



# TB 400 DOUBLE GRILL BARRIER

## SAFETY BARRIERS

Revision: 19 December 2024 4:03 PM Boplan reference: GD4...



### PRODUCT SPECIFICATIONS

Environment	Extremely robust, double traffic barrier for collision protection against heavy vehicles and (falling) goods. The TB double-tube guardrail offers pedestrians increased safety in storage areas with a lot of forklift traffic. Depending on the size of the (stacked) goods, one can op for an arrangement with a centre distance between the rails of 11 in.  Intended for indoor use.
MATERIAL	
Posts and rails	Extrilene® - UV resistant - Fire class E* - Non conductive - Impervious to most chemicals**
STANDARD COLORS	
End post	Black
Mid post	Black
Impact tube	Yellow
Handrails	Yellow
BASEPLATES	
	Steel
Material	Steel 37
Coating	Lacquered
Color	High gloss black

	FIXATIONS					
			ZC (Zinc coated)	SS (Stainless steel)		
STANDARD	Wedge anchor		3/4 in x 5 1/2 in	not available		
ALTERNATIVES	Wedge anchor		Ø18mm (M12) x 130mm	Ø18mm (M12) x 130mm		
	Concrete screw		Ø17mm x 130mm	Not available		
	Anchor rod (Chemical)		M16 x 120mm + Chemical resin	M16 x 120mm + Chemical resin		







#### **REFERENCE LIST - TB 400 DOUBLE GRILL BARRIER**

SIZE	
Height end posts	maximum 132 in
Height mid post	maximum 132 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)	50 in (center - center 60 in)
Baseplate	End Post: 10 4/5 x 12 1/2 in (1/2 in thick) Mid Post: 8 5/8 x 11 4/5 in (1/2 in thick)

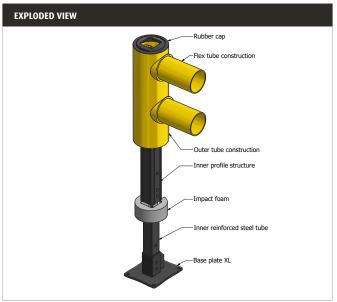
T LABEL	FOR SAFETY E	BARRIERS
LL BARRIER		
	45°	90°
<ul> <li>80 k)</li> <li>60 k)</li> <li>50 k)</li> <li>40 k)</li> <li>35 k)</li> <li>30 k)</li> <li>25 k)</li> <li>20 k)</li> <li>11 k)</li> <li>5,0 k)</li> <li>2,5 k)</li> </ul>	55,3 kJ	39,1 kJ
TYPE: COMMERCIAL I Size (L x W x h): 189	FORK LIFT 90x1020x1970 mm / 74x40x78 Inch	ACCREDITED TEST LABORATORY  620 Route des Fromentaux 01500 Saint-Maurice-de-Rémens 01360 Béligneux France
	- 80 kJ - 60 kJ - 60 kJ - 50 kJ - 40 kJ - 35 kJ - 20 kJ - 15 kJ - 20 kJ - 15 kJ - 10 kJ - 2,5 kJ TEST VEHICLE WEIGHT: 2300 KG /F TYPE: COMMERCIAL 5/72 (L X W x h): 185	45°



REQUIREMENTS			
Concrete quality	minimum PSI 4000 (C25/30)		
Concrete floor plate thickness	minimum 2/3 in		
Concrete slab dimension around posts (in)	31 1/2 (h) x 31 1/2 (w) x 23 5/8 (d)		
Operational temperature	14°F up to 104°F		
Water and humidity	Steel (standard): dry indoor use only.		

HOLDING POWE	₹	
	Force*	Deflection**
132 in - 9R	F9 = 2800 N	29 1/2 in
121 in - 8R	F8 = 3200 N	28 1/2 in
110 in - 7R	F7 = 3600 N	25 3/4 in
100 in - 6R	F6 = 4100 N	24 5/8 in
90 in - 5R	F5 = 5000 N	20 4/5 in
78 in - 4R	F4 = 6200 N	17 3/4 in
67 in - 3R	F3 = 8400 N	14 1/2 in
56 in - 2R	F2 = 13000 N	10 1/5 in
42 in - 1R	F1 = 21000 N	4 in

<sup>\*</sup> Force acting on the center of the hand rails (between posts)
\*\* Deflection (D) measuread on top side.







#### **REFERENCE LIST - TB 400 DOUBLE GRILL BARRIER**

POSTS - 11 in rail dista	End post Left	End post Right	Mid post	T-end post - Left (incl. caps)	T-end post - Right (incl. caps)
132 in - 9R	GD4275-3350-EPLYE	GD4275-3350-EPRYE	GD4275-3350-MPYE	GD4275-3350-TPLYE	GD4275-3350-TPRYE
110 in - 7R	GD4275-2800-EPLYE	GD4275-2800-EPRYE	GD4275-2800-MPYE	GD4275-2800-TPLYE	GD4275-2800-TPRYE
	8R -7R -6R -5R -4R -3R -2R -1R	9R	8R 7R 6R 5R 4R 3R 2R	5R 5R 4R 3R 2R	9R 8R 7R 6R 5R 4R 3R 2R

RAIL SETS									
	CC36in 26in - YE	CC48in 38in - YE	CC60in 50in - YE	CC72in 62in - YE	CC78in 68in - YE	Conn.tube Ø10 14in - 90° - YE	RUN	STR	
9R	GDR900-0665-0915YE	GDR900-0970-1220YE	GDR900-1275-1525YE	GDR900-1579-1829YE	GDR900-1731-1981YE	GDR900-0350-C259YE	GDR900-RUN	GDR900-STR	
7R	GDR700-0665-0915YE	GDR700-0970-1220YE	GDR700-1275-1525YE	GDR700-1579-1829YE	GDR700-1731-1981YE	GDR700-0350-C259YE	GDR700-RUN	GDR700-STR	





#### **TECHNICAL DRAWINGS - TB 400 DOUBLE GRILL BARRIER**

