



Est 1990

Upright protector

This upright protector fits all commonly used rack upright profiles and slot patterns. With its energy absorbing design it distributes collision forces without reducing the clear entry access to racking bays. It is easy to install and replace when needed. This impact protection are tested in accordance with FEM guidance.



Models

ARTICLES / DESCRIPTION	MIN WIDTH (MM)	MAX WIDTH (MM)	HEIGHT (MM)	OTHER
 RG-AVB RAL 1023	79	92	500	Minimum order quantity: 21
 RG-AVC RAL 1023	92	105	500	Minimum order quantity: 18
 RG-AVD RAL 1023	105	118	500	Minimum order quantity: 18

Related products

IMPACT BARRIERS

Impact



Use the X-Protect Impact Barrier for ground level impact protection. It is ideal for segregating light weight vehicles or defining warehouse zones. Our modular rails and bollards allow for damaged...

[15 articles](#)

X-PROTECT

X-Guard Connection bollards



Use our X-Protect bollards to protect doorways, exposed corners and machinery. The black and yellow bollards also attract the fork lift driver's attention and act as guidance along traffic routes....

[12 articles](#)

COLUMN GUARDS

X-protect Column guard



Use the X-Protect Column Guard when you need to protect the columns in your facility from impact damage. The unique design features specially formed air channels that effectively dissipate impact f...

[1 articles](#)

X-PROTECT

Bollards

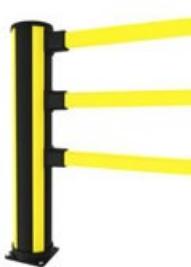


X-Protect Bollards safeguard corners, doorways and equipment from vehicle impacts. The black and yellow colour scheme enhances visibility and helps direct forklift traffic, creating safer, well-org...

[11 articles](#)

CLASSIC PEDESTRIAN BARRIERS

Pedestrian



Use the X-Protect Pedestrian barrier configuration to define pedestrian routes and protect from light duty impacts. It is also possible to combine with a pedestrian gate. The pedestrian gate is sel...

[12 articles](#)

X-Protect components

These are the building blocks of our modular Impact Protection range.

BARRIERS & RAILS

Hand Rails



Width x Height:

68 x 72 mm | 2 11/16" x 2 27/32"

Length:

270 - 1770 mm | 10 5/8" - 69 11/16"

Impact Barriers



Width x Height:

116 x 220 mm | 4 9/16" x 8 21/32"

Length:

270 - 2770 mm | 10 5/8" - 109 1/16"

POSTS & BOLLARDS



Classic

4 connection sides

Height:
350 -
1160 mm

Width:
200 mm
7 7/8"

13 13/16" -
45 11/16"



Essential

2 connection sides

Height:
620 -
1170 mm

Width:
132 mm
5 3/16"

Height:
620 -
1170 mm

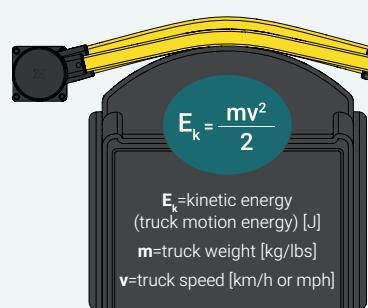
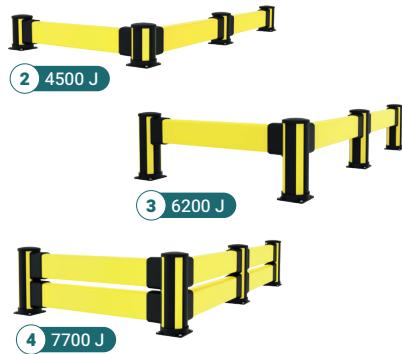
Width:
24 7/16" -
46 1/16"

13 13/16" -
45 11/16"

X-Protect Standard Configurations

+ the highest impact energy (J) they are capable of withstanding*

* The highest force depends on the C-C. More information is available upon request.



Impact testing

This is how we calculate the energy from a vehicle impact.



Speed	Load
6 km/h 3.7 mph	5020 J
8 km/h 5 mph	8880 J
12 km/h 7.5 mph	19960 J



Speed	Load
6 km/h 3.7 mph	3770 J
8 km/h 5 mph	6660 J
12 km/h 7.5 mph	14970 J



Speed	Load
6 km/h 3.7 mph	2930 J
8 km/h 5 mph	5180 J
12 km/h 7.5 mph	11670 J

Component Colours

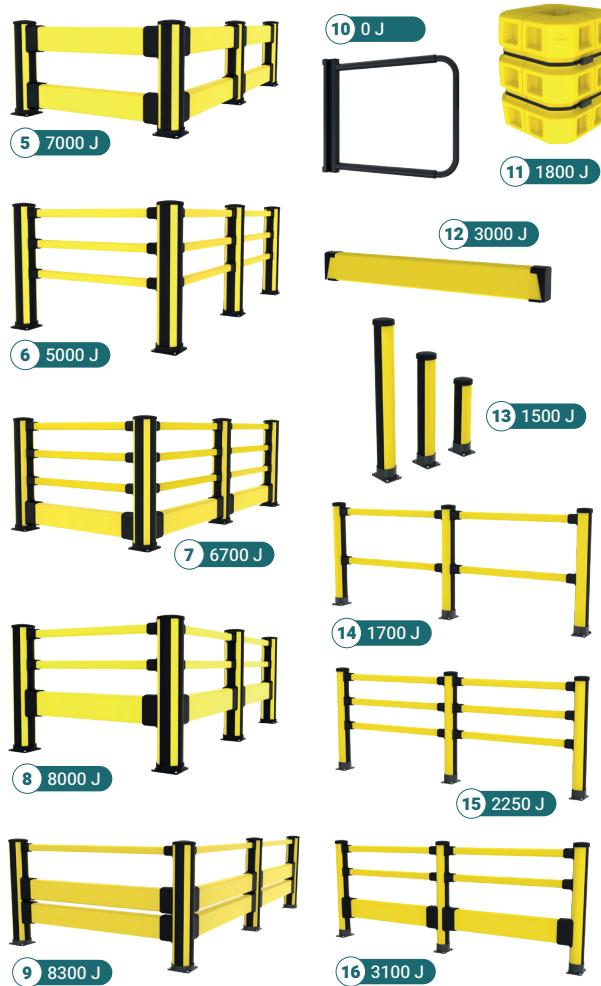
Yellow: RAL 1018 Black: RAL 9011

Operating temperature

-10°C → 40°C



1. Bollards
2. Impact
3. Impact High
4. Double Impact Low
5. Double Impact High
6. Pedestrian
7. Pedestrian + Impact
8. Pedestrian + Impact High
9. Pedestrian + Double Impact
10. Pedestrian Gate
11. Column Guard
12. Floor Barrier*
13. Essential Bollards
14. Essential Pedestrian 2 rail
15. Essential Pedestrian
16. Essential Pedestrian + Impact High



* The Floor Barrier can be used in combination with configurations:
3, 6, 8 & 9