



**Q40 Fencing & Gates**

**Fencing Type:** Apex Railing System

**Manufacturer:** Zaun Limited, Steel Drive, Wolverhampton, WV10 9ED

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**Product reference:**

Apex Railing. - 0.500-3.0 m height.

**Height:**

[ \_\_\_\_\_ ] - Insert requirements.

**Panel Width:**

2.932 mtr

**Post Ground Fixing:**

[Bolt down] [In ground] [Wall].

**Panel Termination:**

[Ground Level]

**Fence Toppings:**

[CCTV Camera / Lighting Mount] [Barbed Wire] [Razor Coil] [Flat Wrap Razor Coil] [Electric Topping]  
[Cranked Topping] [Other Topping] [None]

**Colour:**

[Galvanised Only] [Black RAL 9005] [Green RAL 6005] [White RAL 9010] [Blue RAL 5010] [Blue BS 20-C-40] [Brown RAL 8017] [Yellow RAL 1021] [Grey RAL 7012] [Red RAL 3000] For installations within 500 metres of water or estuary [Marine coated Insert RAL/BS]

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## Gates:

Matching Apex Railing Gates available as:

[Not required].

[Single Leaf] Swing Gate (w:5000mm x h:3000mm maximum), [\_\_\_ m width x \_\_\_m height] [height and design to match fence] [Other please detail] 180° opening, tamper proof hinges. Supply as [Right hand hanging] [Left hand hanging], [Opening outwards] [Opening inwards] complete with slide latch.

[Double Leaf] Swing Gate (w:5000mm x h:3000mm per leaf maximum) [\_\_\_m width x \_\_\_m height] [height and design to match fence] [Other please detail] 180° opening, tamper proof hinges. Supply as [Right hand hanging] [Left hand hanging], [Opening outwards] [Opening inwards] complete with slide latch and drop bolts.

[Single Leaf] [Double Leaf] Cantilevered Sliding Gate (w:10000mm x h:2400mm per leaf maximum) [\_\_\_m height x \_\_\_ m width] [height and design to match fence] [Other please detail]

## Gate Operation:

[Manual] [Automated]

## Gate Access Control:

[Manual key lock and handle] [Card Systems] [Ground Loops] [Hard-Wired Audio Intercom] [Hard-Wired Video Intercom] [Key Fob] [Key Pad] [Key Switches] [Push Button] [Time Clocks] [Token Reader] [Traffic Lights]

## Gate Topping:

[CCTV Camera / Lighting Mount] [Barbed Wire] [Razor Coil] [Flat Wrap Razor Coil] [Electric Topping] [Cranked Topping] [Other Topping] [None]

## Guidance for Duo from Zaun Limited

More about Duo: As standard - Options

As standard

## Panels:

Vertical bars are manufactured from either 25x25mm Square Tube, 30x30mm Square Tube, Ø25mm Round Tube, or Ø30mm Round Tube. The horizontal rails are either 60x40mm Rectangular Hollow Section, or 50x25mm Rectangular Hollow Section. Available Galvanised Only **OR** Galvanised & polyester powder coated to pass 1,008 hour salt spray testing.

## Posts:

Posts sizes are.

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Various Rectangular hollow section (RHS) posts sizes dependent on height (see chart below for details), spaced at 2980mm centres, available with either in-ground, bolt down or cranked installation options. Post galvanised to BS EN 1461 as standard & polyester powder coated to pass 1,008 hour salt spray testing. Available Galvanised Only **OR** Galvanised & polyester powder coated.

Each post is supplied with flat post caps in polypropylene.

## **Post to panel fixing:**

Concealed Lugs bolted within the horizontal rails are in turn bolted to the posts via hidden fixings

## **Gates:**

Framed in a RHS with tubular style railing infills to match the Apex Railing panel fabric and supplied with a slide latch. Gate supplied with a slide latch, rubber bump stop and two suitable gate posts. Vehicular access also supplied with drop bolts.

## **Conformity:**

Apex railings satisfy the requirements for Category 1 (General) and Category 2 (Security) fences as prescribed by BS EN 1722 Part 14.

Upon receipt on site, or during storage off site, all care is to be taken to ensure that no damage is incurred and that all precautions are taken against vandalism and theft.

## **Installation:**

Set out and erect fencing as shown on drawings.

### **Gradients:**

Different gradients are achieved by raking the adjoining panels and / or reducing the post centres and width of the panel giving a maximum gradient of 1 in 4.

For gradients steeper than 1 in 4, fabricated panels to suit the ground slope should be ordered.

### **Posts:**

Posts set rigid, plumb and to specific depth, or greater where necessary to ensure adequate support.

### **Panels:**

Panels that are cut on site are to be made good using a zinc-etch primer paint, followed by a top coat of polyurethane repair paint.

### **Fixings:**

All correct fixings and components securely fixed.

## **Setting Posts in Concrete:**

Holes are neatly excavated with vertical sides.

Concrete mix: GEN1 or ST2 to BS EN 206-1 using 20mm nominal size graded aggregates

All concrete should be thoroughly compacted prior to the initial set.

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Exposed concrete foundations must be compacted until air bubbles cease to appear on the upper surface.

## **Completion:**

Cleaning:

General: leave the works in a clean and tidy condition

Surfaces: Clean immediately before handover

Gates: Test hinges, latches and closers and adjust to provide smooth operation. Lubricate where necessary. Provide manuals, keys and access controls.