

FLIP200F PLUS

KICK RAILS AND WHEEL STOPS


Revision: 14 April 2026 1:15 PM
Boplan reference: PL2300...

PRODUCT SPECIFICATIONS

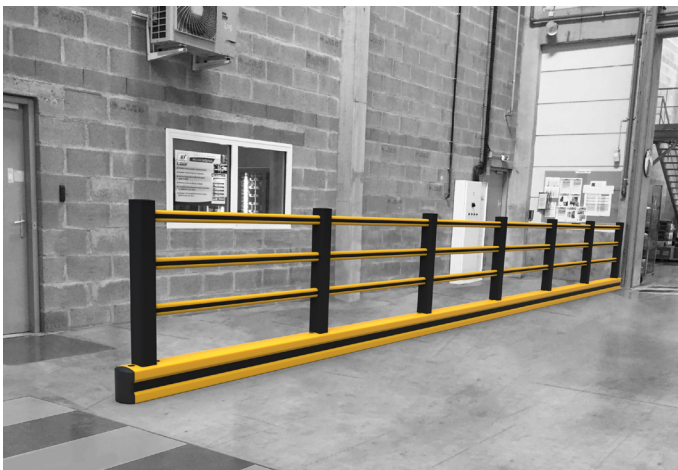
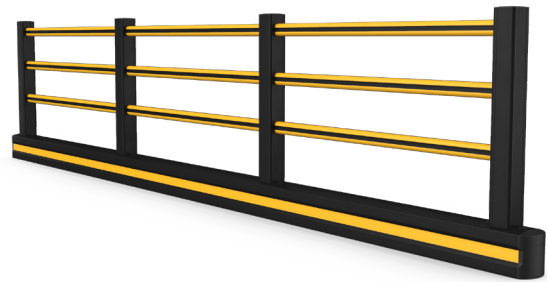
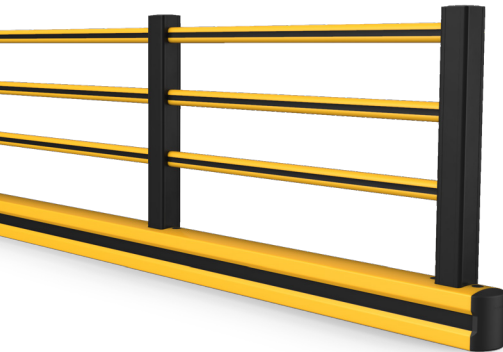
APPLICATION	
Environment	Ground level protection + Handrail system Create walkways and protect pedestrians from pallet trucks, lift trucks, forklifts or other vehicles. The plinth profile prevents goods or pallets sliding under the rails and hitting pedestrians or causing damage to machines or equipment.
MATERIAL	
Connection pieces / Rails	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

IMPACT LABEL FOR SAFETY BARRIERS

BOPLAN FLIP200F PLUS		
IMPACT RATING	45°	90°
E50 < 50 kJ		
E40 < 40kJ		
E30 < 30kJ		
E25 < 25kJ		
E20 < 20kJ	21.5kJ	
E15 < 15kJ		15.2kJ
E12 < 12kJ		
E10 < 10kJ		
E7 < 7.5kJ		
E5 < 5.0kJ		
E2 < 2.5kJ		
E1 < 1.0 kJ		

IMPACT RESULTS

Deflection: D = 249 mm / 9.8 inch

At maximum impact energy

SUCCESS CRITERIA

VEHICLE STOPPED
ASI (ACCELERATION SEVERITY INDEX) < 0.5

TEST CONDITIONS

TEMPERATURE: 20°C / 68°F
IMPACT HEIGHT: 125 mm / 4.9 Inch → D: 249 mm / 9.8 Inch
TEST FLOOR: CONCRETE SLAB (C25/30 - 150 mm / 6 Inch)

BOPLAN TEST CENTRE

Muizelstraat 12
8560 Moorsele
Belgium

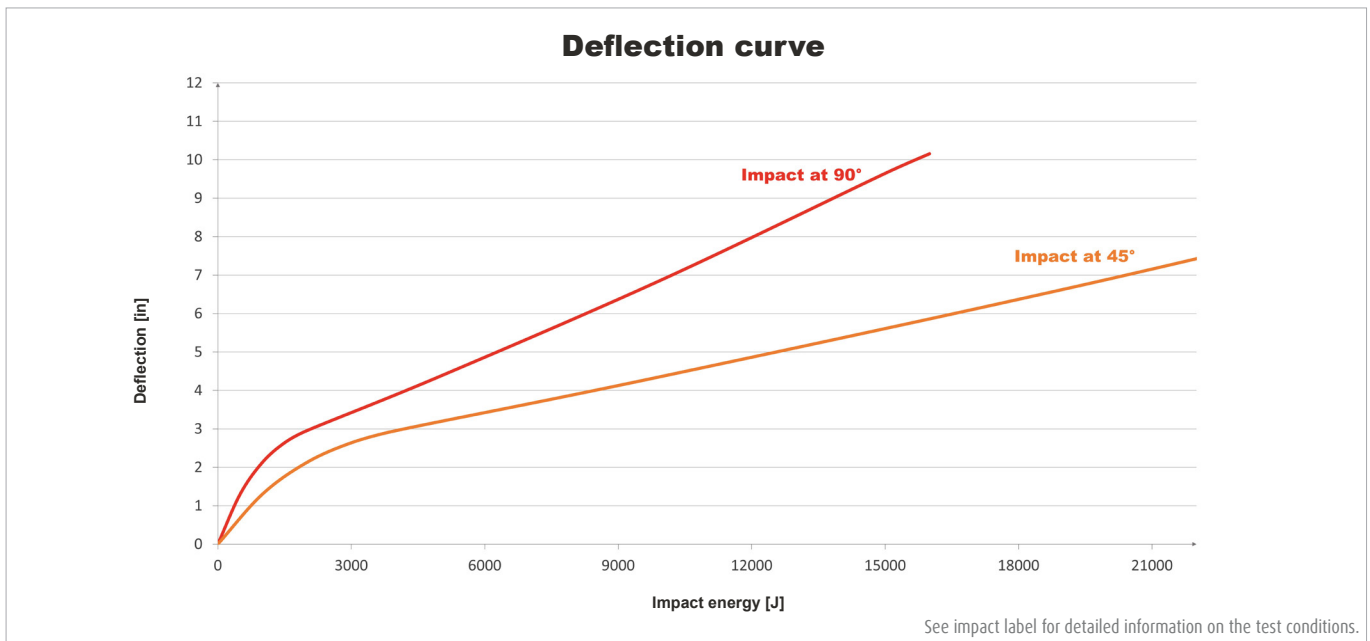
TEST VEHICLE:

TYPE: BOPLAN IMPACT TEST VEHICLE
WEIGHT: 3762 Kg / 8294 lbs
SIZE (L x W x h): 3100 x 1100 x 1150 mm / 122 x 43 1/4 x 45 1/4 Inch
CONTACT AREA, STEEL BUMPER WIDTH: 1000 mm / 39 1/4 Inch

IL-PL2200-20260130

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	Zinc coated fixations: indoor and outdoor use in most environments

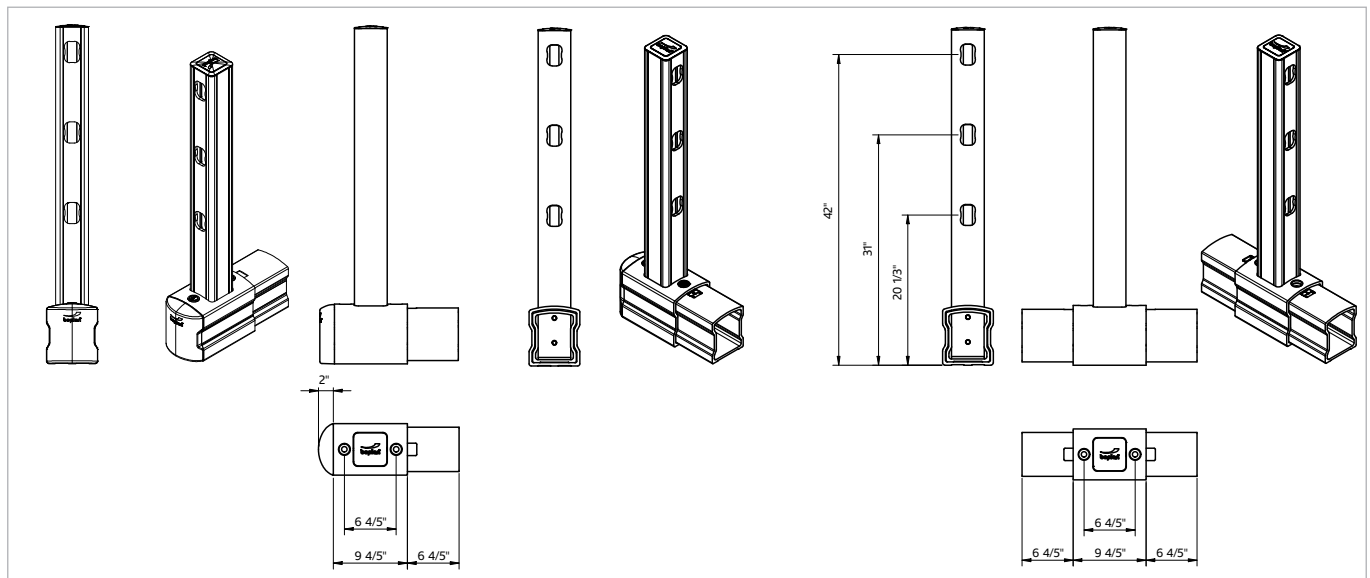


REFERENCE LIST - FLIP200F PLUS 3 RAILS

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)	PL2300-0001-EPC3YB PL2300-0001-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.



TECHNICAL DRAWING - FLIP200F PLUS

