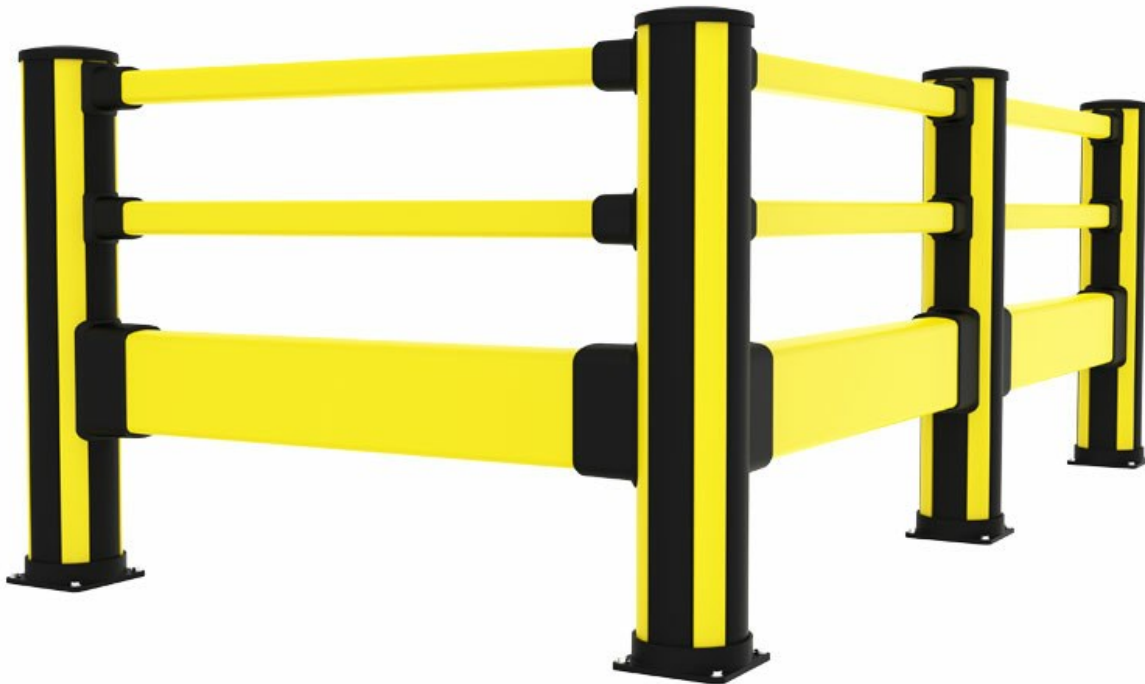


Pedestrian with impact high

Use the X-Protect Pedestrian + Impact high barrier configuration to protect walkways from medium duty vehicles where there is a reduced risk of ground level impacts. It is also possible to combine with a pedestrian gate. The pedestrian gate is self closing, provided with a universal handle and width is adjustable from 690-1210 mm.









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					
Area of impact	Load	Equivalent to		90° Deflection	Force to fixings
Centre of barrier C - C as below					
2000mm	8000 J	2500 kg 9.1 km/h	5000 kg 6.4 km/h	450mm	17 kN
Posts					
End post	1850 J	2500 kg 4.3 km/h	5000 kg 3 km/h	NA *	11.6 kN
Mid post	2450 J	2500 kg 5 km/h	5000 kg 3.5 km/h	NA *	12.7 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




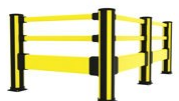

Posts 6 articles

ARTICLES / DESCRIPTION		HEIGHT (MM)	LENGTH (MM)	CC (MM)	COLOR
	BCC1-116-I1P2 Pedestrian + Impact High corner	1160			Zinc Yellow (RAL 1018)
	BCC0-116-I1P2 Pedestrian + Impact High corner	1160			Zinc Yellow (RAL 1018) Graphite Black (RAL 9011)
	BCM1-116-I1P2 Pedestrian + Impact High mid	1160			Zinc Yellow (RAL 1018)
	BCM0-116-I1P2 Pedestrian + Impact High mid	1160			Zinc Yellow (RAL 1018) Graphite Black (RAL 9011)
	BCE1-116-I1P2 Pedestrian + Impact High end	1160			Zinc Yellow (RAL 1018)
	BCE0-116-I1P2 Pedestrian + Impact High end	1160			Zinc Yellow (RAL 1018) Graphite Black (RAL 9011)

Impact rails 7 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	COLOR
 RCI1-027-0050 Impact rail		270	500	Zinc Yellow (RAL 1018)
 RCI1-277-0300 Impact rail		2770	3000	Zinc Yellow (RAL 1018)
 RCI1-227-0250 Impact rail		2270	2500	Zinc Yellow (RAL 1018)
 RCI1-177-0200 Impact rail		1770	2000	Zinc Yellow (RAL 1018)
 RCI1-127-0150 Impact rail		1270	1500	Zinc Yellow (RAL 1018)
 RCI1-077-0100 Impact rail		770	1000	Zinc Yellow (RAL 1018)
 RCI1-047-0070 Impact rail		470	700	Zinc Yellow (RAL 1018)



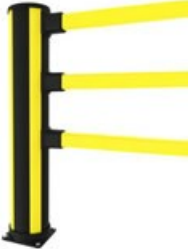
Hand rails 5 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	COLOR
 RCP1-027-0050 Hand rail		270	500	Zinc Yellow (RAL 1018)
 RCP1-047-0070 Hand rail		470	700	Zinc Yellow (RAL 1018)
 RCP1-077-0100 Hand rail		770	1000	Zinc Yellow (RAL 1018)
 RCP1-127-0150 Hand rail		1270	1500	Zinc Yellow (RAL 1018)
 RCP1-177-0200 Hand rail		1770	2000	Zinc Yellow (RAL 1018)

Gate 1 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	COLOR
 GCP8-069-0121 Pedestrian gate, 690-1210 mm				

Related products

	<p>PEDESTRIAN BARRIERS</p> <p>Pedestrian gate</p> <p>Universally handed, self closing and width adjustable from 690mm to 1210 mm.</p> <p>1 articles</p>
	<p>CLASSIC PEDESTRIAN BARRIERS</p> <p>Pedestrian with impact</p> <p>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...</p> <p>19 articles</p>
	<p>CLASSIC PEDESTRIAN BARRIERS</p> <p>Pedestrian</p> <p>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...</p> <p>12 articles</p>

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" -

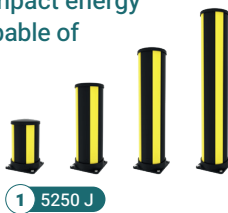
46 1/16"



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



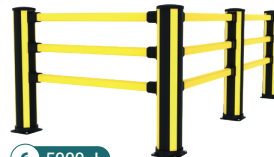
3 6200 J



4 7700 J



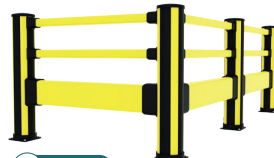
5 7000 J



6 5000 J



7 6700 J



8 8000 J



9 8300 J



10 0 J



11 1800 J



12 3000 J



13 1500 J



14 1700 J



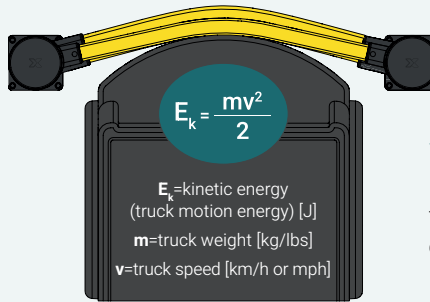
15 2250 J



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



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

● RAL 1018 ● RAL 9011

Operating temperature

-10°C → 40°C

