

# FLIP200F

## KICK RAILS AND WHEEL STOPS



Revision: 4 June 2024 10:55 AM  
Boplan reference: PL2020...

### PRODUCT SPECIFICATIONS

APPLICATION	
Environment	<b>Ground level protection</b> - Wall protection (refrigerator walls, decorative walls, sandwich panels) - Wheel guide for pallet trucks or trolleys in busy traffic lanes - Protection of machines and infrastructure - Below a Boplan traffic barrier system - Indoor and outdoor use - Food Industry
MATERIAL	
Plinth	Extrilene® - UV resistant - Fire class E <sup>+</sup> - Non conductive - Impervious to most chemicals**
Endcap	Sustainable elastomer
STANDARD COLOURS	
Plinth	Yellow/Black - Black/Yellow (Yellow RAL 1003 & Black RAL 9005)


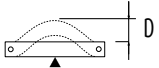

\*Classification according to EN 13501-1:2007 +A1:2009 - Fire classification of construction products and building elements.  
\*\*Ask your local sales office for resistance to specific chemicals.



		FIXATIONS		
			ZC (Zinc coated)	SS (Stainless steel)
STANDARD	Concrete screw		Ø17mm x 130mm	Not available
ALTERNATIVE	Wedge Anchor		Ø18 (M12) x 130mm	Not available



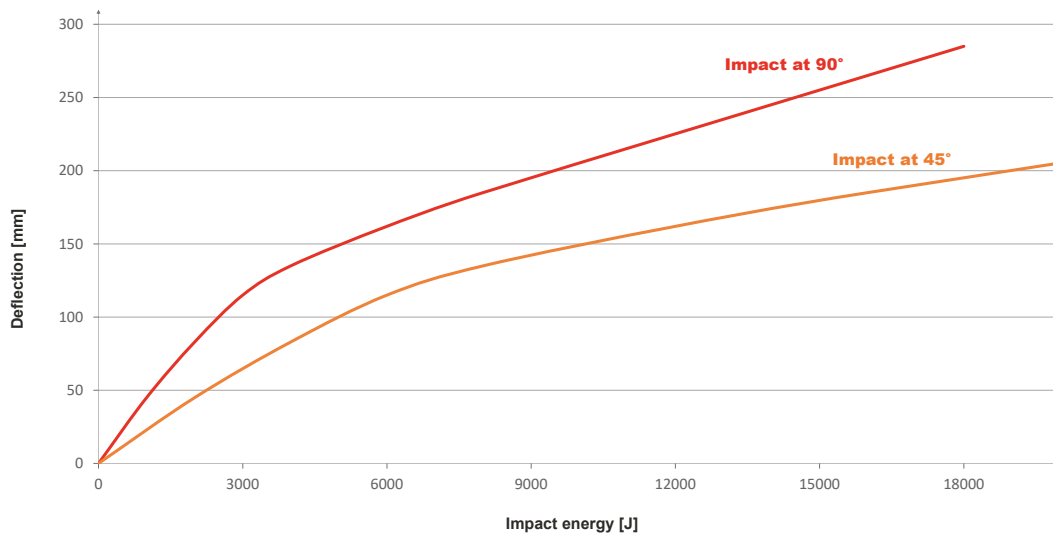
**FEATURES AND FUNCTIONALITY - FLIP200F**

boplan <b>IMPACT LABEL FOR SAFETY BARRIERS</b>		
<b>BOPLAN FLIP200F</b>		
<b>IMPACT RATING</b>	45°	90°
E50 < 50 kJ		
E40 < 40 kJ		
E30 < 30 kJ		
E25 < 25 kJ		
E20 < 20 kJ	22 kJ	17 kJ
E15 < 15 kJ		
E12 < 12 kJ		
E10 < 10 kJ		
E7 < 7.5 kJ		
E5 < 5.0 kJ		
E2 < 2.5 kJ		
E1 < 1.0 kJ		
<b>IMPACT RESULTS</b> Deflection at 90°: 285 mm / 11.22 Inch At maximum impact energy		
<b>TEST CONDITIONS</b> TEMPERATURE: 20°C / 68°F IMPACT HEIGHT: 88 mm / 3.46 Inch → D: 285 mm / 11.22 Inch TEST FLOOR: CONCRETE SLAB C25/30 - 150 mm / 6 Inch FIXATION: CONCRETE SCREW Ø17 x 135 mm	<b>SUCCESS CRITERIA</b> VEHICLE STOPPED ASI (ACCELERATION SEVERITY INDEX) < 0.5	
<b>TEST VEHICLE:</b> TYPE: BOPLAN IMPACT TEST VEHICLE WEIGHT: 3869 Kg / 8529.68 lbs SIZE (L x W x H): 3100 x 1100 x 1150 mm / 122 x 43.3 x 45.3 Inch CONTACT AREA, STEEL BUMPER WIDTH: 1000 mm / 39.4 Inch	<b>BOPLAN TEST LAB</b> Muizelstraat 12 8560 Moorsele Belgium  Approved by: <b>TÜV NORD Systems</b> PAS 13:2017 compliant   IL-FLIP200F-20230319	

<b>REQUIREMENTS</b>	
Concrete quality	minimum C25/30
Concrete floor plate thickness	minimum 150 mm
Operational temperature	-10°C up to +40°
Water and humidity	<b>Zinc coated fixations:</b> indoor and outdoor use in most environments

<b>SIZE</b>	
Height	205 mm
Profile section	205 mm x 174 mm (10 thick)
Standard rail length	1000 mm - 2000 mm - 3000 mm (other sizes: 500 - 2999 mm)

**Deflection curve**



See impact label for detailed information on the test conditions.

**REFERENCE LIST - FLIP200F**

	YELLOW/black	BLACK/Yellow
500mm (2fix)	PL2020-0500-0002YB	PL2020-0500-0002BY
750mm (2fix)	PL2020-0750-0002YB	-
950mm (2fix)	PL2020-0950-0002YB	-
1000mm (2fix)	PL2020-1000-0002YB	PL2020-1000-0002BY
1150mm (2fix)	PL2020-1150-0002YB	-
1350mm (2fix)	PL2020-1350-0002YB	-
1550mm (2fix)	PL2020-1550-0002YB	-
1750mm (2fix)	PL2020-1750-0002YB	-
2000mm (2fix)	PL2020-2000-0002YB	PL2020-2000-0002BY
3000mm (3fix)	PL2020-3000-0002YB	PL2020-3000-0002BY

	YELLOW/black	BLACK/Yellow
550-749mm (2fix)	PL2021-0749-0002YB	PL2021-0749-0002BY
750-2200mm (2fix)	PL2021-2200-0002YB	PL2021-2200-0002BY
2201-2999mm (3fix)	PL2021-2999-0002YB	PL2021-2999-0002BY

