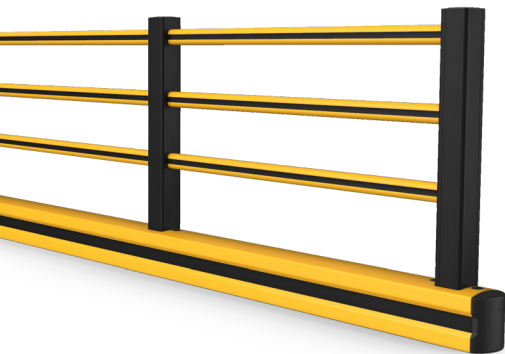


FLIP PLUS BOPLAN PLINTH SPECIFICATION SHEET




Revision: 31 May 2022 10:11 AM
Boplan reference: PL2300 ...

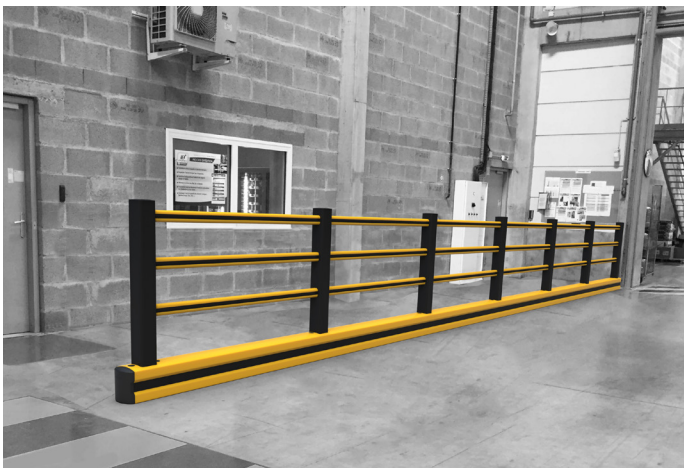
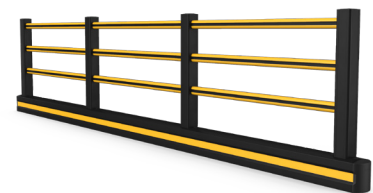


PRODUCT SPECIFICATIONS

APPLICATION	
Environment	Ground level protection + Handrail system Create walkways and protect pedestrians from pallet trucks, lift trucks, forklifts or other vehicles. The plinth profile prevents goods or pallets sliding under the Rails and hitting pedestrians or causing damage to machines or equipment.
MATERIAL	
Connection pieces / Rails	Novilene® - UV resistant - Fire class E ⁺ - Non conductive - Impervious to most chemicals***
(End) Caps	Rubber - UV resistant - Fire class E ⁺ - Non conductive - Impervious to most chemicals**
STANDARD COLORS	
Plinth Profiles	Yellow/Black - Black/Yellow (Bi-color)
Hand Rail	Yellow/Black (Bi-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	Concrete screw	 Ø17mm x 135mm	Not available
	Anchor rod (Chemical)	 M16 x 120mm + Chemical resin	M16 x 120mm + Chemical resin
ALTERNATIVES	Wedge anchor	 M16 x 140mm	Not available
	Asphalt anchor	 Bolt M16 x 100mm + Screw Ø22mm	Not available

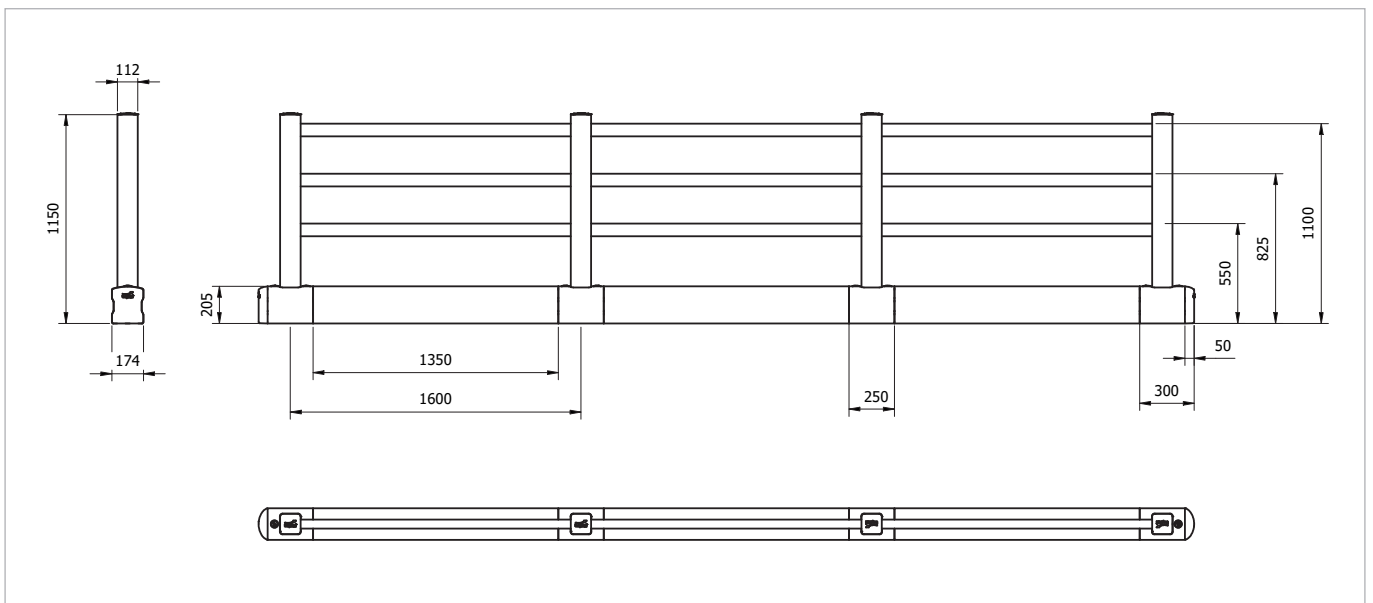


FEATURES AND FUNCTIONALITY





IMPACT LABEL FOR SAFETY BARRIERS		
BOPLAN FLIP PLUS		
IMPACT RATING	45°	90° PAS 13:2017 compliant
DEFLECTION At maximum impact energy	D = NA	D = 249 mm
TEST CONDITIONS TEMPERATURE: 20°C IMPACT ANGLE: 90° - IMPACT HEIGHT: 125 mm STANDARD RAIL LENGTH: 1350 mm TEST FLOOR: CONCRETE C25/30 - 160 mm MANUFACTURER ANCHOR PULL OUT: 12.6kN	TEST VEHICLE WEIGHT: 3762 KG TYPE: BOPLAN IMPACT TEST VEHICLE SIZE (L x W x h): 3100 x 1100 x 1150 mm CONTACT AREA: STEEL BUMPER WIDTH: 1000 mm	BOPLAN TEST LAB Muizelstraat 12 8560 Moorsele Belgium
SUCCESS CRITERIA VEHICLE STOPPED - ASI (ACCELERATION SEVERITY INDEX) <0.5		

SIZE	
Height plinth	205 mm
Profile section plinth	205 mm x 174 mm (10 mm thick)
Height posts	1150 mm
Profile section posts	112 mm x 112 mm (10 mm thick)
Profile section Handrails	50 mm x 70 mm (6 mm thick)
Standard rail length	see next page

REQUIREMENTS	
Floor	Industrial concrete, flat surface
Concrete quality	minimum C25/30
Concrete floor plate thickness (mm)	minimum 150
Operational temperature	+5°C up to +40°C
Water and humidity	Zinc coated fixations: indoor and outdoor use in most environments

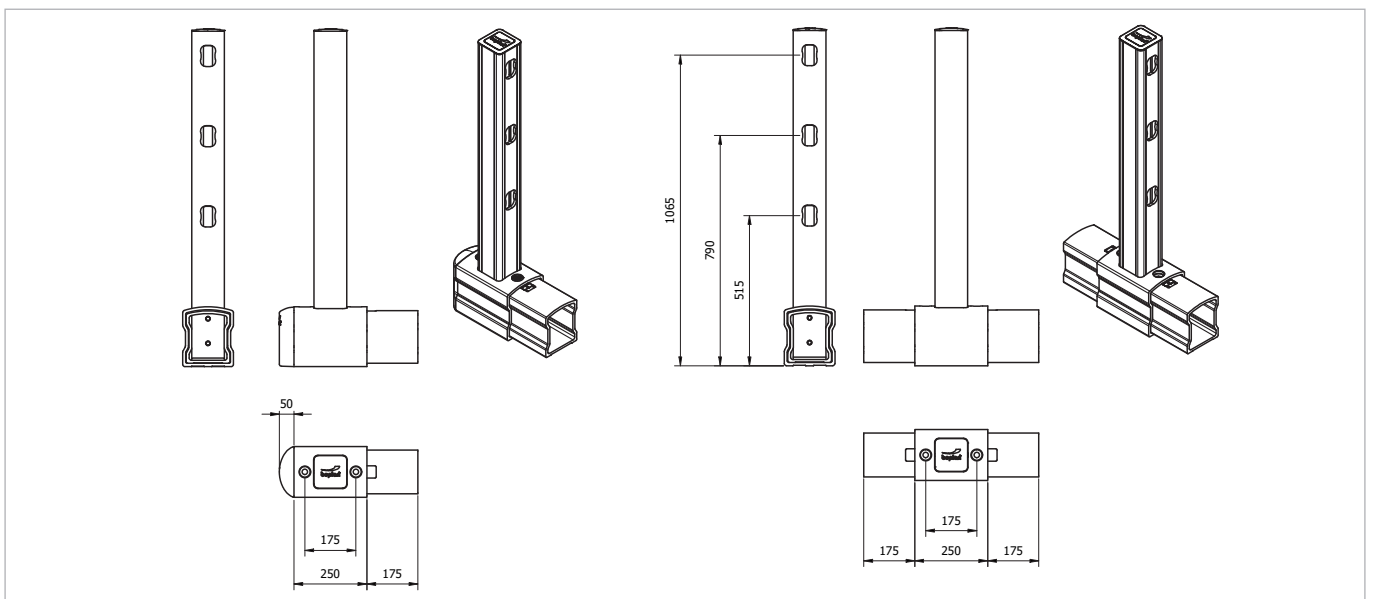


REFERENCE LIST - FLIP PLUS 3 RAILS

CONNECTION PIECES		
Endpost Yellow/Black 3R	PL2300-0001-EPYB	
Endpost Black/Yellow 3R	PL2300-0001-EPBY	
Midpost Yellow/Black 3R	PL2300-0001-MPYB	
Midpost Black/Yellow 3R	PL2300-0001-MPBY	

RAIL SETS			
	Rail length	CC length	Reference
Standard rail	750 mm	1000 mm	PL2300-0750-1000YB
Standard rail	750 mm	1000 mm	PL2300-0750-1000BY
Standard rail	950 mm	1200 mm	PL2300-0950-1200YB
Standard rail	950 mm	1200 mm	PL2300-0950-1200BY
Standard rail	1150 mm	1400 mm	PL2300-1150-1400YB
Standard rail	1150 mm	1400 mm	PL2300-1150-1400BY
Standard rail	1350 mm	1600 mm	PL2300-1350-1600YB
Standard rail	1350 mm	1600 mm	PL2300-1350-1600BY
Standard rail	1550 mm	1800 mm	PL2300-1550-1800YB
Standard rail	1550 mm	1800 mm	PL2300-1550-1800BY
Standard rail	1750 mm	2000 mm	PL2300-1750-2000YB
Standard rail	1750 mm	2000 mm	PL2300-1750-2000BY
Non Std rail	600 - 1349 mm	850 - 1599 mm	PL2300-1599-SRYB
Non Std rail	600 - 1349 mm	850 - 1599 mm	PL2300-1599-SRBY
Non Std rail	1351 - 1750 mm	1601 - 2000 mm	PL2301-2000-LRYB
Non Std rail	1351 - 1750 mm	1601 - 2000 mm	PL2301-2000-LRBY

The impact performance has not been tested for tube lengths >1400 mm. Only use longer lengths for non - critical applications.



REFERENCE LIST - FLIP PLUS 2 RAILS

CONNECTION PIECES		
Endpost Yellow/Black 2R	PL2200-0001-EPYB	
Endpost Black/Yellow 2R	PL2200-0001-EPBY	
Midpost Yellow/Black 2R	PL2200-0001-MPYB	
Midpost Black/Yellow 2R	PL2200-0001-MPBY	

RAIL SETS			
	Rail length	CC length	Reference
Standard rail	750 mm	1000 mm	PL2200-0750-1000YB
Standard rail	750 mm	1000 mm	PL2200-0750-1000BY
Standard rail	950 mm	1200 mm	PL2200-0950-1200YB
Standard rail	950 mm	1200 mm	PL2200-0950-1200BY
Standard rail	1150 mm	1400 mm	PL2200-1150-1400YB
Standard rail	1150 mm	1400 mm	PL2200-1150-1400BY
Standard rail	1350 mm	1600 mm	PL2200-1350-1600YB
Standard rail	1350 mm	1600 mm	PL2200-1350-1600BY
Standard rail	1550 mm	1800 mm	PL2200-1550-1800YB
Standard rail	1550 mm	1800 mm	PL2200-1550-1800BY
Standard rail	1750 mm	2000 mm	PL2200-1750-2000YB
Standard rail	1750 mm	2000 mm	PL2200-1750-2000BY
Non Std rail	600 - 1349 mm	850 - 1599 mm	PL2200-1599-SRYB
Non Std rail	600 - 1349 mm	850 - 1599 mm	PL2200-1599-SRBY
Non Std rail	1351 - 1750 mm	1601 - 2000 mm	PL2201-2000-LRYB
Non Std rail	1351 - 1750 mm	1601 - 2000 mm	PL2201-2000-LRBY

* The impact performance has not been tested for tube lengths >1400 mm. Only use longer lengths for non - critical applications.

