

DG250F

SAFETY GATES

Revision: 27 March 2025 8:03 AM
Boplan reference: DG250F..







PRODUCT SPECIFICATIONS

APPLICATION	
Protection	The Dock Gate 250F 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 16 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 3660 mm.
Environment	Around loading docks. Around loading pits.
Features	Create openings up to 3660mm. 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 & back plate disperse impact energy, 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: 16 060 Joule - Eq. to 3.8 ton at 10.5 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.

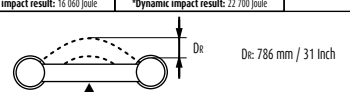



FEATURES AND FUNCTIONALITY - DG250F

SIZE	
Height posts	1227 mm
Profile section posts	Ø 254 mm
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

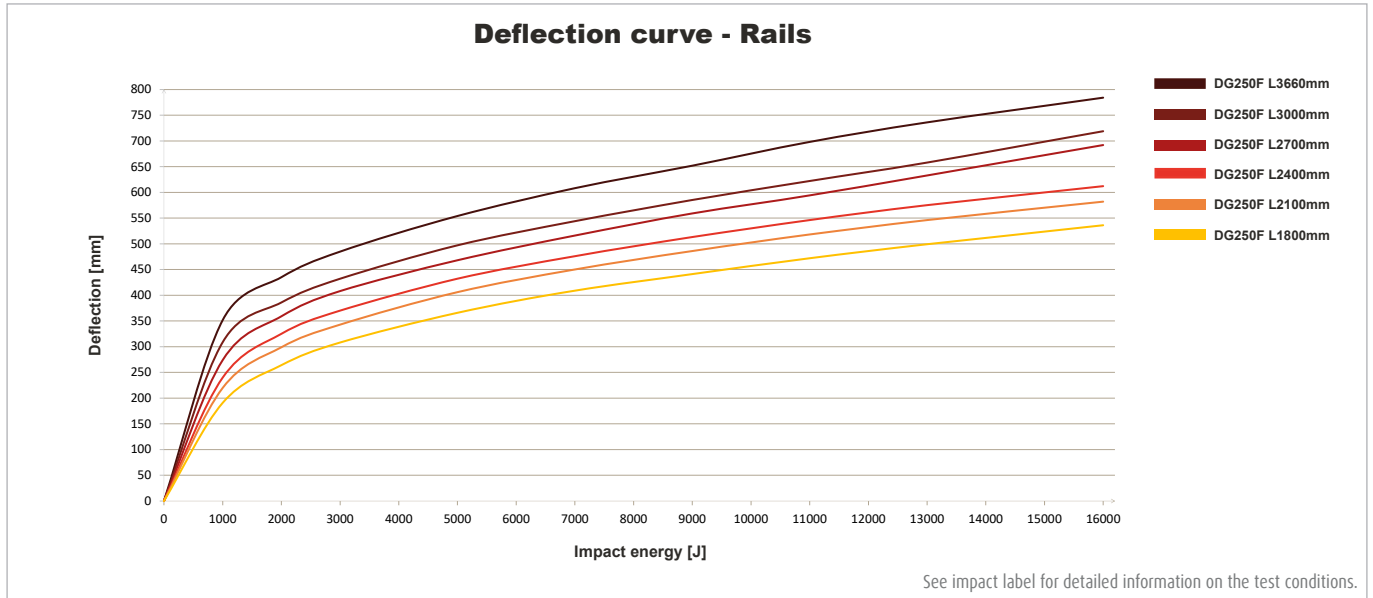
BOPLAN IMPACT CATEGORY		RATING	90°	45°	UNI 11886-1
X	50 kJ				ENERGY CLASS
T	40 kJ			32 120 Joule	6
F	30 kJ				OPERATIONAL FOOTPRINT
R	25 kJ				W1110
B	20 kJ				ASI CLASS
L	17kJ	16 060 Joule			b
	15 kJ				
	12 kJ				
	10 kJ				
	7.5kJ				
	5.0 kJ				
	2.5 kJ				
	0.5 kJ				
			*Dynamic impact result: 16 060 joule	*Dynamic impact result: 22 700 joule	

IMPACT TEST RESULTS AT 90°	
PRODUCT: DG250F0-3660-S200YE	
Deflection Rail (Dr)	
At maximum impact energy	

TEST CONDITIONS FOLLOWING UNI 11886-1 AND PAS13: 2017	BOPLAN TEST CENTRE
TEMPERATURE: 20°C / 68°F	Muizelstraat 12 8560 Moorsele Belgium
IMPACT ON MIDDLE OF RAILS AND MIDDLE OF POST	Approved by:
IMPACT HEIGHT: 520 mm / 20.5 Inch	TÜV NORD Systems
TEST FLOOR: CONCRETE SLAB C25/30 - 150 mm / 6 Inch	UNI 11886-1 PAS13: 2017
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-DG250F-20250207
---	---------------------------

FEATURES AND FUNCTIONALITY - DG250F



REFERENCE LIST - DG250F

Reference	Description	Inner width (L)	Height when open (H)	Weight
DG250F0-1800-S200YEZ	Dock Gate 250F - 1800 mm - YE - ZC - (including 2 posts)	1800 mm	3304 mm	126.5 Kg
DG250F0-2100-S200YEZ	Dock Gate 250F - 2100 mm - YE - ZC - (including 2 posts)	2100 mm	3604 mm	127.0 Kg
DG250F0-2400-S200YEZ	Dock Gate 250F - 2400 mm - YE - ZC - (including 2 posts)	2400 mm	3904 mm	126.2 Kg
DG250F0-2700-S200YEZ	Dock Gate 250F - 2700 mm - YE - ZC - (including 2 posts)	2700 mm	4204 mm	131.4 Kg
DG250F0-3000-S200YEZ	Dock Gate 250F - 3000 mm - YE - ZC - (including 2 posts)	3000 mm	4504 mm	130.1 Kg
DG250F0-3660-S200YEZ	Dock Gate 250F - 3660 mm - YE - ZC - (including 2 posts)	3660 mm	5164 mm	133.9 Kg

DRAWING AND DIMENSIONS - DG250F

Dimensions = mm (inch)

