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strength in design



# 01DB100



/Heavy Duty Industrial Door



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Due to continual product development Fortress Industries Ltd. reserve the  
right to alter specifications/details without prior notice.

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## 01 specification Fortress DB100



Heavy Duty Industrial Door c/w  
18G 100mm galvanised steel lath  
Aluminium base bar c/w integral rubber seal  
DB100 galvanised windlock guides c/w integral seals and brush strips  
Auto lock chain brake safety system  
3 phase heavy duty industrial motor  
Manual over-ride system



accredited to meet all required standards.

**DB100/06 02**

# 01 DB100

## INDUSTRIAL ROLLER SHUTTER

The DB100 allows you to specify a roller shutter up to 10 metres wide x 10 metres high.

Where your industrial doors may be subjected to high wind loadings or heavy duty requirements the DB100 is your absolute solution.

### GENERAL SPECIFICATION

The Shutter Curtain is fabricated from interlocking 100mm galvanised steel laths with end locks secured at the ends of alternate lath. An extruded aluminium base bar incorporating a rubber seal finishes the bottom of the curtain.

Side guides are fabricated from 2.5mm galvanised steel with synthetic caps and brush on the edges.

The DB100 is electrically operated by means of the Fortress Drive System. The motor is supplied with an emergency manual operation for use in the event of power failure. Chain brakes are a standard safety feature.

The standard finish is a galvanised curtain with non-galvanised components painted one coat primer.

### ELECTRICAL OPTIONS

All DB100 Doors are electrically operated by conventional industrial three phase motors (single phase available on request). Standard operation sequence, push to run open, dead-man close and emergency stop. Please contact our technical department in relation to door sizes and customer usage; normal usage 4-5 operations per hour. Shown is a list of custom variations to tailor your individual requirements:

- 01 Increased IP (Ingress Protection) rating for harsh conditions such as wet or dusty environments.
- 02 Zone 1 or 2 options where there is combustible airborne matter or fumes with a low flash point (explosion proof motors).
- 03 The normal manual override requires access to the motor. A low level manual override is available which can be engaged from ground level.
- 04 Remote control operation complete with transmitter
- 05 Induction Loop/a loop which is sunk into the ground which senses the presence of a metal wheeled vehicle to automatically open the door. Particularly favoured where there is a lot of pedestrian traffic which will not be detected.
- 06 Radar Sensor/the radar senses movement to open the door.
- 07 Auto Closing/a timer can be linked to the starter which will automatically close the door after a predetermined time. Must be in conjunction with safety features.
- 08 Photocell Safety Sensor/a photocell beam across the opening above ground level senses an obstacle in the opening and returns the door to fully open.
- 09 Pneumatic Safety Edge/fitted to the base bar, it returns the door to the opened position if it touches an obstacle in the opening.

To achieve the optimum performance of your door Fortress recommend that a number of these features are utilised to ensure ease of use, and maximum safety. Our technical department will be pleased to advise on these options.

**Fortress Industries Ltd** have complete Sales, Contracts, Service and Technical departments, whom would be delighted to assist you with further information/telephone: **+44 2890 342655**



### DB100 OPTIONAL EXTRAS

Coil casing or fascia manufactured out of galvanised sheet steel.

Motor hood.

PPC-Polyester powder coated finish to curtain from standard RAL range

Wicket gate (personnel door) standard size is 600 x 1830 complete with 5 lever lock. Also available as an emergency open device. Micro switch to prevent roller shutter from being opened when the wicket gate is closed.

Brush seal to head (soffit support by others).

Wind locked lath.

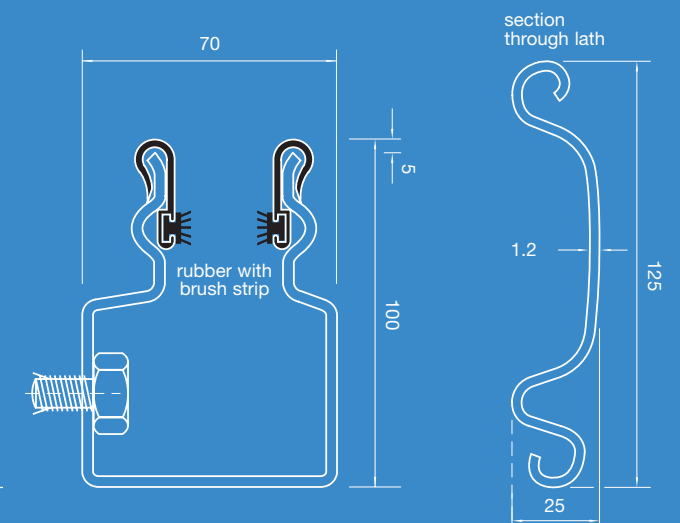
High security ground lock.

Anti Ram posts.

OPENING HEIGHT	END PLATE DIMENSIONS		
D	A	B	C
2700	800	400	400
3500	800	450	450
5000	800	500	500
7000	900	600	600

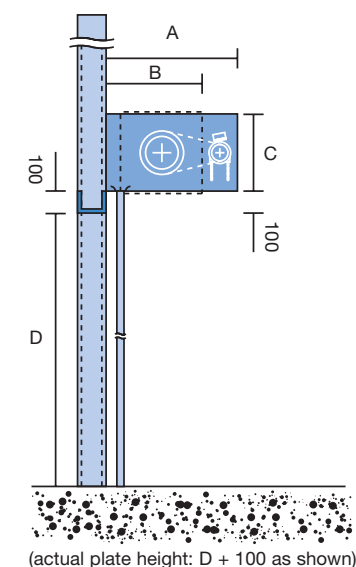
all dimensions given in millimetres

### DB100 GUIDE/SHOWN NOT TO SCALE



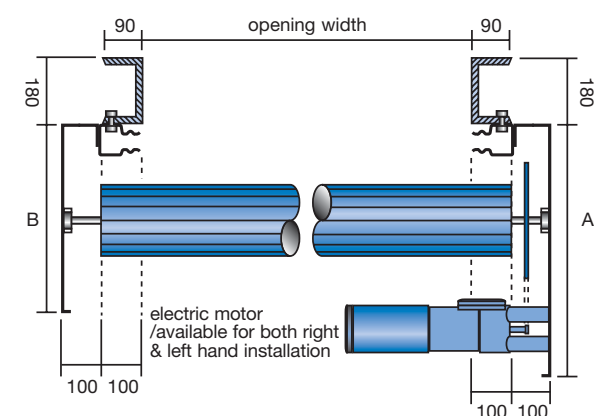
section through DB100 guide/DB100 curtain

standard chain brake



### ANATOMY OF A ROLLER SHUTTER

shown not to scale:



### DB100 SPECIFICATION SHOWN ON BACK PAGE