



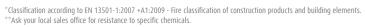
TB 400 PLUS

SAFETY BARRIERS

Revision: 13 February 2025 1:11 PM Boplan reference: TP4000-...



APPLICATION						
Environment		The TB 400 Plus is used for creating walkways and protecting pedestrians from pallet trucks, lift trucks, forklifts or other vehicles.				
Impact performance	POST: 16100 Joule (Eq. to 5 to	POST: 16100 Joule (Eq. to 5 ton - 5.6 mph)				
at 90°	RAIL: 20100 Joule (Eq. to 5 to	RAIL: 20100 Joule (Eq. to 5 ton - 6.3 mph)				
MATERIAL						
Posts and rails	Extrilene® - UV resistant - Fire	e class E* - Non conductive - Imp	ervious to most chemicals**			
Caps	Sustainable elastomer	Sustainable elastomer				
STANDARD COLOURS						
End post	Black RAL 9005					
Mid post	Black RAL 9005					
Impact tube	Yellow RAL 1003					
Handrails	Yellow RAL 1003					
BASEPLATES						
	Steel	Zinc Coated Steel	Stainless steel			
Material	Steel 37	Steel 37	Stainless steel 304			
Coating	Lacquered	Electroplated + Laquered	No lacquer / No coating			
Colour	High gloss black	Mat black	Natural colour			



	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
ATIVES	Anchor rod (Chemical)	M12 x 120 mm + Chemical resin	M12 x 120 mm + Chemical resin
ALTERNATIVES	Asphalt anchor	Bolt M10 x 40 mm + Screw Ø16 mm	Not available
	Spit anchor	Bolt M12 x 100 mm + Plug Ø20 mm	Not available









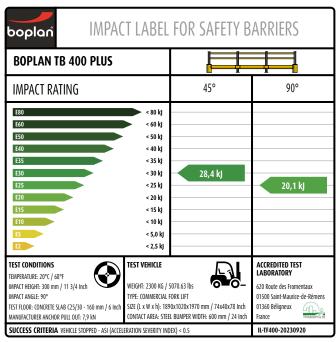


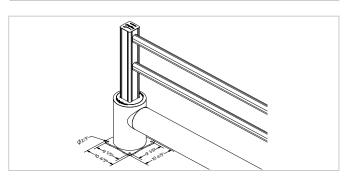


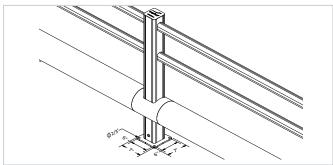
FEATURES AND FUNCTIONALITY - TB 400 PLUS

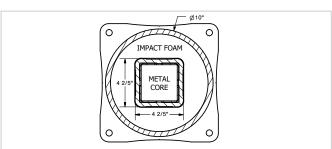
SIZE	
Height end posts	45 1/3 in
Height mid post	45 1/3 in
Profile section tubes	Ø8 in (2/5 in thick)
Profile section handrails	2 x 2 3/4 in (1/5 in thick)
Profile section end posts	Outer tube: Ø10 in (2/5 in thick) Inner profile: 4 2/5 x 4 2/5 in (1/3 in thick)
Profile section mid posts	Profile: 4 2/5 x 4 2/5 in (1/3 in thick)
Standard rail length	CC60 in (Tube length - 50 in)
Baseplate	End Post: 10 4/5 x 10 4/5 in (1/3 in thick) Mid Post: 7 x 7 in (1/3 in thick)

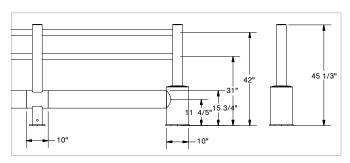
REQUIREMENTS	
Concrete quality	minimum 4000 PSI (C25/30)
Concrete floor plate thickness	minimum 6 in
Concrete slab dimension around posts (in)	23 2/3 (h) x 23 2/3 (w) x 19 3/4 (d)
Operational temperature	14°F up to 104°F
Water and humidity	Steel (standard): dry indoor use only. Zinc coated: outdoor use in most environments. Stainless Steel: outdoor use or frequent exposure to water and humidity.















REFERENCE LIST - TB 400 PLUS

POSTS		
End post End post - ZC End post - SS	TP4000-0001-EPYE TP4000-0001-EPYEZ TP4000-0001-EPYES	
Mid post Mid post - ZC Mid post - SS	TP4000-0001-MPYE TP4000-0001-MPYEZ TP4000-0001-MPYES	
T end post* T end post - ZC* T end post - SS*	TP4000-0001-TPYE TP4000-0001-TPYEZ TP4000-0001-TPYES	
Corner post - 90° - Up Corner post - 90° - Up - ZC Corner post - 90° - Up - SS	TP4000-0001-CPUYE TP4000-0001-CPUYEZ TP4000-0001-CPUYES	H
Corner post - 90° - Down Corner post - 90° - Down - ZC Corner post - 90° - Down - SS	TP4000-0001-CPDYE TP4000-0001-CPDYEZ TP4000-0001-CPDYES	

^{* 2} caps included to close handrail hole

CURVES				
Conn.tube Ø8 in Curve 14 in - YE		TP4000-0014-C080YE		
Conn.tube Ø8 in - 45° Curve 14 in - YE		TP4000-00	114-C084YE	
Conn.tube Ø8 in - 90° Curve 14 in - YE		TP4000-00	114-C089YE	
Conn.tube Ø10 in Curve 14 in - YE		TP4000-0014-C100YE		
Conn.tube Ø10 in - 90° Curve 14 in - YE		TP4000-0014-C109YE		
RAIL SETS				
	Tube	e length (A)	CC length (B)	Reference
Standard rail	26 ii	1	36 in	TB4000-0817-1067YI
Standard rail	38 iı	1	48 in	TB4000-0970-1220YI
Standard rail	50 ii	1	60 in	TB4000-1275-1525Y
Standard rail	62 ii	1	72 in*	TB4000-1578-1828YI
Standard rail	68 iı	1	78 in*	TB4000-1730-1980YI
Short rail	26 -	38 in	36 - 48 in	TB4009-0048-SRYE
Long rail 50 -		62 in	60 - 72 in*	TB4009-0072-LRYE

 $^{\circ}$ The impact performance has not been tested for tube lengths > 63 in. Only use these lengths for non - critical applications.





REFERENCE LIST - TB 400 PLUS

FIXED U	NITS						
	TYPE	LENGTH	BASE	REFERENCE YE			
	Endpost	30 in	Steel ZC SS	TP4000-0750-FUYE TP4000-0750-FUYEZ TP4000-0750-FUYES			
no		30 - 68 in	Steel ZC SS	TP4001-1750-FUYE TP4001-1750-FUYEZ TP4001-1750-FUYES			
curves	Post <i>Up</i>	30 in	Steel ZC SS	TP4002-0750-FUYE TP4002-0750-FUYEZ TP4002-0750-FUYES	CONT CONT	DEFINE AS UP-DOWN-CONTINU	DEFINE AS
	Down Continu	30 - 68 in	Steel ZC SS	TP4002-1750-FUYE TP4002-1750-FUYEZ TP4002-1750-FUYES			UP-DOWN-CONTINU
	Endpost	30 in	Steel ZC SS	TP4000-0750-FU1CYE TP4000-0750-FU1CYEZ TP4000-0750-FU1CYES		DEFINE AS LEFT OR RIGHT 1/ UP-DOWN-CONTINU 2/08 - 010	
1 curve		30 - 68 in	Steel ZC SS	TP4001-1750-FU1CYE TP4001-1750-FU1CYEZ TP4001-1750-FU1CYES			-
	Post Up Down Continu	30 in	Steel ZC SS	TP4002-0750-FU1CYE TP4002-0750-FU1CYEZ TP4002-0750-FU1CYES	CONT UP	DEFINE AS LEFT OR RIGHT 1/ UP-DOWN-CONTINU 2/08 - 010	DEFINE AS UP-DOWN-CONTINU
		30 - 68 in	Steel ZC SS	TP4002-1750-FU1CYE TP4002-1750-FU1CYEZ TP4002-1750-FU1CYES			•
2 curves		30 in	Steel ZC SS	TP4000-0750-FU2CYE TP4000-0750-FU2CYEZ TP4000-0750-FU2CYES			DEFINE AS LEFT OR RIGHT 1/ UP-DOWN-CONTINU
		30 - 68 in	Steel ZC SS	TP4001-1750-FU2CYE TP4001-1750-FU2CYEZ TP4001-1750-FU2CYES			▶





REFERENCE LIST - TB 400 PLUS

FIXED U	NITS					
	ТҮРЕ	LENGTH	BASE	REFERENCE RE		
no	Endpost	30 in	Steel	TP4000-0750-FURE		
curves	Enupust	30-68 in Steel TP4001-1750-FURE	30"			
no curves, with sign board	Endpost	30-68 in	Steel	TP4001-1750-FUSB	Incl. sign board	15 3/4

