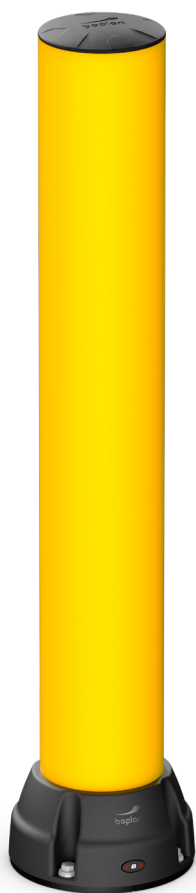


# BO170B

## BOLLARDS AND HEIGHT RESTRICTORS

Revision: 17 December 2024 1:22 PM  
Boplan reference: BO170B...









Base Defender with Impact Button

### PRODUCT SPECIFICATIONS

APPLICATION		
Environment	The B0170B 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)	
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.	
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.

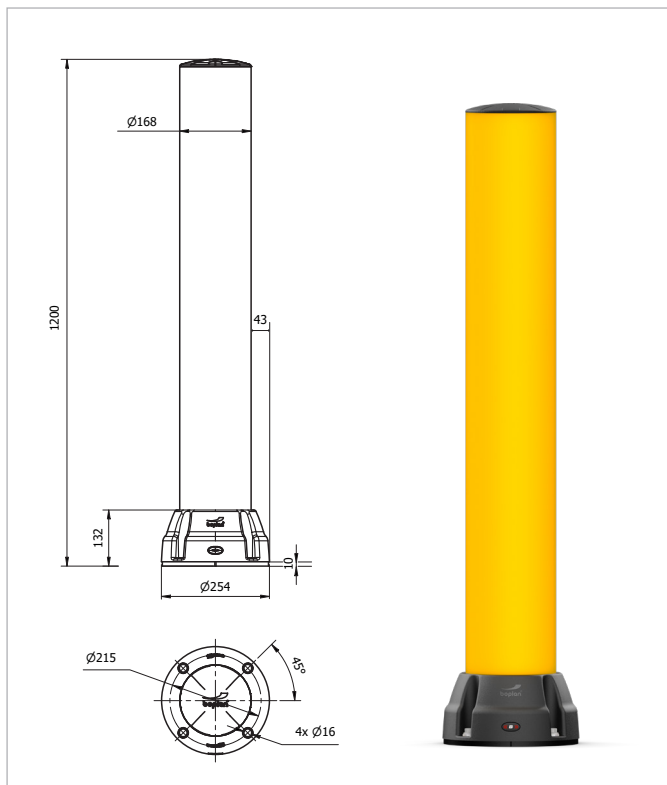
FIXATIONS				
			ZC (Zinc coated)	SS (Stainless steel)
STANDARD	Concrete screw		Ø14mm x 130mm 	Not available
ALTERNATIVE	Wedge anchor		Ø12mm (M12) x 135mm 	Ø12mm (M12) x 125mm 
	Asphalt anchor		Bolt M10 x 40mm + Screw Ø16mm	Not available




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

## FEATURES AND FUNCTIONALITY - B0170B

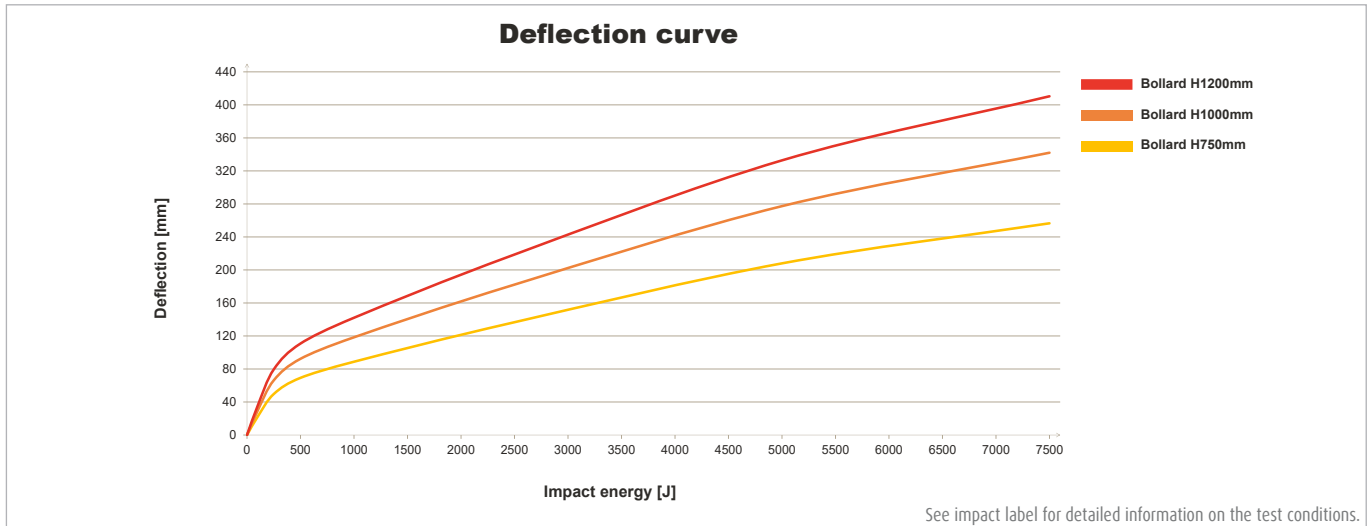
SIZE	
Height	450 mm 750 mm 1000 mm 1200 mm
Profile section	Ø168 mm (10 mm thick)
Baseplate	Ø250 mm (10 mm thick)
Base Defender	Top: Ø168 mm Base: Ø254 mm Height: 122 mm

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	<b>Zinc coated:</b> Indoor and outdoor use in most environments. <b>Stainless steel:</b> outdoor use or frequent exposure to water and humidity.






boplan		IMPACT LABEL FOR SAFETY BARRIERS	
<b>BOPLAN B0170B</b>			
IMPACT RATING			
E50	< 50 kJ		
E40	< 40 kJ		
E30	< 30 kJ		
E25	< 25 kJ		
E20	< 20 kJ		
E15	< 15 kJ		
E12	< 12 kJ		
E10	< 10 kJ		
E7	< 7.5 kJ		
E5	< 5.0 kJ		
E2	< 2.5 kJ		
E1	< 1.0 kJ		
		<b>7,5 kJ</b>	
<b>IMPACT RESULTS</b> Deflection: At maximum impact energy		 $\alpha = 20^\circ$ $D = 410.4 \text{ mm} / 16.2 \text{ inch}$	<b>SUCCESS CRITERIA</b> VEHICLE STOPPED ASI (ACCELERATION SEVERITY INDEX) < 0.5
<b>TEST CONDITIONS</b> TEMPERATURE: 20°C / 68°F IMPACT HEIGHT: 300 mm / 47.2 inch → D: 410.4 mm / 16.2 inch → $\alpha: 20^\circ$ TEST FLOOR: CONCRETE SLAB C25/30 - 150 mm / 6 inch		<b>BOPLAN TEST LAB</b> Muizelstraat 12 8560 Moorsele Belgium 	
<b>TEST VEHICLE:</b> 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 1/4 x 45 1/4 inch CONTACT AREA, STEEL BUMPER WIDTH: 1000 mm / 39 1/4 inch		<b>IL-B0170B-20240209</b>	

## FEATURES AND FUNCTIONALITY - B0170B



## 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