



- Indoor and Outdoor use
- High quality steel
- Strong 'C' section rails
- Quickly and easily installed
- Innovative assembly method

**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 80mm  
3mm Wall thickness  
With Black cap

Base plate: 160 x 140 x 10mm

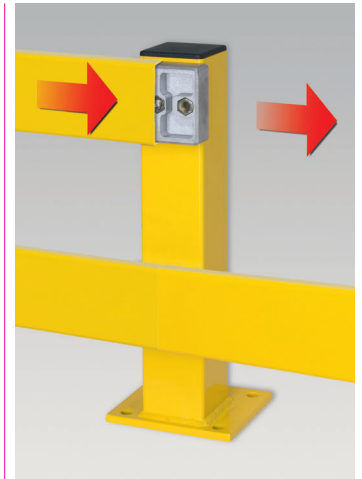
Rails: 'C' Profile, 100 x 40mm  
3mm Wall thickness

**Finish:**

For Outdoor use: Hot Dip Galvanised only or Hot Dip Galvanised and Powder coated yellow.

For Indoor use: Powder coated yellow.

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



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 S14 – (4 per post)	10/100	0.2	109.17.393	1 / 2 days
Through bolt anchor (4 per post)	12/120	0.3	109.24.665	

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]						
[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						
198.21.064	198.21.686	198.20.283	198.21.045	198.21.618	198.22.027	198.22.853
5 / 10 days						