



Est 1990

# Adjustable column guard

Unique column protector made from a highly flexible and tough low density polyethylene. Supplied in four sections with plastic cross members that can be cut to fit on site, with sizes from 200mm to 700mm. The column protector is easily assembled and requires no fixings to the floor. Stainless steel screws are supplied as standard.



## Models

### ARTICLES / DESCRIPTION



AG-CPU700  
RAL 1003

## Related products

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**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](#)

## 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

Width:  
200 mm  
7 7/8"

Height:  
350 -  
1160 mm  
13 13/16" -  
45 11/16"



#### Essential

2 connection sides

Width:  
132 mm  
5 3/16"

Height:  
620 -  
1170 mm  
24 7/16" -  
46 1/16"

Height:  
350 -  
1160 mm  
13 13/16" -  
45 11/16"

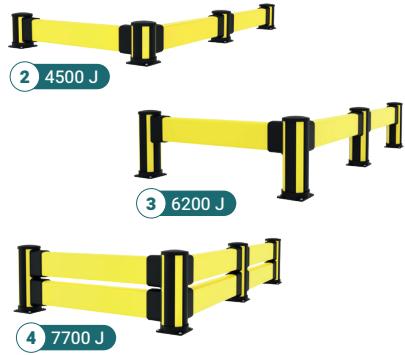
## X-Protect Standard Configurations

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

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



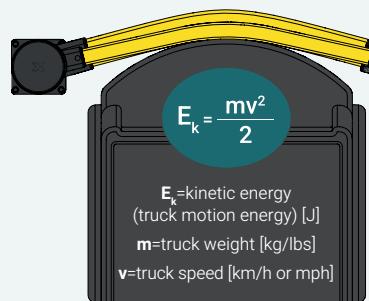
1 5250 J



2 4500 J

3 6200 J

4 7700 J



$$E_k = \frac{mv^2}{2}$$

$E_k$ =kinetic energy  
(truck motion energy) [J]  
 $m$ =truck weight [kg/lbs]  
 $v$ =truck speed [km/h or mph]

## Impact testing

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



Loaded weight  
**3600 kg /  
7930 lbs**



Loaded weight  
**2700 kg /  
5940 lbs**



Loaded weight  
**2100 kg /  
4620 lbs**

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

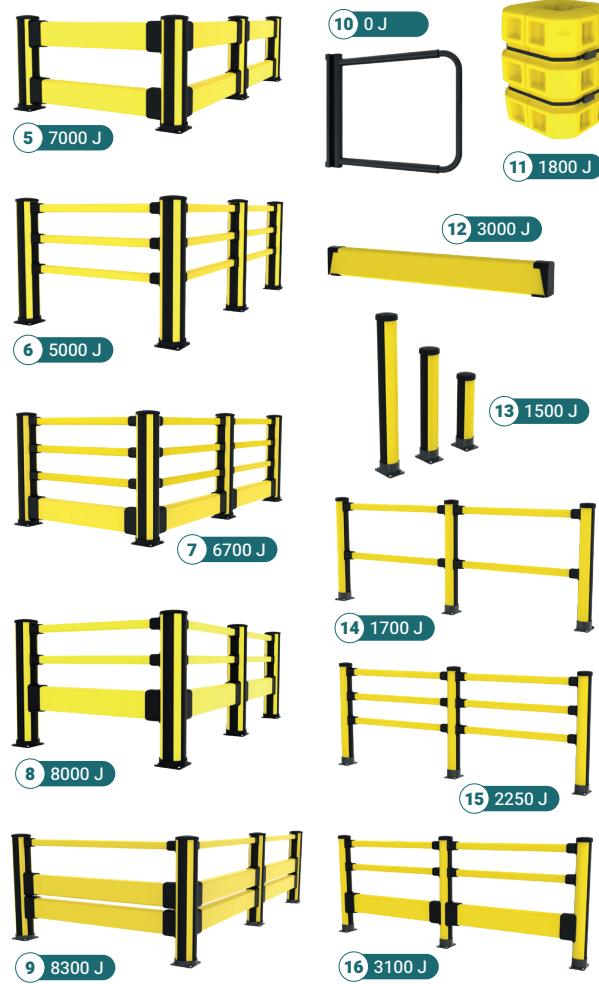
Yellow RAL 1018 Black RAL 9011

### 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**