

BO145L EV

BOLLARDS AND HEIGHT RESTRICTORS

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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 - 3.1 mph)
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.

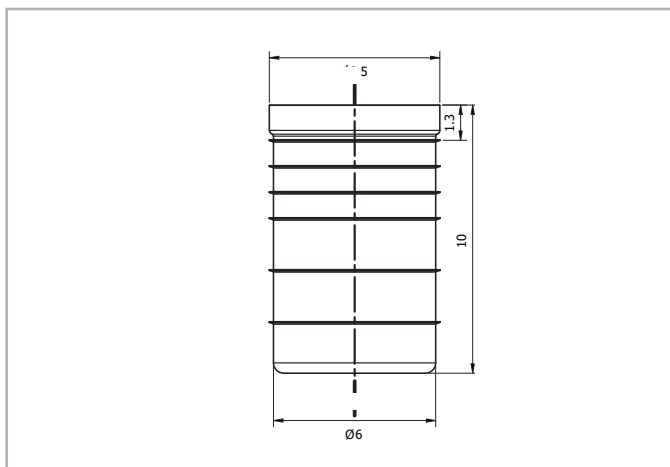
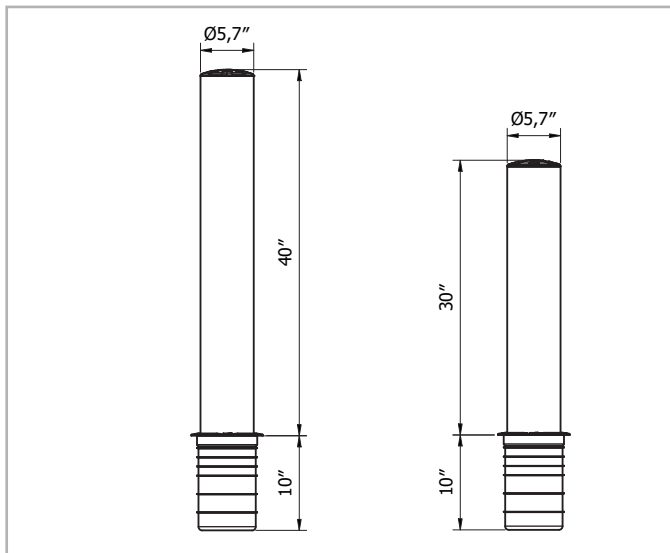
^{***}Ask your local sales office for resistance to specific chemicals.



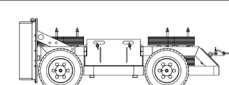
FEATURES AND FUNCTIONALITY - B0145L EV

SIZE	
Height	40 in 30 in
Profile section post	Tube: Ø5.7 in (0.3 in thick)
Seal	ID: Ø5.7 in OD: Ø7.7 in
Socket	Diameter: Ø6.5 in Height: 10.2 in

REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness (in)	minimum 6
Concrete slab dimension around posts (in)	15.7 (h) x 15.7 (w) x 11.8 (d)
Operational temperature	14°C up to 104°C
Water and humidity	Drainage hole in socket



113 <<< SPECSHEET

 IMPACT LABEL SAFETY GATES			
BOLLARD 145L EV		90°	
BOPLAN IMPACT CATEGORY	RATING		
X	50 kJ		
T	40 kJ		
F	30 kJ		
R	25 kJ		
B	20 kJ		
L	17 kJ		
	15 kJ	*Dynamic impact result: 2000 joule	
	12 kJ		
	10 kJ		
	7.5 kJ		
	5.0 kJ		
	2.5 kJ		
	0.5 kJ		
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		α _i = 20.8° D _i = 262 mm / 10 1/4 inch	
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			
* IMPACT VALUE ACCOUNTING FOR BARRIER DEFORMATION DURING IMPACT		IL-B0145LEV-20250310	

Boplan USA INC | 4350 W White Road, Suite 300, Flowery Branch, GA | +1 678 890 5906 | sales@boplan.us | www.boplan.com

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REFERENCE LIST - B0145L EV

	BLACK	MULTICOLOR 
40 in	B0145L0-1000-01EVBL	B0145L0-1000-01EVMC
30 in	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	Cable Hook 5x1.9 inch - A2 - BL (incl fixations) 