

FLIP180B

KICK RAILS AND WHEEL STOPS





Revision: 4 November 2024 8:46 AM
Boplan reference: PL181B...

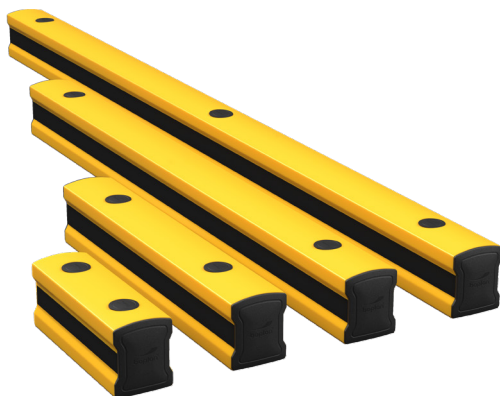
PRODUCT SPECIFICATIONS

| APPLICATION | |
|------------------|---|
| Environment | Ground level protection - 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 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 |
| | Anchor rod (Chemical) |  M16 x 120mm + Chemical resin | M16 x 120mm + Chemical resin |
| ALTERNATIVES | Wedge Anchor |  M16 x 140mm | Not available |
| | Asphalt anchor |  Bolt M16 x 50mm + Screw Ø22 x 100mm | Not available |



FEATURES AND FUNCTIONALITY - FLIP180B

| SIZE | |
|----------------------|--|
| Height | 180 mm |
| Profile section | 180 mm x 150 mm (10 thick) |
| Standard rail length | 1000 mm - 2000 mm - 3000 mm (other sizes: 500 - 2999 mm) |

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

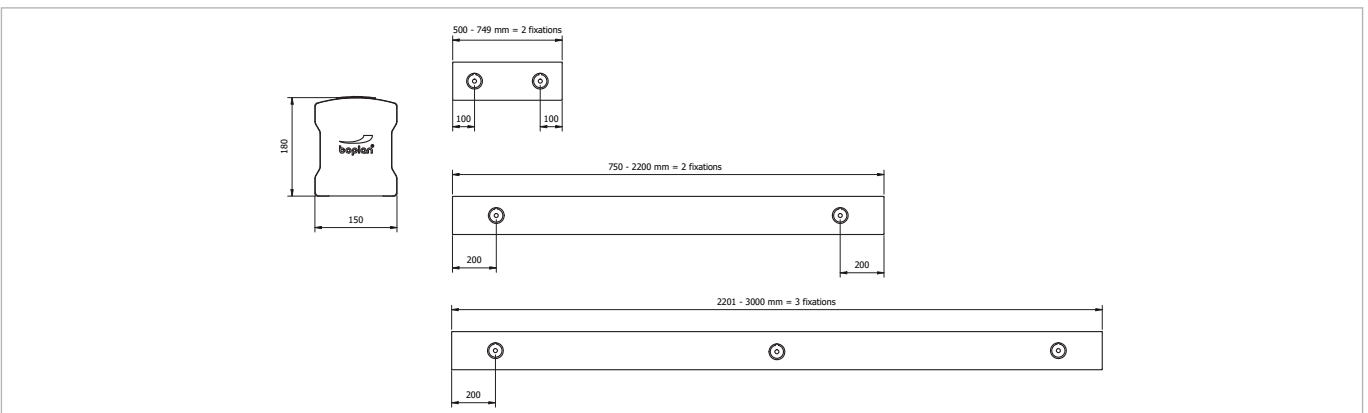
boplan **IMPACT LABEL FOR SAFETY BARRIERS**

| BOPLAN FLIP180B | | |
|--------------------|----------------|---------------|
| IMPACT RATING | 45° | 90° |
| E50 > 50 kJ | | |
| E40 > 40 kJ | | |
| E30 > 30 kJ | | |
| E25 > 25 kJ | | |
| E20 > 20 kJ | | |
| E15 > 15 kJ | | |
| E12 > 12 kJ | | |
| E10 > 10 kJ | 10.3 kJ | 8.1 kJ |
| E7 > 7.5 kJ | | |
| E5 > 5.0 kJ | | |
| E2 > 2.5 kJ | | |
| E1 > 1.0 kJ | | |

| | |
|--|---|
| IMPACT RESULTS Deflection: D = 250 mm / 9.84 inch At maximum impact energy | SUCCESS CRITERIA VEHICLE STOPPED ASI (ACCELERATION SEVERITY INDEX) < 0.5 |
| TEST CONDITIONS TEMPERATURE: 20°C / 68°F IMPACT HEIGHT: 88 mm / 3.46 Inch -> D: 250 mm / 9.84 Inch TEST FLOOR: CONCRETE SLAB C25/30 - 150 mm / 6 Inch | BOPLAN TEST LAB Muizelstraat 12 8560 Moorsele Belgium |
| TEST VEHICLE: TYPE: BOPLAN IMPACT TEST VEHICLE WEIGHT: 3775 Kg / 8322.45 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-PL181-20240711

| REFERENCE LIST - FLIP180B | | |
|---------------------------|---------------------|---------------------|
| | YELLOW/Black | BLACK/Yellow |
| 500mm (2fix) | PL181B0-0500-0002YB | PL181B0-0500-0002BY |
| 750mm (2fix) | PL181B0-0750-0002YB | - |
| 950mm (2fix) | PL181B0-0950-0002YB | - |
| 1000mm (2fix) | PL181B0-1000-0002YB | PL181B0-1000-0002BY |
| 1150mm (2fix) | PL181B0-1150-0002YB | - |
| 1350mm (3fix) | PL181B0-1350-0002YB | - |
| 1550mm (3fix) | PL181B0-1550-0002YB | - |
| 1750mm (3fix) | PL181B0-1750-0002YB | - |
| 2000mm (3fix) | PL181B0-2000-0002YB | PL181B0-2000-0002BY |
| 3000mm (4fix) | PL181B0-3000-0002YB | PL181B0-3000-0002BY |
| 550-749mm (2fix) | PL181B1-0749-0002YB | PL181B1-0749-0002BY |
| 751-2200mm (3fix) | PL181B1-2200-0002YB | PL181B1-2200-0002BY |
| 2201-2999mm (4fix) | PL181B1-2999-0002YB | PL181B1-2999-0002BY |



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