

ROUND BOLLARDS Heavy Duty

Features:

- Cast aluminium caps provide high quality finish.
- Standard Class 1 Red reflective band.
- Fully welded heavy steel base plated models.
- Welded anchoring bars for fixing into concrete footing.
- **Galvanised and powder coated or galvanised only.**
- Optional chain ring kits are available for connecting chains or ropes to our bollards.
- For polyethylene protective sleeves, see page 11.



Below ground bollards have fully welded anchoring bars.



Cast aluminium cap with optional chain ring kit.

SURFACE MOUNT Heavy Duty Round Bollards

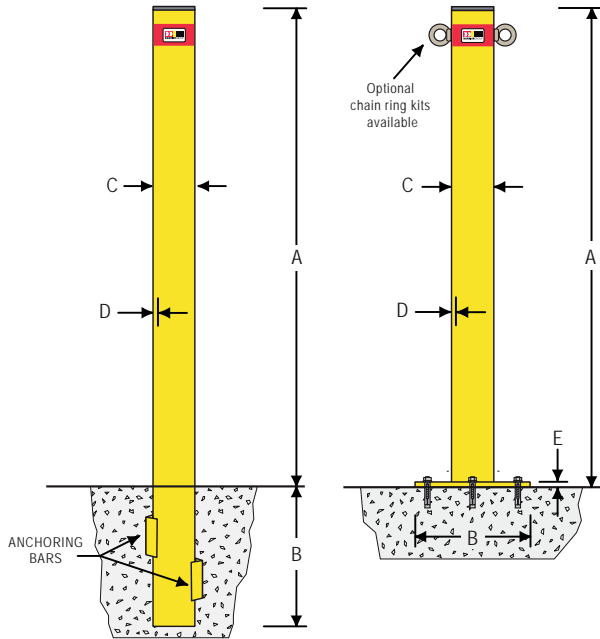
Surface Finish: G – Galvanised. P – Powder coated Yellow as standard.

PART No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)	No. of Fixings	Size of Fixing (sleeve anchor)	Cap	Surface Finishes	
										G	P
C90SM	1000	225	90	5	6	9	4	12 x 60mm	Aluminium Fixed	✓	✓
C90SM-G	1000	225	90	5	6	9	4	12 x 60mm	Aluminium Fixed	✓	
C140SM	1200	300	140	5	10	23	4	16 x 65mm	Aluminium Fixed	✓	✓
C140SM-G	1200	300	140	5	10	23	4	16 x 65mm	Aluminium Fixed	✓	
C165SM	1300	350	165	5	10	34	4	20 x 75mm	Aluminium Loose	✓	✓
C165SM-G	1300	350	165	5	10	34	4	20 x 75mm	Aluminium Loose	✓	
C220SM	1300	400	220	6.4	12	45	4	20 x 105mm	Aluminium Loose	✓	✓
C220SM-G	1300	400	220	6.4	12	45	4	20 x 105mm	Aluminium Loose	✓	
RKIT-G	Galvanised steel chain ring kit 2 x M10 eye bolts										

BELOW GROUND Heavy Duty Round Bollards

Surface Finish: G – Galvanised. P – Powder coated Yellow as standard.

PART No.	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)	Anchoring Bars	Size of Anchoring Bars	Cap	Surface Finishes		
									G	P	
C90BG	1000	380	90	5	12	2	30 x 30 x 50mm angle	Aluminium Fixed	✓	✓	
C90BG-G	1000	380	90	5	12	2	30 x 30 x 50mm angle	Aluminium Fixed	✓		
C140BG	1200	500	140	5	29	2	30 x 30 x 100mm angle	Aluminium Fixed	✓	✓	
C140BG-G	1200	500	140	5	29	2	30 x 30 x 100mm angle	Aluminium Fixed	✓		
C165BG	1300	650	165	5	40	2	30 x 30 x 100mm angle	Aluminium Loose	✓	✓	
C165BG-G	1300	650	165	5	40	2	30 x 30 x 100mm angle	Aluminium Loose	✓		
C220BG	1300	650	220	6.4	53	2	30 x 30 x 100mm angle	Aluminium Loose	✓	✓	
C220BG-G	1300	650	220	6.4	53	2	30 x 30 x 100mm angle	Aluminium Loose	✓		
RKIT-G	Galvanised steel chain ring kit 2 x M10 eye bolts										



SQUARE BOLLARDS Heavy Duty

Features:

- Fixed, square surface mount and below ground bollards are designed for traffic control situations and asset protection.
- Surface mount bollards have fully welded base plates and are suitable for installation onto any concrete surface.
- Below ground bollards have fully welded anchoring bars for installation into new concrete footings. Suitable for installation in asphalt or any soft surface where a concrete footing will be necessary.
- Manufactured from heavy wall mild steel.
- **Galvanised and powder coated or galvanised only.**
- Available in two sizes.
- Standard Class 1 reflective band (for powder coated models only).
- All our bollards are supplied complete with fixings.
- Optional chain ring kits are available for connecting chains or ropes to our bollards.



Cast aluminium knock-in caps on all square bollard models.



Below ground bollards have fully welded anchoring bars.

SURFACE MOUNT Square Bollards

Surface Finish: G – Galvanised. P – Powder coated Yellow as standard.

PART No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)	No. of Fixings	Size of Fixing (sleeve anchor)	Cap	Surface Finishes	
										G	P
CS90SM	1000	200	90	5	6	12.75	4	12 x 60mm	Aluminium Fixed	✓	✓
CS90SM-G	1000	200	90	5	6	12.75	4	12 x 60mm	Aluminium Fixed	✓	–
CS150SM	1200	300	150	5	10	32	4	20 x 75mm	Aluminium Fixed	✓	✓
CS150SM-G	1200	300	150	5	10	32	4	20 x 75mm	Aluminium Fixed	✓	–
RKIT-G	Galvanised steel chain ring kit 2 x M10 eye bolts										

BELOW GROUND Square Bollards

Surface Finish: G – Galvanised. P – Powder coated Yellow as standard.

PART No.	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)	Anchoring Bars	Size of Anchoring Bars	Cap	Surface Finishes		
									G	P	
CS90BG	1000	400	90	5	16.5	2	30 x 30 x 50mm angle	Aluminium Fixed	✓	✓	
CS90BG-G	1000	400	90	5	16.5	2	30 x 30 x 50mm angle	Aluminium Fixed	✓	–	
CS150BG	1200	500	150	5	38	2	30 x 30 x 100mm angle	Aluminium Fixed	✓	✓	
CS150BG-G	1200	500	150	5	38	2	30 x 30 x 100mm angle	Aluminium Fixed	✓	–	
RKIT-G	Galvanised steel chain ring kit 2 x M10 eye bolts										