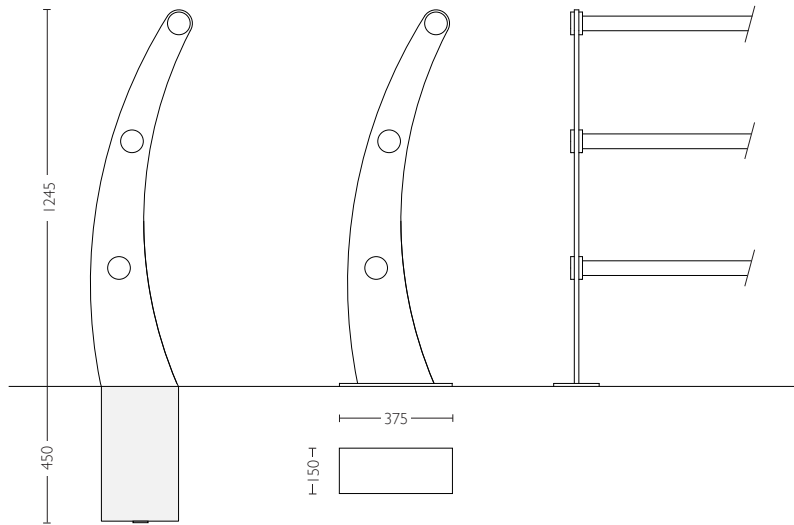
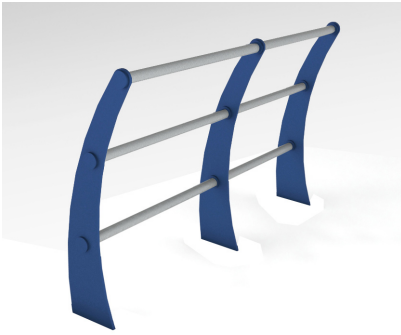


FERRY POST & RAIL RANGE

Ferry 3-Rail



FERRY POST & RAIL RANGE

FERRY 3-RAIL ROOT FIXED

FER 3R R G
Galvanised Mild Steel

OPTIONS:
Powder Coated Steel Finish
Plastic Coated Steel Finish
Stainless Steel Bright Polished Finish
Stainless Steel Satin Polished Finish

FERRY 3-RAIL BOLT DOWN

FER 3R B G
Galvanised Mild Steel
Base Plated

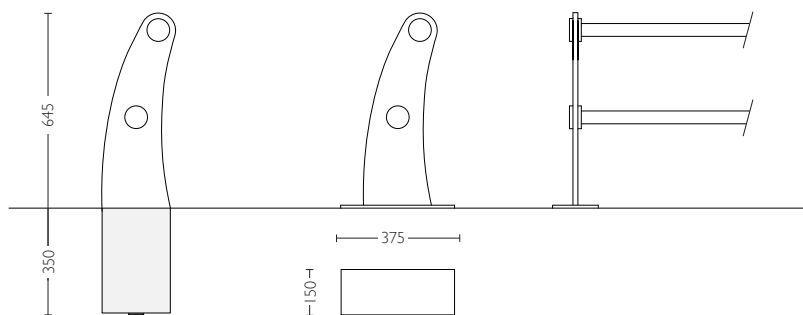
OPTIONS:
Powder Coated Steel Finish
Plastic Coated Steel Finish
Stainless Steel Bright Polished Finish
Stainless Steel Satin Polished Finish

RAIL

MST 48
48Ø Rail
Galvanised Mild Steel

OPTIONS:
33Ø Rail
42Ø Rail
Powder Coated Steel Finish
Plastic Coated Steel Finish
Stainless Steel Bright Polished Finish
Stainless Steel Satin Polished Finish

Ferry 2-Rail



FERRY POST & RAIL RANGE

FERRY 2-RAIL ROOT FIXED

FER 2R R G
Galvanised Mild Steel

OPTIONS:
Powder Coated Steel Finish
Plastic Coated Steel Finish
Stainless Steel Bright Polished Finish
Stainless Steel Satin Polished Finish

FERRY 2-RAIL BOLT DOWN

FER 2R B G
Galvanised Mild Steel
Base Plated

OPTIONS:
Powder Coated Steel Finish
Plastic Coated Steel Finish
Stainless Steel Bright Polished Finish
Stainless Steel Satin Polished Finish

RAIL

MST 42
42Ø Rail
Galvanised Mild Steel

OPTIONS:
33Ø Rail
48Ø Rail
Powder Coated Steel Finish
Plastic Coated Steel Finish
Stainless Steel Bright Polished Finish
Stainless Steel Satin Polished Finish



HARRINGTON & HACKNEY

steel railings



▲ HARRINGTON 3/4 GUARDRAIL
as supplied to College Approach, Greenwich, London

The **Harrington** post and rail system not only offers the protective advantages of steel but has the elegance and traditional appearance of cast iron.



▲ HARRINGTON 3/4 GUARDRAIL
with gold highlighting
as supplied to Bulverhythe Road, St Leonards on Sea

The **Hackney** post and rail system is based on the design of the Harrington. It utilises the use of a bracket, allowing rails to be fixed to the post using just one bolt, thus making installation easier and provides more freedom on complex sites.

Furnitubes steel barriers, manufactured to the highest standards can be fabricated to meet the needs of any individual site. Steel is also fully recyclable.

The beauty of steel is its consistent tensile strength. Economy and material sizes can be balanced to ensure that a particular barrier provides a specific level of protection.



▲ HARRINGTON 3/4 GUARDRAIL
installed in Greenwich, London



▲ HACKNEY 3/4 GUARDRAIL
bracket detail
supplied to LB Hackney

HARRINGTON GUARDRAIL RANGE HARRINGTON POST & RAIL RANGE

TECHNICAL



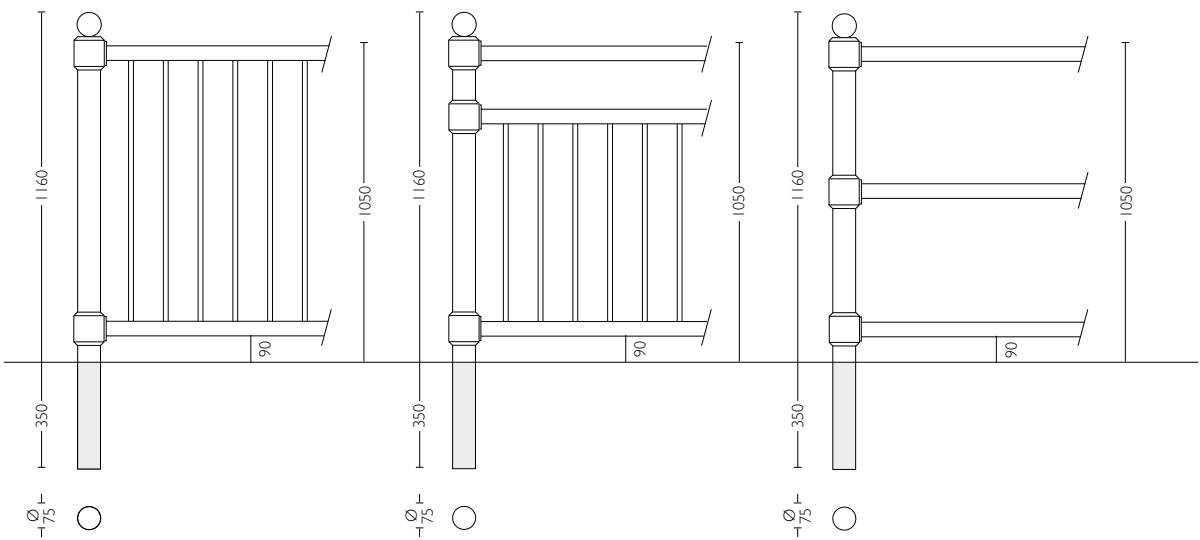
Material
Furnitubes steel railings are 100% recyclable.

Suitability
Before making your final guardrail or post & rail selection please refer to 'Selecting an Appropriate Rail System' notes on pages 112-113.

Materials & Finish
Post and panels are manufactured in steel and supplied in a galvanised finish as standard. We recommend that top coats are applied on site after installation.

Note 1

High Visibility Panels
Materials sections for high visibility panels are as follows:
Horizontal panel rails - 50 sq
Vertical infill bars - Ø16
Top rail (3/4 only) - 50 sq or Ø48



HARRINGTON GUARDRAIL AND POST & RAIL RANGE

FULL GUARDRAIL POST
HAR 2R
Intermediate Post for Full Guardrail Panel

OPTIONS:
End Post
Corner Post
Base Plated

FULL GUARDRAIL PANEL
HARR F
Panel for 2m post pitch
Ø48 horizontal rails
Ø16 vertical infill bars

OPTIONS:
Raked Panel
Radiused Panel
[See Note 1](#)

3/4 GUARDRAIL POST
HAR 3R
Intermediate Post for 3/4 Guardrail Panel

OPTIONS:
End Post
Corner Post
Base Plated

3/4 GUARDRAIL PANEL
HARR 3RQ
Panel & Rail for 2m post pitch
Ø48 horizontal rails
Ø16 vertical infill bars

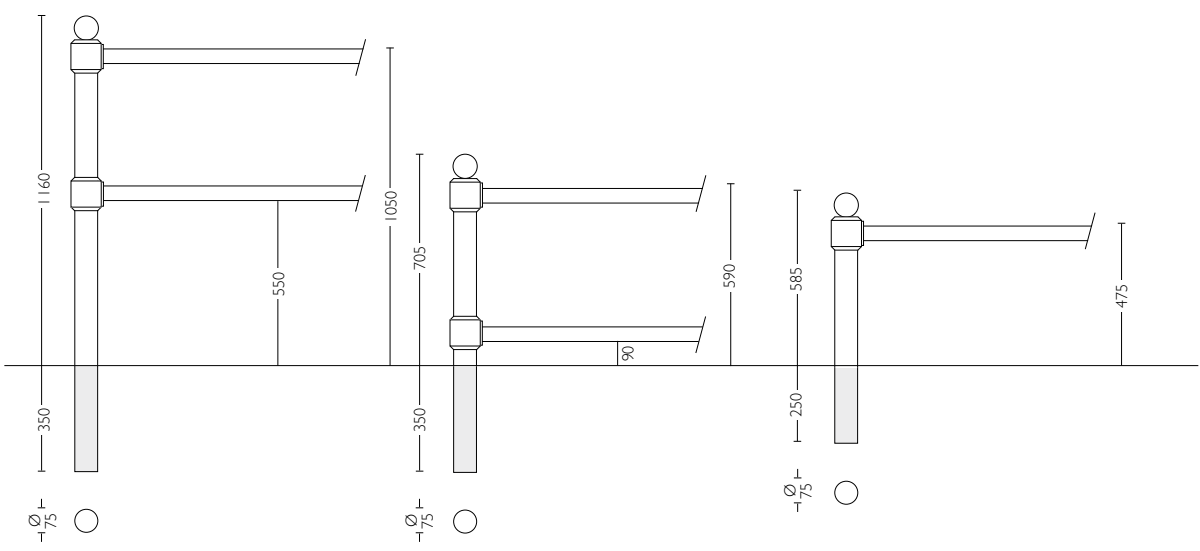
OPTIONS:
Raked Panel & Rail
Radiused Panel & Rail
[See Note 1](#)

3-RAIL POST
HAR 4R
Intermediate Post for 3-Rail

OPTIONS:
End Post
Corner Post
Base Plated

3-RAIL
HARR 3R
Ø48 rails for 2m post pitch

OPTIONS:
Raked Rails
Radiused Rails



HARRINGTON POST & RAIL RANGE

2-RAIL HIGH POST
HAR 5R
Intermediate Post for 2-Rail High

OPTIONS:
End Post
Corner Post
Base Plated

2-RAIL
HARR S2
Ø48 rails for 2m post pitch

OPTIONS:
Raked Rails
Radiused Rails

2-RAIL LOW POST
HAR 6R
Intermediate Post for 2-Rail High

OPTIONS:
End Post
Corner Post
Base Plated

2-RAIL
HARR S2
Ø48 rails for 2m post pitch

OPTIONS:
Raked Rails
Radiused Rails

KNEE-RAIL POST
HAR 7R
Intermediate Post for Knee-Rail

OPTIONS:
End Post
Corner Post
Base Plated

RAIL
HARR S1
Ø48 rail for 2m post pitch

OPTIONS:
Raked Rail
Radiused Rail

Product Codes are in **bold type**. Dimensions are in mm, are approximate and do not form any part of the contract.

We reserve the right to change the design and specification on any item offered and, where possible, notification will be made.

HACKNEY GUARDRAIL RANGE HACKNEY POST & RAIL RANGE

TECHNICAL



Material

Furnitubes steel railings are 100% recyclable.

Suitability

Before making your final guardrail or post & rail selection please refer to 'Selecting an Appropriate Rail System' notes on pages 112-113.

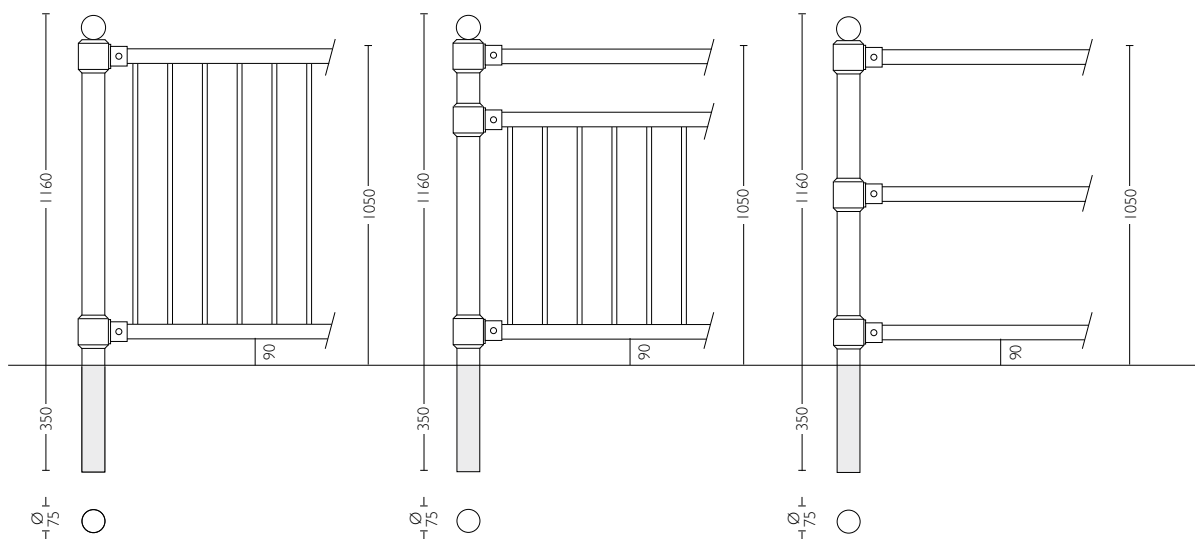
Materials & Finish

Post and panels are manufactured in steel and supplied in a galvanised finish as standard. We recommend that top coats are applied on site after installation.

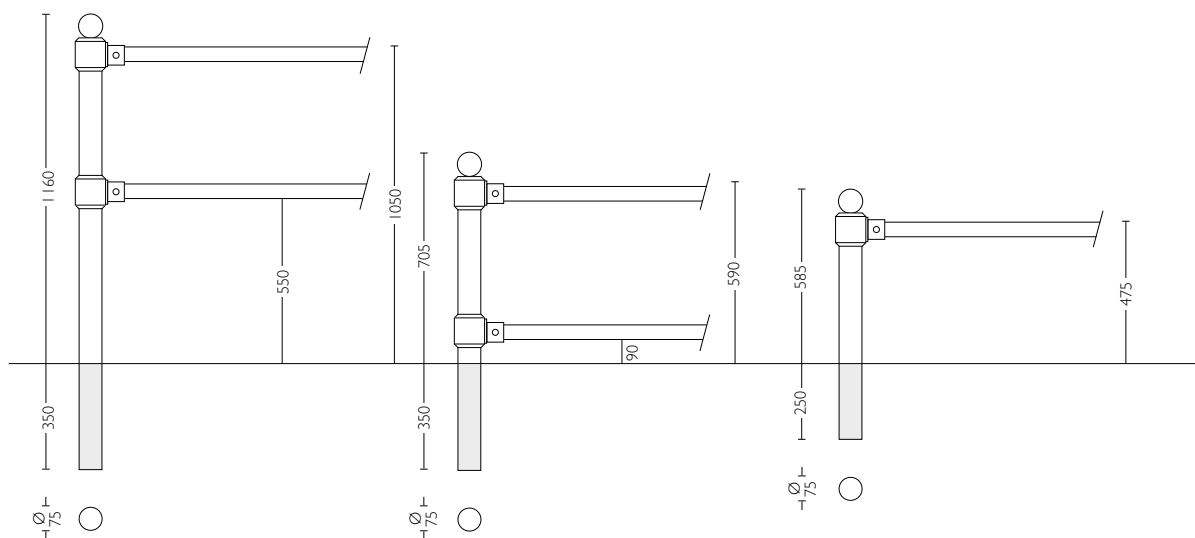
Note 1

High Visibility Panels
Materials sections for high visibility panels are as follows:

- Horizontal panel rails - 50 sq
- Vertical infill bars - Ø16
- Top rail (3/4 only) - 50 sq or Ø48



HACKNEY GUARDRAIL AND POST & RAIL RANGE					
<p>FULL GUARDRAIL POST</p> <p>HAC 2R Intermediate Post for Full Guardrail Panel</p> <p>OPTIONS: End Post Corner Post Base Plated</p>	<p>FULL GUARDRAIL PANEL</p> <p>HACR F Panel for 2m post pitch Ø48 horizontal rails Ø16 vertical infill bars</p> <p>OPTIONS: Raked Panel Radiused Panel</p> <p>See Note 1</p>	<p>3/4 GUARDRAIL POST</p> <p>HAC 3R Intermediate Post for 3/4 Guardrail Panel</p> <p>OPTIONS: End Post Corner Post Base Plated</p>	<p>3/4 GUARDRAIL PANEL</p> <p>HACR S1Q Panel & Rail for 2m post pitch Ø48 horizontal rails Ø16 vertical infill bars</p> <p>OPTIONS: Raked Panel & Rail Radiused Panel & Rail</p> <p>See Note 1</p>	<p>3-RAIL POST</p> <p>HAC 4R Intermediate Post for 3-Rail</p> <p>OPTIONS: End Post Corner Post Base Plated</p>	<p>3-RAIL</p> <p>HACR S3 Ø48 rails for 2m post pitch</p> <p>OPTIONS: Raked Rails Radiused Rails</p>



HACKNEY POST & RAIL RANGE					
<p>2-RAIL HIGH POST</p> <p>HAC 5R Intermediate Post for 2-Rail High</p> <p>OPTIONS: End Post Corner Post Base Plated</p>	<p>2-RAIL</p> <p>HACR S2 Ø48 rails for 2m post pitch</p> <p>OPTIONS: Raked Rails Radiused Rails</p>	<p>2-RAIL LOW POST</p> <p>HAC 6R Intermediate Post for 2-Rail High</p> <p>OPTIONS: End Post Corner Post Base Plated</p>	<p>2-RAIL</p> <p>HACR S2 Ø48 rails for 2m post pitch</p> <p>OPTIONS: Raked Rails Radiused Rails</p>	<p>KNEE-RAIL POST</p> <p>HAC 7R Intermediate Post for Knee-Rail</p> <p>OPTIONS: End Post Corner Post Base Plated</p>	<p>RAIL</p> <p>HACR S1 Ø48 rail for 2m post pitch</p> <p>OPTIONS: Raked Rail Radiused Rail</p>

Product Codes are in **bold type**. Dimensions are in mm, are approximate and do not form any part of the contract.

We reserve the right to change the design and specification on any item offered and, where possible, notification will be made.



OKR

steel railings

The OKR steel railings utilise hooped rings and forged balls in an extremely popular and decorative design.

The OKR is produced using high visibility panels which maximise the motorist's vision from any angle. The staggered vertical bars of the high visibility panels have the visual effect of creating space when viewed at an angle allowing motorists to see pedestrians approaching a crossing point. This is the ideal solution at high risk areas such as outside schools.



▲ OKR GUARDRAIL V2 - high visibility galvanised steel version with balls on top of panel



▲ ▼ OKR V4 GUARDRAIL - high visibility with balls on top of panel installed on Kennington Lane, London



TECHNICAL



Material
Furnitubes steel railings are 100% recyclable.

Product Heights
Dimensions shown apply to installations in level ground only and will vary for non-level (inclined) sites.

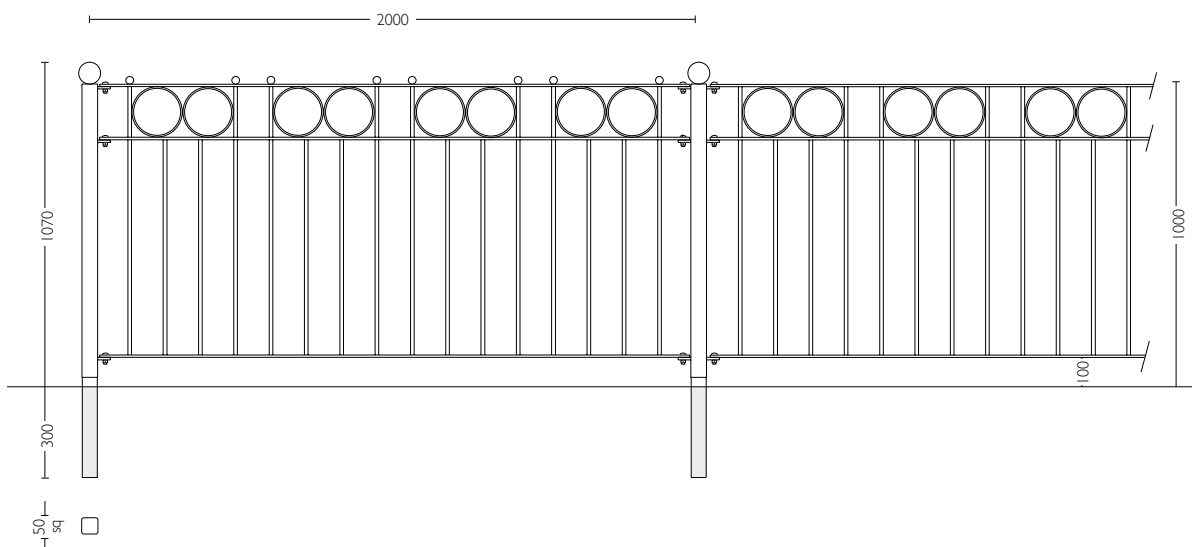
Finish
Posts and rails are manufactured in steel and supplied in a galvanised finish as standard. We recommend that top coats are applied on site after installation.

OKR railings can be supplied Black Powder Coated. However, Furnitubes cannot be held responsible for any damage during transit.

Removable Sockets
Furnitubes offer the FI socket to suit the 50 x 50 OKR railing posts - see page 135.

Product Codes are in **bold type**. Dimensions are in mm, are approximate and do not form any part of the contract.

We reserve the right to change the design and specification on any item offered and, where possible, notification will be made.



OKR POST & RAIL RANGE

END POST

OKR 301
End Post

INTERMEDIATE POST

OKR 302
Intermediate Post

GUARDRAIL PANEL WITH BALLS

OKR 306
Panel for 2m post pitch
70 x 8 horizontal rails with balls on top
12 square vertical infill bars

OPTIONS:
High Visibility Panel

GUARDRAIL PANEL WITHOUT BALLS

OKR 305
Panel for 2m post pitch
70 x 8 horizontal rails
12 square vertical infill bars

OPTIONS:
High Visibility Panel

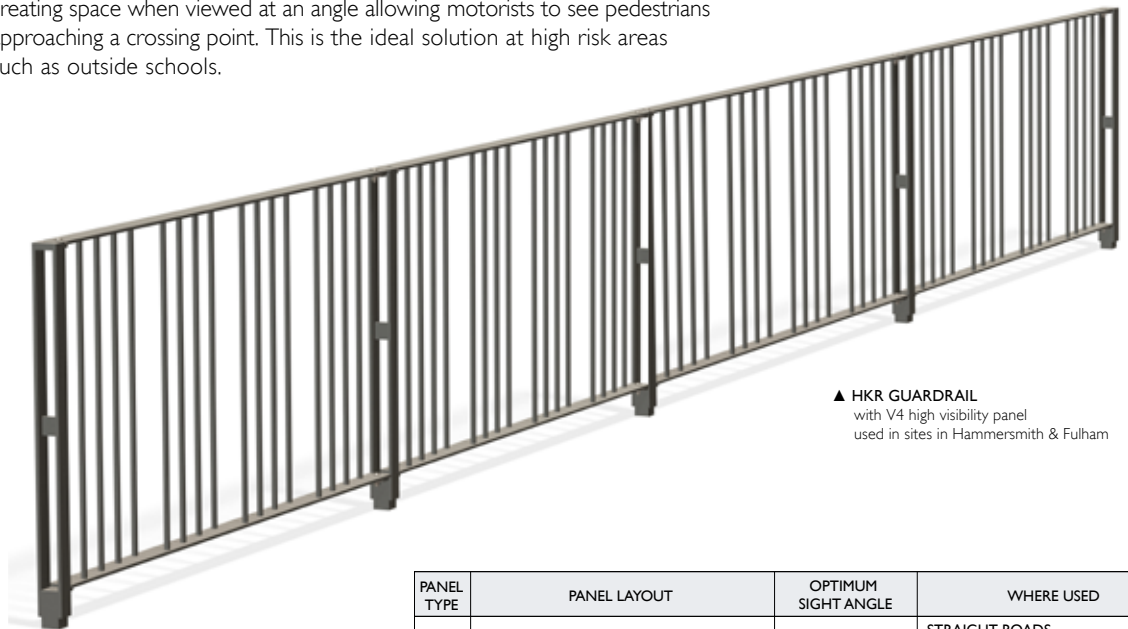


HKR

steel railings

The HKR railings utilise high visibility panels which maximise the motorist's line of sight.

The staggered vertical bars of the high visibility panels have the visual effect of creating space when viewed at an angle allowing motorists to see pedestrians approaching a crossing point. This is the ideal solution at high risk areas such as outside schools.



▲ HKR GUARDRAIL with V4 high visibility panel used in sites in Hammersmith & Fulham

TECHNICAL



Material
Furnitubes steel railings are 100% recyclable.

Product Heights
Dimensions shown apply to installations in level ground only and will vary for non-level (inclined) sites.

Finish
Posts and rails are manufactured in steel and supplied in a galvanised finish as standard. We recommend that top coats are applied on site after installation.

HKR railings can be supplied Powder Coated. However, Furnitubes cannot be held responsible for any damage during transit.

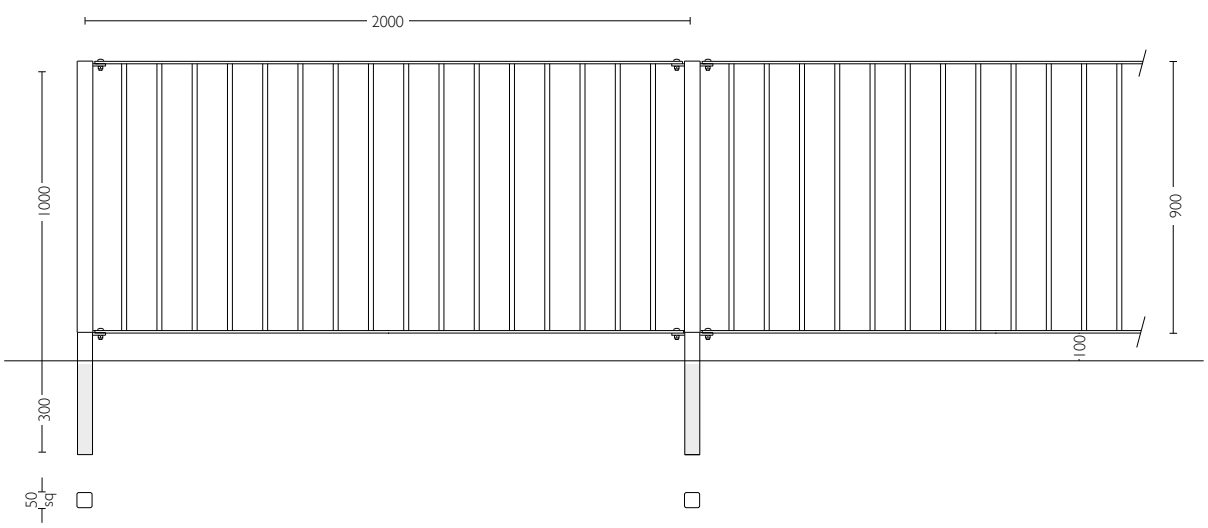
Removable Sockets
Furnitubes offer the FI socket to suit the 50 x 50 HKR railing posts - see page 135.

Product Codes are in **bold type**. Dimensions are in mm, are approximate and do not form any part of the contract.

We reserve the right to change the design and specification on any item offered and, where possible, notification will be made.

PANEL TYPE	PANEL LAYOUT	OPTIMUM SIGHT ANGLE	WHERE USED
V2		2.5° TO 5°	STRAIGHT ROADS MODERATE SPEEDS
V4		5° TO 14°	BENDS. SLOW SPEEDS
V8		MORE THAN 14°	BELLMOUTHS. SITE WHERE VISIBILITY IS NOT THE MAIN REQUIREMENT

▲ HIGH VISIBILITY CHART



HKR POST & RAIL RANGE		
END POST HKR 301 End Post	INTERMEDIATE POST HKR 302 Intermediate Post	GUARDRAIL PANEL HKR 308 Panel for 2m post pitch 70 x 8 horizontal rails 12 square vertical infill bars OPTIONS: High Visibility Panel

1:25 FRONT ELEVATION & GROUND LEVEL SECTION