

# FLIP200F PLUS

## KICK RAILS AND WHEEL STOPS


Revision: 12 February 2025 5:14 PM  
Boplan reference: PL2300...

### PRODUCT SPECIFICATIONS

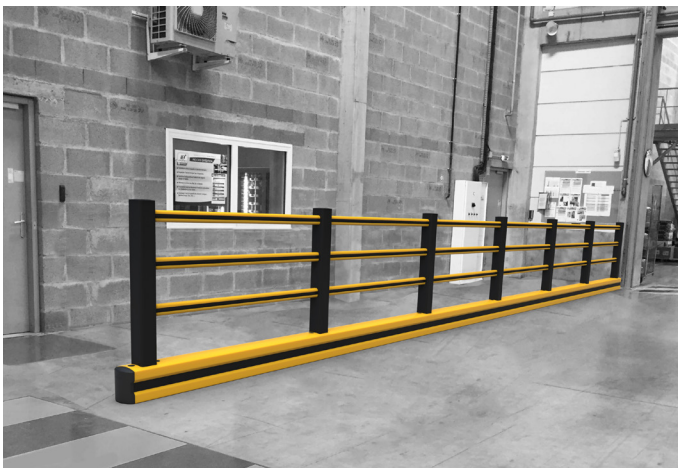
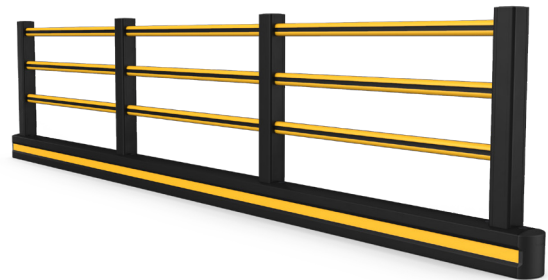
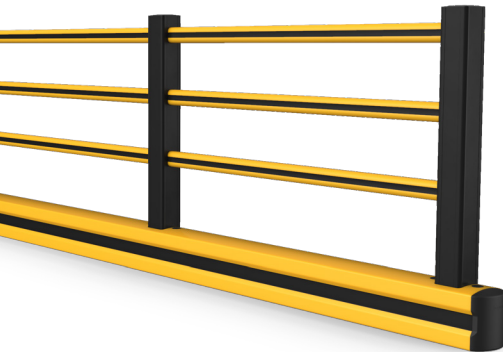
APPLICATION	
Environment	<b>Ground level protection + Handrail system</b> Create walkways and protect pedestrians from pallet trucks, lift trucks, forklifts or other vehicles. The plinth profile prevents goods or pallets sliding under the rails and hitting pedestrians or causing damage to machines or equipment.
MATERIAL	
Connection pieces / Rails	Extrilene® - UV resistant - Fire class E* - Non conductive - Impervious to most chemicals***
(End) Caps	Sustainable elastomer
STANDARD COLOURS	
Plinth Profiles	Yellow/Black - Black/Yellow (Yellow RAL 1003 & Black RAL 9005)
Handrail	Yellow/Black (Yellow RAL 1003 & Black RAL 9005)

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



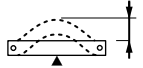
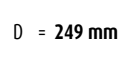
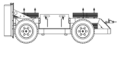

\*\*Ask your local sales office for resistance to specific chemicals.

FIXATIONS				
			ZC (Zinc coated)	SS (Stainless steel)
STANDARD	Concrete screw		Ø17mm x 130mm	Not available

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

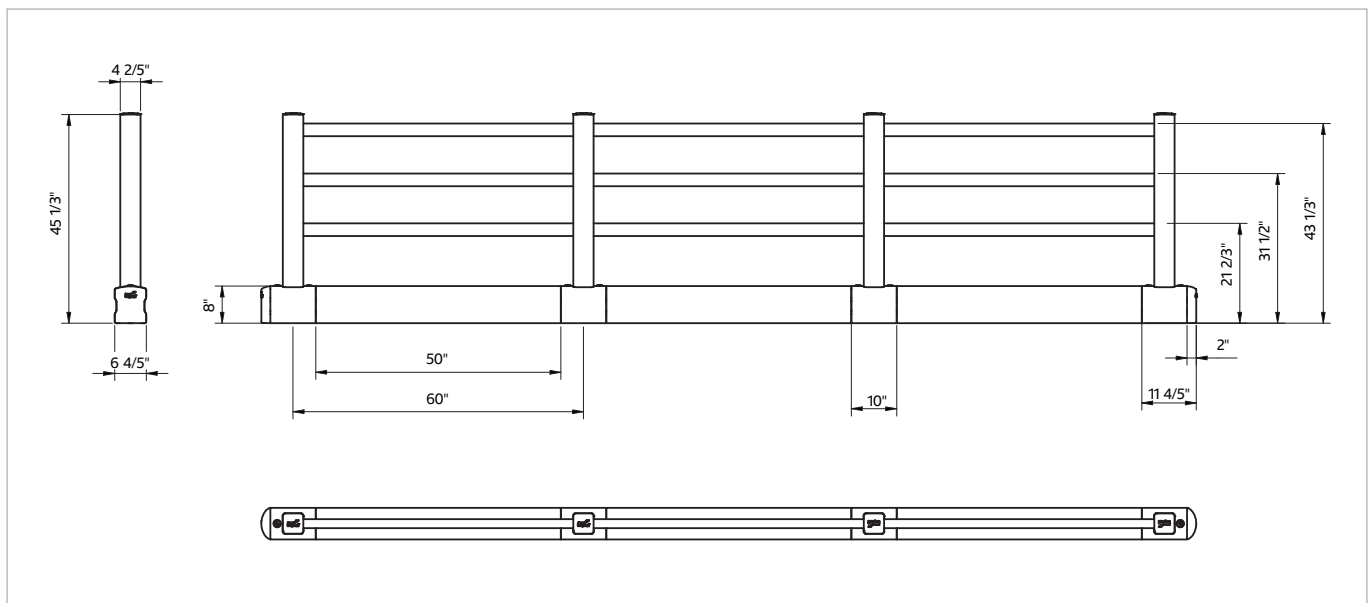


## FEATURES AND FUNCTIONALITY - FLIP200F PLUS

 <b>IMPACT LABEL FOR SAFETY BARRIERS</b>		
<b>BOPLAN FLIP200F PLUS</b>		
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	21.5kJ
E15	< 15 kJ	15.2kJ
E10	< 10 kJ	
E5	< 5,0 kJ	
E2	< 2,5 kJ	
<b>DEFLECTION</b> At maximum impact energy	 D = NA	 D = 249 mm
<b>TEST CONDITIONS</b> 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: 21 kN	<b>TEST VEHICLE</b>  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	<b>BOPLAN TEST CENTRE</b>  Muizelstraat 12 8560 Moorsele Belgium
<b>SUCCESS CRITERIA</b> VEHICLE STOPPED - ASI (ACCELERATION SEVERITY INDEX) <0.5		

SIZE	
Height plinth	8 in
Profile section plinth	8 in x 6 7/8 in (2/5 in thick)
Height posts	45 1/3 in
Profile section posts	4 2/5 in x 4 2/5 in (2/5 in thick)
Profile section Handrails	2 in x 2 3/4 in (1/5 in thick)
Standard rail length	see next page

REQUIREMENTS	
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	<b>Zinc coated fixations:</b> indoor and outdoor use in most environments



## REFERENCE LIST - FLIP200F PLUS 3 RAILS

CONNECTION PIECES		
Endpost Yellow/Black 3R Endpost Black/Yellow 3R (2R Available with 3R + Rail Plug)	PL2300-0001-EPYB PL2300-0001-EPBY	
Endpost Yellow/Black 3R Continu Endpost Black/Yellow 3R Continu (2R Available with 3R + Rail Plug)	PL2200-0001-EPC3YB PL2200-0001-EPC3BY	
Midpost Yellow/Black 3R Midpost Black/Yellow 3R (2R Available with 3R + Rail Plug)	PL2300-0001-MPYB PL2300-0001-MPBY	

RAIL SETS			
	Rail length	CC length	Reference
Standard rail	26 in	36 in	PL2300-0665-0915YB
Standard rail	26 in	36 in	PL2300-0665-0915BY
Standard rail	38 in	48 in	PL2300-0970-1220YB
Standard rail	38 in	48 in	PL2300-0970-1220BY
Standard rail	50 in	60 in	PL2300-1275-1575YB
Standard rail	50 in	60 in	PL2300-1275-1575BY
Standard rail	62 in	72 in	PL2300-1578-1828YB
Standard rail	62 in	72 in	PL2300-1578-1828BY
Non Std rail	68 in	78 in	PL2300-1730-1980YB
Non Std rail	68 in	78 in	PL2300-1730-1980BY
Non Std rail	16 - 53 in	26 - 63 in	PL2301-1599-SRYB
Non Std rail	53 - 69 in	63 - 79 in	PL2301-2000-LRYB

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

