

TB MINI

SAFETY BARRIERS

Revision: 20 December 2024 8:53 AM
Boplan reference: MB200...

PRODUCT SPECIFICATIONS

APPLICATION			
Environment	The TB Mini is used as protection against rolling containers, pallet trucks or shopping trolleys with limited speeds and where height is not important. Quick and easy to install.		
Impact performance at 90°	POST: 3000 Joule (Eq. to 2.5 ton - 3.4 mph)		
	RAIL: 5000 Joule (Eq. to 2.5 ton - 4.4 mph)		
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 9005		
BASEPLATES			
	Steel	Zinc Coated Steel	Stainless steel
Material	Steel 37	Steel 37	SS 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		1/2 in x 4 1/2 in	Not available
	Wedge anchor		M12 x 120 mm	M12 x 120 mm
ALTERNATIVES	Anchor rod (Chemical)		M12 x 120 mm + Chemical resin	M12 x 120 mm + Chemical resin
	Asphalt anchor		Bolt M10 x 40 mm + Screw Ø16 mm	Not available
	Spit anchor		Bolt M12 x 100 mm + Plug Ø20 mm	Not available



FEATURES AND FUNCTIONALITY - TB MINI

SIZE	
Height	8 in
Profile section tube	Ø5 in (1/3 in thick)
Profile section posts	3 1/2 x 3 1/2 (1/3 in thick)
Standard length	78 in (other sizes: 20 - 77 in)
Baseplates	4 x 6 (1/5 in thick)

REQUIREMENTS

Concrete quality	minimum 4000 PSI (C25/30)
Concrete floor plate thickness	minimum 6 in
Concrete slab dimension around posts (in)	19 2/3 (h) x 19 2/3 (w) x 15 3/4 (d)
Operational temperature	14°F up to 104°F
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.

IMPACT LABEL FOR SAFETY BARRIERS		
BOPLAN TB MINI		
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 / 68°F IMPACT HEIGHT: 335 mm / 13.2 in IMPACT ANGLE: 90° TEST FLOOR: CONCRETE C25/30 - 160 mm / 6.3 in MANUFACTURER ANCHOR PULL OUT: 7,9 kN	TEST VEHICLE WEIGHT: 2300 KG / 5070 lbs TYPE: COMMERCIAL FORK LIFT SIZE (L x W x h): 1890 x 1020 x 1970 mm SIZE (L x W x h): 74.4 x 40.2 x 77.5 in CONTACT AREA: STEEL BUMPER WIDTH: 600 mm / 23.6 in	BOPLAN TEST CENTRE  Muizelstraat 12 8560 Moorsele Belgium
SUCCESS CRITERIA VEHICLE STOPPED - ASI (ACCELERATION SEVERITY INDEX) < 0.5		

REFERENCE LIST - TB MINI

	Yellow	Multicolor
Std module 78 in	MB2000-1980-0001YE	MB2000-1980-0001MC
Std module 78 in ZC	MB2000-1980-0001YEZ	MB2000-1980-0001MCZ
Std module 78 in SS	MB2000-1980-0001YES	MB2000-1980-0001MCS
Non-Std module 20 - 78 in	MB2001-1999-0001YE	MB2001-1999-0001MC
Non-Std module 20 - 78 in ZC	MB2001-1999-0001YEZ	MB2001-1999-0001MCZ
Non-Std module 20 - 78 in SS	MB2001-1999-0001YES	MB2001-1999-0001MCS

