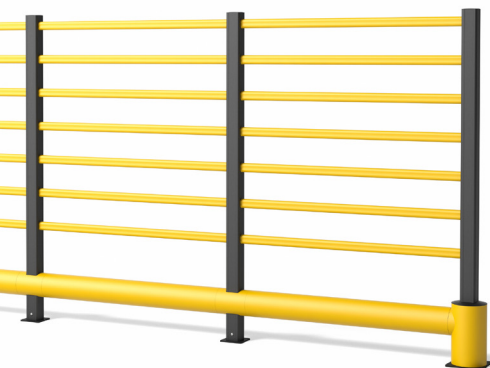


TB 400 GRILL BARRIER

SAFETY BARRIERS

Revision: 6 July 2026 9:37 AM
Boplan reference: GB4...



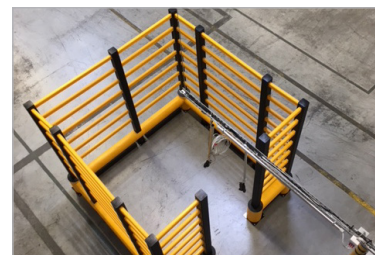
PRODUCT SPECIFICATIONS

APPLICATION	
Environment	Single tube traffic barrier protects people against the impact of forklifts and falling goods. Depending on the size of the (stacked) goods, one can opt for an arrangement with a centre distance between the rails of 11 or 22 in. Intended for indoor use.
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 and rails	Extrilene - UV resistant - Fire class E [*] - Non conductive - Impervious to most chemicals ^{**}
Caps	Sustainable elastomer
STANDARD COLORS	
End post	Black RAL 9005
Mid post	Black RAL 9005
Impact tube	Yellow RAL 1003
Handrails	Yellow RAL 1003
BASEPLATES	
	Steel
Material	Steel 37
Coating	Lacquered
Color	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	Not available
ALTERNATIVES	Anchor rod (Chemical)	 M12 x 120 mm + Chemical resin	Not available
	Spit anchor	 Bolt M12 x 100 mm + Plug Ø20 mm	Not available



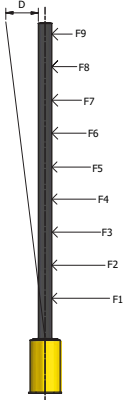
FEATURES AND FUNCTIONALITY - TB 400 GRILL BARRIER

SIZE	
Height end posts	maximum 121 in
Height mid post	maximum 121 in
Profile section tubes	Ø8 in (2/5 in thick)
Profile section handrails	2 x 2 3/4 in (1/5 in thick)
Profile section end posts	Outer tube: Ø10 in (2/5 in thick) Inner profile: 4 2/5 x 4 2/5 in (2/5 in thick)
Profile section mid posts	Profile: 4 2/5 x 4 2/5 in (2/5 in thick)
Standard rail length (cc)	53 in (center - center 63 in)
Baseplate	End Post: 10 4/5 x 10 4/5 in (2/5 in thick) Mid Post: 7 x 7 in (2/5 in thick)

REQUIREMENTS	
Concrete quality	minimum 4000 PSI (C25/30)
Concrete floor plate thickness	minimum 2/3 in
Concrete slab dimension around posts (in)	23 1/2 (h) x 600 23 1/2 (w) x 11 3/4 (d)
Operational temperature	14°F up to 104°F
Water and humidity	Steel (standard): dry indoor use only.

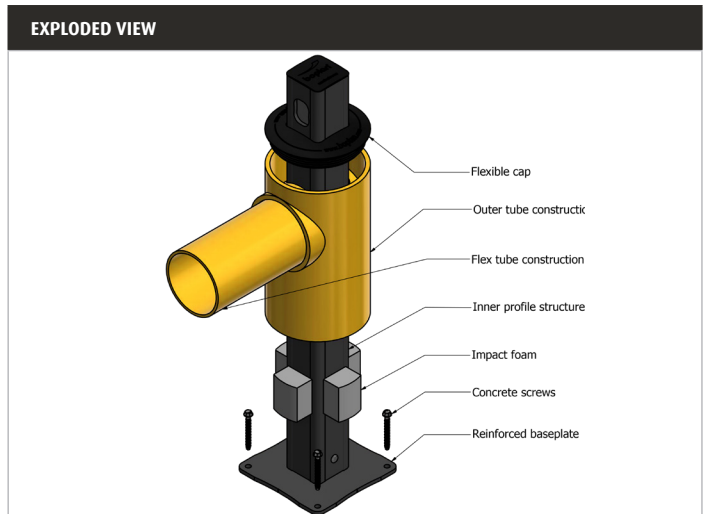
 IMPACT LABEL FOR SAFETY BARRIERS			
BOPLAN TB 400 GRILL BARRIER			
IMPACT RATING		45°	90°
E80	< 80 kJ		
E60	< 60 kJ		
E50	< 50 kJ		
E40	< 40 kJ		
E35	< 35 kJ		
E30	< 30 kJ		
E25	< 25 kJ	24,8 kJ	
E20	< 20 kJ		20,1 kJ
E15	< 15 kJ		
E10	< 10 kJ		
E5	< 5,0 kJ		
E2	< 2,5 kJ		
TEST CONDITIONS TEMPERATURE: 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		TEST VEHICLE 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	
ACCREDITED TEST LABORATORY 620 Route des Fromentaux 01500 Saint-Maurice-de-Rémens 01360 Bèlignieux France 		SUCCESS CRITERIA VEHICLE STOPPED - ASI (ACCELERATION SEVERITY INDEX) <0.5 IL-GH-20230920	



HOLDING POWER			
	Force*	Deflection**	
121 in - 9R	F9 = 2600 N	32 1/2 in	
110 in - 8R	F8 = 2900 N	30 3/4 in	
100 in - 7R	F7 = 3300 N	28 3/4 in	
90 in - 6R	F6 = 3800 N	26 1/5 in	
78 in - 5R	F5 = 4500 N	23 in	
67 in - 4R	F4 = 5600 N	19 4/5 in	
56 in - 3R	F3 = 7300 N	16 in	
45 in - 2R	F2 = 10800 N	11 4/5 in	
34 in - 1R	F1 = 19500 N	6 4/5 in	

* Force acting on the center of the hand rails (between posts)

** Deflection (D) measured on top side.



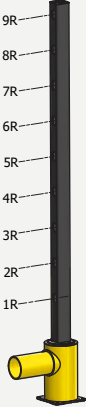
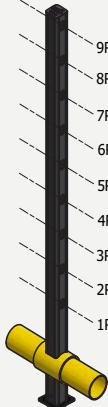
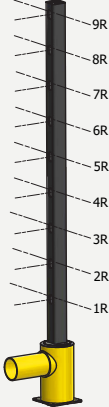
SPEC SHEET >>> **47**

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REFERENCE LIST - TB 400 GRILL BARRIER

POSTS - 11 in rail distance

	End post	Mid post	T-end post (incl. caps)
121 in - 9R	GB4275-3075-EPYE	GB4275-3075-MPYE	GB4275-3075-TPYE
100 in - 7R	GB4275-2525-EPYE	GB4275-2525-MPYE	GB4275-2525-TPYE
78 in - 5R	GB4275-1975-EPYE	GB4275-1975-MPYE	GB4275-1975-TPYE
56 in - 3R	GB2275-1425-EPYE	GB2275-1425-MPYE	GB2275-1425-TPYE
			

RAIL SETS

	CC36in - 36in - YE	CC48in - 38in - YE	CC60in - 50in - YE	CC72in - 62in - YE	Short rail CC36-48 in - YE	Short rail CC48-60 in - YE	Long rail CC60-72 in - YE	Ø10-14in - 90° - YE
9R	GBR900-0665-0915YE	GBR900-0970-1220YE	GBR900-1275-1525YE	GBR900-1579-1829YE	GBR309-0048-SRYE	GBR309-0060-LRYE	GBR309-0072-LRYE	GBR900-0350-C259YE
7R	GBR700-0665-0915YE	GBR700-0970-1220YE	GBR700-1275-1525YE	GBR700-1579-1829YE	GBR307-0048-SRYE	GBR307-0060-LRYE	GBR307-0072-LRYE	GBR700-0350-C259YE
5R	GBR500-0665-0915YE	GBR500-0970-1220YE	GBR500-1275-1525YE	GBR500-1579-1829YE	GBR305-0048-SRYE	GBR305-0060-LRYE	GBR305-0072-LRYE	GBR500-0350-C259YE
3R	GBR300-0665-0915YE	GBR300-0970-1220YE	GBR300-1275-1525YE	GBR300-1579-1829YE	GBR303-0048-SRYE	GBR303-0060-LRYE	GBR303-0072-LRYE	GBR300-0350-C259YE

