

BO125L EV

BOLLARDS AND HEIGHT RESTRICTORS

Revision: 6 July 2026 9:37 AM
Boplan reference: BO125L0-...



PRODUCT SPECIFICATIONS

APPLICATION	
Environment	The BO125L EV helps prevent accidents, minimizes damage, and maintains safe accessibility to electric mobility. With their visibility and impact-resistant flexibility, EV-bollards are the most effective solution for the protection of charging stations against potential vehicle impacts.
Impact performance	500 Joule (Eq. to 4000 lbs - 1.5 mph)
OPTIONAL	
Stripes	Colored reflective stripes providing a high level of visibility.
MATERIAL	
Tube & Cover	Extrilene - UV resistant - Fire class E [*] - Non conductive - Impervious to most chemicals ^{**}
Cap	Sustainable elastomer
STANDARD COLORS	
Bollard	Standard: Black RAL 9005 Also available in Yellow RAL 1003 and White RAL 9003 (Multicolor)
Cover	Standard: Black RAL 9005
BASEPLATES	
	Zinc Coated Steel
Material	Steel 37
Coating	Electroplated + Lacquered
Color	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	Anchor rod (Chemical)		M12 x 120mm + Chemical resin	M12 x 120mm + Chemical resin

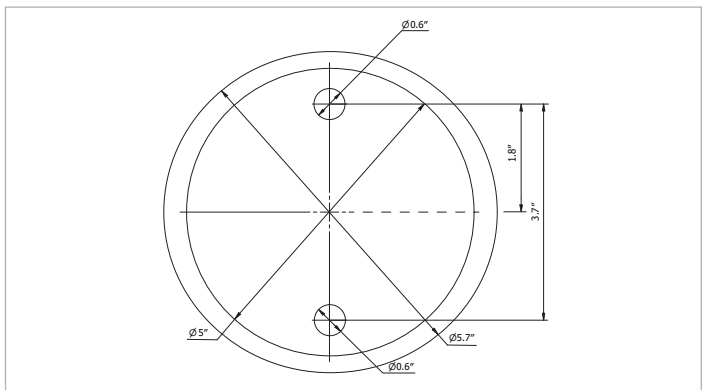
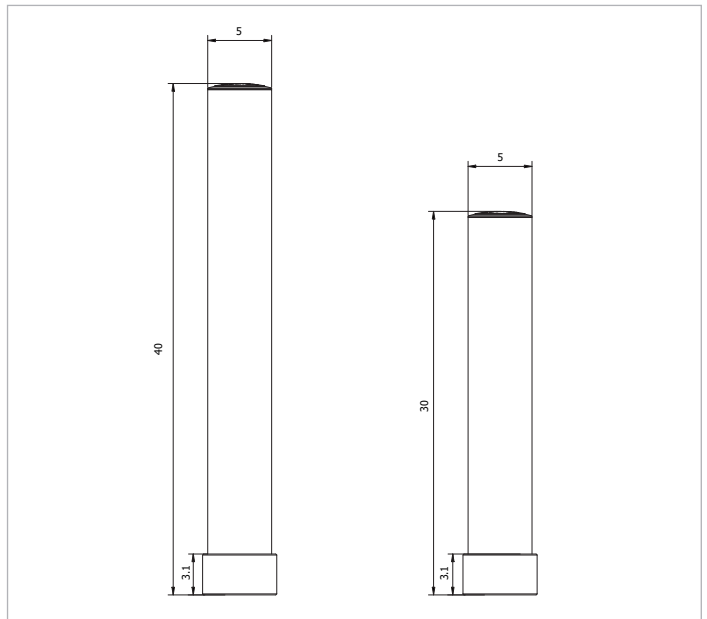


FEATURES AND FUNCTIONALITY - B0125L EV

SIZE	
Height	30 in 40 in
Profile section post	Ø5 in (0.4 in thick)
Baseplate	Ø5 in (0.3 in thick)
Base Cover	Diameter: Ø5.7 in Height: 3.1 in

REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness (in)	minimum 5.9
Concrete slab dimension around posts (in)	15.7 (h) x 15.7 (w) x 11.8 (d)
Operational temperature	14 °F up to 104 °F
Water and humidity	Zinc coated: Indoor and outdoor use in most environments.

boplan		IMPACT LABEL FOR SAFETY BARRIERS	
BOPLAN B0125L EV			
IMPACT RATING			
E11	< 11 kJ		
E10	< 10 kJ		
E9	< 9.0 kJ		
E8	< 8.0 kJ		
E7	< 7.0 kJ		
E6	< 6.0 kJ		
E5	< 5.0 kJ		
E4	< 4.0 kJ		
E3	< 3.0 kJ		
E2	< 2.0 kJ		
E1	< 1.0 kJ		
E0,5	< 0.5 kJ		
IMPACT RESULTS Deflection: At maximum impact energy  $\alpha = 15.7^\circ$ $D = 213 \text{ mm} / 8 \text{ } 3/8 \text{ inch}$		SUCCESS CRITERIA VEHICLE STOPPED ASI (ACCELERATION SEVERITY INDEX) <0.5	
TEST CONDITIONS TEMPERATURE: 20°C / 68°F IMPACT HEIGHT: 450 mm / 17 5/8 Inch -> D: 213 mm / 8 3/8 Inch -> α: 15.7° 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-B0125LEV-20240131	



REFERENCE LIST - B0125L EV

	ZINC COATED (ZC) Non - countersunk	
	BLACK	MULTICOLOR 
40 inch	B0125L0-1000-01EVBL	B0125L0-1000-01EVMC
30 inch	B0125L0-0750-01EVBL	B0125L0-0750-01EVMC

STRIPES			
	Black	White	Yellow
1 STRIPE	PA0300-0125-0001BL	PA0300-0125-0001WH	PA0300-0125-0001YE
			

* Remark: Stripes cannot be ordered separately

CABLE HOOK	
CH0128-0048-A2BL	Cable Hook 5x2 in - A2 - BL (incl fixations) 