

DG250R

SAFETY GATES

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Boplan reference: DG250R...



PRODUCT SPECIFICATIONS

APPLICATION

Protection	The Dock Gate 250R is a double-rail safety gate designed for the protection of people and infrastructure, providing easy access to goods and ensuring safety against falls and collisions. Built with a patented tube-in-tube structure, it withstands impacts up to 10.2 kJ. The Soft close mechanism allows controlled movement, with bottom and side handles for ease of operation. Base Defenders are included to provide ground-level protection. The gate has a maximum opening capacity of 3000 mm.
Environment	Around loading docks. Around loading pits.
Features	Create openings up to 3000mm. Ergonomic side and bottom handle. Soft closing system with a damping motion over entire closing stroke. Equipped with Base Defenders to shield fixations & to improve ground level protection. Flexible tube-in-tube system improving impact resistance. Removable Rails for easy assembly and servicing. Low maintenance. Efficient design with minimal footprint. UV resistant.
Optional	Equipped with an optional Rail Spacer ensuring a 25mm gap between the rails when the gate is open. This results in maximum 90 mm reduction in the gate opening width.
Impact performance 90°	Posts & Rails: 10 200 Joule - Eq. to 3.8 ton at 8.4 km/h - Following UNI 11886-1

MATERIAL

Rails, posts & handles	Extrilene® - UV resistant - Fire class E* - Non conductive - Impervious to most chemicals**.
Base Defender & Cap	Sustainable elastomer.
Baseplate	Black laquered zinc coated steel.

STANDARD COLORS

Posts	Yellow
Rails	Yellow
Caps, Base Defender, handles & visible metals	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
ALTERNATIVE	Wegde anchor		Ø18mm (M12) x 130mm		Not available

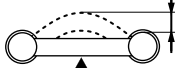
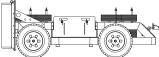
The anchors specified in this document are metric. Imperial anchors are available on demand.



FEATURES AND FUNCTIONALITY - DG250R

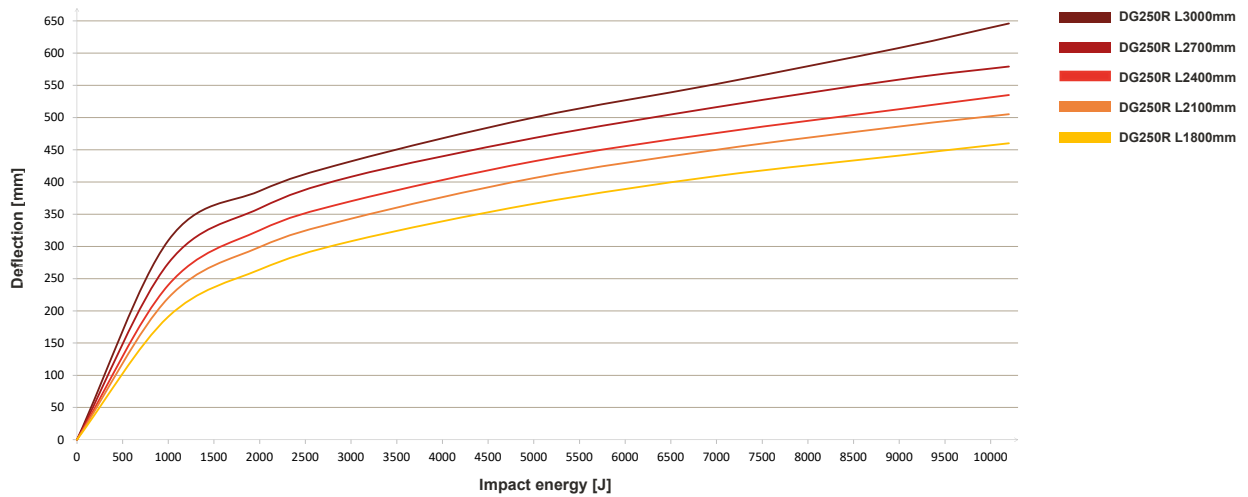
SIZE	
Height posts	1227 mm
Profile section posts	Ø 254mm
Profile section rails	Ø 100mm
Baseplate	Ø 350 mm (15 mm thick)
Base Defender	Top: Ø 250 mm Base: Ø 354 mm Height: 150 mm

REQUIREMENTS	
Concrete quality	Recommended C25/30
Concrete floor plate thickness	Recommended 150 mm
Concrete slab dimension around posts	1000 (h) x 1000 (w) x 700 (d) mm
Operational temperature	8°C up to +40°C
Water and humidity	Indoor use only

 IMPACT LABEL SAFETY GATES				
DOCK GATE 250R				
BOPLAN IMPACT CATEGORY	RATING	90°	45°	UNI 11886-1
X	50 kJ			ENERGY CLASS 4
T	40 kJ			
F	30 kJ			OPERATIONAL FOOTPRINT W950
R	25 kJ			
B	20 kJ		20 400 Joule	ASI CLASS b
L	17 kJ			
	15 kJ			
	12 kJ	10 200 Joule		
	10 kJ			
	7.5 kJ			
	5.0 kJ			
	2.5 kJ			
	0.5 kJ			
		*Dynamic impact result: 10 200 Joule	*Dynamic impact result: 14 425 Joule	
IMPACT TEST RESULTS AT 90° PRODUCT: DG250R-3000-5200YE Deflection Rail (Dr) At maximum impact energy  Dr: 646 mm / 25.4 Inch				
TEST CONDITIONS FOLLOWING UNI 11886-1 AND PAS13: 2017 TEMPERATURE: 20°C / 68°F IMPACT ON MIDDLE OF RAILS AND MIDDLE OF POST IMPACT HEIGHT: 520 mm / 20.5 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-DG250R-20241106		

FEATURES AND FUNCTIONALITY - DG250R

Deflection curve - Rails



See impact label for detailed information on the test conditions.

REFERENCE LIST - DOCK GATE 250R

Reference	Description	Inner width (L)	Height when open (H)	Weight
DG250R0-1800-S200YEZ	Dock Gate 250R - 1800 mm - YE - ZC - (including 2 posts)	1800 mm	3304 mm	124.9 Kg
DG250R0-2100-S200YEZ	Dock Gate 250R - 2100 mm - YE - ZC - (including 2 posts)	2100 mm	3604 mm	125.3 Kg
DG250R0-2400-S200YEZ	Dock Gate 250R - 2400 mm - YE - ZC - (including 2 posts)	2400 mm	3904 mm	124.6 Kg
DG250R0-2700-S200YEZ	Dock Gate 250R - 2700 mm - YE - ZC - (including 2 posts)	2700 mm	4204 mm	129.8 Kg
DG250R0-3000-S200YEZ	Dock Gate 250R - 3000 mm - YE - ZC - (including 2 posts)	3000 mm	4504 mm	128.5 Kg

DRAWING AND DIMENSIONS - DG250R

Dimensions = mm (inch)

