

Manufacturer: Jacksons Fencing.

Web: www.jacksons-security.co.uk.

Tel: +44 (0)1233 750393.

Product Reference: Barbican Imperial®

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:

[1000mm, post dimensions 60 x 60mm, pales cut a 45 degrees to form a point]

[1000mm, post dimensions 60 x 60mm, flat top pales]

[1250mm, post dimensions 60 x 60mm, pales cut a 45 degrees to form a point]

[1250mm, post dimensions 60 x 60mm, flat top pales]

[1500mm, post dimensions 60 x 60mm, pales cut a 45 degrees to form a point]

[1500mm, post dimensions 60 x 60mm, flat top pales]

[1800mm, post dimensions 60 x 60mm, pales cut a 45 degrees to form a point]

[1800mm, post dimensions 60 x 60mm, flat top pales]

[2000mm, post dimensions 60 x 60mm, pales cut a 45 degrees to form a point]

[2000mm, post dimensions 60 x 60mm, flat top pales]

[2500mm, post dimensions 80 x 60mm, pales cut a 45 degrees to form a point]

[2500mm, post dimensions 80 x 60mm, flat top pales]

[3000mm post dimensions 80 x 60mm, pales cut a 45 degrees to form a point]

[3000mm post dimensions 80 x 60mm, flat top pales]

Pale Construction:

25 x 25mm round hollow section spacing at 124mm/129mm centres (depending on height of panel) welded pale through rail construction cut at a 45 degree angle on 1.5m high and above. Pales protrude 175mm above the top rail and 100mm below the bottom rail.

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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.

Post size will be dependant on location and panel size.

Post dimension and top can be designed to [mount CCTV camera / lighting], [carry barbed wire / razor wire / other / security topping/rotaspikes].

Finials:

[A] [B] [D] [G] [H] [I] [M] [N]

Toppings

[Rota Spike]

[Barbed wire]

[Concertina barbed wire]

Fixings:

Fence panels are fixed to posts with matching Jacksons proprietary concealed vandal-proof panel fixings

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 and posts galvanised as standard then polyester powder coated with Akzo Nobel Interpon coating in special [Insert RAL/BS],

For installations within 500m of salt water or estuary [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.

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- [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.

Fence Accessories:

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

Gates:

Matching Barbican Gates available as:

[Single leaf Swing gate at (3000 x 7000 mm maximum) [?m height, ?m width] [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 and gate stop.

[Double leaf] Swing gate at (3000 x 14000 mm per leaf maximum) [?m height, ?m width] [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.

[Single leaf] [Double leaf] (Cantilevered sliding gate at 3000 x 10 000 mm maximum width per leaf) [?m height, ?m width] [height and design to match fence] [other please detail]. 60 x 40 mm steel rails, 80 x 80 mm steel portals.

[Single leaf] [Double leaf] Tracked sliding gate (auto to be considered) (3000 x 15000 maximum width per leaf) to special order at [?m width, ?m height] [height and design to match fence] [other please detail] to operate on level ground.

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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 2.5m high, 1.2m wide) subject to solidity

[Automated] Jacksons Fencing automated gate CE marked according to the European directives: Machinery Directive is 2006-42-EC, Construction products directive (89/106/EC), low voltage directive (73/23/EEG), EMC directive (2004/108/EG) and design tested according to standard EN 13241-1 for industrial, commercial and garage doors and gates and installed in compliance with Gate Safe and DHF guidelines.

[Automated gate with Jacksons rear mounted operator]. CE marked according to the European directives: Machinery Directive is 2006-42-EC, Construction products directive (89/106/EC), low voltage directive (73/23/EEG), EMC directive (2004/108/EG) and design tested according to standard EN 13241-1 for industrial, commercial and garage doors and gates and installed in compliance with Gate Safe and DHF guidelines.

[Automated gate with Jacksons Sliding Gate Operator]. CE marked according to the European directives: Machinery Directive is 2006-42-EC, Construction products directive (89/106/EC), low voltage directive (73/23/EEG), EMC directive (2004/108/EG) and design tested according to standard EN 13241-1 for industrial, commercial and garage doors and gates and installed in compliance with Gate Safe and DHF guidelines.

[Automated gate with Jacksons Underground operator]. CE marked according to the European directives: Machinery Directive is 2006-42-EC, Construction products directive (89/106/EC), low voltage directive (73/23/EEG), EMC directive (2004/108/EG) and design tested according to standard EN 13241-1 for industrial, commercial and garage doors and gates and installed in compliance with Gate Safe and DHF guidelines.

Gate Construction:

Vertical rectangular hollow section 25x25mm pales are passed through the rails with standard spacing at 129mm centres (which complies to Building Regulations) and welded into position. Tops of pales are cut at a 45 degree angle, on 1.5m high above.

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(s) and posts supplied galvanised inside and out to BS EN 1461 as standard]

[Gate(s) 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].

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[Gate(s) and posts are galvanised as standard then polyester powder coated to Akzo Nobel Interpon coating in special [Insert RAL/BS]

For installations within 500m of salt water or estuary [Marine coated Insert RAL/BS] –

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]