



- Indoor use
- High quality steel tube
- Available in various lengths
- Individual elements or continuous length installations
- Integrated cable/hose conduit

### BLACK BULL Raised Collision Protection Bars



This new and innovative Collision Protection system is ideal for separating traffic lanes and for protecting personnel, work areas, equipment and machinery etc.

The **BLACK BULL Raised Collision Bars** are manufactured in high quality thick walled steel tubes which are welded to metal uprights. These are then welded onto solid steel base plates 10mm thick. All metal work is powder coated yellow with black moulded plastic plugs inserted in the tube ends.

The Collision Bars are available in standard lengths which can, if required, be made into longer continuous lengths by means of connecting adapters. Please advise at time of ordering.

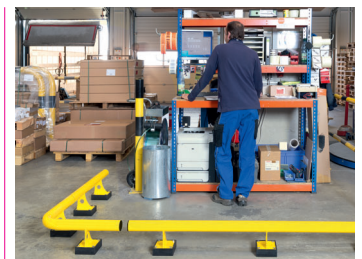
**BLACK BULL Raised Collision Bars** are secured to the floor with rawl plug bolts or through bolts. (Supplied separately).



A 50mm Ø hole is drilled into each upright which provides a conduit for cables/airlines etc. up to 48mm Ø.

#### Specification:

Diameter: 76mm Ø  
 Wall thickness: 3mm  
 O/all height: 200mm  
 Base plate: 160 x 140 x 10mm  
 Finish: Powder coated  
 Colour: Yellow



Available in special lengths (on request)

**Can be upgraded to FLEX version:  
 Max. yield angle 10°.**

Description	Number of bolts required	Dimensions (mm) H x L	Delivery weight (kg/ea.)	Reference	Typical despatch time (working days)
Raised Collision Bars	8	200 x 1,000	12.5	202.29.766	5 / 10 days
		200 x 1,500	15	202.24.306	
	12	200 x 2,000	20.5	202.27.522	
Corner element	8	200 x 638 x 638	12.5	202.27.943	
				202.24.284	
Connecting Adapter			0.5	202.29.983	
End cap, black			0.1	202.20.854	
Surface fixing bolt S14		10/100	0.2	109.17.393	1 / 2 days
Throughbolt anchor		12/120	0.3	109.24.665	