

# FLIP200F

## KICK RAILS AND WHEEL STOPS



Revision: 2 April 2026 11:15 AM  
Boplan reference: PL2020...

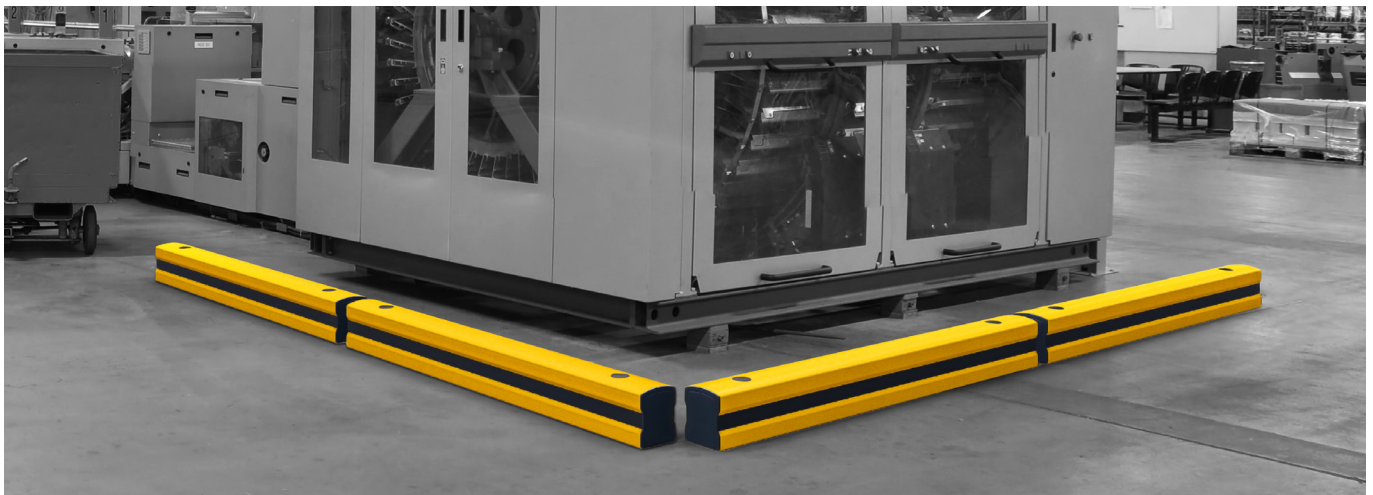


### PRODUCT SPECIFICATIONS


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* - Non conductive - Impervious to most chemicals**
Endcap	Sustainable elastomer
STANDARD COLORS	
Plinth	Yellow - Black / Black - Yellow

\*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.

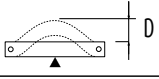


		FIXATIONS	
		ZC (Zinc coated)	SS (Stainless steel)
STANDARD	Concrete screw	 Ø17mm x 130mm	Not available
ALTERNATIVE	Wedge Anchor	 Ø18 (M12) x 130mm	Not available



**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	<b>24 kJ</b>	
E15 < 15 kJ		<b>17 kJ</b>
E12 < 12 kJ		
E10 < 10 kJ		
E7 < 7.5 kJ		
E5 < 5.0 kJ		
E2 < 2.5 kJ		
E1 < 1.0 kJ		

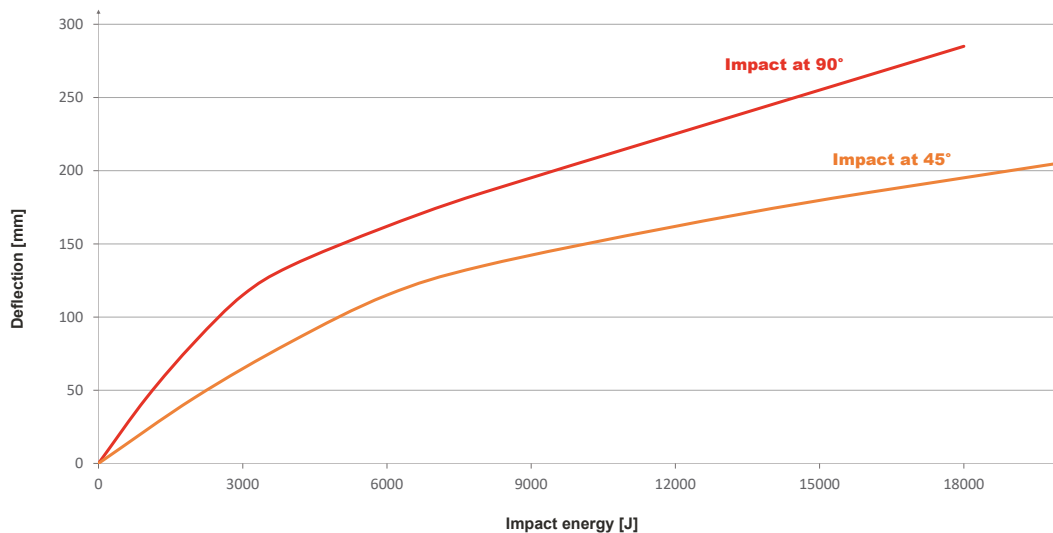
  

<b>IMPACT RESULTS</b> Deflection at 90°: 285 mm / 11.22 Inch At maximum impact energy		<b>SUCCESS CRITERIA</b> VEHICLE STOPPED ASI (ACCELERATION SEVERITY INDEX) < 0.5
<b>TEST CONDITIONS</b> TEMPERATURE: 20°C / 68°F IMPACT HEIGHT: 88 mm / 3.46 Inch → D: 285 mm / 11.22 Inch TEST FLOOR: CONCRETE SLAB C25/30 - 150 mm / 6 Inch FIXATION: CONCRETE SCREW Ø17 x 135 mm	<b>BOPLAN TEST CENTRE</b> Muizelstraat 12 8560 Moorsele Belgium 	Approved by: <b>TÜV NORD Systems</b> PAS 13:2017 compliant 
<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>IL-FLIP200F-20230319</b>	

REQUIREMENTS	
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

SIZE	
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**

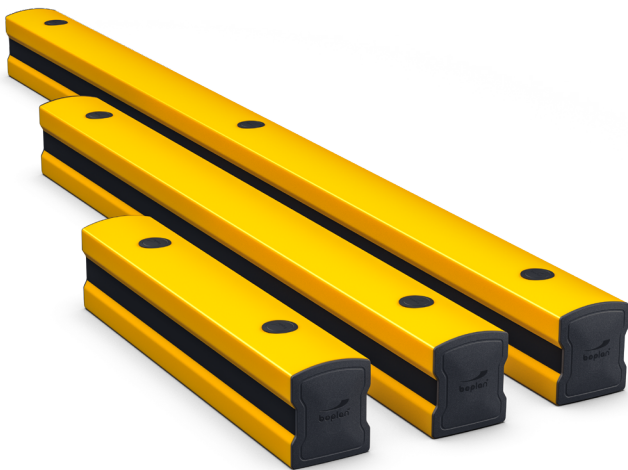
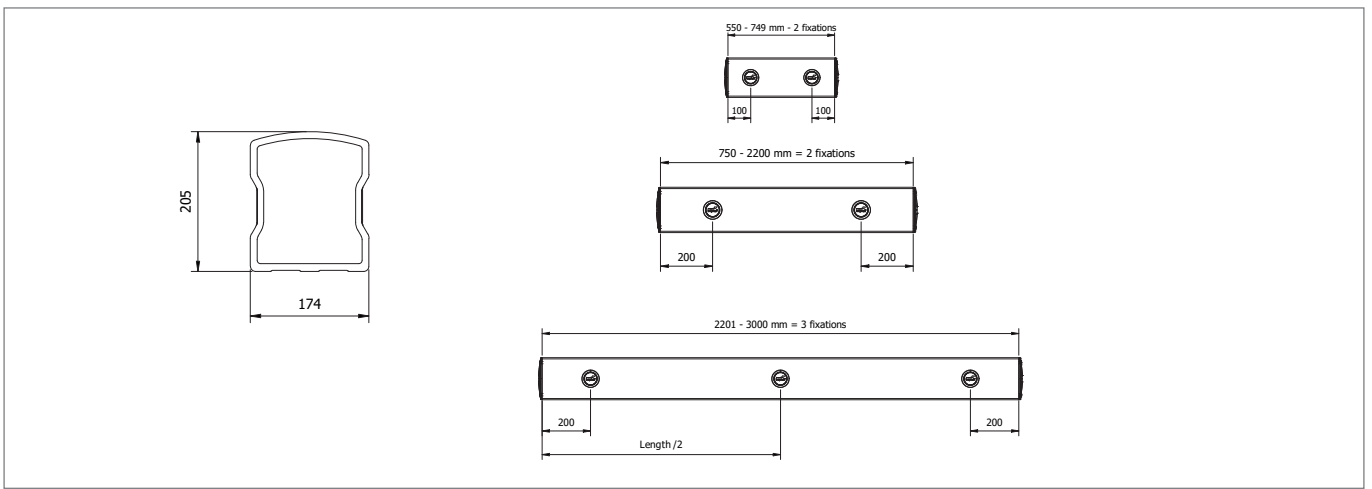


See impact label for detailed information on the test conditions.

**REFERENCE LIST - FLIP200F**

	YELLOW/Black	BLACK/Yellow
500mm (2fix)	PL2020-0500-0002YB	PL2020-0500-0002BY
1000mm (2fix)	PL2020-1000-0002YB	PL2020-1000-0002BY
2000mm (2fix)	PL2020-2000-0002YB	PL2020-2000-0002BY
3000mm (3fix)	PL2020-3000-0002YB	PL2020-3000-0002BY

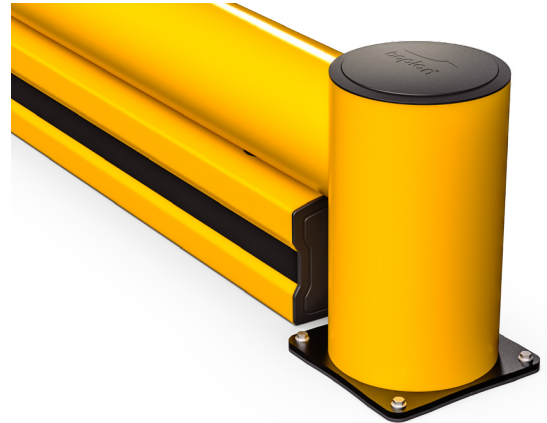
	YELLOW/Black	BLACK/Yellow
550-749mm (2fix)	PL2021-0749-0002YB	PL2021-0749-0002BY
750-2200mm (2fix)	PL2021-2200-0002YB	PL2021-2200-0002BY
2201-2999mm (3fix)	PL2021-2999-0002YB	PL2021-2999-0002BY



**FEATURES AND FUNCTIONALITY - FLIP200F - TB BASE SPACER**

**APPLICATION**

Environment	The TB Base Spacers are specifically designed to fit underneath the end-and mid-posts of the TB400 series. By raising the baseplates, it creates additional space beneath the tube, allowing you to seamlessly integrate the FLIP200F, expanding the's functionality.
Compatibility	TB400 - series



**REFERENCE LIST**

PL0099-0180-0180BLPE	TB Base Spacer - TB400 MP - 180x180mm - Black - HDPE
PL0099-0275-0275BLPE	TB Base Spacer - TB400 EP - 275x275mm - Black - HDPE
PL0099-0300-0220BLPE	TB Base Spacer - TB400 MP - 300x220mm - Black - HDPE
PL0099-0320-0275BLPE	TB Base Spacer - TB400 EP - 320x275mm - Black - HDPE

