

GP200B

BOLLARDS AND HEIGHT RESTRICTORS







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Boplan reference: GP200B..



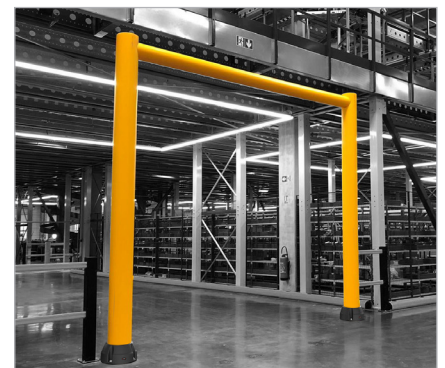
PRODUCT SPECIFICATIONS

APPLICATION		
Protection	The GP200B by Boplan features an advanced tube-in-tube design, offering robust height restriction capabilities with an impressive impact resistance of up to 7.5 kJ. Designed as a cost-effective solution, it provides essential protection for gates, canopies, bridges, loading docks, and industrial doorways against collisions with high vehicles such as trucks and buses. Equipped with a solid base defender, it efficiently absorbs collision forces while maintaining safe distances from pallets, ensuring comprehensive indoor and outdoor protection in industrial environments.	
Impact performance at 90°	POST: 7500 Joule (Eq. to 8322 lbs - 4.47 mph)	
MATERIAL		
Posts and rails	Extrilene® - UV resistant - Fire class E* - Non conductive - Impervious to most chemicals**	
Caps	Sustainable elastomer	
STANDARD COLOURS		
Posts	Yellow RAL 1003	
Top rail	Yellow RAL 1003	
OPTIONAL		
Base Shield	The optional Shield ensures additional protection to crucial internal components by deflecting ground level impacts. It will also increase display presence and hygiene by covering over the fixations.	
Sign Mark 200	Sign board used to display important messages. It is designed for a perfect fit around the posts and signs can easily be replaced with just a click.	
BASEPLATES		
	Zinc Coated Steel	Stainless steel
Material	Steel 37	Stainless steel 304
Coating	Electroplated + Laquered	No lacquer / No coating
Colour	Mat black	Natural colour

*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
	Wedge anchor	 Ø18mm (M12) x 130mm 	Ø18mm (M12) x 130mm 
ALTERNATIVE	Anchor rod (chemical)	 M16 x 120mm + chemical resin	M16 x 120mm + chemical resin





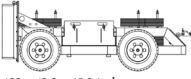
The anchors specified in this document are metric. Imperial anchors are available on demand.

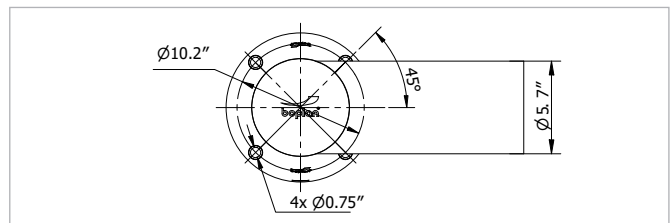
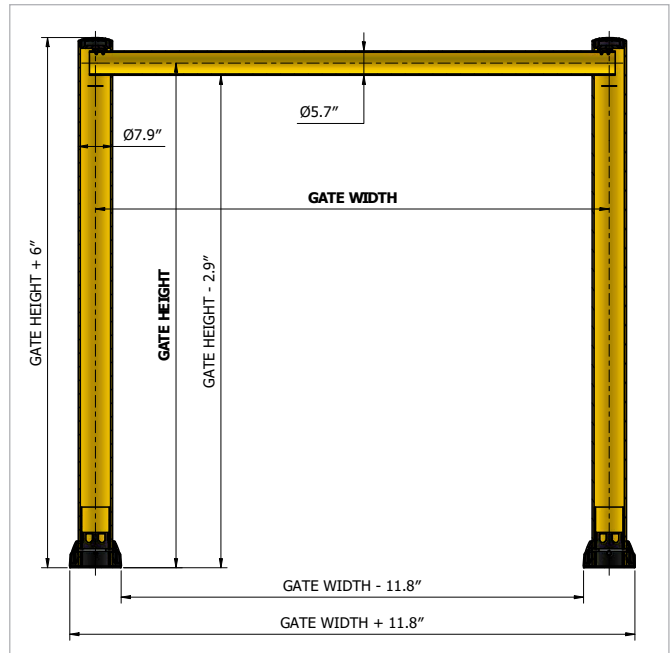


FEATURES AND FUNCTIONALITY - GP200B

SIZE	
Inner Height	min. 73 - max. 151.8 in
Inner Width	min. 63 - max. 149.6 in
Vertical frame post	Outer tube: Ø8 in
Horizontal top rail	Ø5.7 in
Baseplate	Ø11.8 in (0.4 in thick)
Base Defender	Top: Ø8 in Base: Ø12 in Height: 5.9 in

REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness	minimum 6 in
Concrete slab dimension around posts	40 (h) x 40 (w) x 28 (d) in
Operational temperature	14°F up to 104°F
Water and humidity	Zinc coated: outdoor use in most environments. Stainless Steel: outdoor use or frequent exposure to water and humidity.

boplan IMPACT LABEL SAFETY GATES		
GOAL POST 200B		
BOPLAN IMPACT CATEGORY	RATING	90°
X	50 kJ	
	40 kJ	
T	30 kJ	
	25 kJ	
F	20 kJ	
	17 kJ	
R	15 kJ	
	12 kJ	
B	10 kJ	
	7.5 kJ	
L	5.0 kJ	
	2.5 kJ	
	0.5 kJ	
<small>*Dynamic impact result: 7500 Joule</small>		
IMPACT TEST RESULTS AT 90°		
Product: GP200B1-4000-S200YEZ - 4000 mm / 13 ft		
Deflection Post (α)		
At maximum impact energy		
		α = 15.5°
TEST CONDITIONS FOLLOWING PAS13: 2017		BOPLAN TEST CENTRE Muizelstraat 12 8560 Moorsele Belgium
TEMPERATURE: 20°C / 68°F		
IMPACT ON MIDDLE OF POST		
IMPACT HEIGHT: 300 mm / 11 Inch		
TEST FLOOR: CONCRETE SLAB C25/30 - 150 mm / 6 Inch		
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-GP200B-20241106



REFERENCE LIST - GP200B
POSTS

 GP200B Post - 79-118 in ZC
 GP200B Post - 79-118 in SS

 GP200B1-3000-S200YEZ
 GP200B1-3000-S200YES

 GP200B Post - 122-157 in ZC
 GP200B Post - 122-157 in SS

 GP200B1-4000-S200YEZ
 GP200B1-4000-S200YES

TOP RAIL

GP200B Top rail - 71-98 in

GP200B1-2500-TR00YE

GP200B Top rail - 103-157 in

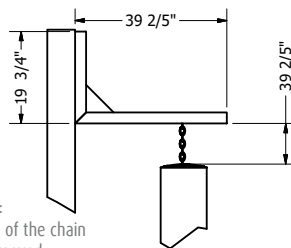
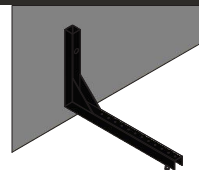
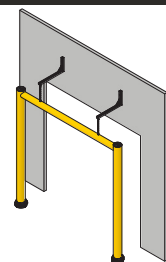
GP200B1-4000-TR00YE

SUPPORT

 Wall connection - for top rail
 metal with chain

(Ref. = 1 piece)

GP0099-0002-WCPOBL


 Remark:
 Position of the chain
 can be moved.

 DETAIL A
 SCALE 1/25

Base Shield (OPTIONAL, NOT INCLUDED)

Ø8 in

BP2000-0175-0001BL

