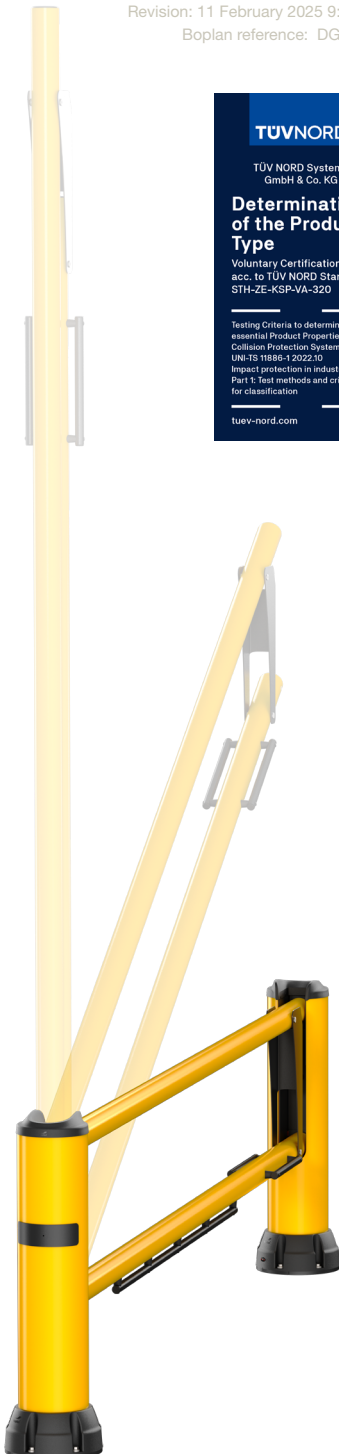


DG250F

SAFETY GATES

Revision: 11 February 2025 9:02 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 12ft.
Environment	Around loading docks. Around loading pits.
Features	Create openings up to 12ft. 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 1 inch gap between the rails when the gate is open. This results in maximum 3.5 inch reduction in the gate opening width.
Impact performance 90°	Posts & Rails: 16 060 Joule - Eq. to 8322 lbs at 6.5 mph - 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


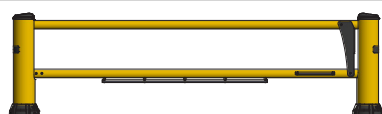
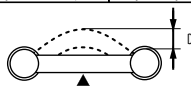

The anchors specified in this document are metric. Imperial anchors are available on demand.



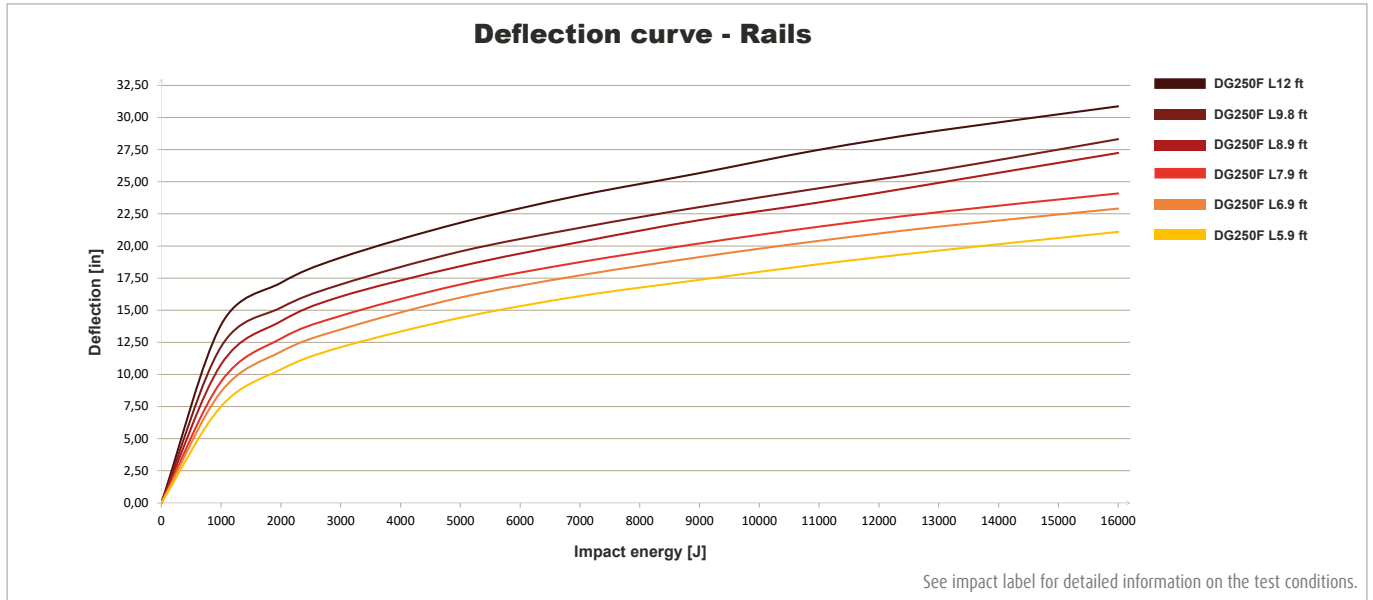
FEATURES AND FUNCTIONALITY - DG250F

SIZE	
Height posts	48.3 in
Profile section posts	Ø10 in
Profile section rails	Ø4 in
Baseplate	Ø13.8 in (0.6 in thick)
Base Defender	Top: Ø9.8 in Base: Ø14 in Height: 6 in

REQUIREMENTS	
Concrete quality	Recommended C25/30
Concrete floor plate thickness	Recommended 6 in
Concrete slab dimension around posts	40 (h) x 40 (w) x 28 (d) in
Operational temperature	47°F up to +104°F
Water and humidity	Indoor use only

 IMPACT LABEL SAFETY GATES					
DOCK GATE 250F					
BOPLAN IMPACT CATEGORY	RATING	90°	45°	UNI 11886-1	
X	50 kJ			ENERGY CLASS	
	40 kJ			6	
T	30 kJ		32 120 Joule	OPERATIONAL FOOTPRINT	
	25 kJ			W1110	
F	20 kJ	16 060 Joule		ASI CLASS	
	17 kJ			b	
R	15 kJ				
	12 kJ				
B	10 kJ				
	7.5 kJ				
L	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: DG250F-3660-S200YE Deflection Rail (Dr) At maximum impact energy					
				Dr: 786 mm / 31 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 Approved by: TÜV NORD Systems 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 - 5.9 ft - YE - ZC - (including 2 posts)	5.9 ft	10.8 ft	278.9 lbs
DG250F0-2100-S200YEZ	Dock Gate 250F - 6.9 ft - YE - ZC - (including 2 posts)	6.9 ft	11.8 ft	278.0 lbs
DG250F0-2400-S200YEZ	Dock Gate 250F - 7.9 ft - YE - ZC - (including 2 posts)	7.9 ft	12.8 ft	278.2 lbs
DG250F0-2700-S200YEZ	Dock Gate 250F - 8.9 ft - YE - ZC - (including 2 posts)	8.9 ft	13.8 ft	289.7 lbs
DG250F0-3000-S200YEZ	Dock Gate 250F - 9.8 ft - YE - ZC - (including 2 posts)	9.8 ft	14.8 ft	286.8 lbs
DG250F0-3660-S200YEZ	Dock Gate 250F - 12 ft - YE - ZC - (including 2 posts)	12 ft	16.9 ft	295.2 lbs

DRAWING AND DIMENSIONS - DG250F

Dimensions = mm (inch)

