

# TB 260 PLUS FENCE BOPLAN SAFETY BARRIER SPECIFICATION SHEET







Boplan reference: TF2600- ...  
Revision: 11 October 2021 3:30 PM

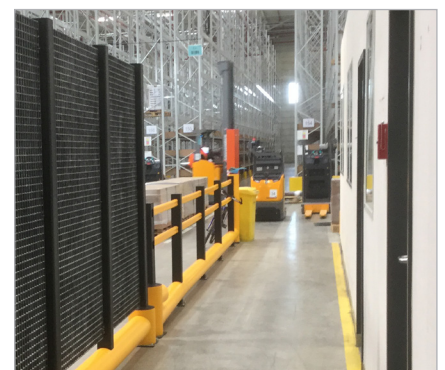
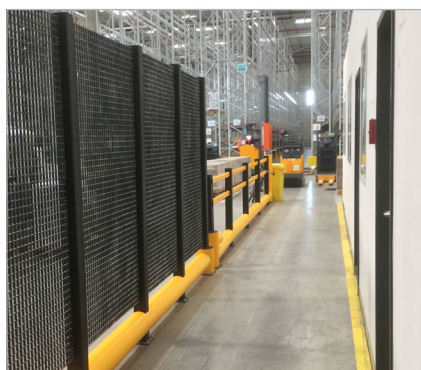


## PRODUCT SPECIFICATIONS

| APPLICATION                          |   |
|--------------------------------------|---|
| Environment                          | TB 260 Plus Fence provides an effective low to the ground crash protection with machine guard fencing. The low centre of gravity prevents goods or pallets sliding under the barrier. |
| Impact performance at 90° (in JOULE) | POST: 12000 Joule (Eq. to 5ton - 7.9 km/h)  |
|                                      | RAIL: 21200 Joule (Eq. to 5ton - 10.5 km/h)   |
| MATERIAL                             |   |
| Posts                                | Polyolefin - UV resistant - Fire class E <sup>+</sup> - Non conductive - Impervious to most chemicals <sup>**</sup>   |
| Mesh                                 | Glass fiber reinforced composite  |
| STANDARD COLORS                      |   |
| End post                             | Yellow  |
| Mid post                             | Yellow  |
| Impact tube                          | Yellow  |
| Mesh                                 | Black   |
| BASEPLATES                           |   |
|                                      | Steel   |
| Material                             | Steel 37  |
| Coating                              | Lacquered   |
| Color                                | High gloss black  |

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

|              |                          | FIXATIONS   |                              |
|--------------|--------------------------|---|------------------------------|
|              |                          | ZC (Zinc coated)  | SS (Stainless steel)         |
| STANDARD     | Wedge anchor             |  M12 x 120mm                   | M12 x 120mm                  |
|              | Wedge anchor Countersunk |  Not available                 | Not available                |
|              | Anchor rod (Chemical)    |  M12 x 120mm + Chemical resin  | M12 x 120mm + Chemical resin |
| ALTERNATIVES | Concrete screw           |  Ø12mm x 100mm                 | Ø10mm x 100mm                |
|              | Asphalt anchor           |  Bolt M10 x 40mm + Screw Ø16mm | Not available                |
|              | Spit anchor              |  Bolt M12 x 100mm + Plug Ø20mm | Not available                |



## FEATURES AND FUNCTIONALITY

| SIZE                      |  |
|---------------------------|--|
| Height end posts          | 2300 mm  |
| Height mid post           | 2300 mm  |
| Profile section tubes     | Ø200 mm (11 mm thick)  |
| Mesh                      | 1220 mm x 1800 mm (13mm thick)<br>Mesh inner dimension 33 mm x 33 mm                             |
| Profile section end posts | Outer tube: Ø250 mm (11 mm thick)<br>Inner profile: 112 mm x 112 mm (10 mm thick)                |
| Profile section mid posts | Profile: 112 mm x 112 mm (10 mm thick)   |
| Standard rail length      | 1350 mm (center - center dimension)<br>Other sizes: 850 mm - 1349 mm (center - center dimension) |
| Baseplate                 | End Post: 275 mm x 275 mm x 10 mm<br>Mid Post: 180 mm x 180 mm x 10 mm                           |

| REQUIREMENTS                              |   |
|---|---|
| Concrete quality                          | minimum C25/30  |
| Concrete floor plate thickness (mm)       | minimum 150 mm  |
| Concrete slab dimension around posts (mm) | 600 (h) x 600 (w) x 300 (d)   |
| Operational temperature                   | -10°C up to +40°C   |
| Water and humidity                        | <b>Steel</b> (standard): dry indoor use only.<br><b>Zinc coated:</b> outdoor use in most environments.<br><b>Stainless Steel:</b> outdoor use or frequent exposure to water and humidity. |

| COMPLIANCE MESH           |   |
|---------------------------|---|
| Machine directive         | The narrow mesh size allows a close safety distance of 200mm towards the danger. (According machine directive 2006/42/EC) |
| Impact resistance of mesh | Static point load of 450 N gives a maximum deflection of 15.7 mm.   |

### IMPACT LABEL FOR SAFETY BARRIERS

| BOPLAN TB260 PLUS FENCE | 45°            | 90°<br><small>PAS 13:2017 compliant</small> |
|-------------------------|----------------|---|
| <b>IMPACT RATING</b>    |                |   |
| E80 < 80 kJ             |                |   |
| E60 < 60 kJ             |                |   |
| E50 < 50 kJ             |                |   |
| E40 < 40 kJ             |                |   |
| E35 < 35 kJ             | <b>30,0 kJ</b> |   |
| E30 < 30 kJ             |                |   |
| E25 < 25 kJ             |                | <b>21,2 kJ</b>                              |
| E20 < 20 kJ             |                |   |
| E15 < 15 kJ             |                |   |
| E10 < 10 kJ             |                |   |
| E5 < 5,0 kJ             |                |   |
| E2 < 2,5 kJ             |                |   |

**TEST CONDITIONS**

TEMPERATURE: 20°C  
IMPACT HEIGHT: 160 mm  
IMPACT ANGLE: 90°  
TEST FLOOR: CONCRETE C25/30 - 160 mm  
MANUFACTURER ANCHOR PULL OUT: 7,9 kN

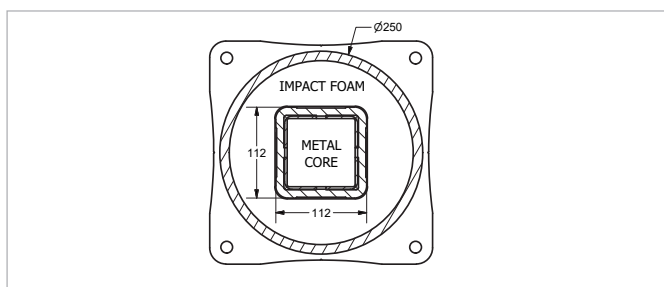
**TEST VEHICLE**

WEIGHT: 2300 KG  
TYPE: COMMERCIAL FORK LIFT  
SIZE (L x W x h): 1890 x 1020 x 1970 mm  
CONTACT AREA: STEEL BUMPER WIDTH: 600 mm

**ACCREDITED TEST LABORATORY**

620 Route des Fromentaux  
01500 Saint-Maurice-de-Rémens  
01360 Beligneux  
France

**SUCCESS CRITERIA** VEHICLE STOPPED - ASI (ACCELERATION SEVERITY INDEX) < 0.5



**REFERENCE LIST - TB260 PLUS FENCE**

| POSTS                             |                   |  |
|-----------------------------------|-------------------|--|
| End post - YE                     | TF2600-0001-EPYE  |  |
| End Corner post - YE - 90° - Up   | TF2600-0001-CPUYE |  |
| End Corner post - YE - 90° - Down | TF2600-0001-CPDYE |  |
| Mid post - YE                     | TF2600-0001-MPYE  |  |

| CURVES                                     |                    |  |
|--|--------------------|--|
| Conn.tube Ø250mm - 90°<br>Curve 350mm - YE | TF2600-0350-C259YE |  |

| RAIL SETS     |                 |               |                    |
|---------------|-----------------|---------------|--------------------|
|               | Tube length (A) | CC length (B) | REFERENCE          |
| Standard rail | 650 mm          | 900 mm        | TF2600-0650-0900YE |
| Standard rail | 800 mm          | 1050 mm       | TF2600-0800-1050YE |
| Standard rail | 950 mm          | 1200 mm       | TF2600-0950-1200YE |
| Standard rail | 1100 mm         | 1350 mm       | TF2600-1100-1350YE |