

GP200B

BOLLARDS AND HEIGHT RESTRICTORS

Revision: 31 March 2025 8:59 AM
Boplan reference: GP200B..









PRODUCT SPECIFICATIONS

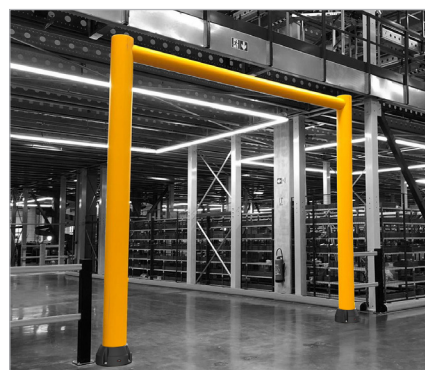
APPLICATION		
Protection	The GP200B by Boplan features an advanced tube-in-tube design, offering robust height restriction capabilities with an impressive impact resistance of up to 7.5 kJ. Designed as a cost-effective solution, it provides essential protection for gates, canopies, bridges, loading docks, 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 3,8 ton - 7.2 km/h)	
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 
	Anchor rod (Chemical)		M16 x 120mm + chemical resin	M16 x 120mm + chemical resin




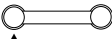


The anchors specified in this document are metric. Imperial anchors are available on demand.

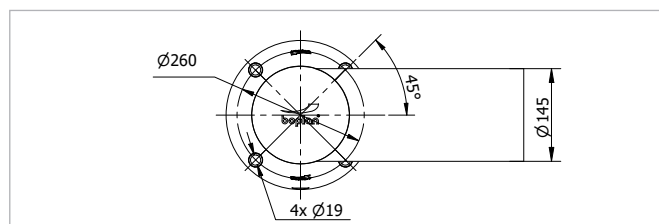
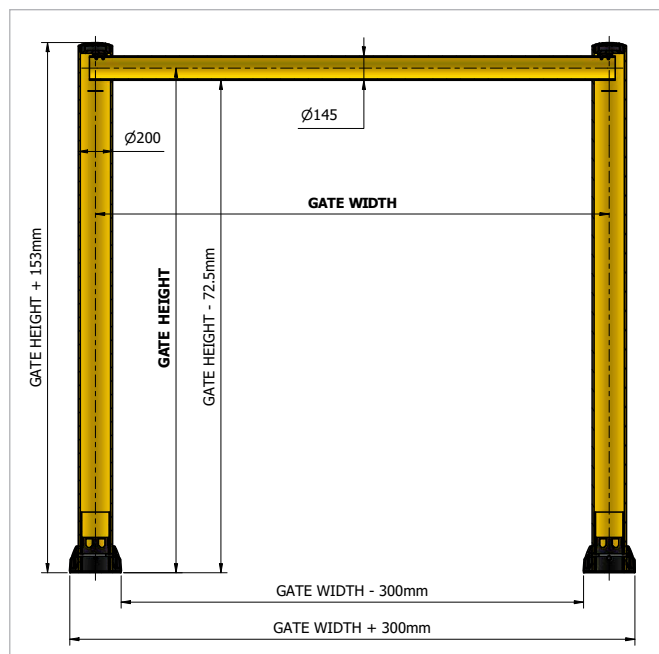


FEATURES AND FUNCTIONALITY - GP200B

SIZE	
Inner Height	min. 1855 - max. 3855 mm
Inner Width	min. 1600 - max. 3800 mm
Vertical frame post	Outer tube: Ø200 mm
Horizontal top rail	Ø145 mm
Baseplate	Ø300 mm (10 mm thick)
Base Defender	Top: Ø200 mm Base: Ø304 mm Height: 150 mm

REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness	minimum 150 mm
Concrete slab dimension around posts	1000 (h) x 1000 (w) x 700 (d) mm
Operational temperature	-10°C up to +40°C
Water and humidity	Zinc coated: outdoor use in most environments. Stainless Steel: outdoor use or frequent exposure to water and humidity.

<div></div> <div>IMPACT LABEL SAFETY GATES</div>		<div></div>	
GOAL POST 200B		90°	
BOPLAN IMPACT CATEGORY	RATING		
X	50 kJ		
	40 kJ		
T	30 kJ		
	25 kJ		
F	20 kJ		
	17kJ		
	15 kJ		
R	12 kJ		
	10 kJ		
B	7.5kJ		
	5.0 kJ		
	2.5 kJ		
	0.5 kJ		
		<div></div>	
		*Dynamic impact result: 7500 Joule	
IMPACT TEST RESULTS AT 90°			
Product: GP200B1-4000-S200YEZ - 4000 mm / 13 ft			
Deflection Post (α)			
At maximum impact energy			
		<div></div> <div></div> <div>α = 15.5°</div>	
TEST CONDITIONS FOLLOWING PAS13: 2017		BOPLAN TEST CENTRE	
TEMPERATURE: 20°C / 68°F		Muizelstraat 12	
IMPACT ON MIDDLE OF POST		8560 Moorsele	
IMPACT HEIGHT: 300 mm / 11 Inch		Belgium	
TEST FLOOR: CONCRETE SLAB C25/30 - 150 mm / 6 Inch			
TEST VEHICLE:		<div></div>	
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 - 2000-3000mm ZC
GP200B Post - 2000-3000mm SS

GP200B1-3000-S200YEZ
GP200B1-3000-S200YES

GP200B Post - 3100-4000mm ZC
GP200B Post - 3100-4000mm SS

GP200B1-4000-S200YEZ
GP200B1-4000-S200YES

TOP RAIL

GP200B Top rail - 1800-2500mm

GP200B1-2500-TR00YE

GP200B Top rail - 2600-4000mm

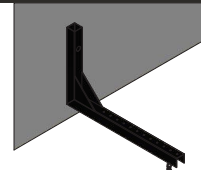
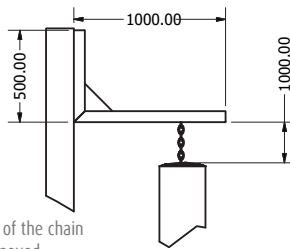
GP200B1-4000-TR00YE

SUPPORT

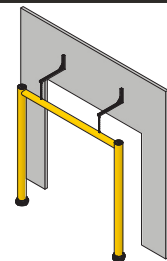
Wall connection - for top rail
metal with chain
(Ref. = 1 piece)

GP0099-0002-WCP0BL

Remark:
Position of the chain
can be moved.



DETAIL A
SCALE 1/25



Base Shield (OPTIONAL, NOT INCLUDED)

Ø200 mm

BP2000-0175-0001BL

