

## Description

### Guardian – Folding Range – Hector

Designed for helicopter/aircraft hangars, spray booths, multi-vehicle entrance bays, large goods/vehicle bays and workshops, the Hector multi-leaf folding door is fully insulated and specially suited for larger span openings.

Available in a variety of configurations to accommodate openings of unlimited width and up to 6 metres in height (or more by special design).

Multi-leaf construction allows the door to be partially opened when full aperture access is not required.

Manual doors can fold within or completely clear of the opening, requiring minimal side and headroom.

Fully weathersealed for low heat loss and incorporating full height finger-nip protection between the leaves for operator safety.

Power operation is available for openings up to 18 metres wide, with a choice of safety and control options.

Key features:

Sealed-for-life, self-lubricating bearings.

Flat panel, single piece insulated construction.

Soffit or sidewall mounting.

Galvanised bottom guide track with corrosion-proof guides.

Co-ordinated aluminium hardware.

Complies with latest CEN regulations.

Consult with Guardian Industrial Doors Ltd technical literature for details. Guardian Industrial Doors Ltd can provide a complete service, including design, opening preparation, installation, maintenance and servicing and it is recommended that they are consulted early in the design process.

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**Product reference:** Folding Range – Hector Sliding Folding Door

**Performance:** Consult with Guardian Industrial Doors Ltd for recommendations and details.

**Arrangement:** Top-hung, flat panelled multi-leaf sliding folding door

#### Opening size:

Unlimited width for manually operated and up to 20 metres width for power operated.

Maximum height 6m and maximum size 50m<sup>2</sup> for door to one side arrangement and 100m<sup>2</sup> for door bi-parting arrangement.

Consult with Guardian Doors for maximum opening sizes for each configuration.

#### Track system:

Top track:

5mm thick pressed channel for direct side wall or soffit mounting with pendant hangers to each leaf, each with a 72mm sealed bearing wheel, two 40mm side thrust sealed bearing wheels and toughened steel shaft, fully vertically adjustable.

Bottom guide channel:

3mm thick galvanised steel pressing with built-in threshold and chamfered edges. Bottom guides to be 35mm nylon rollers running on 16mm stainless steel shafts.

#### Door leaf:

**Thickness:** 52 mm.

#### Leaf construction:

Cold rolled galvanised channel frame, with local reinforcement for hardware and covered both sides with galvanised steel sheets. The panel to be injected with CFC free expanded polyurethane insulation during the manufacturing process.

#### Hinges:

Hinges to be extruded anodised aluminium fittings with 16mm stainless steel pins with self-lubricating bushes.

#### Seals:

EPDM rubber seals fitted at threshold, jambs and all joints between leaves. A brush seal is fitted at the head. All vertical joints provide full finger trap protection and the overall door is fully weather sealed.

**Finish as delivered:** Select from:

200XT Plastisol outside; Colour: choice of 7 colours (Guardian Industrial Doors Ltd) for availability of colours and to obtain samples), 200XT Plastisol inside; Colour: White

Polyester powder coated outside; Colour: RAL (choice of any RAL colour), including external hinges and trims, 200XT Plastisol

inside; Colour: White

Polyester powder coated both faces in RAL ; Colour: (choice of any RAL colour), including all hinges, handles and trims

Galvanised steel sheets to both faces

#### Operation:

Manual operation – (all configurations can be manually operated)

Electric operation using Ovisor TVRFC operators, c/w Westrow Type 1 inverter control panel with Soft start / Stop and an Open-Close-Stop push button.

Power requirements: 240V, 50 Hz, Single Phase.

#### Optional power operation equipment:

Low level manual release system

ATR - automatic timed return (if ATR selected, door must be fitted with Photocell or Safety Edge)

Send Receive Photocell

Pneumatic Safety Edge

Extra push button station

Key lockable switch

Digi-key pad  
Infra-red remote control  
Induction loops (one or both sides of opening)  
PIR detector

**Ironmongery:**

**Manual Operation:**

Drop bolt and pull handle fitted internally to each pair of leaves, with odd leaf fitted with drop bolt and aluminium handle as standard.

Espagnolette bolt – waist height lever handle to engage a 30 x 10mm steel bar into a socket in the floor and at the head and fitted internally at the intermediate joints between leaves.

Active leaf – Single leaf used as full height pass door. Standard furniture to comprise black lever handles, mortice sash lock, external Europrofile cylinder lock with internal thumb turn.

Consult with Guardian for further details

**Power Operation:**

Drive motor to automatically lock the door in the closed position. Low-level manual release chains to allow each motor to disconnect for hand operation.

Heavy-duty pull handle to be fitted internally to the leading edge leaf for manual operation.

Espagnolette bolt – waist height lever handle to engage a 30 x 10mm steel bar into a socket in the floor and at the head and fitted internally at the intermediate joints between leaves and interlocked with motor.

**Other requirements:**

Wicket Door - Outward opening with mortice sashlock, low-profile lever furniture and external cylinder

Wicket door with panic bar and external cylinder

Vision Panels:

Size: 680 x 390 acrylic vision panels / 680 x 500 toughened glass vision panels with radiused corners

Mounted: Vertically / Horizontally