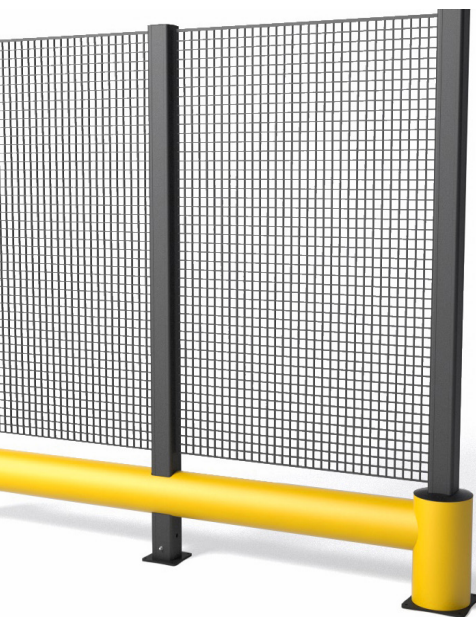


TB 400 PLUS FENCE

SAFETY BARRIERS

Revision: 3 January 2025 11:43 AM
Boplan reference: TF4000...







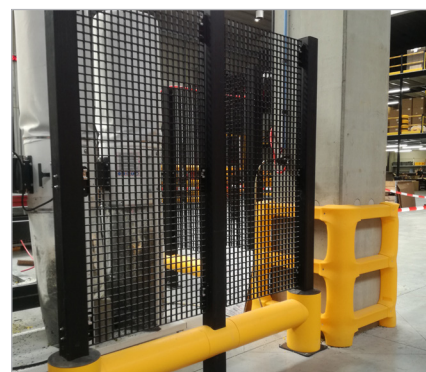
PRODUCT SPECIFICATIONS

APPLICATION	
Environment	The TB400 Plus Fence provides an effective crash protection with machine guard fencing.
Compliance	The narrow mesh size allows a close safety distance of 200mm towards the danger. (According machine directive 2006/42/EC)
Impact performance at 90°	POST: 16100 Joule (Eq. to 5 ton - 5.6 mph)
	RAIL: 20100 Joule (Eq. to 5 ton - 6.3 mph)
MATERIAL	
Posts	Extrilene® - UV resistant - Fire class E* - Non conductive - Impervious to most chemicals**
Mesh	Glass fiber reinforced composite
Caps	Sustainable elastomer
STANDARD COLOURS	
End post / Mid post	Yellow RAL 1003
Impact tube	Yellow RAL 1003
Mesh	Black RAL 9005
BASEPLATES	
	Steel
Material	Steel 37
Coating	Lacquered
Colour	High gloss 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	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






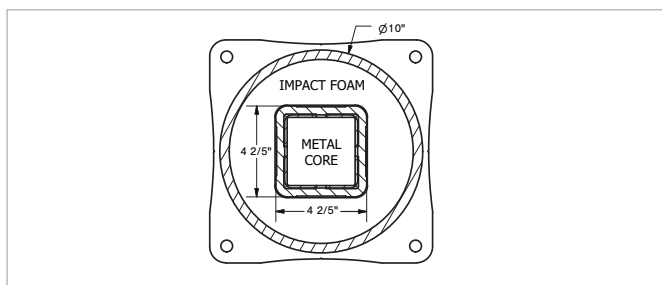
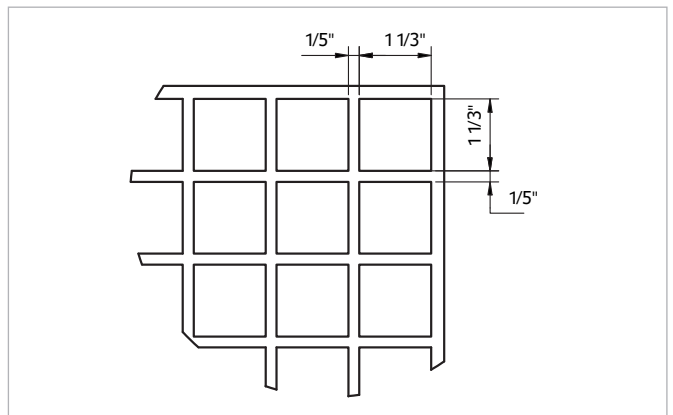
FEATURES AND FUNCTIONALITY - TB 400 PLUS FENCE

SIZE	
Height end posts	90 1/2 in
Height mid post	90 1/2 in
Profile section tubes	Ø8 in (2/5 in thick)
Mesh	48 x 70 4/5 (1/2 in thick) Mesh inner dimension 1 1/3 x 1 1/3 in
Profile section end posts	Outer tube: Ø10 in (2/5 in thick) Inner profile: 4 2/5 x 4 2/5 in (1/3 in thick)
Profile section mid posts	Profile: 4 2/5 x 4 2/5 in (1/3 in thick)
Standard rail length	CC54 in (Tube length - 44 in) Other sizes: CC34 - CC53 in
Baseplate	End Post: 10 4/5 x 10 4/5 x (1/3 in thick) Mid Post: 7 x 7 x (1/3 in thick)

REQUIREMENTS	
Concrete quality	minimum 4000 PSI (C25/30)
Concrete floor plate thickness	minimum 6 in
Concrete slab dimension around posts (in)	23 2/3 (h) x 23 2/3 (w) x 11 4/5 (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.


COMPLIANCE MESH	
Machine directive	The narrow mesh size allows a close safety distance of 200mm towards the danger. (According machine directive 2006/42/EC)
Static point load of mesh	Static point load of 450 N gives a maximum deflection of 3/5 in.

 IMPACT LABEL FOR SAFETY BARRIERS		
BOPLAN TB 400 PLUS FENCE		
IMPACT RATING	45°	90°
E80	< 80 kJ	
E60	< 60 kJ	
E50	< 50 kJ	
E40	< 40 kJ	
E35	< 35 kJ	
E30	< 30 kJ	28,4 kJ
E25	< 25 kJ	20,1 kJ
E20	< 20 kJ	
E15	< 15 kJ	
E10	< 10 kJ	
E5	< 5,0 kJ	
E2	< 2,5 kJ	
TEST CONDITIONS	TEST VEHICLE	ACCREDITED TEST LABORATORY
TEMPERATURE: 20°C / 68°F IMPACT HEIGHT: 300 mm / 11 3/4 Inch IMPACT ANGLE: 90° TEST FLOOR: CONCRETE SLAB C25/30 - 160 mm / 6 inch MANUFACTURER ANCHOR PULL OUT: 7,9 kN	WEIGHT: 2300 KG / 5070.63 lbs TYPE: COMMERCIAL FORK LIFT SIZE (L x W x h): 1890x1020x1970 mm / 74x40x78 inch CONTACT AREA: STEEL BUMPER WIDTH: 600 mm / 24 inch	620 Route des Fromentaux 01500 Saint-Maurice-de-Rémens 01360 Bèlignieux France 
SUCCESS CRITERIA VEHICLE STOPPED - ASI (ACCELERATION SEVERITY INDEX) < 0.5		IL-TF400-20230920



REFERENCE LIST - TB 400 PLUS FENCE

POSTS		
End post - YE	TF4000-0001-EPYE	
End Corner post - YE - 90° - Up	TF4000-0001-CPUYE	
End Corner post - YE - 90° - Down	TF4000-0001-CPDYE	
Mid post - YE	TF4000-0001-MPYE	

CURVES		
Conn.tube Ø10 in - 90° Curve 14 in - YE	TF4000-0350-C259YE	

RAIL SETS			
	Tube length (A)	CC length (B)	REFERENCE
Standard rail	26 in	36 in	TF4000-0650-0900YE
Standard rail	32 in	42 in	TF4000-0800-1050YE
Standard rail	38 in	48 in	TF4000-0950-1200YE
Standard rail	44 in	54 in	TF4000-1100-1350YE

