

FLIP180L M

KICK RAILS AND WHEEL STOPS

Revision: 12 February 2025 3:54 PM
Boplan reference: PL1800...





PRODUCT SPECIFICATIONS

APPLICATION	
Environment	Ground level protection <ul style="list-style-type: none"> - Wall protection (refrigerator walls, decorative walls, sandwich panels) - Wheel guide for pallet trucks or trolleys in busy traffic lanes - Protection of machines and infrastructures - Below a Boplan traffic barrier system - Indoor and outdoor use - Food industry
MATERIAL	
Connection pieces / Rails	Extrilene® - UV resistant - Fire class E* - Non conductive - Impervious to most chemicals***
Cap / Seal	Sustainable elastomer
STANDARD COLOURS	
Connection pieces	Black
Rail	Yellow/Black - Black/Yellow (Yellow RAL 1003 & Black RAL 9005)

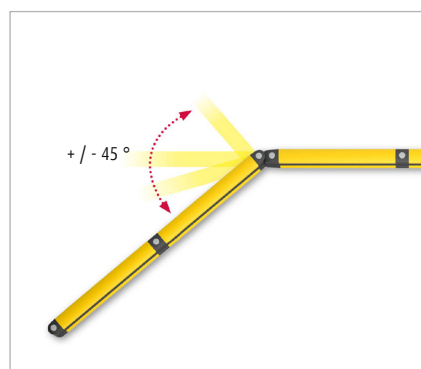
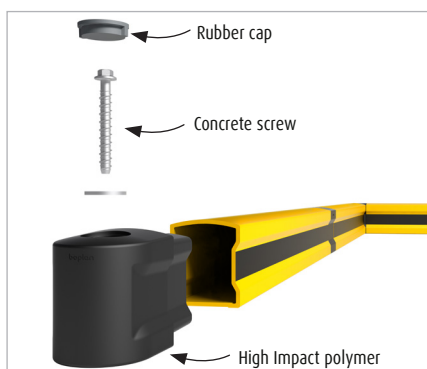
*Classification according to EN 13501-1:2007 +A1:2009 - Fire classification of construction products and building elements.

**Ask your local sales office for resistance to specific chemicals.




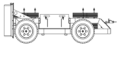



FIXATIONS				
			ZC (Zinc coated)	SS (Stainless steel)
STANDARD	Concrete screw		Ø17mm x 130mm	Not available
	Anchor rod (Chemical)		M16 x 120mm + Chemical resin	M16 x 120mm + Chemical resin
	Wedge Anchor		M16 x 140mm	Not available
	Asphalt anchor		Bolt M16 x 50mm + Screw Ø22x 100mm	Not available

The anchors specified in this document are metric. Imperial anchors are available on demand.

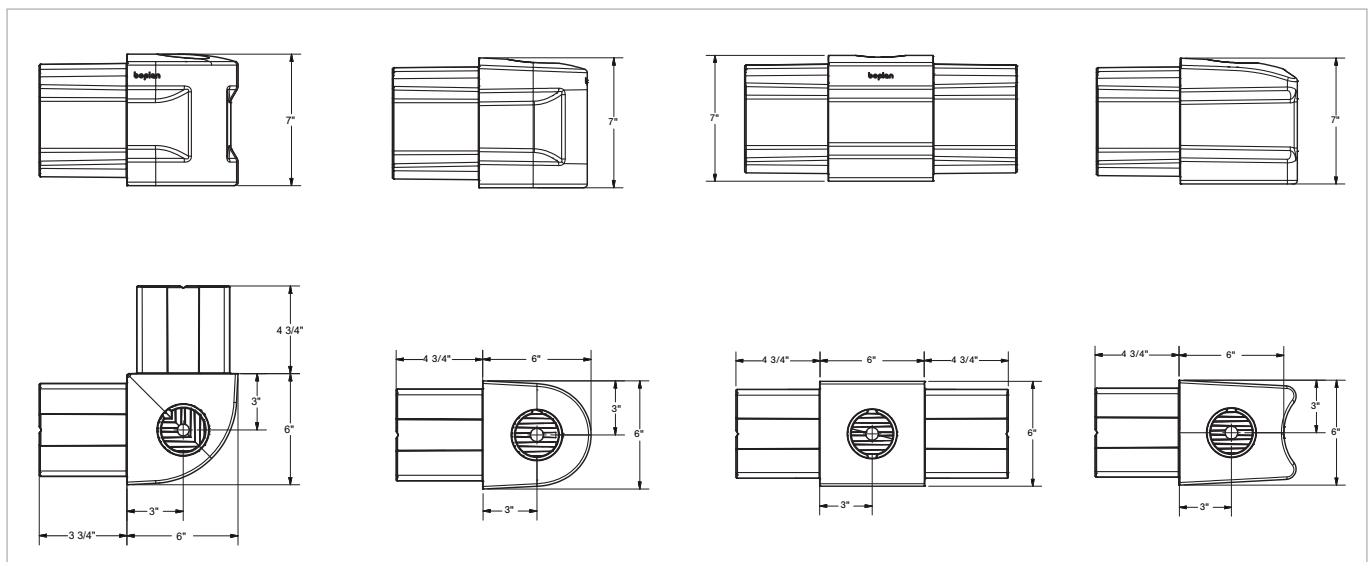


FEATURES AND FUNCTIONALITY - FLIP180L M

 IMPACT LABEL FOR SAFETY BARRIERS		
BOPLAN FLIP180L M		
IMPACT RATING	45°	90°
E80	< 80 kJ	
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	4.9kJ
E2	< 2,5 kJ	3.5kJ
DEFLECTION At maximum impact energy		
	D = NA	D = 197 mm
TEST CONDITIONS TEMPERATURE: 20°C IMPACT ANGLE: 90° - IMPACT HEIGHT: 125 mm STANDARD RAIL LENGTH: 1400 mm TEST FLOOR: CONCRETE C25/30 - 160 mm MANUFACTURER ANCHOR PULL OUT: 21 kN	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 CENTRE  Muizelstraat 12 8560 Moorsele Belgium
SUCCESS CRITERIA VEHICLE STOPPED - ASI (ACCELERATION SEVERITY INDEX) <0.5		

SIZE	
Height	7 in (H) x 6 in (W)
Profile section	7 in (H) x 6 in (W) x (2/5 in thick)
Standard rail length	see next page

REQUIREMENTS	
Compatibility	Below TB 400 / TB400 Plus / HP Plus - ...
Floor	Industrial concrete, flat surface
Concrete quality	minimum 4000 PSI (C25/30)
Concrete floor plate thickness	minimum 6 in
Operational temperature	140°F up to 104°F
Water and humidity	Zinc coated fixations: indoor and outdoor use in most environments



REFERENCE LIST - FLIP180L M

CONNECTION PIECES		
Endpost	PL1800-0001-EPBL	
Midpost	PL1800-0001-MPBL	
Corner post 90°	PL1800-0001-CPBL	
Universal corner post	PL1800-0001-UCBL	

RAIL SETS				
	Rail length	CC length	Reference Y/B	Reference B/Y
Standard rail	18 in	24 in	PL1800-0457-0001YB	PL1800-0457-0001BY
Standard rail	30 in	36 in	PL1800-0762-0001YB	PL1800-0762-0001BY
Standard rail	42 in	48 in	PL1800-1067-0001YB	PL1800-1067-0001BY
Standard rail	54 in	60 in	PL1800-1375-0001YB	PL1800-1375-0001BY
Standard rail	66 in	72 in	PL1800-1676-0001YB	PL1800-1676-0001BY
Standard rail	72 in	78 in	PL1800-1828-0001YB	PL1800-1828-0001BY
Non Std rail	12 - 51 in	18 - 57 in	PL1801-1449-0001YB	PL1801-1449-0001BY
Non Std rail	52 - 78 in	58 - 84 in	PL1801-2149-0001YB	PL1801-2149-0001BY
The impact performance has not been tested for tube lengths >60 in. Only use longer lengths for non - critical applications.				

