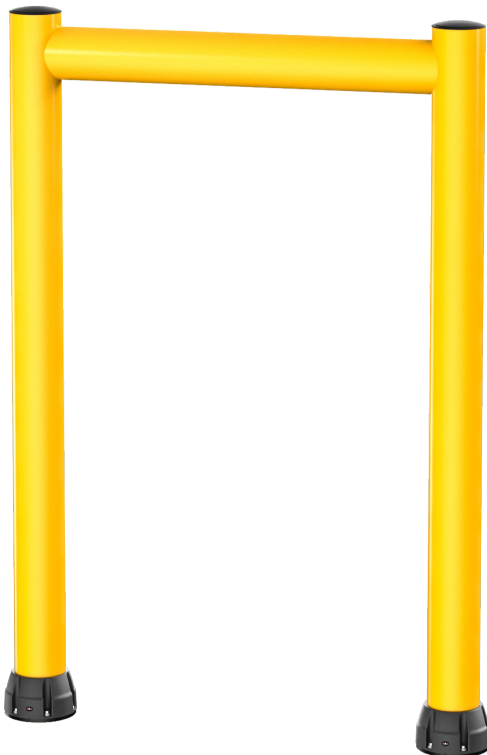


GP250R

BOLLARDS AND HEIGHT RESTRICTORS

Revision: 20 January 2026 10:30 AM
Boplan reference: GP250R...



PRODUCT SPECIFICATIONS

APPLICATION	
Protection	Utilizing Boplan's innovative tube-in-tube system, the GP250R is engineered as a robust height restriction solution with an impressive impact resistance up to 10 kJ. It serves as a protection for gates, canopies, bridges, loading docks, and industrial doorways against collisions with high vehicles like elevated work platforms, trucks, and buses. Enhanced by a solid base defender, it effectively absorbs collision forces while ensuring safe distances from pallets. Ensuring protection indoors and outdoors in industrial environments.
Impact performance at 90°	POST: 10 200 Joule (Eq. to 8322 lbs - 5.16 mph)
MATERIAL	
Posts and rails	Extrilene® - UV resistant - Fire class E ⁺ - Non conductive - Impervious to most chemicals ^{**}
Caps	Sustainable elastomer
STANDARD COLOUR	
Posts	Yellow RAL 1003
Top rail	Yellow RAL 1003
OPTIONAL	
Sign Mark 200	Sign board used to display important messages. It is designed for a perfect fit around the Top Rail and signs can easily be replaced with just a click.
BASEPLATE	
	Zinc Coated Steel
Material	Steel 37
Coating	Electroplated + Laquered
Colour	Mat black

*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 	Not available
ALTERNATIVE	Anchor rod (Chemical)	 M16 x 120mm + chemical resin	Not available

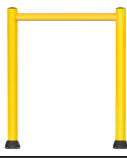
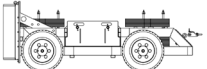
The anchors specified in this document are metric. Imperial anchors are available on demand.

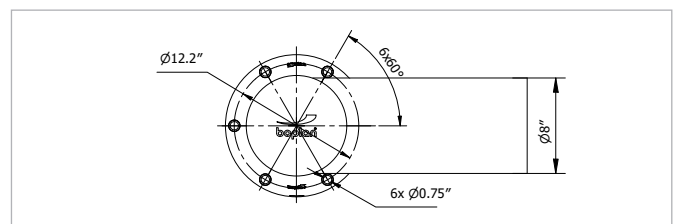
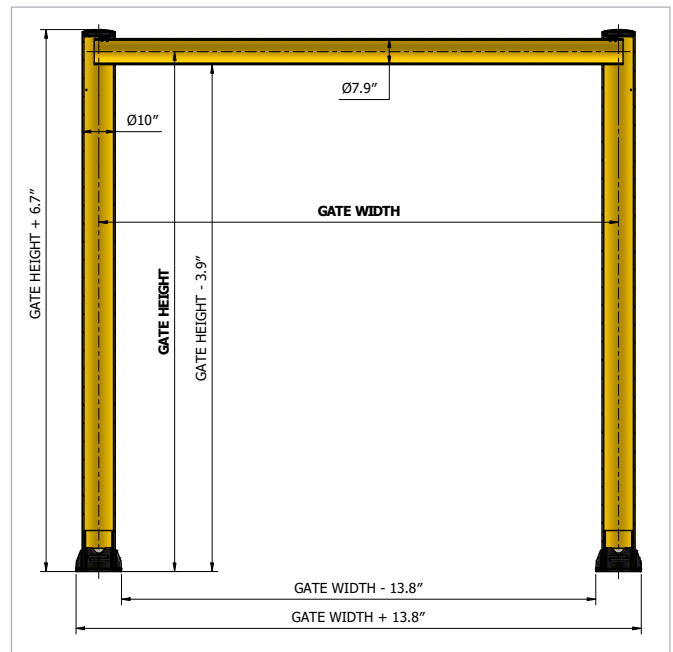


FEATURES AND FUNCTIONALITY - GP250R

SIZE	
Inner Height	min. 74.8 - max. 232.3 in
Inner Width	min. 60.8 - max. 226.2 in
Vertical frame post	Outer tube: Ø10 in
Horizontal top rail	Ø8 in
Baseplate	Ø13.8 in (0.6 in thick)
Base Defender	Top: Ø9.8 in Base: Ø14 in Height: 6 in

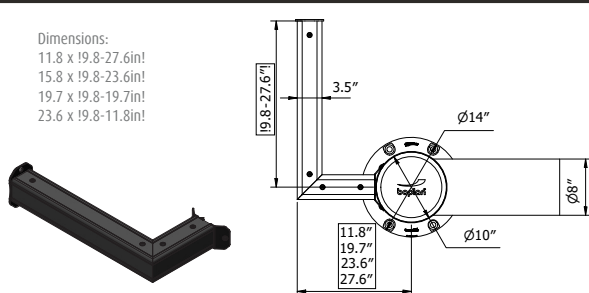
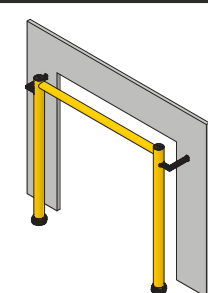
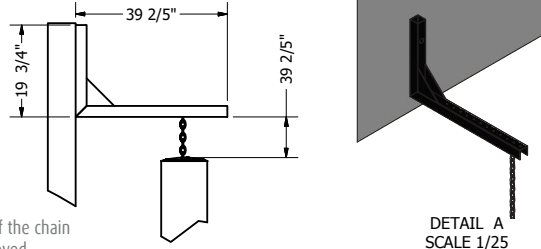
REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness (mm)	minimum 6 in
Concrete slab dimension around posts (mm)	40 (h) x 40 (w) x 28 (d)
Operational temperature	14°F up to 104°F
Water and humidity	Zinc coated: outdoor use in most environments.
When higher than 157 in	(wall) connection needed

 IMPACT LABEL SAFETY GATES			
GOAL POST 250R			
BOPLAN IMPACT CATEGORY	RATING	90°	
X	50 kJ 40 kJ		
T	30 kJ 25 kJ 20 kJ		
F	17kJ		
R	15 kJ 12 kJ		
B	10 kJ 7.5kJ		
L	5.0 kJ 2.5 kJ 0.5 kJ		
*Dynamic impact result: 10 200 Joule			
IMPACT TEST RESULTS AT 90° Product: GP250R1-4000-S200YEZ - 4000 mm / 13 ft Deflection Post (α) At maximum impact energy			
 $\alpha = 8.6^\circ$			
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 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-GP250R-20241106	



REFERENCE LIST - GP250R

POSTS		TOP RAIL	
GP250R Posts - 79-118 in Yellow ZC	GP250R1-3000-S200YEZ	GP250R Top rail - 71-98 in Yellow	GP250R1-2500-TR00YE
GP250R Posts - 119-157 in Yellow ZC	GP250R1-4000-S200YEZ	GP250R Top rail - 99-157 in Yellow	GP250R1-4000-TR00YE
GP250R Posts - 158-236 Yellow ZC (Wall connection mandatory but NOT included)	GP250R1-6000-S88YEZ	GP250R Top rail - L 158-236 in Yellow Reinforced	GP250R1-6000-TRRBYE

SUPPORT			
Wall connection plastic system Black (Ref. = 1 piece)	GP250R-0300-0700-WBL GP250R-0400-0600-WBL GP250R-0500-0500-WBL GP250R-0600-0400-WBL	Dimensions: 11.8 x 19.8-27.6in! 15.8 x 19.8-23.6in! 19.7 x 19.8-19.7in! 23.6 x 19.8-11.8in! 	
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	