



Railing posts

Infill panels

Pedestrian barriers

Palisade fencing

Railing Posts

Railing Posts & Barriers

RAILING POSTS

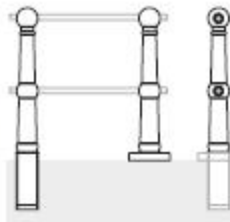
Most systems meet the criteria of BS 7818 which has superseded the old BS 3049 specification.

Cast posts are available in cast iron, ductile iron or aluminium.

Galvanised steel tube horizontal rails are available in 34, 43 or the most common 48mm diameter sizes. They are supplied direct to site in 6.4m lengths allowing easy installation and ultimate strength.



216



221R

221F

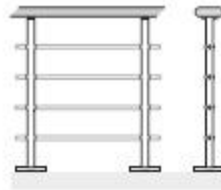


Product dimensions

Post designation	Post height	Post width	Rail height			
			1	2	3	4
216	500	300	355			
221R	800	300	425	875		
221F	800	-	425	875		
229	1020	-	220	420	620	820
233R	1150	300	320	640	960	
233F	1150	-	320	640	960	
233RR	1150	-	300	320	640	960

* Stock item

2.2

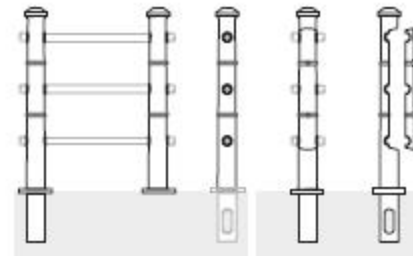


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Railing Posts & Barriers

RAILING POSTS



233R

233F

233RR

CIS type 233 cast railing posts are probably the most robust of all cast rail posts. Their three rail design offers a good compromise between a simple two rail system and a more expensive full height infill panel.

Type 233RR has a removable section and when used with 191/192 base sockets enables the removal of both rails and posts for occasional access to areas such as slipways.



233R



233RR

Standard & optional rail sizes

Post designation	Rail size	options			
		30	40	48	54mm
216	48	✓	✓	✓	✓
221	34	✓	✓	✓	✓
229	21	X	X	X	✓
233	48	✓	✓	✓	✓

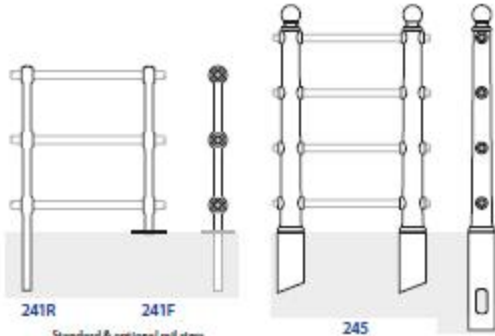
2.3

RAILING POSTS

Designs 241 and 246 are both simple and elegant and blend in very well with traditional and modern schemes alike. Both posts are cast as standard in ductile iron, giving them similar strength properties to steel.



241R



241R 241F

Standard & optional rail sizes

Rail size	Standard	option		
		41	42	chain
241	40	X	X	X
245	42	X	X	X
246	chain	X	X	X

Product dimensions

height above ground	set length	rail length			
		1	2	3	4
241R	1030	350	375	575	975
241F	1030	-	375	575	975
245	1400	530	382	520	860 1200
246	1000	330	475	950	



246



246

Railing Posts & Barriers

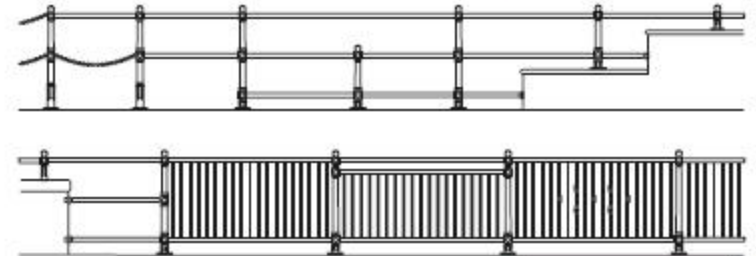
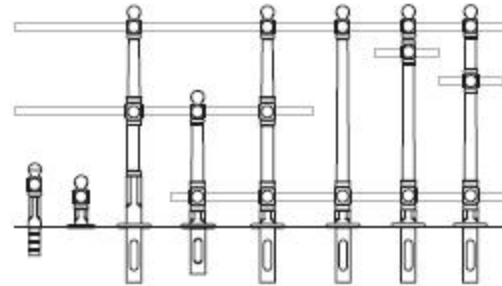
RAILING POSTS

Railing post schemes frequently demand a number of different configurations. Changes of line, level and adjacent usage call for varying degrees of control.

Selection from the series 250 to 256 detailed on the following pages can accommodate most changes imposed by scheme design. All are available in flange base or rooted versions.

The illustrations on this page show how simple transitions can be made.

When correctly specified and installed the range complies with appropriate Department of Transport, building regulations and RoSPA guidelines.

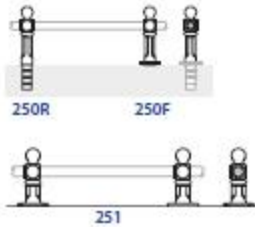


RAILING POSTS

Posts on these two pages are designed primarily to be used with tubular rails. These systems are often used to segregate the public from areas of potential danger.

They can be found within town centres, retail parks, the waterside, bridges, and locks. All posts are available to accommodate slopes (see page 2.13) and may be used to aid disabled access.

Railing Posts & Barriers



Product dimensions

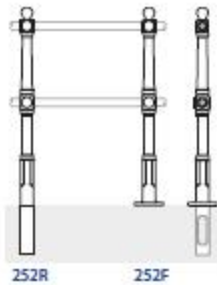
Post type	Post height	Post width	Post depth	Post length
250R	355	151	238	
250F	355	-	238	
251	295	-	172	
252R	1220	300	636	1100
252F	1220	-	636	1100
253R/1	750	250	636	
253R	750	250	172	636
253F	750	-	172	636
254R	1220	300	172	636 1100
254F	1220	-	172	636 1100

* stock items



Standard & optional nail sizes

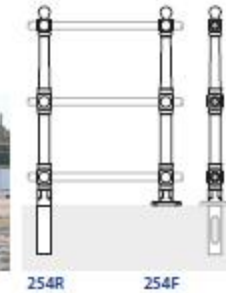
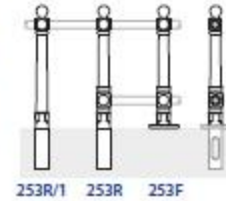
Post type	Standard nail size	Optional nail sizes
250	80	38 40
251	80	✓ ✓
252	80	✓ ✓
253	80	✓ ✓
254	80	✓ ✓



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Railing Posts & Barriers

RAILING POSTS



An alternative design of top is also available.

Standard Alternative (W)



2.7

Railing Posts & Barriers

RAILING POSTS

Full height railing panels combined with posts are the ultimate protective railing system.

All posts on this page have either full height panels or 3/4 height panels. This latter arrangement is commonly referred to as a view rail type panel. It gives good visibility to car drivers and are most often used in urban environments.

The design has been enhanced further by creating our type 256XR rail post. This has a much greater gap between the top rail and the second rail.

These posts are designed to accept a type 271 infill panel as standard.



255R

255F

255F

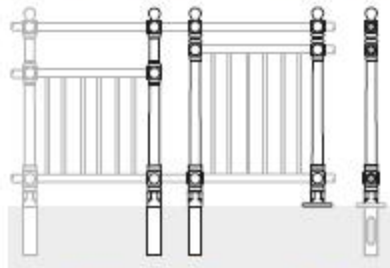


255F

256R



256XR



256XR

256R

256F

Railing Posts & Barriers

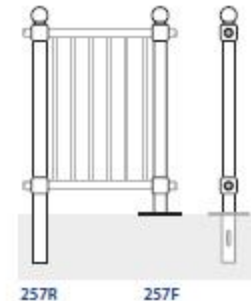
RAILING POSTS

The posts on this page (257 & 258) have been designed to be used with infill panels. They are used in areas where a greater degree of pedestrian restraint is required. Details of panels are shown on pages 12 & 13.

Type 258RR features the CIS split post system for replacement of panels or temporary access.

Standard & optional rail sizes

Post	Standard	Optional
255	40	43
256X	40	43
256	40	43
257	40	-
258	40	-



257R

257F

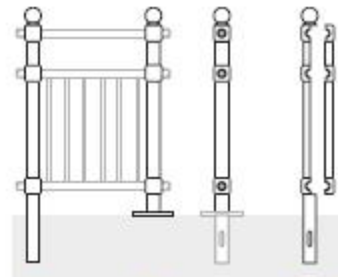
Product dimensions

Post	Height	Rail height	Infill height		
			1	2	3
255R	* 1220	300	172	1300	
255F	* 1220	-	172	1300	
256XR	1220	300	172	822	1300
256R	* 1220	300	172	960	1300
256F	* 1220	-	172	960	1300
257R	* 1200	300	175	1125	
257F	* 1200	-	175	1125	
258R	* 1200	300	175	875	1125
258F	* 1200	-	175	875	1125
258RR	1200	300	175	875	1125

* stock item



258R



258R

258F

258RR



258R

Railing Posts & Barriers

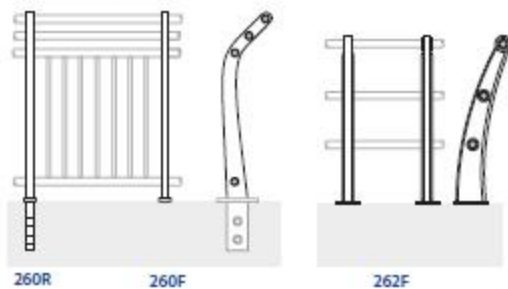
RAILING POSTS

Railing types 260 and 262 are traditionally found in quayside environments. The curved design gives them inherent strength.

With the rail set curved towards pedestrians it discourages climbing. Alternatively with the rail curved away from pedestrians it would form a comfortable viewing platform.

A perch rail is supported by post type 261. This provides a short term seating facility in queuing racks or bus stands and would be particularly useful at theme parks and bus or rail stations.

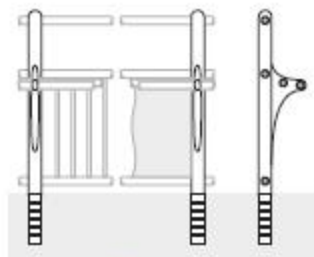
Posts 260, 261 & 262 carry a 48mm diameter rail.



260R

260F

262F



261

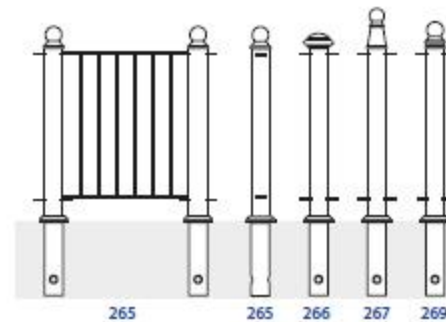
Product dimensions

	height	width	post depth	rail height			
				1	2	3	4
260R	1165	300	125	915	1020	1125	
260F	1165	-	125	915	1020	1125	
261R	1125	300	85	635	745	1075	
262F	1040	-	170	670	990		

* stock item

Railing Posts & Barriers

RAILING POSTS



265

265

266

267

269

Types 265, 266, 267 and 269 are composite cast iron and steel. All steel is galvanised to BS 729 prior to assembly with the cast top or base.

Posts and panels can be supplied in primer paint or fully painted in a two pack epoxy acrylic finish. 265 - 269 bollards are designed to be used with standard 276 type infill panels (illustrated on page 2.12).

Although a single post type can be used throughout a scheme the essential feature of this system is that other posts may be used (such as the 267) at junctions, end of railing runs etc.

This can be used to aid navigation by the visually impaired.

Posts are bolted to the panels for easy maintenance. The loose cover plates provide a neat surface finish.



269

Product dimensions

	height	width	post depth	rail height	
				1	2
265	1210	450	150	1050	
266	1130	450	150	1050	
267	1360	450	150	1050	
269	1225	450	150	1050	

* stock item

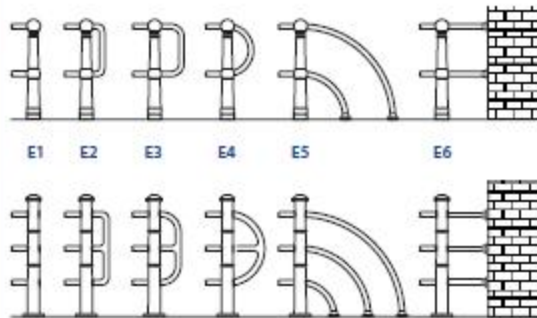
Railing Posts & Barriers

RAIL ENDS

Schemes are enhanced by careful detailing at little or no additional cost.

This page illustrates some solutions to common problems. You are invited to discuss details of your particular scheme with our technical staff.

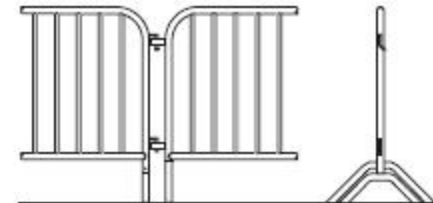
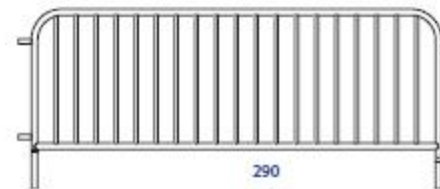
There is a large choice of possible endings to a run of railings. These may be specified using the code numbers E1 to E6 as appropriate.



2.14

Railing Posts & Barriers

CROWD BARRIERS



Type 290 freestanding galvanised steel barriers interlock to form a secure run when fixed at the ends. The feet, which are removable for compact storage, are non-interfering and allow barriers to be set at any angle.

Dimensions

Height	1075
Width	2400
Lag spread	600
Bar gap	130
Frame Ø	38
Vertical Ø	20

290 is a stock item

2.15

Railing Posts & Barriers

BOW-TOP FENCING

Type 289 is a recognised galvanised steel safety fence frequently used where children play.

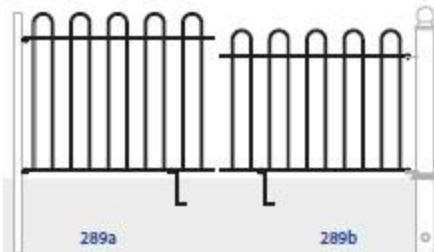
The panels may be bolted to RSJs, plain posts or composite posts such as type 265.

Heights are from 700mm up to a maximum of 1.8 metres. Single and double leaf self-closing gates are also available. All are supplied as standard self-colour galvanised. Polyester powder coating in a range of BS and RAL colours is an optional extra.

Dimensions

	289a	289b
Height	1000	900
Width	2700	2700
Bar gap	112	112

289a is a stock item



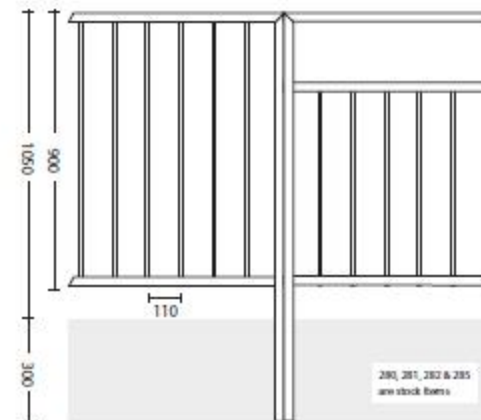
2.16

Railing Posts & Barriers

PEDESTRIAN BARRIERS

Standard pedestrian guard rail types 280-285 are of galvanised steel construction. Conforming to the current BS 7818 specification they offer good protection in pedestrian areas. These designs are widely used throughout the UK.

All standard panels are 2 metres wide and may be supplied as full height or including a view rail, and with in-line or offset verticals. Non standard panel lengths are available made to order.



2.17

PALISADE FENCING

This traditional fencing offers elegance and security whilst allowing freedom for architectural content.

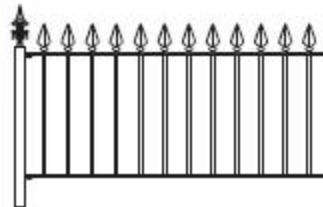
Finials and vertical bars are in various styles, some of which are illustrated. Gates to match fence sections are also available.

Designs comply with building regulations and can be installed to follow RoSPA guidelines.

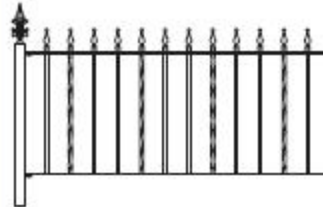
As virtually every installation is different please consult our sales department to discuss your requirements.



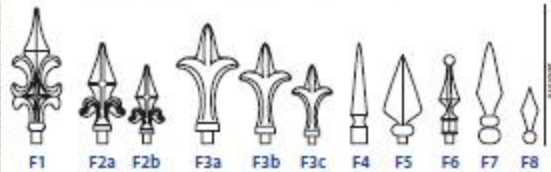
Railing Posts & Barriers



288a + F5

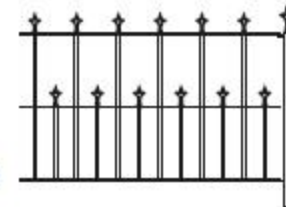


288b + F6

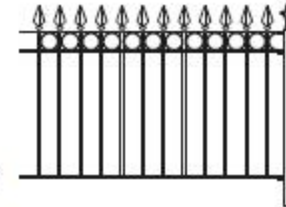


2.18

Railing Posts & Barriers



288c + F3b



288d + F5



PALISADE FENCING



SPECIALS

Using a fabricated design for fencing frees the designer from the constraints of castings.

Combining differing shapes with interesting features and finials the most striking designs can be formed, modern or traditional.

Our own designers would welcome the opportunity to assist you to transform your ideas into reality.

2.19