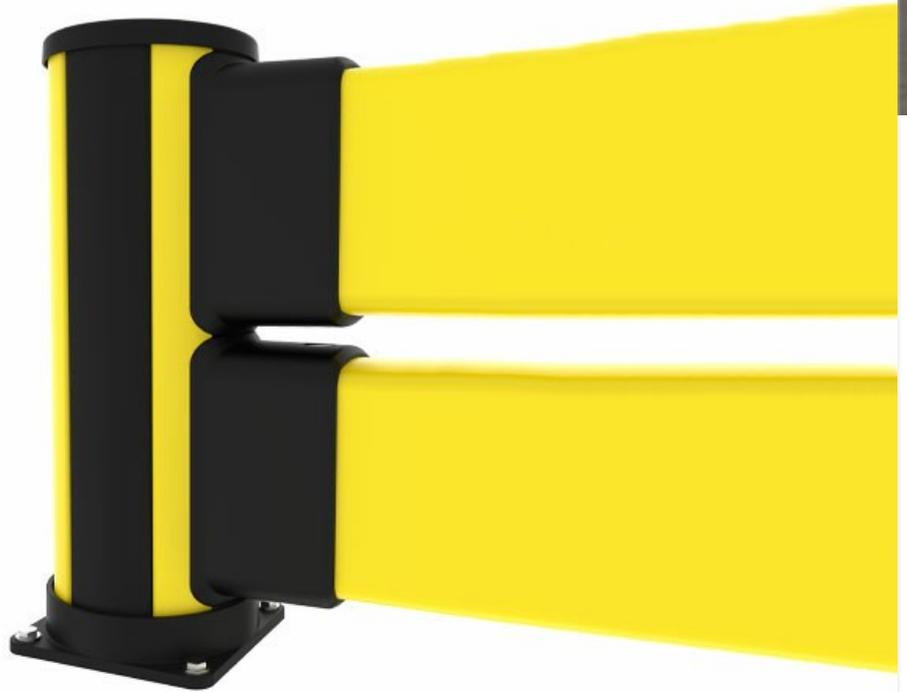


Double impact low

Use the X-Protect Double Impact Low Barrier configuration to protect structures from ground level, heavy duty impacts. It is one of our strongest Impact protection configurations and also ideal for protecting pallet racking.

Our modular rails and bollards allow for damaged or worn parts to be replaced at a component level. If you need to replace any component - it is just a slide away.



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					
<i>Area of impact</i>	<i>Load</i>	<i>Equivalent to</i>		<i>90° Deflection</i>	<i>Force to fixings</i>
Centre of barrier C - C as below					
2000mm	7700 J	2500 kg 8.9 km/h	5000 kg 6.3 km/h	340mm	15.5 kN
2500mm	7000 J	2500 kg 8.5 km/h	5000 kg 6 km/h	390mm	10.7 kN
3000mm	6700 J	2500 kg 8.3 km/h	5000 kg 5.8 km/h	440mm	8.6 kN
Posts					
End post	5800 J	2500 kg 7.7 km/h	5000 kg 5.4 km/h	NA *	15.3 kN
Mid post	5800 J	2500 kg 7.7 km/h	5000 kg 5.4 km/h	NA *	15.5 kN

* Deflection of posts is equivalent or less than that of the rail/s and is not considered to be critical for product selection. Performance is tested at height of the lowest rail. The post will perform better for lower strikes and deflection.

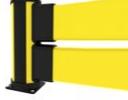
Models

Posts 6 articles

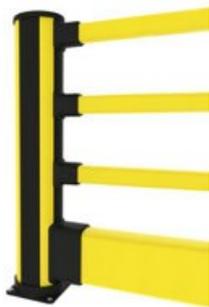
ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	COLOR
 BCE0-061-I200 Double Impact Low end	610			Zinc Yellow (RAL 1018) Graphite Black (RAL 9011)
 BCE1-061-I200 Double Impact Low end	610			Zinc Yellow (RAL 1018)
 BCM0-061-I200 Double Impact Low mid	610			Zinc Yellow (RAL 1018) Graphite Black (RAL 9011)
 BCM1-061-I200 Double Impact Low mid	610			Zinc Yellow (RAL 1018)
 BCC0-061-I200 Double Impact Low corner	610			Zinc Yellow (RAL 1018) Graphite Black (RAL 9011)
 BCC1-061-I200 Double Impact Low corner	610			Zinc Yellow (RAL 1018)

Impact rails 9 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	COLOR
 RCI1-027-0050 Impact rail		270	500	Zinc Yellow (RAL 1018)
 RCI1-047-0070 Impact rail		470	700	Zinc Yellow (RAL 1018)
 RCI1-077-0100 Impact rail		770	1000	Zinc Yellow (RAL 1018)
 RCI1-127-0150 Impact rail		1270	1500	Zinc Yellow (RAL 1018)

	RCI1-177-0200 Impact rail	1770	2000	Zinc Yellow (RAL 1018)
	RCI1-227-0250 Impact rail	2270	2500	Zinc Yellow (RAL 1018)
	RCI1-277-0300 Impact rail	2770	3000	Zinc Yellow (RAL 1018)
	RCI1-067-0090 Impact rail	670	900	Zinc Yellow (RAL 1018)
	RCI1-197-0220 Impact rail	1970	2200	Zinc Yellow (RAL 1018)

Related products



CLASSIC PEDESTRIAN

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 IMPACT PROTECTION

Double impact

Use the X-Protect Double Impact Barrier configuration to protect structures from high level, heavy duty impacts. It is one of our strongest Impact protection configurations. Our modular rails and b...

15 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"

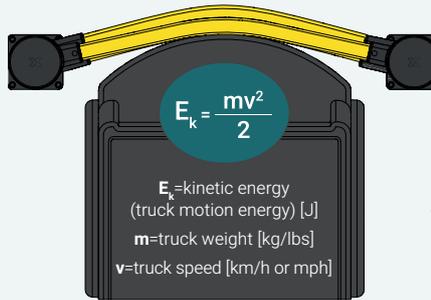
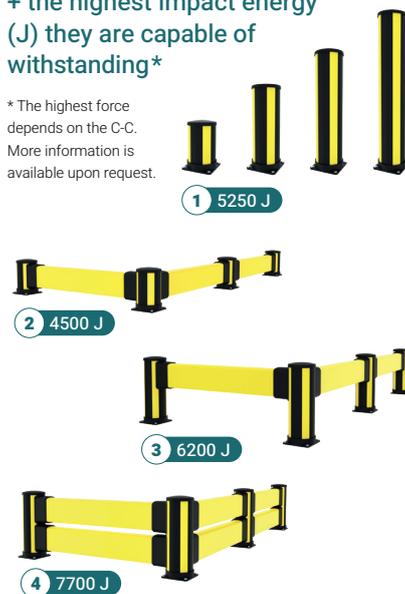


Height:
 620 -
 1170 mm
 24 7/16" -
 46 1/16"

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.



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

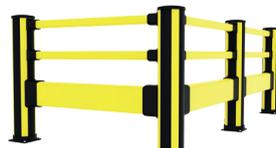
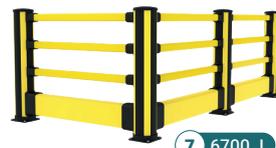
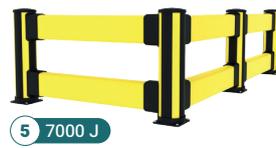
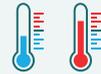
Speed	Load
6 km/h 3.7 mph	2930 J
8 km/h 5 mph	5180 J
12 km/h 7.5 mph	11670 J

Component Colours

● RAL 1018 ● RAL 9011

Operating temperature

-10°C → 40°C



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