



BO ROTOR BOPLAN BOLLARD ROTOR SPECIFICATION SHEET

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PRODUCT SPECIFICATIONS

APPLICATION

Environment	Bollard impact with freely rotating outer shell (rotor) to protect areas where vehicles make sharp turns. The outer shell has the same height as the bollard to protect against all kinds of vehicles.	
Advisory speed	4 km/h	
	3 km/h	

MATERIAL

Posts	Polyolefin - UV resistant - Fire class E ⁺ - Non conductive - Impervious to most chemicals ^{**}	
Caps	SEBS rubber	



COLORS

	Standard: Yellow Also available in black (multicolor)	
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BASEPLATES

	Zinc Coated Steel Non - countersunk	Stainless steel Non - countersunk
Material	Steel 37	SS 304
Coating	Lacquered + electro plating	No lacquer / No coating
Color	Matt black	Natural color

FIXATIONS

	ZINC COATED	INOX
HEAVY DUTY EXPANSION ANCHOR 	L = 120 ; Ø = 20 mm ; M12 17 kN max pull force	L = 120 ; Ø = 20 mm ; M12 10.7 kN max pull force
THREADED ROD (WITH CHEMICAL ANCHOR) 	L = 120 ; Ø = 18 mm ; M16 20 kN max pull force	L = 120 ; Ø = 18 mm ; M16 20 kN max pull force

*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.



FEATURES AND FUNCTIONALITY

SIZE	
Height	450 mm 750 mm 1000 mm 1200 mm 550mm - 2500mm
Profile section post	Rotor: Ø225 mm (11mm thick) Bollard: Ø200 mm (11 mm thick) Inner profile: 112 mm x 112 mm (10 mm thick) Impact foam (between Outer tube and Inner profile)
Baseplate	230 mm x 230 mm (12 mm thick)

REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness (mm)	minimum 150 mm
Concrete slab dimension around posts (mm)	400 (h) x 400 (w) x 300 (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.

REFERENCE LIST - BOLLARD ROTOR

	ZINC COATED (ZC)		STAINLESS STEEL (SS)	
	YELLOW	MULTICOLOR	YELLOW	MULTICOLOR
450 mm	B02250-0450-0001YEZ	B02250-0450-0001MCZ	B02250-0450-0001YES	B02250-0450-0001MCS
600 mm	B02250-0600-0001YEZ	B02250-0600-0001MCZ	B02250-0600-0001YES	B02250-0600-0001MCS
750 mm	B02250-0750-0001YEZ	B02250-0750-0001MCZ	B02250-0750-0001YES	B02250-0750-0001MCS
1000 mm	B02250-1000-0001YEZ	B02250-1000-0001MCZ	B02250-1000-0001YES	B02250-1000-0001MCS
1200 mm	B02250-1200-0001YEZ	B02250-1200-0001MCZ	B02250-1200-0001YES	B02250-1200-0001MCS
550 - 1200 mm	B02251-1200-0001YEZ	B02251-1200-0001MCZ	B02251-1200-0001YES	B02251-1200-0001MCS

IMPACT PERFORMANCE		
Test conditions	Ambient temperature Height bollard Fork lift weight Floor Success criteria	20°C 1200mm 2300kg Industrial concrete Fork lift stopped
90° impact	Maximum impact	3200 Joule
45° impact	Maximum impact	4500 Joule

