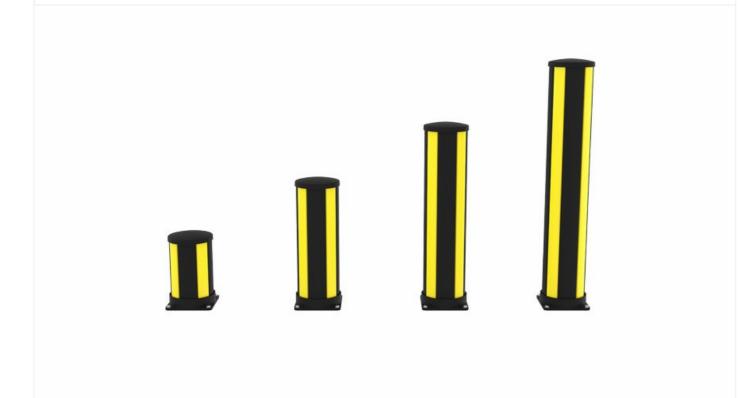


sizes from 350-1160 mm.

X-Protect bollards can also be integrated in X-Guard machine guard.



X-Protect is a unique approach to safety barriers. Unrivalled modularity, using only a few system components and damping that is built in to create a barrier system that changes with your work place. X-Protect allows rapid transformation, repair or replacement of existing barriers and bespoke configurations are limitless.

Impact test results						
Bollard height	Load	Equivalent to	Equivalent to		Force to fixings	
350mm	3200 J	2500 kg 5.7 km/h	5000 kg 4 km/h	NA*	18 kN	
610mm	5250 J	2500 kg 7.3 km/h	5000 kg 5.2 km/h	300mm	19.5 kN	
870mm	5250 J	2500 kg 7.3 km/h	5000 kg 5.2 km/h	420mm	17.5 kN	
1160mm	5250 J	2500 kg 7.3 km/h	5000 kg 5.2 km/h	620mm	12 kN	

^{*} Due to the bollard height, it is considered that the deflection is not critical for product selection.

Models

ARTICLES / DESCI	DIDTION	WIDTH (MM)	HEIGHT (MM)	COLOR
ARTICLES / DESCRI	BCP0-116-0000 Bollard	200	1160	Zinc Yellow Graphite Black
1111	BCP1-116-0000 Bollard	200	1160	Zinc Yellow
	BCP0-087-0000 Bollard	200	870	Zinc Yellow Graphite Black
1111	BCP1-087-0000 Bollard	200	870	Zinc Yellow
I	BCP0-061-0000 Bollard	200	610	Zinc Yellow Graphite Black
1111	BCP1-061-0000 Bollard	200	610	Zinc Yellow
П	BCP0-035-0000 Bollard	200	350	Zinc Yellow Graphite Black
1111	BCP1-035-0000 Bollard	200	350	Zinc Yellow

Related products



PEDESTRIAN BARRIERS

Pedestrian with impact

Use the X-Protect Pedestrian + Impact barrier configuration to protect walkways from medium duty vehicles where there is an increased risk of ground level impacts. It is also possible to combine wi...

19 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



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

Impact Protection



X-Protect is Safe

- ✓ Our impact protection products undergo rigorous testing at our state-of-the-art testing facility.
- ✓ With decades of experience in industrial safety, we've designed our impact protection to perform effectively in real-world conditions.
- ✓ We know safety and can guide you to the best solutions tailored to your specific needs.

X-Protect is **Modular**

- ✓ Quickly modify barrier specifications with minimal waste.
- Perform easy and cost-effective repairs at a component level.
- Quickly build strong integrated installations with few parts.

X-Protect is Sustainable

- Simple end of life dis-assembly, even after an accident.
- ✓ Single material components that are easy to recycle.
- Repairable by design, damaged or worn components are easily replaced extending the barrier's life.



Technical Information



X-Protect components

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

BARRIERS & RAILS

Hand Rails



Width x Height:

68 × 72 mm | 2 11/16" × 2 27/32" Length:

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

Impact Barriers



Width x Height:

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

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

POSTS & BOLLARDS



Height: 350 - 1160 mm 13 13/16" -45 11/16" Width: 200 mm 7 7/8" in

Component Colours

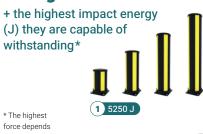


RAL 1018

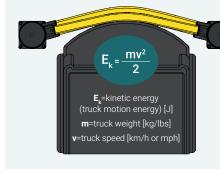


RAL 9011

X-Protect Standard Configurations



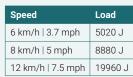
on the C-C. More information is available upon request.



Impact testing

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





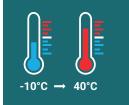


Speed	Load	
6 km/h 3.7 mph	3770 J	
8 km/h 5 mph	6660 J	
12 km/h 7.5 mph	14970 J	

Loaded weight 2100 kg/ 4620 lbs

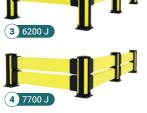
Speed	Load	
6 km/h 3.7 mph	2930 J	
8 km/h 5 mph	5180 J	
12 km/h 7.5 mph	11670 J	



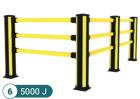






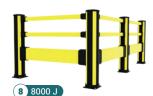


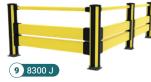




5 7000 J











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

- 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