

TB MINI DOUBLE

SAFETY BARRIER

Revision: 30 May 2024 5:04 PM
Boplan reference: MB400...



PRODUCT SPECIFICATIONS

APPLICATION			
Environment	The TB Mini Double is similar in design to TB Mini but with an additional tube for increased protection. The TB Mini double is used as protection against rolling containers, pallet trucks or shopping trolleys with limited speeds. Quick and easy to install.		
Impact performance at 90°	POST: 3000 Joule (Eq. to 2,5 ton - 5,5 km/h)		
	RAIL: 5000 Joule (Eq. to 2,5 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			
Impact tube	Yellow RAL 1003		
BASEPLATES			
	Steel	Zinc Coated Steel	Stainless steel
Material	Steel 37	Steel 37	Stainless steel 304
Coating	Lacquered	Electroplated + Laquered	No lacquer / No coating
Colour	High gloss black	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	Wedge anchor	 M12 x 120mm	M12 x 120mm
	Anchor rod (Chemical)	 M12 x 120mm + Chemical resin	M12 x 120mm + Chemical resin
ALTERNATIVES	Concrete screw	 Ø12mm x 100mm	Not available
	Asphalt anchor	 Bolt M10 x 40mm + Screw Ø16mm	Not available
	Spit anchor	 Bolt M12 x 100mm + Plug Ø20mm	Not available



FEATURES AND FUNCTIONALITY - TB MINI DOUBLE

SIZE	
Height	400 mm
Profile section tubes	Ø125 mm (10 mm thick)
Profile section posts	88 mm x 88 mm (7.5 mm thick)
Standard length	2000 mm (other sizes: 500 mm - 1999 mm)
Baseplates	100 mm x 150 mm (5 mm thick)

REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness (mm)	minimum 150 mm
Concrete slab dimension around posts (mm)	500 (h) x 500 (w) x 400 (d)
Operational temperature	-10°C up to +40°C
Water and humidity	Steel (standard): dry indoor use only. Zinc coated: outdoor use in most environments. Stainless Steel: outdoor use or frequent exposure to water and humidity.

boplan **IMPACT LABEL FOR SAFETY BARRIERS**

BOPLAN TB MINI DOUBLE		
IMPACT RATING	45°	90°
E80 > 80 kJ		
E60 > 60 kJ		
E50 > 50 kJ		
E40 > 40 kJ		
E35 > 35 kJ		
E30 > 30 kJ		
E25 > 25 kJ		
E20 > 20 kJ		
E15 > 15 kJ		
E10 > 10 kJ	7,0 kJ	5,0 kJ
E5 > 5,0 kJ		
E2 > 2,5 kJ		

TEST CONDITIONS TEMPERATURE: 20°C IMPACT HEIGHT: 335 mm IMPACT ANGLE: 90° TEST FLOOR: CONCRETE C25/30 - 160 mm MANUFACTURER ANCHOR PULL OUT: 7,9 kN	TEST VEHICLE WEIGHT: 2300 KG TYPE: COMMERCIAL FORK LIFT SIZE (L x W x h): 1890 x 1020 x 1970 mm CONTACT AREA: STEEL BUMPER WIDTH: 600 mm	BOPLAN TEST LAB Muizelstraat 12 8560 Moorsele Belgium
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SUCCESS CRITERIA VEHICLE STOPPED - ASI (ACCELERATION SEVERITY INDEX) < 0.5

REFERENCE LIST - TB MINI DOUBLE		
	Yellow	Multicolour
Std module 1000mm	MB4000-1000-0001YE	MB4000-1000-0001MC
Std module 1000mm ZC	MB4000-1000-0001YEZ	MB4000-1000-0001MCZ
Std module 1000mm SS	MB4000-1000-0001YES	MB4000-1000-0001MCS
Std module 2000mm	MB4000-2000-0001YE	MB4000-2000-0001MC
Std module 2000mm ZC	MB4000-2000-0001YEZ	MB4000-2000-0001MCZ
Std module 2000mm SS	MB4000-2000-0001YES	MB4000-2000-0001MCS
Non-Std module 500 - 999mm	MB4001-0999-0001YE	MB4001-0999-0001MC
Non-Std module 500 - 999mm ZC	MB4001-0999-0001YEZ	MB4001-0999-0001MCZ
Non-Std module 500 - 999mm SS	MB4001-0999-0001YES	MB4001-0999-0001MCS
Non-Std module 1000 - 1999mm	MB4001-1999-0001YE	MB4001-1999-0001MC
Non-Std module 1000 - 1999mm ZC	MB4001-1999-0001YEZ	MB4001-1999-0001MCZ
Non-Std module 1000 - 1999mm SS	MB4001-1999-0001YES	MB4001-1999-0001MCS

