TB260 DOUBLE PLUS

SAFETY BARRIERS

PRODUCT SPECIFICATIONS

APPLICATION	
Environment	Just like the TB400 Double Plus, the TB260 Double Plus offers protection against impacts from heavier vehicles. Its lower tube is specifically designed to prevent goods or pallets from sliding under the barriers, reducing the potential harm to pedestrians or machinery.
Impact performance at 90°	POST: 39800 Joule (Eq. to 10 ton - 10,2 km/h)
	RAIL: 46500 Joule (Eq. to 10 ton - 11,0 km/h)

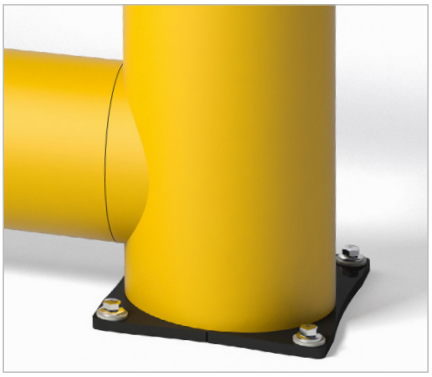
MATERIAL	
Posts and rails	Extrilene® - UV resistant - Fire class E* - Non conductive - Impervious to most chemicals**
Caps	Sustainable elastomer

STANDARD COLOURS	
End post	Yellow RAL 1003
Mid post	Yellow RAL 1003
Impact tube	Yellow RAL 1003

BASEPLATES			
	Steel	Zinc Coated Steel	Stainless steel
Material	Steel 37	Steel 37	Stainless steel 304
Coating	Lacquered	Electroplated + Laquered	No Itacquer / No coating
Colour	High gloss black	Mat black	Natural colour

*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		Ø18mm (M12) x 130mm	Ø18mm (M12) x 130mm
ALTERNATIVES	Anchor rod (Chemical)		M16 x 120mm + Chemical resin	M16 x 120mm + Chemical resin
	Concrete screw		Ø17mm x 130mm	Not available



FEATURES AND FUNCTIONALITY - TB 260 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: 275 mm x 320 mm (12mm thick) Mid Post: 275 mm x 320 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

IMPACT LABEL FOR SAFETY BARRIERS

BOPLAN TB 260 DOUBLE PLUS

IMPACT RATING	45°	90°
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		

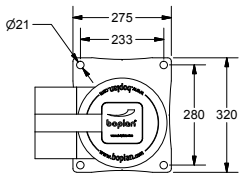
TEST CONDITIONS
TEMPERATURE: 20°C / 68°F
IMPACT HEIGHT: 650 mm / 25 2/3 Inch
IMPACT ANGLE: 90°
TEST FLOOR: CONCRETE SLAB C25/30 - 160 mm / 6 Inch
MANUFACTURER ANCHOR PULL OUT: 17kN

TEST VEHICLE
WEIGHT: 2300 KG / 5070.63 lbs
TYPE: COMMERCIAL FORK LIFT
SIZE (L x W x h): 1890x1020x1970 mm / 74x40x78 Inch
CONTACT AREA: STEEL BUMPER WIDTH: 600 mm / 24 Inch

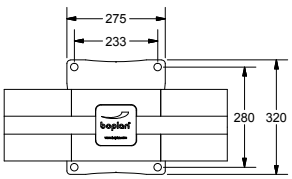
ACCREDITED TEST LABORATORY
620 Route des Fromentaux
01500 Saint-Maurice-de-Rémens
01360 Béligneux
France

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

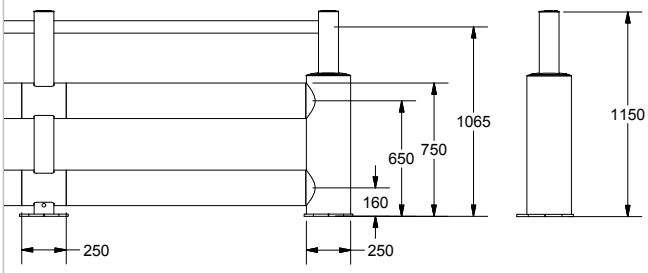
IL-DP260-20230707

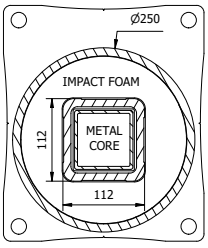


DETAIL A
SCALE 1/10
END POST



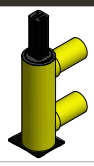
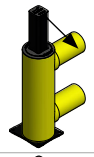
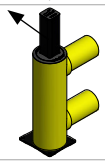
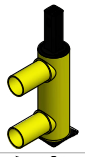
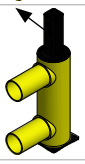
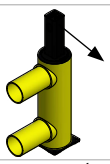
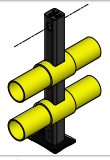
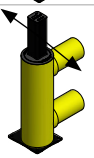
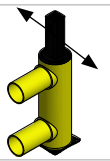
DETAIL B
SCALE 1/10
MID POST





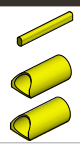
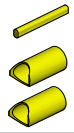
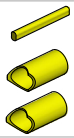
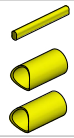
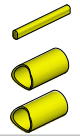
REFERENCE LIST - TB260 DOUBLE PLUS

POSTS

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

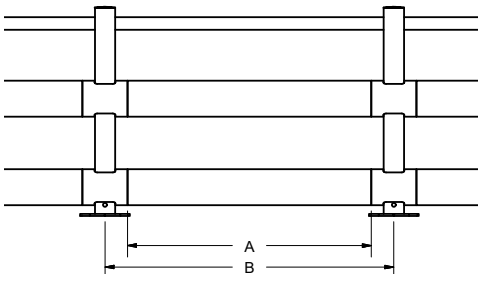
* 2 Caps included to close handrail hole

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

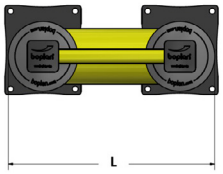
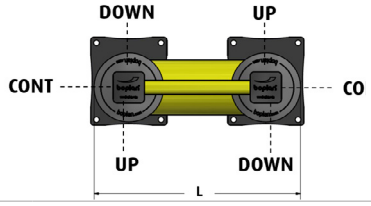
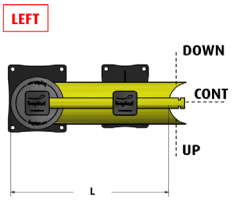
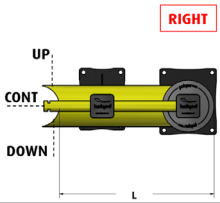
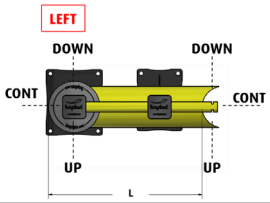
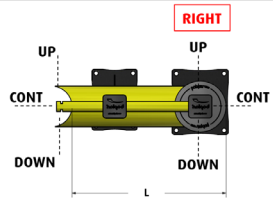
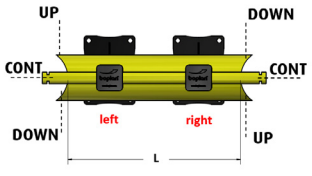
	Tube length (A)	CC length (B)	Reference
Standard rail	750 mm	1000 mm	DP2600-0750-1000YE
Standard rail	950 mm	1200 mm	DP2600-0950-1200YE
Standard rail	1150 mm	1400 mm	DP2600-1150-1400YE
Standard rail	1350 mm	1600 mm	DP2600-1350-1600YE
Standard rail	1550 mm	1800 mm*	DP2600-1550-1800YE
Standard rail	1750 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.

REFERENCE LIST - TB260 DOUBLE PLUS

FIXED UNITS

TYPE		LENGTH	BASE	REFERENCE YE	
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	-	800 mm	Steel ZC SS	DP2600-0800-FU2CYE DP2600-0800-FU2CYEZ DP2600-0800-FU2CYES	
		801-1750 mm	Steel ZC SS	DP2601-1750-FU2CYE DP2601-1750-FU2CYEZ DP2601-1750-FU2CYES	