



Ferrocast® Bollards



Bollards act as a physical barrier to protect pedestrians and property from traffic. By clearly demarcating traffic areas they add obvious security to a landscape, act as a ram-raider deterrent and regulate motor vehicle access.



The Ferrocast range has been installed in thousands of locations throughout the UK, Europe and the Far East, and has been tested in severe environmental conditions.

The range is wide enough to encompass modern urban streetscapes and yet can provide elegance in more traditional environments.

Due to our continual programme of product development we cannot show every bollard in the range. The following pages illustrate our most popular bollards. For specific requirements please contact our sales office.

Ferrocast® Bollard Selector

The use of Ferrocast bollards adds security to your landscape. They are manufactured from engineering grade polyurethane which is cast around a steel core. This makes them virtually inert and the non-ferrous exterior means the bollard body will never rust, making them particularly suited to saline environments.

Root fixing is the standard product fixing method for Ferrocast bollards. Base plate versions are also available on most bollards.

Ferrocast bollards are supplied with a black, two-part polyurethane gloss coating finish as standard. Other RAL colours are available to special order. High chip and abrasion resistance makes Ferrocast ideal for heavily trafficked areas

and other damage-prone locations.

Ferrocast bollards can be manufactured to an anti-ram specification, they are moulded around several inner steel cores. Marshalls are an approved supplier to several major retailers who specify Ferrocast anti-ram bollards at superstores, retail parks and supermarkets.

Ferrocast® bollards can be tailored to your individual needs, with all of the following available on request:

- Reflective discs
- Reflective visibility bands
- A second colour
- Coats of arms, crests and logos

Marshalls also offer a full range of telescopic bollards (see page 69).

ABBEY



ALNWICK SMALL



ALNWICK MEDIUM



ALNWICK LARGE



ASHBY



ASHTON



BARNSTAPLE

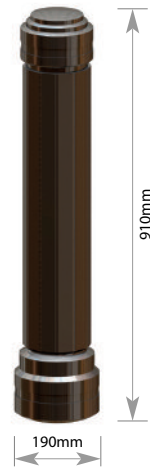


BELINDA

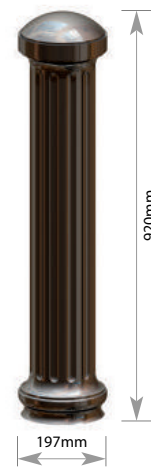


Ferrocast® Bollard Selector

BEAUMONT



BERESFORD



BIDEFORD



BILLY



BIRMINGHAM



BOROUGH



BRADFORD



BRISTOL



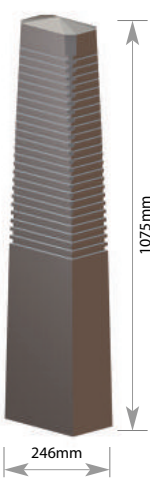
BURY



CAMBRIDGE



CAMDEN



CAPITAL



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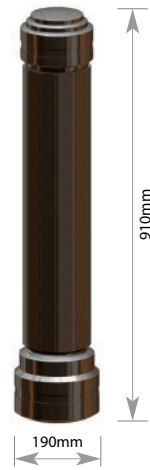
BARNSTAPLE



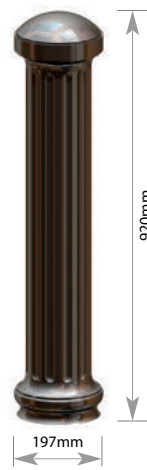
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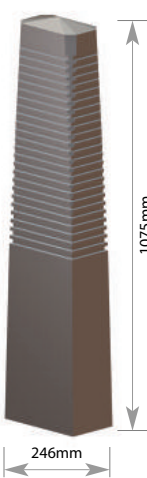
BURY



CAMBRIDGE




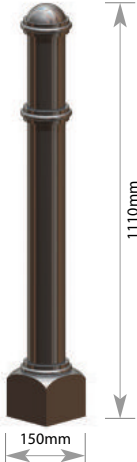

CAMDEN





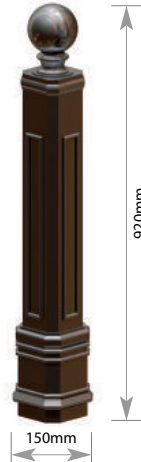

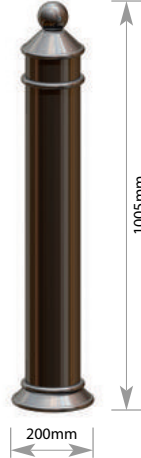



CAPITAL



Ferrocast® Bollard Selector

CAPSTAN  120mm 900mm	CARDIFF  220mm 1000mm	CARRONADE  200mm 1140mm	CHELTENHAM  165mm 1220mm
CHERTSEY  136mm 1000mm	CHORLEY  225mm 1251mm	CITY  145mm 950mm	CLAPHAM JUNCTION  125mm 1000mm
CONSERVATION  150mm 1110mm	CORNWALL  124mm 1095mm	DARLINGTON  165mm 1095mm	DAVENTRY  210mm 940mm

Ferrocast® Bollard Selector

DEAL  120mm 1000mm	DEANS GATE  115mm 1140mm	DELAVAL  150mm 800mm	DEWSBURY  150mm 920mm
DIXON ANTI-RAM  155mm 1000mm	DUDLEY  222mm 1155mm	DURHAM  175mm 930mm	EALING  200mm 1005mm
EAST SUSSEX  168mm 915mm	EASTBOURNE  218mm 1178mm	GATESHEAD  172mm 845mm	HACKNEY  155mm 970mm

Ferrocast® Bollard Selector

OLDHAM 	PENARTH 	PONTEFRACT 	PUTNEY 
RADLETT 	REDBRIDGE 	REDROUTE 	RENFREW 
SANDWELL 	SEAHAM 	SLOUGH 	SMALL CANNON 

Ferrocast® Bollard Selector

ST ANNES 	ST HELENS 	STOCKPORT 	SUNDERLAND LOW 
SUNDERLAND 	SUTTON REDROUTE 	SWANSEA MEDIUM 	TEIGNMOUTH 
VICTORIANA 	WAKEFIELD 	WESTMINSTER 	WHITLEY 

Post, Rail and PGR Systems



Marshall's Decorguard post and rail and pedestrian guard rail (PGR) systems can be specified to recreate a traditional look or to provide a more contemporary styling.

Decorguard post and rail systems are a decorative means of restricting access to potentially hazardous areas. They are ideally suited to waterfronts, on bridges and near steep inclines.

Decorguard pedestrian guard rails provide the means of directing pedestrians in those areas where they could come into conflict with traffic.

The range clearly marks those areas to be used only by traffic, with a physical barrier preventing pedestrians from entering the traffic zone. By directing the flow of pedestrians, they can be encouraged to use the 'safe' road crossing zones.



Pedestrian Guard Rail Selector

In areas where pedestrians need to be separated safely from heavy traffic, the combination of composite Ferrocast® posts and our high-quality steel panels provides the perfect solution. The system consists of three post types, Chancellor, Court or Regent.

Posts can be teamed with any of the five following panel options:

Option1: Hi Vis panel (see panel configurations below).

Option 2: Reduced Hi Vis (HV8) panel and top vision rail.

Option 3: PGR3 (900mm) panel.

Option 4: PGR3 (715mm) panel and top vision rail.

Option 5: PGR2 panel.

Posts

- Composite posts are mild steel galvanised with decorative Ferrocast embellishments

- Powder coated to most RAL colours

Panels

- All panels are hot dip galvanised
- Galvanised panels are supplied powder coated in most RAL colours
- Stepped and/or radiused layouts can be achieved
- As well as our standard range of high visibility panels, we can custom-make panels to your own designs to enhance the character of an area
- In conjunction with composite Ferrocast posts, Decorguard Pedestrian Guardrail Systems have the added advantage of bending – not shearing or shattering – on impact

Marshalls offer a full site survey and installation service.

OPTION 1

CHANCELLOR 1



REGENT 1



COURT 1



HIGH VISIBILITY OPTIONS

In areas where it is particularly important that drivers can see pedestrians, High Visibility Panels are available. There are three rail configurations, shown below, which are selected according to the anticipated speed of traffic flow.

Rail configurations

HV 2	
HV 4	
HV 8	

Pedestrian Guard Rail Selector

OPTION 2

CHANCELLOR 2



REGENT 2



OPTION 3

CHANCELLOR 3



REGENT 3



COURT 2



COURT 3



Pedestrian Guard Rail Selector

OPTION 4

CHANCELLOR 4



COURT 4



REGENT 4



OPTION 5

CHANCELLOR 5



REGENT 5



COURT 5



Pedestrian Guard Rail Technical

Product	Option	Panel Type	Panel Sizes Available	Post 89	Post 114	Options								
						Intermediate	End	Corner 90 deg	Ramp 3 deg	Post Height	Cup	Lug	Cup & Lug	Stepped
Chancellor	1	HV8/HV4/HV2	2000 x 900 x 12mm	✓	✓	■	■	■		■		■		■
Court			1500 x 900 x 12mm			■	■	■		■		■		■
Regent			1000 x 900 x 12mm			■	■	■		■		■		■
Chancellor	2	HV8	2000 x 700 x 12mm	✓	✓	■	■	■		■			■	■
Court			1500 x 700 x 12mm			■	■	■		■			■	■
Regent			1000 x 700 x 12mm			■	■	■		■			■	■
Chancellor	3	PGR3	2000 x 900 x 20mm	✓	✓	■	■	■		■	■			■
Court			1500 x 900 x 20mm			■	■	■		■	■			■
Regent			1000 x 900 x 20mm			■	■	■		■	■			■
Chancellor	4	PGR3	2000 x 715 x 20mm	✓	✓	■	■	■		■	■			■
Court			2000 x 715 x 20mm			■	■	■		■	■			■
Regent			2000 x 715 x 20mm			■	■	■		■	■			■
Chancellor	5	PGR2	2000 x 870 x 12mm	✓	✓	■	■	■				■		■
Court			1500 x 870 x12mm			■	■	■		■		■		■
Regent			1000 x 870 x12mm			■	■	■		■		■		■

Chancellor

OPTION 1

- Hi Vis panel
- With 89mm or 114mm post
- Chancellor top and standard base ring
- Panel lugged

OPTION 2

- Reduced Hi Vis (HV 8) panel and top vision rail
- With 89mm or 114mm post
- Chancellor top and standard base ring
- Top rail cupped, panel lugged

OPTION 3

- PGR 3 (900mm) panel
- With 89mm or 114mm post
- Chancellor top and standard base ring
- Panel cupped

OPTION 4

- PGR 3 (715mm) panel and top vision rail
- With 89mm or 114mm post
- Chancellor top and standard base ring
- Top rail and panel cupped

OPTION 5

- PGR 2 panel
- With 89mm or 114mm post
- Chancellor top and standard base ring
- Panel connected to adjustable bracket

Court

OPTION 1

- Hi Vis panel
- With 89mm or 114mm post
- Court top and standard base ring
- Panel lugged

OPTION 2

- Reduced Hi Vis (HV 8) panel and top vision rail
- With 89mm or 114mm post
- Court top and standard base ring
- Top rail cupped, panel lugged

OPTION 3

- PGR 3 (900mm) panel
- With 89mm or 114mm post
- Court top and standard base ring
- Panel cupped

OPTION 4

- PGR 3 (715mm) panel and top vision rail
- With 89mm or 114mm post
- Court top and standard base ring
- Top rail and panel cupped

OPTION 5

- PGR 2 panel
- With 89mm or 114mm post
- Court top and standard base ring
- Panel connected to adjustable bracket

Regent

OPTION 1

- Hi Vis panel
- With 89mm or 114mm post
- Regent top and standard base ring
- Panel lugged

OPTION 2

- Reduced Hi Vis (HV 8) panel and top vision rail
- With 89mm or 114mm post
- Regent top and standard base ring
- Top rail cupped, panel lugged

OPTION 3

- PGR 3 (900mm) panel
- With 89mm or 114mm post
- Regent top and standard base ring
- Panel cupped

OPTION 4

- PGR 3 (715mm) panel and top vision rail
- With 89mm or 114mm post
- Regent top and standard base ring
- Top rail and panel cupped

OPTION 5

- PGR 2 panel
- With 89mm or 114mm post
- Regent top and standard base ring
- Panel connected to adjustable bracket

Post & Rail Product Selector

Marshall's range of Ferrocast® post and rail systems provides simple handrail options in not only the traditional Victorian style but also those that encompass a more contemporary aesthetic. Ferrocast has many advantages over traditional materials for this purpose:

- Maximum resistance to rusting, water, urine and chemical corrosion
- Civil crests and company logos can be incorporated into posts
- Totally impervious to salt and hostile coastal environments
- High resistance to chipping, impact and abrasion

- Banisters for stairways can be supplied
- Copies of historic posts can be made
- Special finishes, e.g. anti-graffiti, can be supplied
- Facilities for chain links to block entrances can be supplied
- Corners and bends can be accommodated

ANGLESEY KNEE POST



BUDE



DEANS GATE



BERWICK



CLEETHORPES



Post & Rail Product Selector

DELAVAL TRIP



HARBOUR POST 2 RAIL



HARBOUR POST 4 RAIL



JERSEY



DREAM PARK



HARBOUR POST 3 RAIL



HARTLEPOOL



LLANELLI (3 RAIL)

