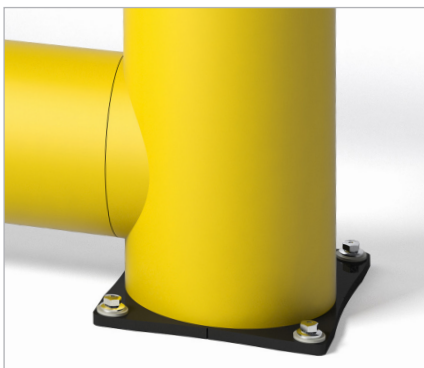
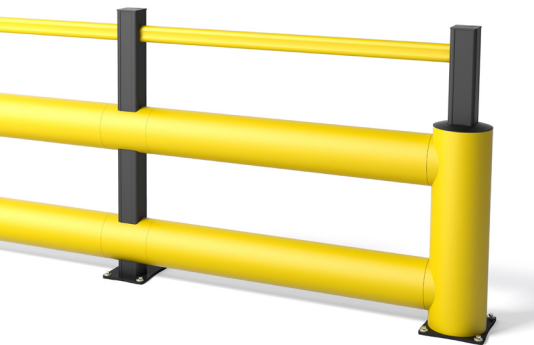


# TB260 DOUBLE PLUS BOPLAN SAFETY BARRIER SPECIFICATION SHEET

Revision: 10 August 2021 4:10 PM  
Boplan reference: DP260 ...



## PRODUCT SPECIFICATIONS

### APPLICATION

Environment	Just like the TB Double Plus, the TB260 Double Plus provides extra protection against impact from heavier vehicles. The lower tube prevents goods or pallets sliding under the barriers and hitting pedestrians or causing damage to machines or equipment.
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 <sup>+</sup> - Non conductive - Impervious to most chemicals <sup>**</sup>
Caps	SEBS rubber

### 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

<sup>+</sup>Classification according to EN 13501-1:2007 +A1:2009 - Fire classification of construction products and building elements.  
<sup>\*\*</sup>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 PLUS**

SIZE	
Height end posts	1150 mm
Height mid post	1150 mm
Profile section tubes	Ø200 mm (11 mm thick)
Profile section handrails	50 mm x 70 mm (6 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	<b>Steel (standard):</b> dry indoor use only. <b>Zinc coated:</b> outdoor use in most environments. <b>Stainless Steel:</b> outdoor use or frequent exposure to water and humidity.

**IMPACT LABEL FOR SAFETY BARRIERS**

**BOPLAN TB260 DOUBLE PLUS**

IMPACT RATING	PAS 13:2017 compliant	
	45°	90°
E80 < 80 kJ	<b>65,7 kJ</b>	<b>46,5 kJ</b>
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		

**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

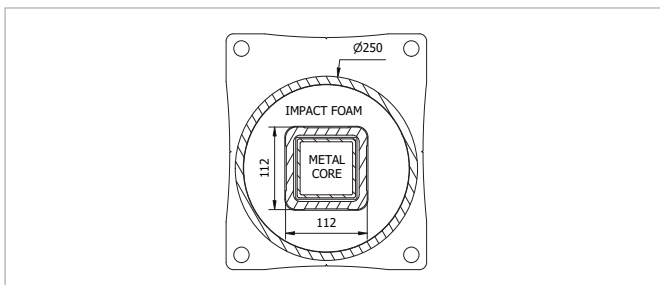
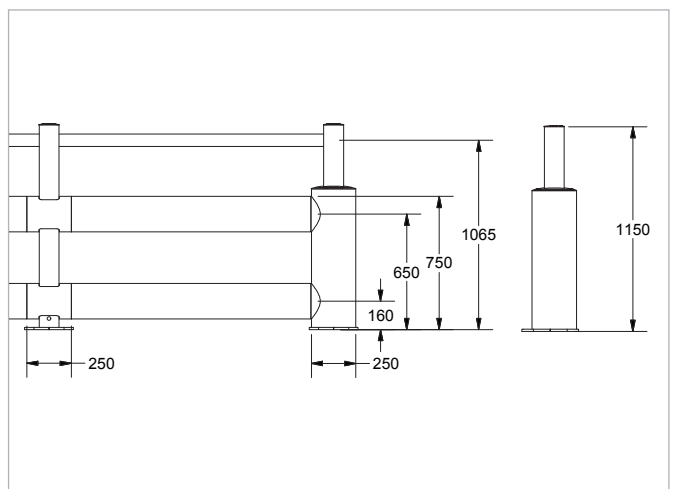
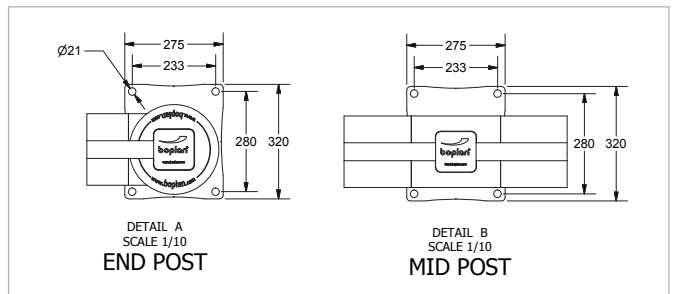
**TEST VEHICLE**

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

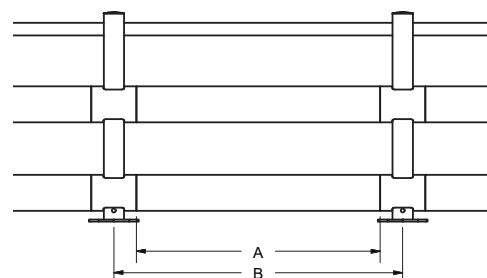


## REFERENCE LIST - TB260 DOUBLE PLUS

POSTS		
End post Left End post Left - Stainless steel End post Left - Zinc coated	DP2600-0001-EPLYE DP2600-0001-EPLYES DP2600-0001-EPLYEZ	
Corner post Left - 90° - Up Corner post Left - 90° - Up - SS Corner post Left - 90° - Up - ZC	DP2600-0001-CPULYE DP2600-0001-CPULYES DP2600-0001-CPULYEZ	
Corner post Left - 90° - Down Corner post Left - 90° - Down - SS Corner post Left - 90° - Down - ZC	DP2600-0001-CPDLYE DP2600-0001-CPDLYES DP2600-0001-CPDLYEZ	
End post Right End post Right - Stainless steel End post Right - Zinc coated	DP2600-0001-EPRYE DP2600-0001-EPRYES DP2600-0001-EPRYEZ	
Corner post Right - 90° - Up Corner post Right - 90° - Up - SS Corner post Right - 90° - Up - ZC	DP2600-0001-CPURYE DP2600-0001-CPURYES DP2600-0001-CPURYEZ	
Corner post Right - 90° - Down Corner post Right - 90° - Down - SS Corner post Right - 90° - Down - ZC	DP2600-0001-CPDRYE DP2600-0001-CPDRYES DP2600-0001-CPDRYEZ	
Mid post Mid post - Stainless steel Mid post - Zinc coated	DP2600-0001-MPYE DP2600-0001-MPYES DP2600-0001-MPYEZ	
T end post Left* T end post Left - Stainless steel* T end post Left - Zinc coated*	DP2600-0001-TPLYE DP2600-0001-TPLYES DP2600-0001-TPLYEZ	
T end post Right* T end post Right - Stainless steel* T end post Right - Zinc coated*	DP2600-0001-TPRYE DP2600-0001-TPRYES DP2600-0001-TPRYEZ	

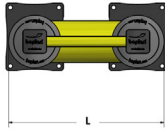
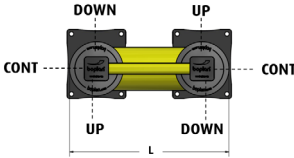
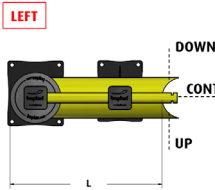
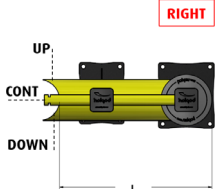
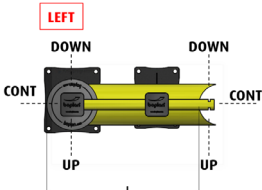
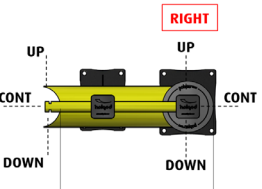
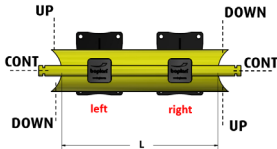
CURVES		
Conn.tube Ø200 Curve 350mm - YE	DP2600-0350-C200YE	
Conn.tube Ø200 - 45° Curve 350mm - YE	DP2600-0350-C204YE	
Conn.tube Ø200 - 90° Curve 350mm - YE	DP2600-0350-C209YE	
Conn.tube Ø250 Curve 350mm - YE	DP2600-0350-C250YE	
Conn.tube Ø250 - 90° Curve 350mm - YE	DP2600-0350-C259YE	

RAIL SETS			
	Tube length (A)	CC length (B)	Reference
Standard rail	750 mm	1000 mm	DP2600-0750-1000YE
Standard rail	950 mm	1200 mm	DP2600-0950-1200YE
Standard rail	1150 mm	1400 mm	DP2600-1150-1400YE
Standard rail	1350 mm	1600 mm	DP2600-1350-1600YE
Standard rail	1550 mm	1800 mm*	DP2600-1550-1800YE
Standard rail	1750 mm	2000 mm*	DP2600-1750-2000YE
Short rail	600-1349 mm	850-1599 mm	DP2609-1599-SRYE
Long rail	1351-1749 mm	1601-2000 mm*	DP2609-2000-LRYE



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

**FIXED UNITS**

TYPE		LENGTH	BASE	YELLOW	
no curves	Endpost	750 mm	Steel ZC SS	DP2600-0750-FUYE DP2600-0750-FUYEZ DP2600-0750-FUYES	
		751-1750 mm	Steel ZC SS	DP2601-1750-FUYE DP2601-1750-FUYEZ DP2601-1750-FUYES	
	Post Up Down Continu	750 mm	Steel ZC SS	DP2602-0750-FUYE DP2602-0750-FUYEZ DP2602-0750-FUYES	
		751-1750 mm	Steel ZC SS	DP2602-1750-FUYE DP2602-1750-FUYEZ DP2602-1750-FUYES	
1 curve	Endpost LEFT	750 mm	Steel ZC SS	DP2600-0750-FU1CLYE DP2600-0750-FU1CLYEZ DP2600-0750-FU1CLYES	
		751-1750 mm	Steel ZC SS	DP2601-1750-FU1CLYE DP2601-1750-FU1CLYEZ DP2601-1750-FU1CLYES	
	Endpost RIGHT	750 mm	Steel ZC SS	DP2600-0750-FU1CRYE DP2600-0750-FU1CRYEZ DP2600-0750-FU1CRYES	
		751-1750 mm	Steel ZC SS	DP2601-1750-FU1CRYE DP2601-1750-FU1CRYEZ DP2601-1750-FU1CRYES	
	Post LEFT Up Down Continu	750 mm	Steel ZC SS	DP2602-0750-FU1CLYE DP2602-0750-FU1CLYEZ DP2602-0750-FU1CLYES	
		751-1750 mm	Steel ZC SS	DP2602-1750-FU1CLYE DP2602-1750-FU1CLYEZ DP2602-1750-FU1CLYES	
	Post RIGHT Up Down Continu	750 mm	Steel ZC SS	DP2602-0750-FU1CRYE DP2602-0750-FU1CRYEZ DP2602-0750-FU1CRYES	
		751-1750 mm	Steel ZC SS	DP2602-1750-FU1CRYE DP2602-1750-FU1CRYEZ DP2602-1750-FU1CRYES	
2 curves	-	750 mm	Steel ZC SS	DP2600-0750-FU2CYE DP2600-0750-FU2CYEZ DP2600-0750-FU2CYES	
	-	751-1750 mm	Steel ZC SS	DP2601-1750-FU2CYE DP2601-1750-FU2CYEZ DP2601-1750-FU2CYES	