

BO145L EV

BOLLARDS AND HEIGHT RESTRICTORS

Revision: 16 January 2026 3:45 PM
Boplan reference: BO145L0-...



PRODUCT SPECIFICATIONS

APPLICATION	
Environment	The BO145L 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	2000 Joule (Eq. to 2 ton - 5 km/h)
OPTIONAL	
Stripes	Colored reflective stripes providing a high level of visibility.
MATERIAL	
Tube	Extrilene® - UV resistant - Fire class E [®] - Non conductive - Impervious to most chemicals ^{**}
Cap	Sustainable elastomer
Socket	Sustainable elastomer
STANDARD COLORS	
Bollard	Standard: Black RAL 9005 Also available in Yellow RAL 1003 and White RAL 9003 (multicolor)






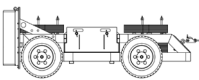
^{*}Classification according to EN 13501-1:2007 +A1:2009 - Fire classification of construction products and building elements.
^{**}Ask your local sales office for resistance to specific chemicals.

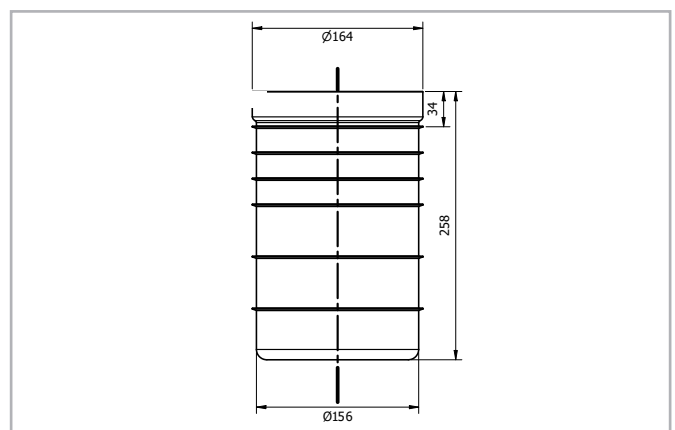
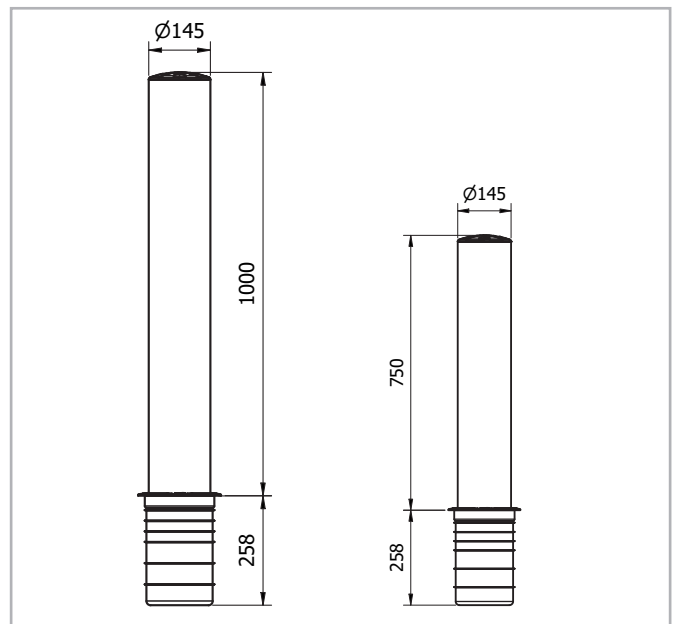


FEATURES AND FUNCTIONALITY - B0145L EV

SIZE	
Height	1000 mm 750 mm
Profile section post	Tube: Ø145 mm
Seal	ID: Ø145 mm OD: Ø195 mm
Socket	Diameter: Ø164 mm Height: 258 mm




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	Drainage hole in socket

 IMPACT LABEL SAFETY GATES			
BOLLARD 145L EV		90°	
BOPLAN IMPACT CATEGORY	RATING		
X	50 kJ	 2000 Joule	
T	40 kJ		
F	30 kJ		
R	25 kJ		
F	20 kJ		
R	17 kJ		
R	15 kJ		
B	12 kJ		
B	10 kJ		
L	7.5 kJ		
	5.0 kJ		
	2.5 kJ		
	0.5 kJ		
*Dynamic impact result: 2000 Joule			
IMPACT TEST RESULTS AT 90° Product: B0145L0-0750-01EVMC - 750 mm / 29 1/2 ft Deflection angle (α) & distance (D) - Post At maximum impact energy <div style="display: flex; align-items: center; justify-content: center;">  <div style="margin-left: 20px;"> $\alpha_1 = 20.8^\circ$ $D_1 = 262 \text{ mm} / 10 \text{ 1/4 inch}$ </div> </div>			
TEST CONDITIONS FOLLOWING PAS13: 2017 TEMPERATURE: 22°C / 41°F IMPACT ON MIDDLE OF POST IMPACT HEIGHT: 450 mm / 17 3/4 Inch TEST FLOOR: CONCRETE SLAB C25/30 - 190 mm / 7 1/2 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 43.3 x 45.3 Inch CONTACT AREA, STEEL BUMPER WIDTH: 1000 mm / 39.4 Inch 		IL-B0145LEV-20250310	
* IMPACT VALUE ACCOUNTING FOR BARRIER DEFORMATION DURING IMPACT			



REFERENCE LIST - B0145L EV

	BLACK	MULTICOLOR <input type="checkbox"/> <input type="checkbox"/>
1000 mm	B0145L0-1000-01EVBL	B0145L0-1000-01EVMC
750 mm	B0145L0-0750-01EVBL	B0145L0-0750-01EVMC

STRIPES			
	White	Black	Yellow
1 STRIPE	PA0301-0145-0001WH	PA0301-0145-0001BL	PA0301-0145-0001YE
			

CABLE HOOK	
CH0128-0048-A2BL	<p>Cable Hook 128x48mm - A2 - BL (incl fixations)</p> 