

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

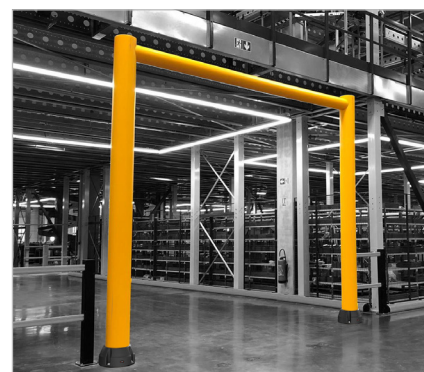
*Classification according to EN 13501-1:2007 +A1:2009 - Fire classification of construction products and building elements.

**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
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.

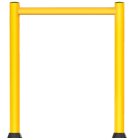
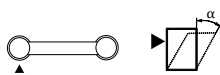
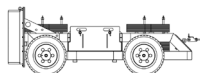


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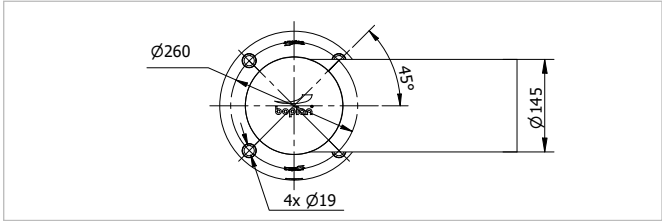
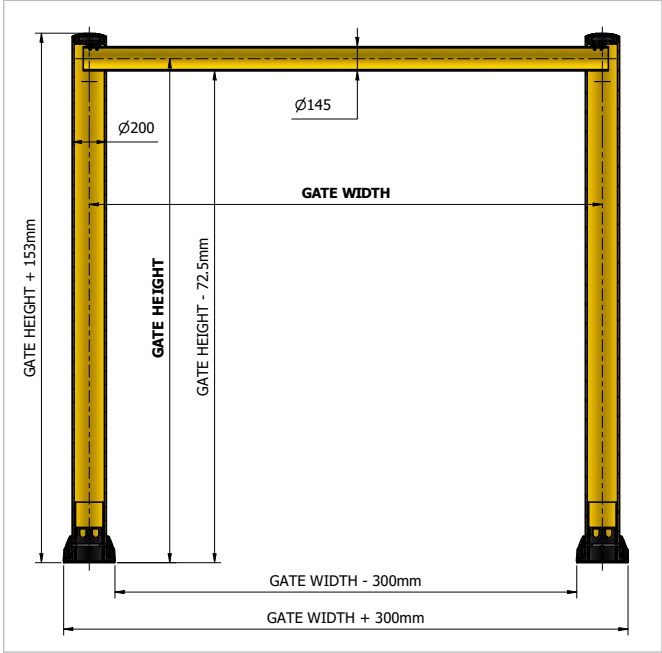


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SIZE	
Inner Height	min. 1855 - max. 3855 mm
Inner Width	min. 1600 - max. 3800 mm
Vertical frame post	Outer tube: Ø200 mm
Horizontal top rail	Ø145 mm
Baseplate	Ø300 mm (10 mm thick)
Base Defender	Top: Ø200 mm Base: Ø304 mm Height: 150 mm

 IMPACT LABEL SAFETY GATES			
GOAL POST 200B		90°	
BOPLAN IMPACT CATEGORY	RATING		
X	50 kJ		
	40 kJ		
T	30 kJ		
	25 kJ		
F	20 kJ		
	17kJ		
R	15 kJ		
	12 kJ		
B	10 kJ		
	7.5kJ		
L	5.0 kJ		
	2.5 kJ		
	0.5 kJ		
		*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			
		 α = 15.5°	
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:			
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	

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.



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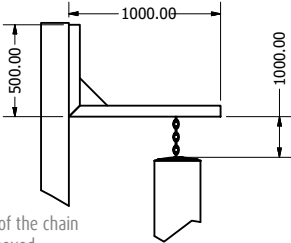
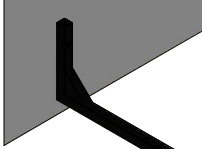
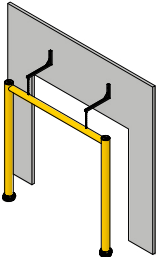
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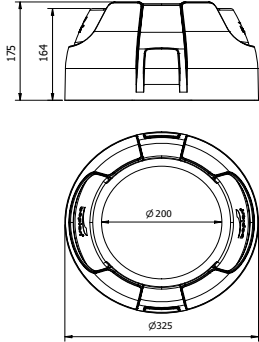
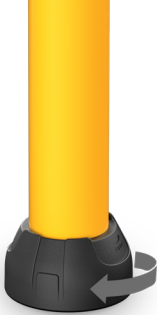


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POSTS	
GP200B Post - 2000-3000mm ZC GP200B Post - 2000-3000mm SS	GP200B1-3000-S200YEZ GP200B1-3000-S200YES
GP200B Post - 3100-4000mm ZC GP200B Post - 3100-4000mm SS	GP200B1-4000-S200YEZ GP200B1-4000-S200YES

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
	 



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