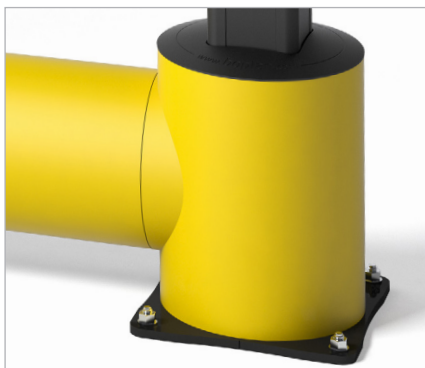


TB 260 GRILL BARRIER

SAFETY BARRIERS

Revision: 19 December 2024 8:57 AM
Boplan reference: GB2...



PRODUCT SPECIFICATIONS

APPLICATION	
Environment	Single tube traffic barrier protects people against the impact of forklifts and falling goods. Intended for indoor use.
Impact performance at 90°	POST: 12000 Joule (Eq. to 5 ton - 5 mph)
	RAIL: 21200 Joule (Eq. to 5 ton - 6.5 mph)
MATERIAL	
Posts and rails	Extrilene® - UV resistant - Fire class E® - Non conductive - Impervious to most chemicals*
Caps	SEBS rubber
STANDARD COLORS	
End post	Black
Mid post	Black
Impact tube	Yellow
Handrails	Yellow
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	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

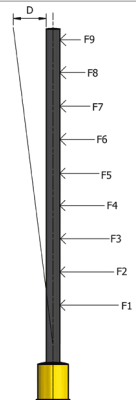
FEATURES AND FUNCTIONALITY - TB 260 GRILL BARRIER

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 (1/5in 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: 14 2/5 x 4 2/5 in (2/5 in thick)
Standard rail length (cc)	50 in (center - center 60 in)
Baseplate	End Post: 10 4/5 x 10 4/5 x 2/5 in (2/5 in thick) Mid Post: 7 x 7 in (2/5 in thick)

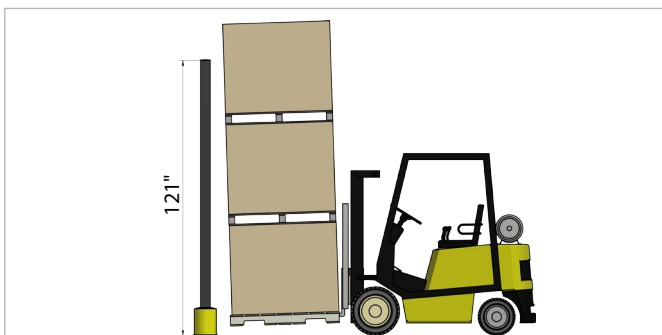
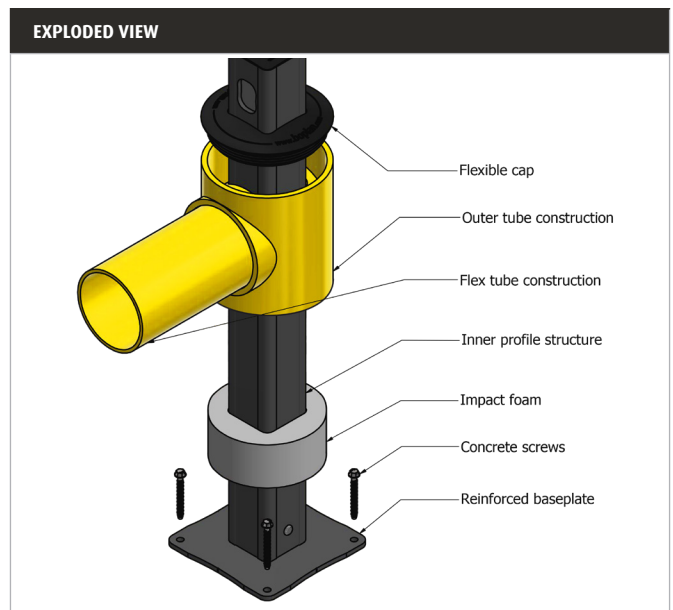
REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness	minimum 2/3
Concrete slab dimension around posts (in)	23 5/8 (h) x 23 5/8 (w) x 11 3/4 (d)
Operational temperature	14°F up to 104°F
Water and humidity	Steel (standard): dry indoor use only.

 IMPACT LABEL FOR SAFETY BARRIERS		
BOPLAN TB 260 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	
E20	< 20 kJ	
E15	< 15 kJ	
E10	< 10 kJ	
E5	< 5,0 kJ	
E2	< 2,5 kJ	
	30 kJ	21,2 kJ
TEST CONDITIONS TEMPERATURE: 20°C / 68°F IMPACT HEIGHT: 160 mm / 6 1/4 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 IL-GB2-20230920		
SUCCESS CRITERIA VEHICLE STOPPED - ASI (ACCELERATION SEVERITY INDEX) <0.5		

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

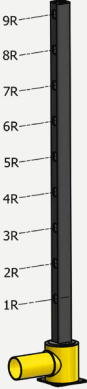
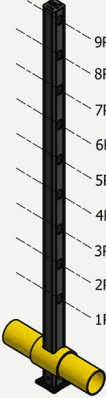
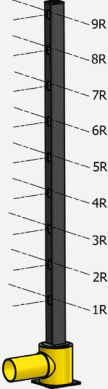


* Force acting on the center of the hand rails (between posts)
 ** Deflection (D) measured on top side.



REFERENCE LIST - TB 260 GRILL BARRIER

POSTS

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

RAIL SETS

	CC36in - 36in - YE	CC48in - 38in - YE	CC60in - 50in - YE	CC72in - 62in - YE	CC78in - 68in - YE	Ø250-350mm - 90° - YE	RUN	STR
9R	GBR900-0665-0915YE	GBR900-0970-1220YE	GBR900-1275-1525YE	GBR900-1579-1829YE	GBR900-1731-1981YE	GBR900-0350-C259YE	GBR900-RUN	GBR900-STR
7R	GBR700-0665-0915YE	GBR700-0970-1220YE	GBR700-1275-1525YE	GBR700-1579-1829YE	GBR700-1731-1981YE	GBR700-0350-C259YE	GBR700-RUN	GBR700-STR

TECHNICAL DRAWINGS - TB 260 GRILL BARRIER

Rails 11 in center - center

