


Collision Protection



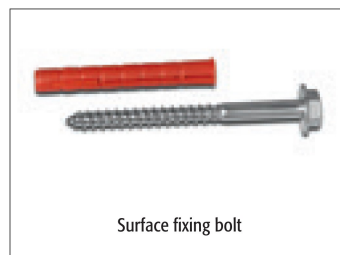
**BLACK BULL Impact Guard Rails**



Description	Support Post
	
Delivery weight (kg/ea.)	9.5
<b>Powder coated</b>	198.22.571
Typical despatch time (working days)	
<b>Hot dip galvanised and powder coated</b>	198.27.574
Typical despatch time (working days)	



\* Max. force absorption. For details please request data sheets.





- Indoor and Outdoor use
- High quality steel
- Strong 'C' section rails
- Quickly and easily installed
- Innovative assembly method
- TUV-tested according to DGUV 108-007

**BLACK BULL** Impact Guard Rails provide a most effective and efficient method of protecting property, machinery and plant from damage by moving traffic. Extremely resilient to collisions from vehicular traffic.

Innovative connection system enables assembly by one man. Modular construction ensures the system is very easily extended/modified.

- Specifications:**
- Support post: 465 x 80 x 80 mm  
3 mm Wall thickness  
With Black cap
  - Base plate: 160 x 140 x 10 mm
  - Rails: 'C' Profile, 100 x 40 mm  
3 mm Wall thickness
- Finish:**
- For Outdoor use: Hot Dip Galvanised and Powder coated yellow.
  - For Indoor use: Powder coated yellow.
  - Option: Hot Dip Galvanised only.

Fixed 90° external and internal corner rails or alternatively an adjustable knuckle is available for adjustment between 90° and 180°.



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Rail C-profile 100 x 40 x 3mm				Angle rail External Corner	Angle rail Internal Corner	Adjustable Knuckle Variable 90° to 180°
1.000	1.200	1.500	2.000			
[Yellow bar]						
[Yellow bar]						
[Yellow bar]						
[Yellow bar]						
9	11	13.5	17.5	6	6	2
198.21.933	198.21.114	198.26.826	198.26.176	198.23.160	198.26.087	198.22.565
5 / 10 days						
198.23.147	198.23.683	198.22.929	198.20.197	198.24.064	198.26.165	-
5 / 10 days						

Accessories	Dimensions (mm)	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
End cap for rails, black		0.1	198.26.315	5 / 10 days
Mounting plates for rails, Alu, hot dip galvanised and powder coated		1.5	198.25.794	
Surface fixing bolt S12 – (4 per post)	8/100	0.2	109.17.393	1 / 2 days
Through bolt anchor (4 per post)	12/120	0.3	109.24.665	