

FLIP120L M

KICK RAILS AND WHEEL STOPS

Revision: 11 February 2025 11:00 AM
Boplan reference: PL1200





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 - 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)

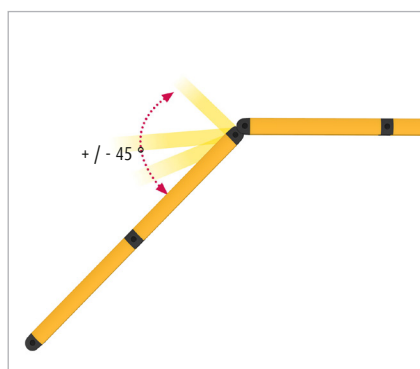
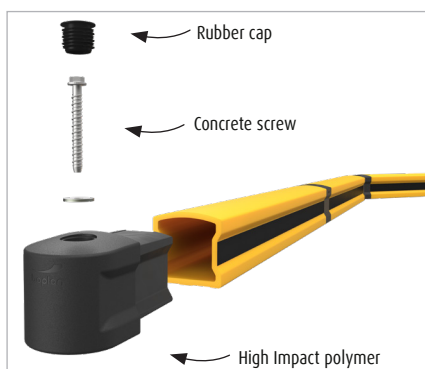
*Classification according to EN 13501-1:2007 +A1:2009 - Fire classification of construction products and building elements.

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





FIXATIONS			ZC (Zinc coated)	SS (Stainless steel)
STANDARD	Concrete screw		Ø12mm x 100mm	Not available
	Anchor rod (Chemical)		M12 x 120mm + Chemical resin	M12 x 120mm + Chemical resin
	Wedge Anchor		M12 x 120mm	Not available
	Asphalt anchor		Bolt M10 x 40mm + Screw Ø16mm	Not available

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

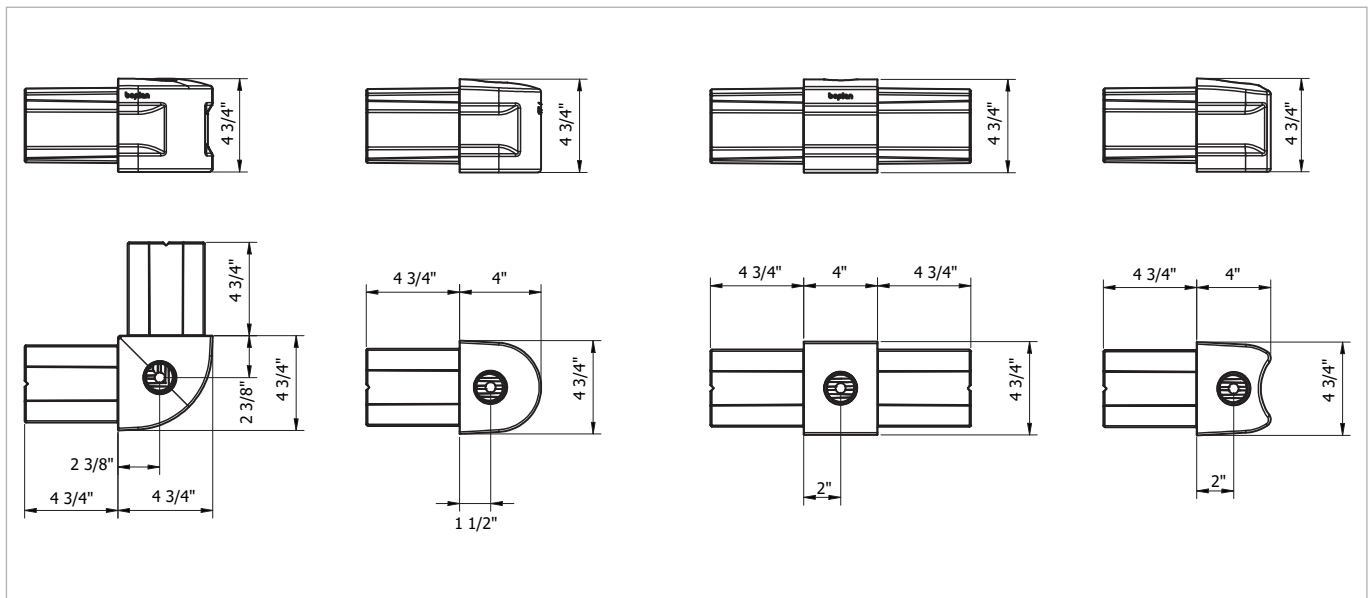


FEATURES AND FUNCTIONALITY - FLIP120L M

boplan IMPACT LABEL FOR SAFETY BARRIERS		
BOPLAN FLIP120L 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	3.6kJ	2.6kJ
E2 < 2,5 kJ		
DEFLECTION At maximum impact energy	D = NA	D = 201 mm
TEST CONDITIONS TEMPERATURE: 20°C IMPACT ANGLE: 90° - IMPACT HEIGHT: 75 mm STANDARD RAIL LENGTH: 1400 mm TEST FLOOR: CONCRETE C25/30 - 160 mm MANUFACTURER ANCHOR PULL OUT: 12.6 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 Muiselstraat 12 8560 Moorsele Belgium 
SUCCESS CRITERIA VEHICLE STOPPED - ASI (ACCELERATION SEVERITY INDEX) <0.5		

SIZE	
Height	4 3/4 in
Profile section	4 3/4 x 3 3/4 in (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	14°F up to 104°F
Water and humidity	Zinc coated fixations: indoor and outdoor use in most environments



REFERENCE LIST - FLIP120L M

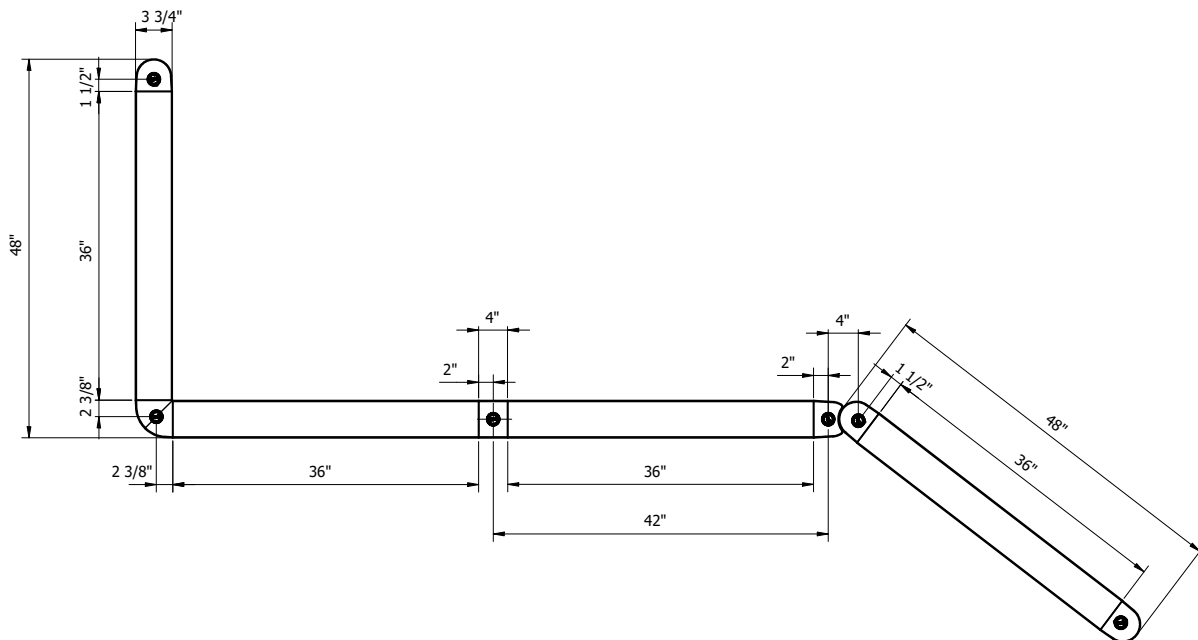
CONNECTION PIECES

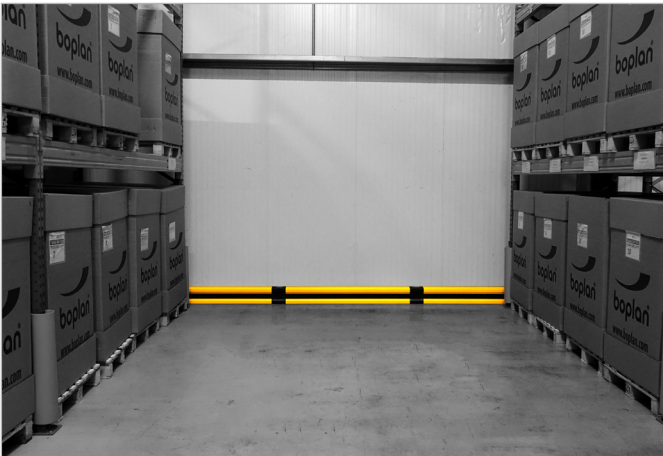
Endpost	PL1200-0001-EPBL	
Midpost	PL1200-0001-MPBL	
Corner post 90°	PL1200-0001-CPBL	
Universal corner post	PL1200-0001-UCBL	

RAIL SETS

	Rail length	CC length	Reference Y/B	Reference B/Y
Standard rail	24 in	20 in	PL1200-0510-0001YB	PL1200-0510-0001BY
Standard rail	36 in	32 in	PL1200-0815-0001YB	PL1200-0815-0001BY
Standard rail	48 in	44 in	PL1200-1120-0001YB	PL1200-1120-0001BY
Standard rail	60 in	56 in	PL1200-1425-0001YB	PL1200-1425-0001BY
Standard rail	72 in	68 in	PL1200-1728-0001YB	PL1200-1728-0001BY
Standard rail	78 in	74 in	PL1200-1880-0001YB	PL1200-1880-0001BY
Non Std rail	20 - 63 in	16 - 59 in	PL1201-1499-0001YB	PL1201-1499-0001BY
Non Std rail	63 - 79 in	59 - 75 in	PL1201-1899-0001YB	PL1201-1899-0001BY

The impact performance has not been tested for tube lengths >60 in.
Only use longer lengths for non - critical applications.





70 <<< **SPECSHEET**

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