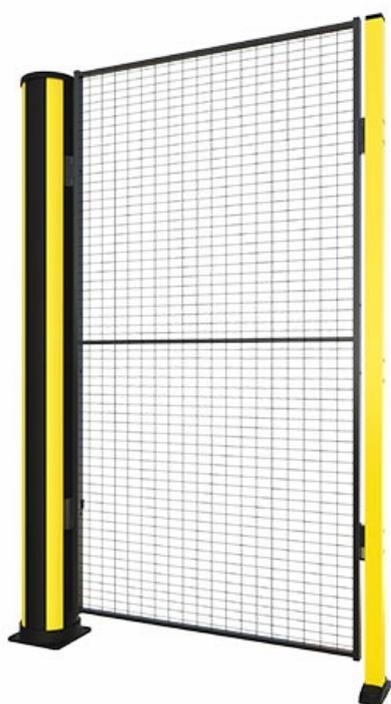


# Dissuasori per ripari macchina

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. If you have our machine guard system X-Guard installed, it is easy to integrate it with our X-Protect range.

The connection bollard comes in three heights to fit our most common panel options. Following on from the bollard you can then choose any configuration of X-Protect.



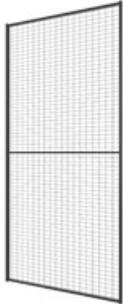
X-Protect è un approccio unico alle barriere di sicurezza. Modularità senza pari utilizzando solo pochi componenti di sistema e lo smorzamento integrato per creare un sistema a barriera che si adatta al posto di lavoro. X-Protect consente attività rapide di trasformazione, riparazione o sostituzione delle barriere esistenti e le configurazioni su misura sono illimitate.

# Modelli

| ARTICOLI / DESCRIZIONE  | LARGHEZZA (MM) | ALTEZZA (MM) | COLORE  |
|---|----------------|--------------|---|
|  <b>BCP0-230-0000</b><br>Bollard             | 200            | 2300         | Zinc Yellow (RAL 1018)<br>Graphite Black (RAL 9011) |
|  <b>BCP0-200-0000</b><br>Bollard             | 200            | 2000         | Zinc Yellow (RAL 1018)<br>Graphite Black (RAL 9011) |
|  <b>BCP1-200-0000</b><br>Bollard             | 200            | 2000         | Zinc Yellow (RAL 1018)                              |
|  <b>BCP0-140-0000</b><br>Bollard             | 200            | 1400         | Zinc Yellow (RAL 1018)<br>Graphite Black (RAL 9011) |
|  <b>BCP1-140-0000</b><br>Bollard             | 200            | 1400         | Zinc Yellow (RAL 1018)                              |
|  <b>CCS3-230-XGC</b><br>X-Guard Connection  |                | 2300         | Graphite Black (RAL 9011)                           |
|  <b>CCS3-200-XGC</b><br>X-Guard Connection |                | 2000         | Graphite Black (RAL 9011)                           |
|  <b>CCS1-200-XGC</b><br>X-Guard Connection |                | 2000         | Zinc Yellow (RAL 1018)                              |
|  <b>CCS3-140-XGC</b><br>X-Guard Connection |                | 1400         | Graphite Black (RAL 9011)                           |

## Prodotti correlati

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### PANELS

#### Rete

I pannelli in rete X-Guard sono disponibili con due diverse misure di rete: premium 50x20 mm e classic 50x30 mm. La dimensione della rete necessaria è determinata dalla distanza di sicurezza. L'opz...

75 articoli



### X-PROTECT IMPACT PROTECTION

#### Barriera di impatto

Utilizzare la Barriera di impatto per la protezione dagli impatti a livello del suolo. È la soluzione ideale per separare veicoli leggeri o definire zone del magazzino. Le nostre guide modulari e i...

15 articoli



### X-PROTECT IMPACT PROTECTION

#### Barriera di impatto alta

Utilizzare la Barriera di impatto alta per una protezione dagli impatti di alto livello. È la soluzione ideale per separare veicoli leggeri o definire zone del magazzino. Le nostre guide modulari e...

15 articoli



### X-PROTECT BOLLARDS

#### Dissuasori

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 articoli

### 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"

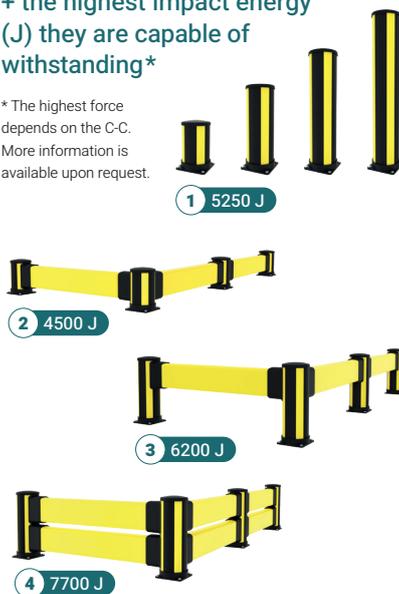


Height:  
 620 -  
 1170 mm  
 24 7/16" -  
 46 1/16"

### 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



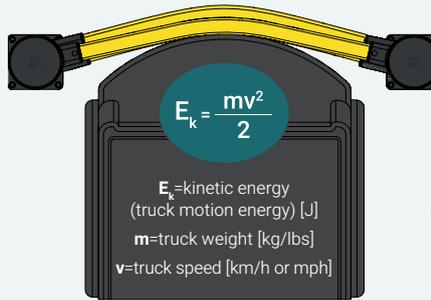
2 4500 J



3 6200 J



4 7700 J



### 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 |

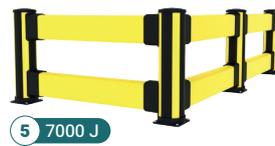
| Speed             | Load    |
|-------------------|---------|
| 6 km/h   3.7 mph  | 2930 J  |
| 8 km/h   5 mph    | 5180 J  |
| 12 km/h   7.5 mph | 11670 J |

#### Component Colours

● RAL 1018 ● RAL 9011

#### Operating temperature

-10°C → 40°C



5 7000 J



10 0 J



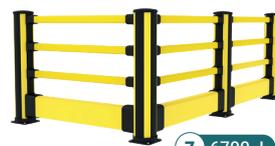
11 1800 J



6 5000 J



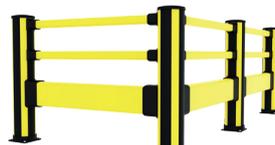
12 3000 J



7 6700 J



13 1500 J



8 8000 J



14 1700 J



9 8300 J



15 2250 J



16 3100 J

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