

GP200B

BOLLARDS AND HEIGHT RESTRICTORS







Revision: 13 December 2024 3:07 PM
Boplan reference: GP200B..



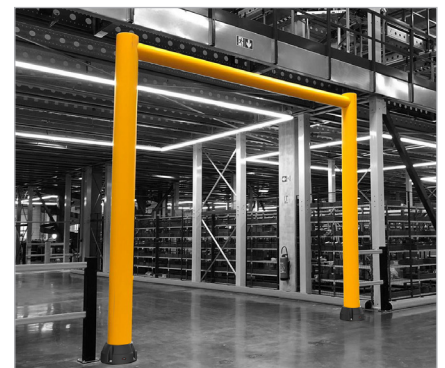
PRODUCT SPECIFICATIONS

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 
ALTERNATIVE	Anchor rod (Chemical)	 M16 x 120mm + chemical resin	M16 x 120mm + chemical resin

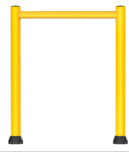


The anchors specified in this document are metric. Imperial anchors are available on demand.

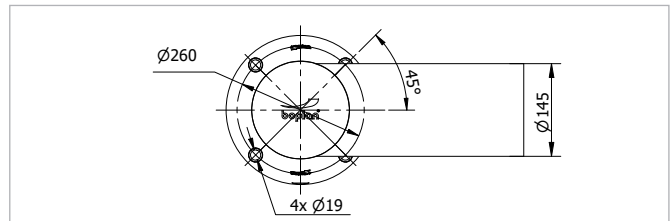
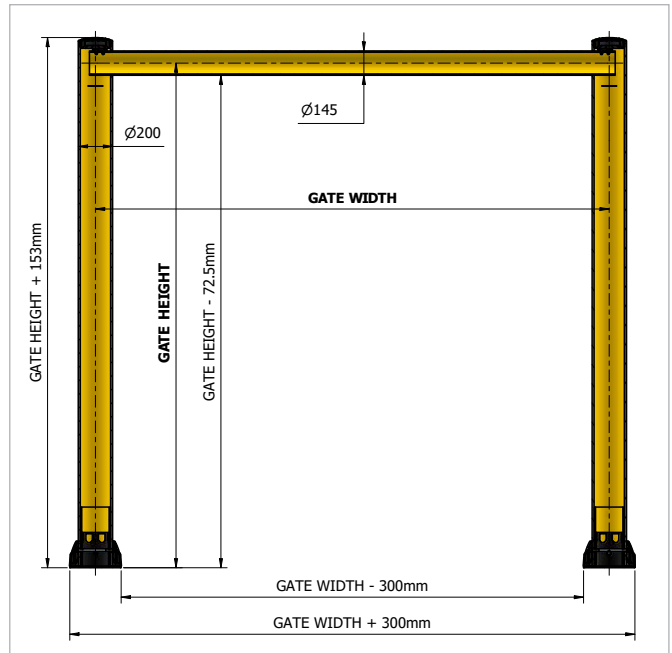


FEATURES AND FUNCTIONALITY - GP200B

SIZE	
Inner Height	min. 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.

boplan IMPACT LABEL SAFETY GATES		
GOAL POST 200B		
BOPLAN IMPACT CATEGORY	RATING	90°
X	50 kJ	 7500 Joule
	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	
IMPACT TEST RESULTS AT 90° Product: GP200B1-4000-S200YEZ - 4000 mm / 13 ft Deflection Post (α) At maximum impact energy		
TEST CONDITIONS FOLLOWING PAS13: 2017 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		BOPLAN TEST LAB 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-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

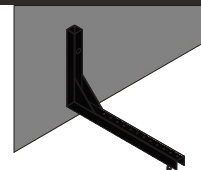
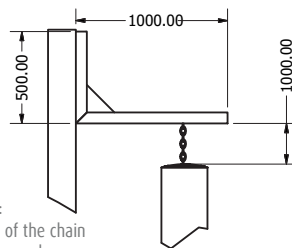
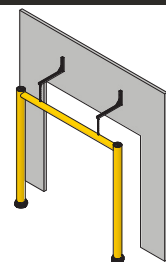
GP200B1-4000-TR00YE

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

