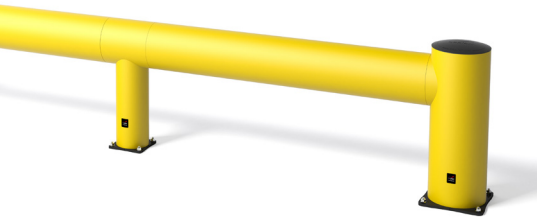




TB550 BOPLAN SAFETY BARRIER SPECIFICATION SHEET

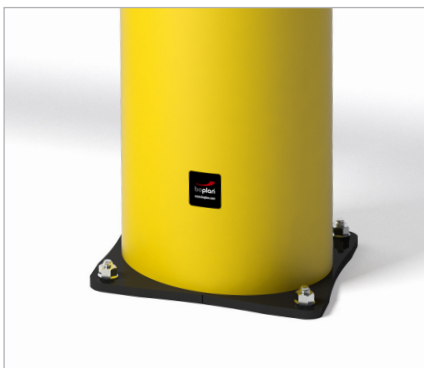
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PRODUCT SPECIFICATIONS

APPLICATION			
Environment	Protection of walls, machines and infrastructure from forklifts or other vehicles up to a height of 550mm. With reinforced mid post.		
Advisory speed	8.0 km/h	For gross weight vehicle of 2500 kg	
	6.0 km/h	For gross weight vehicle of 5000 kg	
MATERIAL			
Posts and rails	Polyolefin - UV resistant - Fire class HB* - Non conductive - Impervious to most chemical products**		
STANDARD COLORS			
End post			Yellow
Mid post			Yellow
Tubes (rails)			Yellow
BASEPLATES			
	Steel	Zinc Coated Steel	Stainless steel
Material	Steel 37	Steel 37	INOX (RVS 304)
Coating	Lacquered	Lacquered + electro plating	No Itacquer / No coating
Color	High gloss black	Matt black	Natural color
FIXATIONS			
	ZINC COATED		INOX
EXPANSION ANCHOR 	Length = 120 mm Size = M12 Drill hole diameter = 12 mm Max load (pull out) = 7.9 kN		Length = 120 mm Size = M12 Drill hole diameter = 12 mm Max load (pull out) = 7.9 kN
THREADED ROD (WITH CHEMICAL ANCHOR) 	Length = 120 mm Size = M12 Drill hole diameter = 14 mm Max load (pull out) = 16 kN		Length = 120 mm Size = M12 Drill hole diameter = 14 mm Max load (pull out) = 16 kN

*Fire class HB = Slow burning; classification according to UL94: US Standard for Safety of Flammability of Plastics
**Ask your local sales office for resistance to specific chemicals.

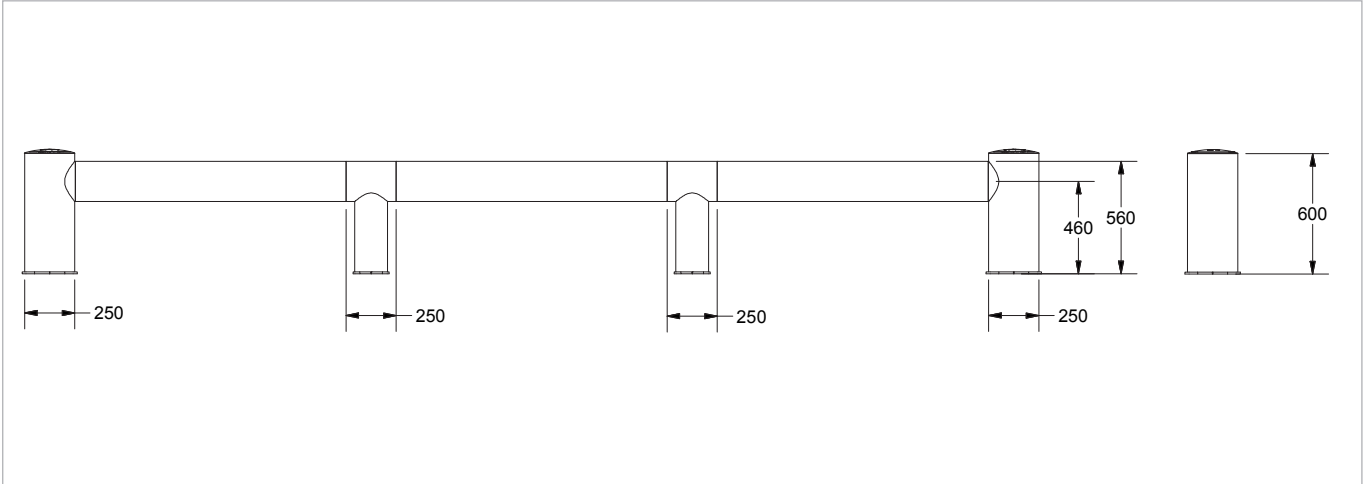
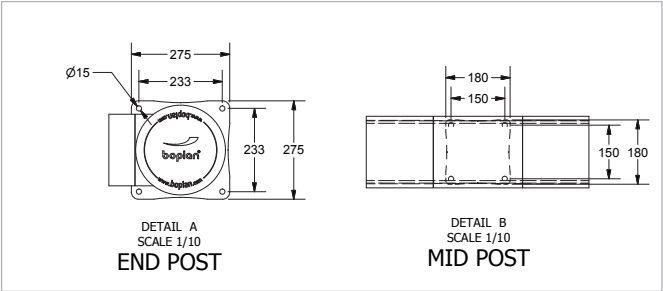


FEATURES AND FUNCTIONALITY TB550

SIZE	
Height end posts	600 mm
Height mid post	560 mm
Profile section tubes	Ø200 mm (11 mm thick)
Profile section end posts	Outer tube: Ø250 mm (11 mm thick) Inner profile: 112mm x 112 mm (10 mm thick)
Profile section mid posts	Outer tube: Ø164 mm (11 mm thick) Inner profile: 112 mm x 112 mm (10 mm thick)
Standard rail length	1350 mm (other sizes: 750 mm - 1750 mm)
Baseplate	End Post: 275 mm x 275 mm (10mm thick) Mid Post: 180 mm x 180 mm (10mm thick)

REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness	minimum 150 mm
Concrete slab dimension around posts (mm)	600 (h) x 600 (w) x 500 (d)
Operational temperature	-10°C up to +40°C
Water and humidity	Steel (standard): dry indoor use only. Zinc coated: outdoor use in most environments. RVS: outdoor use or frequent exposure to water and humidity.

IMPACT PERFORMANCE		
Test conditions	Ambient temperature	20°C
	Tube length	1600mm (center - center)
90° impact	Fork lift weight	2300kg
	Floor	Industrial concrete
45° impact	Success criteria	Fork lift stopped by barrier
	Maximum impact on post	13500 Joule
	Maximum impact on tube	18300 Joule
	Maximum impact on tube	25900 Joule


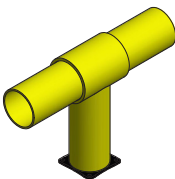


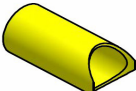
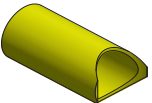
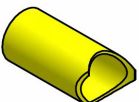
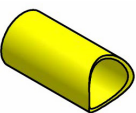
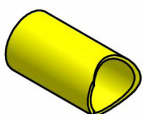
S = Stainless steel (=inox = RVS)
 Z = Zinc coated (=galvanized)
 C = chamfered
 YE = Yellow

CC = Center - Center distance

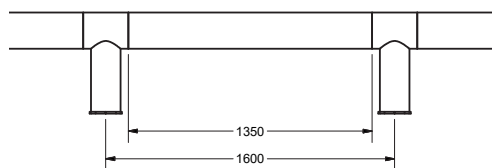


REFERENCE LIST - TB550

POSTS		
End post End post - Stainless steel End post - Zinc coated	TB5500-0001-EPYE TB5500-0001-EPYES TB5500-0001-EPYEZ	
Mid post Mid post - Stainless steel Mid post - Zinc coated	TB5500-0001-MPYE TB5500-0001-MPYES TB5500-0001-MPYEZ	

CURVES		
Conn.tube Ø200 Curve 350mm - YE	TB5500-0350-C200YE	
Conn.tube Ø200 - 45° Curve 350mm - YE	TB5500-0350-C204YE	
Conn.tube Ø200 - 90° Curve 350mm - YE	TB5500-0350-C209YE	
Conn.tube Ø250 Curve 350mm - YE	TB5500-0350-C250YE	
Conn.tube Ø250 - 90° Curve 350mm - YE	TB5500-0350-C259YE	

RAIL SETS			
	Tube length	CC length	Reference
Standard rail	750 mm	1000 mm	TB5500-0750-1000YE
Standard rail	950 mm	1200 mm	TB5500-0950-1200YE
Standard rail	1150 mm	1400 mm	TB5500-1150-1400YE
Standard rail	1350 mm	1600 mm	TB5500-1350-1600YE
Standard rail	1550 mm	1800 mm*	TB5500-1550-1800YE
Standard rail	1750 mm	2000 mm*	TB5500-1750-2000YE
Short rail	600-1349 mm	850-1599 mm	TB5509-1599-SRYE
Long rail	1351-1749 mm	1601-2000 mm*	TB5509-2000-LRYE



* The impact performance has not been tested for tube lengths > 1600 mm.
 Only use these lengths for non - critical applications.

S = Stainless steel (=inox = RVS)
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REFERENCE LIST - TB550

FIXED UNITS				
TYPE	LENGTH	YELLOW		
no curves	750 mm	TB5500-0750-FUYE TB5500-0750-FUYES TB5500-0750-FUYEZ		
	751-1750 mm	TB5501-1750-FUYE TB5501-1750-FUYES TB5501-1750-FUYEZ		
1 curve	750 mm	TB5500-0750-FU1CYE TB5500-0750-FU1CYES TB5500-0750-FU1CYEZ		
	751-1750 mm	TB5501-1750-FU1CYE TB5501-1750-FU1CYES TB5501-1750-FU1CYEZ		
2 curves	750 mm	TB5500-0750-FU2CYE TB5500-0750-FU2CYES TB5500-0750-FU2CYEZ		
	751-1750 mm	TB5501-1750-FU2CYE TB5501-1750-FU2CYES TB5501-1750-FU2CYEZ		