



**FORTRESS**

:doors



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strength in design



# 05DBi100



/Insulated Roller Shutter



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

**05DBi100** printed June 2002

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## 05 specification

### Fortress DBi100



Industrial Insulated Door c/w  
100mm double skinned galvanised steel lath c/w  
expanded polystyrene insulated core  
U value 0.70/WN2K  
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.

**DBi100/06 02**

strength in design

# 05DBi100

## INSULATED ROLLER SHUTTER

The double skinned lath offers both designed strength and an energy saving insulation.

Aesthetically the DBi100 is the designers choice. The engineered design features shared with the DB100 series ensures you an extremely well built, heavy duty door, requiring nominal maintenance.

### GENERAL SPECIFICATION

The Fortress DBi100 Insulated Roller Shutter is manufactured from 100mm double skinned galvanised interlocking lath with an expanded polystyrene insulated core. A high performance design eliminates abrasion and provides an exceptionally smooth operation.

Side guides are fabricated from 2.5mm galvanised steel with synthetic caps and brush on the edges. The base bar is an extruded aluminium section incorporating a rubber weather seal.

The DBi100 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. The shutter has a 'U' value of 0.70W/m<sup>2</sup>K.

### ELECTRICAL OPTIONS

All DBi100 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. This will return the door to the open position upon contact with 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



### DBi100 OPTIONAL EXTRAS

Double Glazed Vision sections incorporated into the lath.

PPC/Polyester powder coated finish to external/internal or both faces of curtain from standard RAL range.

PPC/Polyester powder coated finish to internal face of curtain from standard RAL range.

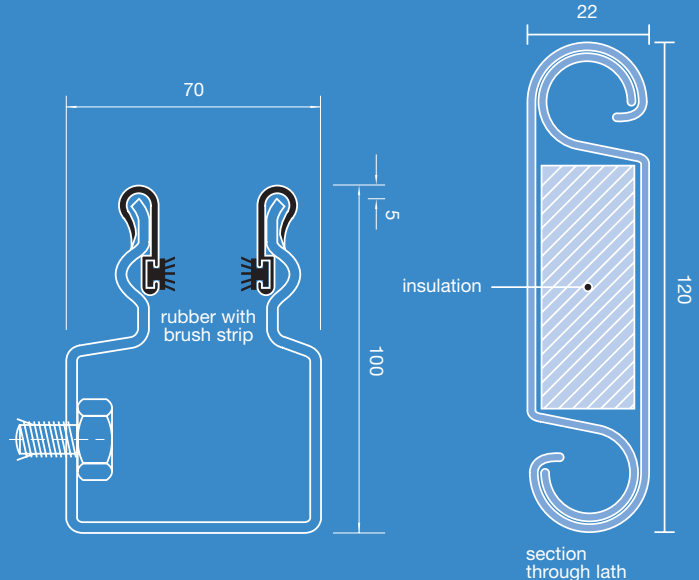
Brush seal to head (soffit support by others).

High security ground lock.

Anti Ram posts.

Coil casing or facia manufactured out of galvanised steel sheet.

### DBi100 GUIDE/SHOWN NOT TO SCALE

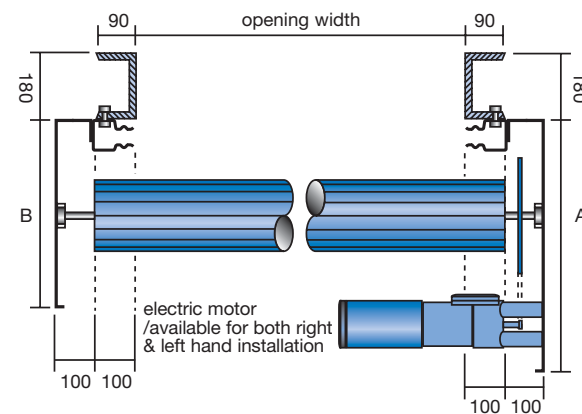
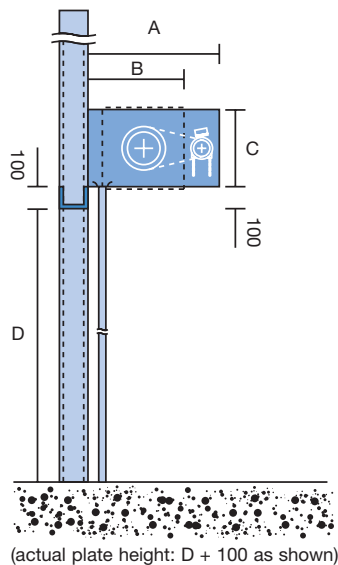


OPENING HEIGHT	END PLATE DIMENSIONS		
D	A	B	C
2700	800	400	400
3500	800	450	450
5000	800	500	500
7000	850	550	550

all dimensions given in millimetres

section through DB100 guide and DBi100 curtain

standard chain brake



### DBi100 SPECIFICATION SHOWN ON BACK PAGE

Insulated Roller Shutter with Windows