

JF/Q40/0115

Manufacturer: Jacksons Fencing.

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Tel: +44 (0)1233 750393.

Product Reference: Estate Railings Gates

Service Life of Fencing

All Jacksons steel fencing and gates are designed and manufactured to be fit for purpose and provide a minimum 25 year service life and are additionally covered by an industry leading 25-year Service Life guarantee to deliver lowest whole life cost and significantly reduced carbon footprint.

Fencing & Posts:

Height:

[1200mm, post dimensions 50 x 25mm]

Estate railings correspond(s) to the generic component/material "steel" in the BRE Global Guide online generic specification(s) "Galvanised steel railings" which achieve(s) a summary rating of B within commercial, domestic, residential, health, industrial, education.

Panel Construction:

Estate railings come as a kit form, constructed from a 50 x 50mm metal posts and 19mm diameter x 1.5mm circular hollow section

Post Construction:

Posts are made using rectangular hollow section steel hot dip galvanised inside and out to BS EN 1461 as standard and supplied with flat post caps in black polypropylene.

Fixings:

Fence panels are fixed to posts with matching Jacksons proprietary vandal-proof panel to post brackets as standard at specified points subject to fence height and wind loading.

Finish / Colour:

[Fence panels and posts supplied galvanised inside and out to BS EN 1461 as standard]

[Fence panels and Posts galvanised inside and out to BS EN 1461 then polyester powder coated with Akzo Nobel Interpon coating in standard
[Black RAL 9005]. [Green RAL 6005]. [White RAL 9010]. [Blue RAL 5010]. [Blue BS 20-C-40]. [Brown RAL 8017].
[Yellow RAL 1018]. [Grey RAL 7012]. [Red RAL 3020].

[Fence panels], [Posts and Brackets] as standard then polyester powder coated with Akzo Nobel Interpon coating in special [Insert RAL/BS],

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For installations within 50 and 150m of salt water [Marine coated Insert RAL/BS] –

Installation:

Set out and erect:

- Alignment: Straight lines or smoothly flowing curves, fenceline may be stepped to accommodate sloping or uneven ground.
- Tops of posts: Following profile of the ground.
- Setting posts: Rigid, plumb and to specified depth, or greater where necessary to ensure adequate support.
- Fixings: All components securely fixed.

Setting posts in concrete:

- Standard: To BS 8500-2.
- [Mix: Designated concrete not less than GEN1 or Standard prescribed concrete not less than ST2.]
- [Alternative mix for small quantities: 50kg Portland cement to 150kg fine aggregate to 250kg, 20mm nominal maximum size coarse aggregate, medium workability.]
- [Admixtures: Do not use].
- Holes: Excavate neatly and with vertical sides.
- Filling: Position post/strut and fill hole with concrete to not less than the specified depth, well rammed as filling proceeds and consolidated.
- [Backfilling of holes not completely filled with concrete: Excavated material, well rammed and consolidated.

Completion:

Cleaning:

- General: Leave the works in a clean, tidy condition.
- Surfaces: Clean immediately before handover.

Fixings:

- All components: Tighten.
- Timing: Before handover.

Gates:

Matching Estate gates available as:

[Single leaf Swing gate at (3000 x 10000 mm maximum) [?m width, ?m height] [height and design to match fence] [other please detail] 180° opening, tamper proof hinges. 60 x 40 mm rails, 60 x 60 mm stiles. Square

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section steel posts subject to size of gate. Supply as [right hand hanging] [left hand hanging], [opening outwards] [opening inwards] complete with key lock, handles and gate stop.

[Double leaf] Swing gate at (3000 x 20000 mm per leaf maximum) [?m width, ?m height] [height and design to match fence] [other please detail] 180° opening, tamper proof hinges. 60 x 40 mm rails, 60 x 60 mm stiles. Square section steel posts subject to size of gate. Supply as [right hand hanging] [left hand hanging], [opening outwards] [opening inwards] complete with key lock, handles, centre gate stop and drop bolts.

Gate Operation:

[Manual].

[Manual with safety anti-trap self closing and soft stopping hinges to RoSPA approved design at ?m width, ?m height] (single leaf up to 2.0m high, 1.2m wide) subject to solidity

[Automated] Jacksons Fencing automated gate CE marked according to the European directive: Construction products directive (89/106/EC): Constructed in line with standard BS EN 13241-1 2003 + A1 2011 for industrial, commercial and garage doors and gates, and installed in compliance with Gate Safe and DHF guidelines; low voltage directive (72/23/EEG); EMC Directive (2004/108/EG).

[Automated gate with Jacksons rear mounted operator]. CE marked according to the European directive: Construction products directive (89/106/EC): Constructed in line with standard BS EN 13241-1 2003 + A1 2011 for industrial, commercial and garage doors and gates, and installed in compliance with Gate Safe and DHF guidelines; low voltage directive (72/23/EEG); EMC Directive (2004/108/EG).

[Automated gate with Jacksons Underground operator]. CE marked according to the European directive: Construction products directive (89/106/EC): Constructed in line with standard BS EN 13241-1 2003 + A1 2011 for industrial, commercial and garage doors and gates, and installed in compliance with Gate Safe and DHF guidelines; low voltage directive (72/23/EEG); EMC Directive (2004/108/EG).

Gate Construction:

Mesh panels with 'V' profile with 2 – 4 reinforcing folds subject to height are made using 5mm horizontal and vertical wires with 195x45mm centres welded at intersections which are Jakcoate treated as standard, employing a 150 g/m² zinc alloy coating to provide a service life up to 4 times longer than galvanised products.

Gate frames are made using rectangular hollow section steel hot dip galvanised inside and out to BS EN 1461 as standard and supplied with flat post caps in black polypropylene.

Frame size will be dependant on panel size.

Fixings:

Fence panels are fixed to posts with matching Jacksons proprietary vandal-proof panel to post brackets as standard at specified points subject to fence height and wind loading.

Finish / Colour

[Gate panels supplied Jakcoate finished as standard], [Gate posts and frame supplied galvanised inside and out to BS EN 1461 as standard], [Fixings supplied galvanised to BS EN 1461 as standard]

[Gate panels], [Gate posts, frame and fixings] as standard then polyester powder coated with Akzo Nobel Interpon coating in standard [Black RAL 9005]. [Green RAL 6005]. [White RAL 9010]. [Blue RAL 5010]. [Blue BS 20-C-40]. [Brown RAL 8017]. [Yellow RAL 1018]. [Grey RAL 7012]. [Red RAL 3020].

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[Fence panels], [Posts and Brackets] as standard then polyester powder coated with Akzo Nobel Interpon coating in special [Insert RAL/BS], [Marine coated Insert RAL/BS] – (For installations within 50 and 150m of salt water).

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]. [Photocells]. [Push button]. [Safety edges]. [Time Clocks]. [Token reader]. [Traffic lights] [Biometrics] [number plate recognition]

Completion

Gates:

- Hinges, latches and closers: Test operation and adjust to provide smooth operation. Lubricate where necessary. Provide manuals, keys and access controls.
- Timing: Before handover.

Gate Accessories:

[None]. [Barbed wire topping]. [Razor wire topping]. [Integrated Jaktronic Perimeter Intruder Detection System]. [Gate post adapted for CCTV camera mounting] [Rota spike]