



**READY  
FOR  
IMPACT**



# HANDRAILS

**PROTECT PEOPLE AND MACHINERY  
AGAINST FALLING OBJECTS,  
FORKLIFTS AND OTHER VEHICLES**



# HANDRAILS



## PROTECT PEOPLE AND MACHINERY AGAINST FALLING OBJECTS, FORKLIFTS AND OTHER VEHICLES

Boplan's FLEX IMPACT® handrails provide a clear, logical separation between people and vehicles. Our flexible handrails are available in three versions, from light to heavy duty. You can also choose between two or three rails. All of our handrails are manufactured from high-quality polymer Extrilene®.

From handrails as the perfect complement to floor marking tape to guardrails for mezzanines and heights. From fencing for cost-effective machine guarding and pedestrian protection to reinforced pedestrian separation and perimeter fencing for high-traffic areas. Or even as protection against falling objects and stacked goods. We have a handrail for every application.



### ICE FLEX®

The HP PLUS 3 RAILS ICE FLEX® handrail is also available in a version for use at temperatures below freezing down to -30°C.

**DEFINE PEDESTRIAN AREAS AND PREVENT ACCIDENTS**

## KEY FEATURES AND BENEFITS



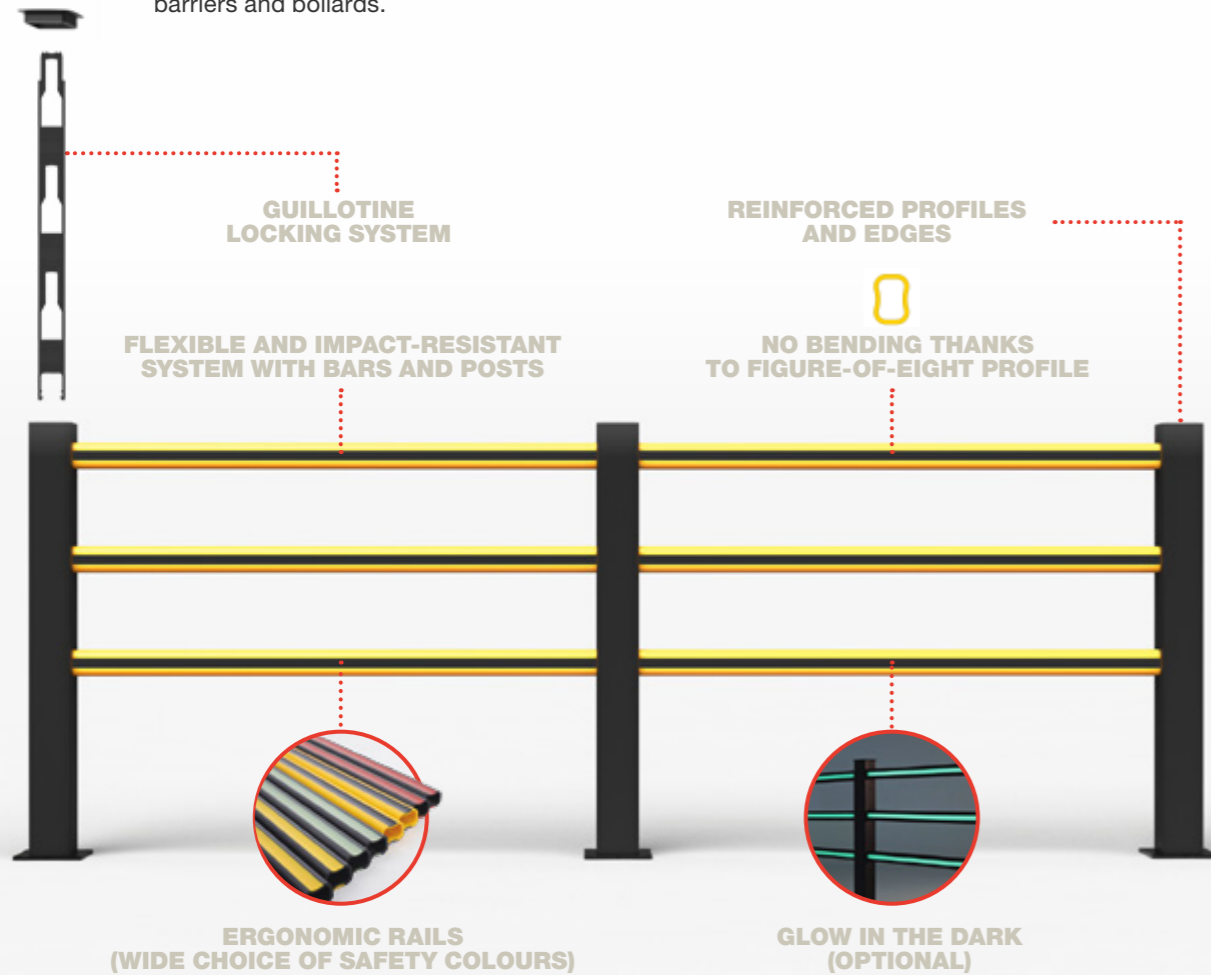
### IMPACT RESISTANCE AND FLEXIBILITY

Our products are made of high-quality EXTRILENE® polymer. This material is ideal for absorbing heavy impacts. The handrail flexes with each collision, but resumes its original shape once the vehicle has gone.



### FOR INDOOR AND OUTDOOR USE

FLEX IMPACT® handrails provide a multifunctional rail system for both indoor and outdoor use. In addition to providing a clear demarcation of walkways, these handrails are often used as a fall protection system for safe work at height on mezzanine floors or work platforms. They are also suitable for protecting people from poorly stacked goods or falling objects. In addition, you can easily connect the safety barriers to other FLEX IMPACT® safety products such as safety gates, safety barriers and bollards.



### EASY INSTALLATION DUE TO MODULAR DESIGN

Our handrails are made with as few components as possible. You don't need screws or bolts to secure these components. All parts slide or click together. This allows a certain degree of freedom of movement. And that's a very good thing, because a rigid lock increases the risk of breakage on impact. Moreover, the polymer components are lightweight, making them easy to handle and transport.



### RESISTANCE TO CHEMICALS AND UV RADIATION

Our weather-resistant handrails are resistant to chemicals and do not rust. They are perfect for environments where the use of chemicals is common and strict hygiene standards apply. Bacteria do not adhere to the polymer and it is easy to clean.



### OPTIMAL VISIBILITY

Our polymer handrails and railings are also available with a glow-in-the-dark feature. These railings have luminescent striping that absorbs light during the day. As darkness falls in the evening or in the event of a power failure, these glow-in-the-dark handrails gradually release the absorbed light for up to half an hour. This is more than enough time to find an exit in the dark.



Read the full case online



**HP PLUS with luminescent striping at ArcelorMittal warehouse (Belgium).**



### LOW MAINTENANCE

FLEX IMPACT® handrails require little to no maintenance. With proper use, our systems last a very long time.

## TYPICAL ENVIRONMENTS

For the protection of people against forklifts, machines and falling goods in:

- Warehouses and storage facilities
- Distribution centres
- Transport & logistics centres
- Food industry
- Parking facilities
- Logistics, supply chain and material handling industries
- Petrochemical and chemical industries
- Aviation



**“ We were looking for high-quality safety devices to keep pedestrians safe at our modern production site. Boplan polymer solutions have made our pedestrians feel safer and clarified the layout of our production centre. ” – Velux**



Read the full case online



## HANDRAILS TO GUIDE PEDESTRIANS AND SEPARATE TRAFFIC FLOWS

### HD LIGHT



Employees and visitors often overlook safety rules. A physical barrier like the FLEX IMPACT® HD LIGHT forces them to stay on the walkway and prevents accidents. Handy, modular and easy to install.



### HP PLUS 2 RAILS 3.50 kJ



FLEX IMPACT® HP PLUS has 2 or 3 rails to shield pedestrians in high-traffic zones. Sturdy posts give this handrail model an impact resistance of 3.5 kJ to 5.5 kJ. HP PLUS guarantees pedestrian safety.



Available with removable base plates

### HP PLUS 3 RAILS 5.50 kJ



Available with removable base plates



### HP GRILL 5.50 kJ



FLEX IMPACT® HP GRILL handrails protect people from falling objects. The barrier ensures a clear separation between people and (stacked) goods. Depending on the size of the goods, choose a set-up with 275 mm or 550 mm of space between the rails. The HP GRILL has a maximum height of 2,800 mm. Also suitable for use on mezzanines.



For more information, visit [boplan.com](http://boplan.com)



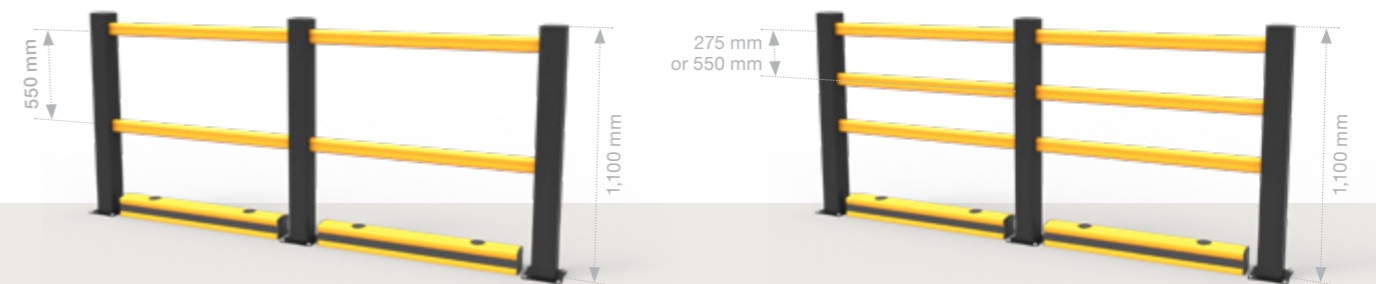
## HP PLUS 3 RAILS

### HP PLUS 2 RAILS OR 3 RAILS + FLIP120L



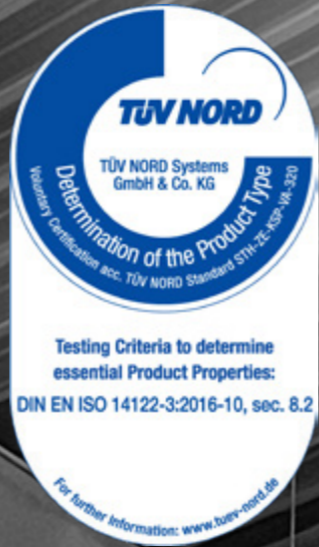
#### An integrated setup for multi-level safety

By combining different products, you create solutions that offer greater functionality, stronger protection and a layout that adapts to your operational needs.



A clear illustration of this added value is the combination of an HP PLUS 2 RAILS or 3 RAILS handrail with a FLIP120L kick rail. Together, they create a robust barrier that not only defines safe pedestrian zones but also reinforces ground-level impact protection where vehicles operate.

The handrails provide highly visible separation and guidance for foot traffic, while the FLIP120L absorbs low-level bumps (4.2 kJ) from pallets, trolleys or forklift forks. By integrating both, you enhance safety on multiple levels with a single, coherent solution.



# HD MEZZA

For more information, visit [boplan.com](http://boplan.com)

## FLEX IMPACT® HANDRAILS

### HANDRAIL WITH PLINTH AS FALL PROTECTION

The FLEX IMPACT® HD MEZZA railing ensures the safety of people working at height. An impact-resistant plinth at floor level prevents people and objects from sliding through under the railing.



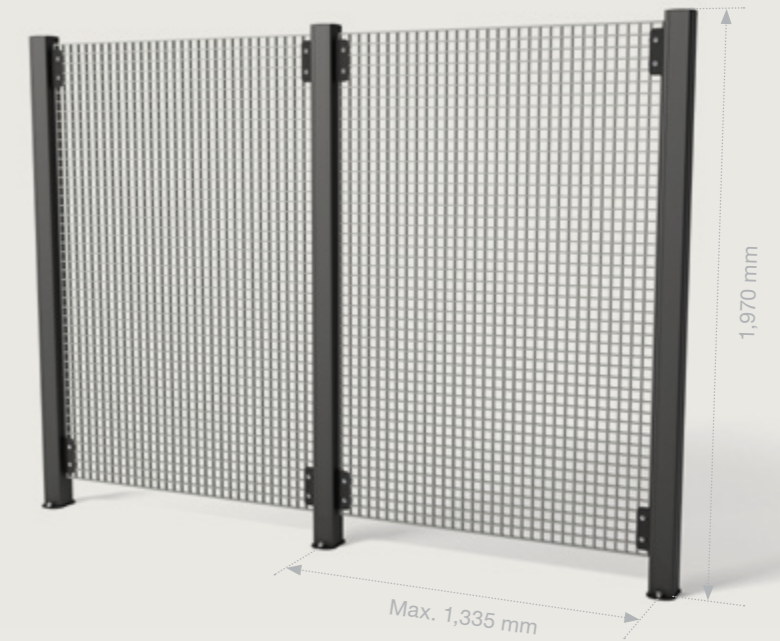
#### HD MEZZA



## PROTECTING PEOPLE FROM MACHINERY

Protect your workforce and shield machinery with the FLEX IMPACT® FE FENCE. This protective fencing creates a sturdy physical barrier that keeps pedestrians at a safe distance and helps prevent accidental contact with equipment if someone trips or falls nearby.

As a cost-effective alternative to metal handrails, FE FENCE is made from glass-fibre-reinforced polymer that gives the fence a certain degree of flexibility. It also resists corrosion, chemicals and other forms of environmental pollution. The material is non-conductive, so it's safe to use around high-voltage installations.



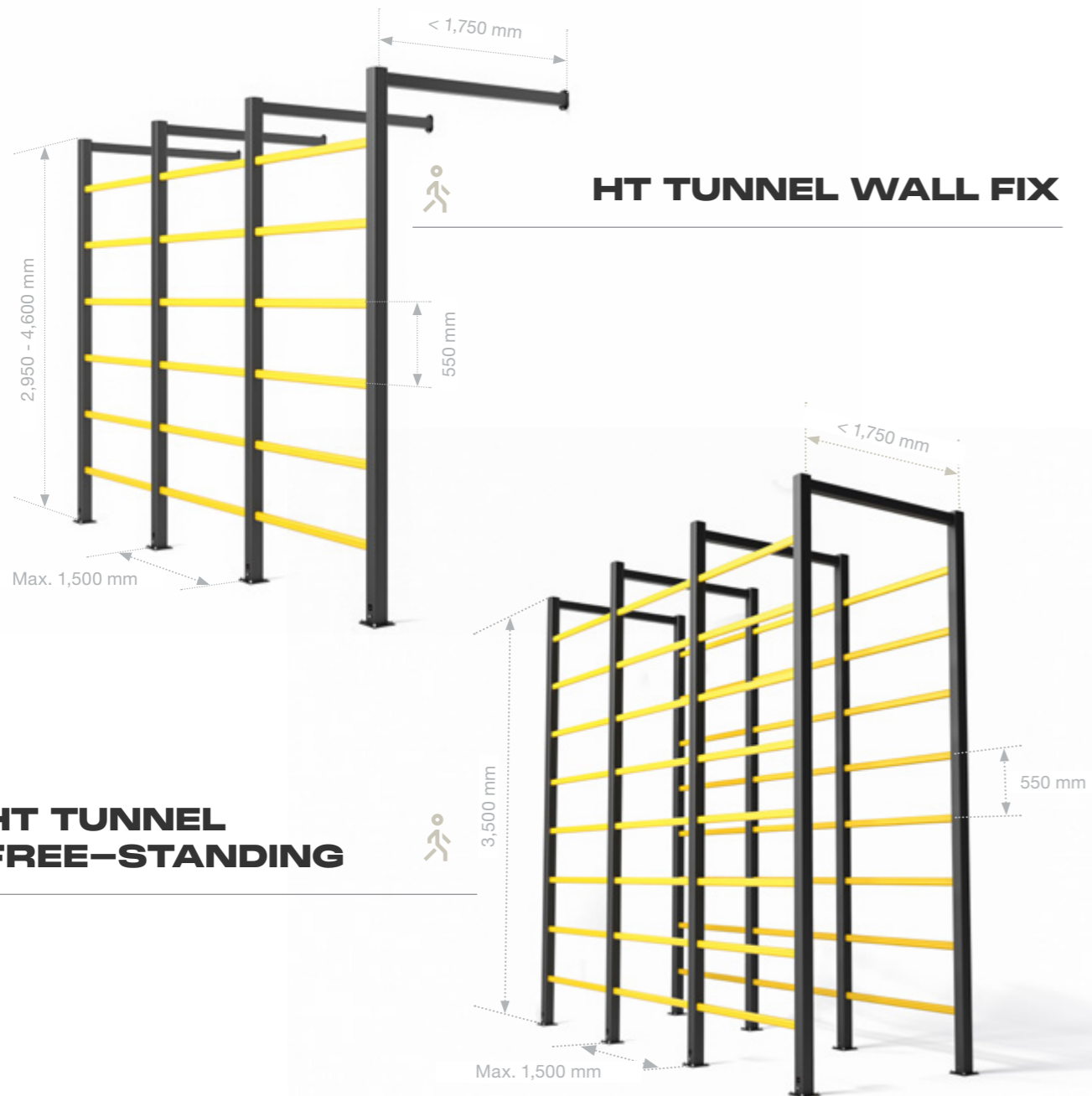
#### FE FENCE



## SECURED WALKWAYS AGAINST FALLING OBJECTS

The FLEX IMPACT® HT TUNNEL protects pedestrians by creating a safe passageway between stacks of goods or between stacked goods and a wall.

The flexible barriers prevent falling objects from hitting pedestrians. The free-standing tunnel is easy to install wherever you want to protect people from falling objects. HT TUNNEL WALL FIX is secured to a wall on one side. It is the ideal solution for walkways that run along a wall.



**HT TUNNEL  
WALL FIX**



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### **BOPLAN HQ**

Muizelstraat 12  
8560 Moorsele, Belgium  
+32 56 20 64 20  
info@boplan.com

### **BOPLAN UK**

Science Centre, Wolverhampton Science Park  
Glaisher Drive, Wolverhampton WV10 9RU  
+44 1902 82 4280  
info@boplan.co.uk

### **BOPLAN USA**

4350 W. White Road, St 300  
Flowery Branch, GA 30542  
+1 678-890-5906  
info@boplan.us

### **BOPLAN DEUTSCHLAND**

IHP-Nord · Babenhäuser Str. 50  
63762 Großostheim  
+49 6026 999 51 90  
info@boplan.de

### **BOPLAN FRANCE**

617, Avenue de Bayonne  
64210 Bidart  
+33 (0)5 35 45 75 35  
info@boplan.fr

### **BOPLAN ESPAÑA**

Carrer d'Aragó 208, 2o 6a  
08002 Barcelona  
+34 936 81 66 88  
info@boplan.es

### **BOPLAN NEDERLAND**

Toermalijnring 100  
3316 LC Dordrecht  
+31 85 13 07 500  
info@boplan.nl

### **BOPLAN POLSKA**

Ul. Graniczna 34B / U16  
41-300 Dąbrowa Górnicza  
+48 32 224 74 85  
info@boplan.pl

### **BOPLAN ITALIA**

Via Privata Maria Teresa 7  
20123 Milano  
+39 02 81287168  
info@boplan.it

### **BOPLAN JAPAN**

4F Matsuoka II Building,  
1-2-11 Nijyooji Minami  
Nara City, Nara 630-8012  
+81 (0)742-93-8705  
info@boplan.co.jp

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