

BO250T

BOLLARDS AND HEIGHT RESTRICTORS

Revision: 2 April 2025 12:11 PM
Boplan reference: BO250T...





Base Defender with Impact Button

PRODUCT SPECIFICATIONS

APPLICATION	
Environment	The BO250T stands out as the strongest in Boplan's impact-resistant bollard series, providing durable protection against frequent collisions with heavy vehicles. With a 15mm thick steel baseplate, a reinforced base, and a 250mm tube diameter, it is the ideal choice for guarding gates, access ways, corners, and machinery. Its robust yet flexible design efficiently absorbs heavy impacts. Due to the large base, pallets are kept at a certain distance from the bollard to protect hands and prevent injury. Suitable for both indoor and outdoor environments.
Impact performance	24100 Joule (Eq. to 3,8 ton - 12,8 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	
Stripe	Coloured reflective stripe providing a high level of visibility.
BASEPLATES	
	Zinc Coated Steel
Material	Steel 37
Coating	Electroplated + Lacquered
Colour	Mat black

*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.

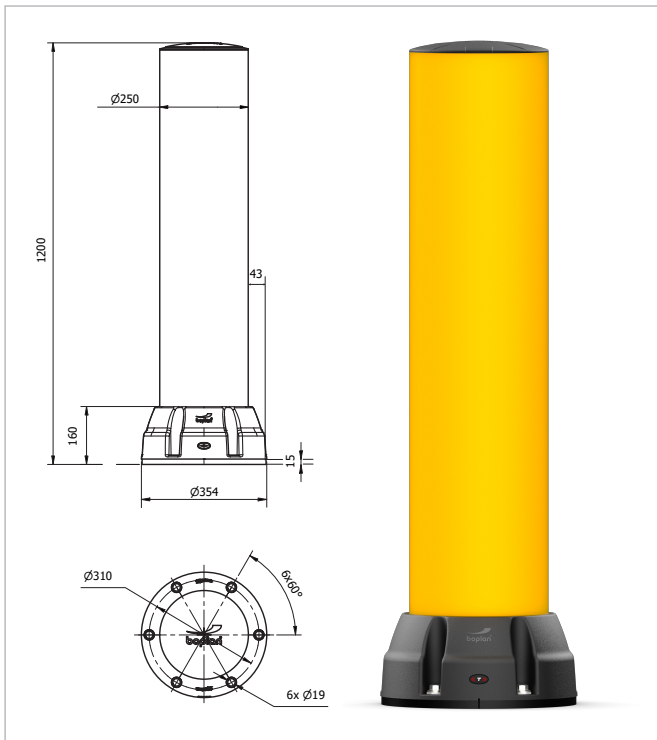
		FIXATIONS	
		ZC (Zinc coated)	SS (Stainless steel)
STANDARD	Concrete screw	 Ø17mm x 130mm	 Not available


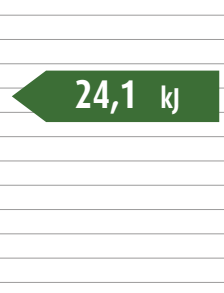



The anchors specified in this document are metric. Imperial anchors are available on demand.

FEATURES AND FUNCTIONALITY - B0250T

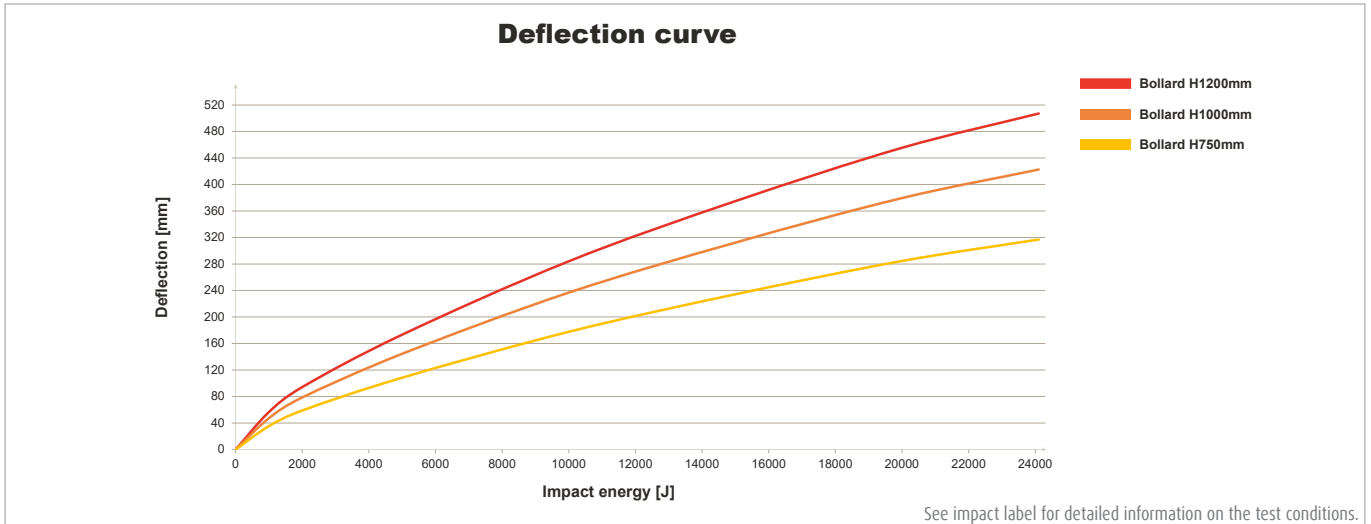
SIZE	
Height	1000 mm 1200 mm 1201-1525 mm 1600 - 2000 mm 2100 - 2500 mm
Profile section	Ø250 mm
Baseplate	Ø350 mm (15 mm thick)
Base Defender	Top: Ø250 mm Base: Ø354 mm Height: 150 mm

REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness (mm)	minimum 150 mm
Concrete slab dimension around posts (mm)	1000 (h) x 1000 (w) x 700 (d)
Operational temperature	-10°C up to +40°C
Water and humidity	Zinc coated: Indoor and outdoor use in most environments.



boplan		IMPACT LABEL FOR SAFETY BARRIERS	
BOPLAN B0250T			
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			
IMPACT RESULTS Deflection: At maximum impact energy		 $\alpha = 25^\circ$ D= 507 mm / 20 inch	SUCCESS CRITERIA VEHICLE STOPPED ASI (ACCELERATION SEVERITY INDEX) < 0.5
TEST CONDITIONS TEMPERATURE: 20°C / 68°F IMPACT HEIGHT: 610 mm / 47.2 Inch -> D: 507 mm / 20 Inch -> α : 25° TEST FLOOR: CONCRETE SLAB C25/30 - 150 mm / 6 Inch		BOPLAN TEST CENTRE Muizelstraat 12 8560 Moorsele Belgium 	
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 1/4 x 45 1/4 Inch CONTACT AREA, STEEL BUMPER WIDTH: 1000 mm / 39 1/4 Inch			
		IL-B0200R-20240209	

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REFERENCE LIST - B0250T

	ZINC COATED (ZC)	
	YELLOW	MULTICOLOUR ■
1000 mm	B0250T0-1000-0001YEZ	B0250T0-1000-0001MCZ
1200 mm	B0250T0-1200-0001YEZ	B0250T0-1200-0001MCZ
1201 - 1525 mm	B0250T1-1525-0001YEZ	B0250T1-1525-0001MCZ
1600 - 2000 mm	B0250T1-2000-0001YEZ	B0250T1-2000-0001MCZ
2100 - 2500 mm	B0250T1-2500-0001YEZ	B0250T1-2500-0001MCZ

STRIPES (B0 not included)			
	Black	White	Yellow
1 STRIPE	PA0300-0250-0001BL	PA0300-0250-0001WH	PA0300-0250-0001YE
2 STRIPES	PA0300-0250-0002BL	PA0300-0250-0002WH	PA0300-0250-0002YE
			

* Remark: Stripes cannot be ordered separately