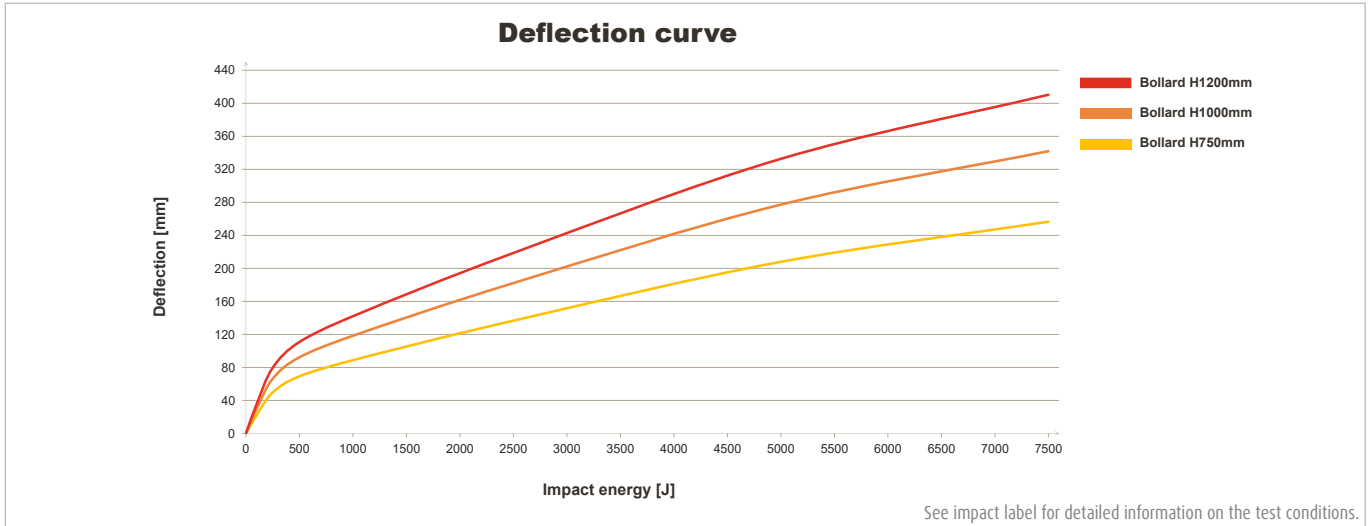
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REFERENCE LIST - B0170B

	ZINC COATED (ZC)		STAINLESS STEEL (SS)	
	YELLOW	MULTICOLOUR ■	YELLOW	MULTICOLOUR ■
450 mm	B0170B0-0450-0001YEZ	B0170B0-0450-0001MCZ	B0170B0-0450-0001YES	B0170B0-0450-0001MCS
750 mm	B0170B0-0750-0001YEZ	B0170B0-0750-0001MCZ	B0170B0-0750-0001YES	B0170B0-0750-0001MCS
1000 mm	B0170B0-1000-0001YEZ	B0170B0-1000-0001MCZ	B0170B0-1000-0001YES	B0170B0-1000-0001MCS
1200 mm	B0170B0-1200-0001YEZ	B0170B0-1200-0001MCZ	B0170B0-1200-0001YES	B0170B0-1200-0001MCS

STRIPEs (not included)			
	Black	White	Yellow
1 STRIPE	PA0300-0170-0001BL	PA0300-0170-0001WH	PA0300-0170-0001YE
2 STRIPEs	PA0300-0170-0002BL	PA0300-0170-0002WH	PA0300-0170-0002YE
			

* Remark: Stripes cannot be ordered separately



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