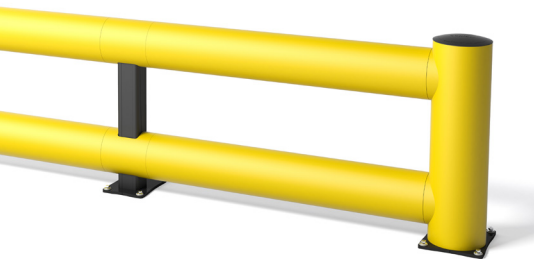


TB260 DOUBLE BOPLAN SAFETY BARRIER SPECIFICATION SHEET

Revision: 11 October 2021 3:55 PM
Boplan reference: DT260 ...



PRODUCT SPECIFICATIONS

APPLICATION

Environment	A double traffic barrier that closely resembles a guardrail which goes the extra mile in shielding pedestrians from vehicle collisions. The lower centre of gravity provides extra strength.
Impact performance at 90° (in JOULE)	POST: 39800 Joule (Eq. to 10 ton - 10,2 km/h)
	RAIL: 46500 Joule (Eq. to 10 ton - 11,0 km/h)

MATERIAL

Posts and rails	Polyolefin - UV resistant - Fire class E ⁺ - Non conductive - Impervious to most chemicals ^{**}
-----------------	---------------------------------------------------------------------------------------------------------------------

STANDARD COLORS

End post	Yellow
Mid post	Yellow
Tubes (rails)	Yellow

BASEPLATES

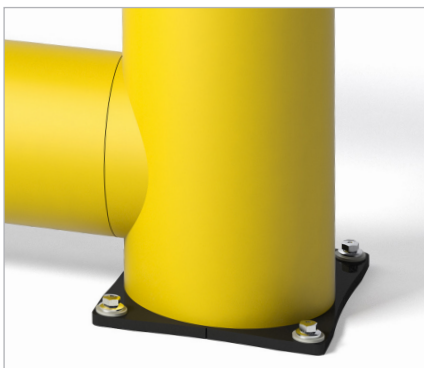
	Steel	Zinc Coated Steel	Stainless steel
Material	Steel 37	Steel 37	INOX (SS 304)
Coating	Lacquered	Lacquered + electro plating	No Itacquer / No coating
Color	High gloss black	Matt black	Natural color

^{*}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	Ø20mm (M12) x 120mm	Ø20mm (M12) x 120mm
	Anchor rod (Chemical)	M16 x 120mm + Chemical resin	M16 x 120mm + Chemical resin
ALTERNATIVES	Concrete screw	Ø17mm x 135mm	Not available
	Asphalt anchor	Bolt M16 x 100mm + Screw Ø22mm	Not available



FEATURES AND FUNCTIONALITY TB260 DOUBLE

SIZE	
Height end posts	790 mm
Height mid post	750 mm
Profile section tubes	Ø200 mm (11 mm thick)
Profile section end posts	Outer tube: Ø250 mm (11 mm thick) Inner profile: 112 mm x 112 mm (10 mm thick)
Profile section mid posts	Profile: 112 mm x 112 mm (10 mm thick)
Standard rail length	1350 mm (other sizes: 750 mm - 1750 mm)
Baseplate	End Post: 320 mm x 275 mm (12mm thick) Mid Post: 320 mm x 275 mm (12mm thick)

REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness	minimum 150 mm
Concrete slab dimension around posts (mm)	800 (h) x 800 (w) x 600 (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. Stainless Steel: outdoor use or frequent exposure to water and humidity.

boplan READY FOR IMPACT

IMPACT LABEL FOR SAFETY BARRIERS

BOPLAN TB260 DOUBLE

IMPACT RATING	45°	90°
		PAS 13:2017 compliant
E80 < 80 kJ	65,7 kJ	
E60 < 60 kJ		
E50 < 50 kJ		46,5 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		

TEST CONDITIONS

TEMPERATURE: 20°C
IMPACT HEIGHT: 650 mm
IMPACT ANGLE: 90°
TEST FLOOR: CONCRETE C25/30 - 160 mm
MANUFACTURER ANCHOR PULL OUT: 17 kN

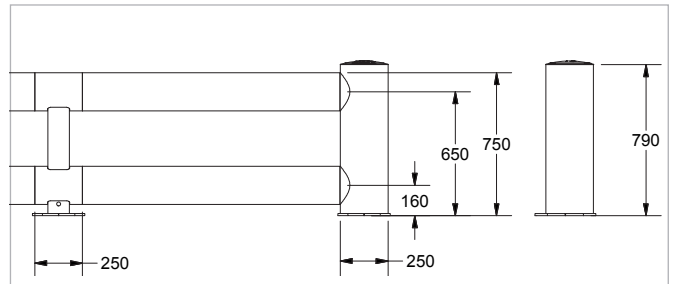
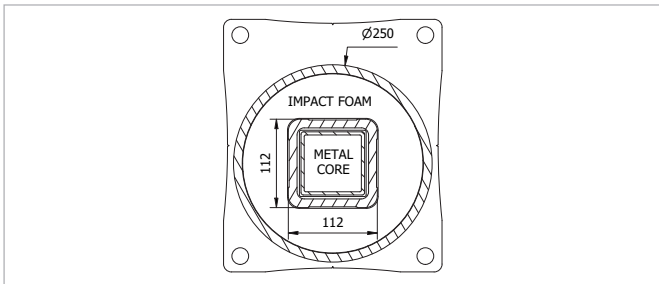
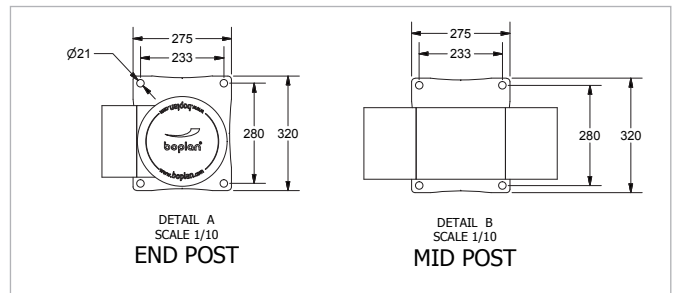
TEST VEHICLE

WEIGHT: 2300 KG
TYPE: COMMERCIAL FORK LIFT
SIZE (L x W x h): 1890 x 1020 x 1970 mm
CONTACT AREA: STEEL BUMPER WIDTH: 600 mm

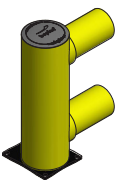
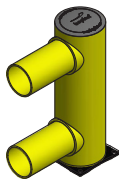
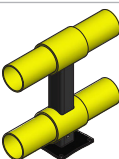
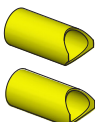
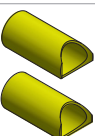
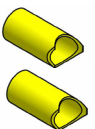
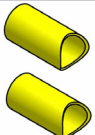
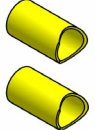
ACCREDITED TEST LABORATORY

620 Route des Fromentaux
01500 Saint-Maurice-de-Rémens
01360 Beligneux
France

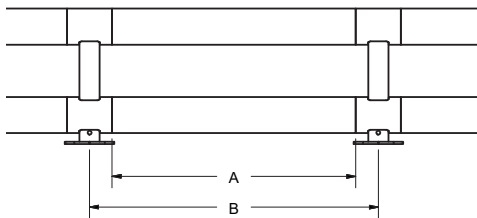
SUCCESS CRITERIA VEHICLE STOPPED - ASI (ACCELERATION SEVERITY INDEX) < 0.5



REFERENCE LIST - TB260 DOUBLE

POSTS		
End post Left End post Left - SS End post Left - Zinc coated	DT2600-0001-EPLYE DT2600-0001-EPLYES DT2600-0001-EPLYEZ	
End post Right End post Right - SS End post Right - Zinc coated	DT2600-0001-EPRYE DT2600-0001-EPRYES DT2600-0001-EPRYEZ	
Mid post Mid post - Stainless steel Mid post - Zinc coated	DT2600-0001-MPYE DT2600-0001-MPYES DT2600-0001-MPYEZ	
CURVES		
Conn.tube Ø200 Curve 350mm - YE	DT2600-0350-C200YE	
Conn.tube Ø200 - 45° Curve 350mm - YE	DT2600-0350-C204YE	
Conn.tube Ø200 - 90° Curve 350mm - YE	DT2600-0350-C209YE	
Conn.tube Ø250 Curve 350mm - YE	DT2600-0350-C250YE	
Conn.tube Ø250 - 90° Curve 350mm - YE	DT2600-0350-C259YE	

RAIL SETS			
	Tube length (A)	CC length (B)	Reference
Standard rail	750 mm	1000 mm	DT2600-0750-1000YE
Standard rail	950 mm	1200 mm	DT2600-0950-1200YE
Standard rail	1150 mm	1400 mm	DT2600-1150-1400YE
Standard rail	1350 mm	1600 mm	DT2600-1350-1600YE
Standard rail	1550 mm	1800 mm*	DT2600-1550-1800YE
Standard rail	1750 mm	2000 mm*	DT2600-1750-2000YE
Short rail	600-1349 mm	850-1599 mm	DT2609-1599-SRYE
Long rail	1351-1749 mm	1601-2000 mm*	DT2609-2000-LRYE

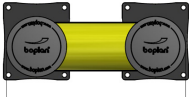
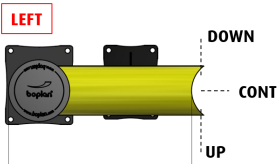
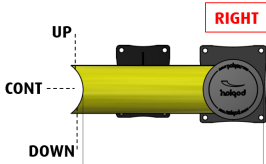
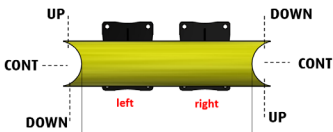


The diagram shows a cross-section of two rail sets. Dimension A is the distance between the centers of the two rails. Dimension B is the distance between the centers of the two rails plus the width of the rail heads.

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

REFERENCE LIST - TB260 DOUBLE

FIXED UNITS

TYPE		LENGTH	BASE	YELLOW	
no curves	na	750 mm	Steel ZC SS	DT2600-0750-FUYE DT2600-0750-FUYES DT2600-0750-FUYEZ	
		751-1750 mm	Steel ZC SS	DT2601-1750-FUYE DT2601-1750-FUYES DT2601-1750-FUYEZ	
1 curve	Endpost LEFT	750 mm	Steel ZC SS	DT2600-0750-FU1CLYE DT2600-0750-FU1CLYEZ DT2600-0750-FU1CLYES	
		751-1750 mm	Steel ZC SS	DT2601-1750-FU1CLYE DT2601-1750-FU1CLYEZ DT2601-1750-FU1CLYES	
	Endpost RIGHT	750 mm	Steel ZC SS	DT2600-0750-FU1CRYE DT2600-0750-FU1CRYEZ DT2600-0750-FU1CRYES	
		751-1750 mm	Steel ZC SS	DT2601-1750-FU1CRYE DT2601-1750-FU1CRYEZ DT2601-1750-FU1CRYES	
2 curves	na	750 mm	Steel ZC SS	DT2600-0750-FU2CYE DT2600-0750-FU2CYES DT2600-0750-FU2CYEZ	
		751-1750 mm	Steel ZC SS	DT2601-1750-FU2CYE DT2601-1750-FU2CYES DT2601-1750-FU2CYEZ	