



FORTRESS

:doors



FORTRESS

:doors



06 Trench Road Hydepark Industrial Estate
Newtownabbey BT36 4TY Northern Ireland

telephone 028 9034 2655
facsimile 028 9034 2651
email sales@fortressindustries.com
website www.fortressindustries.com

strength in design



02DB75



/Industrial Roller Shutter



The information in this brochure is correct at the time of going to press.
Due to continual product development Fortress Industries Ltd. reserve the
right to alter specifications/details without prior notice.

02DB75 printed June 2002

Copyright© is strictly reserved by Fortress Doors.



02 specification

Fortress DB75



Standard Duty Industrial Door c/w
75mm galvanised steel lath
DB80 galvanised windlock guides
Aluminium base bar c/w integral rubber seal
Windlocked curtain as standard
Single or three phase electric motor



accredited to meet all required standards.

DB75/06 02

strength in design

02DB75

INDUSTRIAL ROLLER SHUTTER

The medium duty DB75 is your option for every day normal use applications. This door is an excellent specification for openings up to a recommended size of 5 metres high x 5 metres wide. Larger DB75 doors can be provided to meet budget costs. (However, when feasible, Fortress will recommend you invest in the DB 100, heavy duty door).

GENERAL SPECIFICATION

The Shutter Curtain is fabricated from interlocking 75mm galvanised steel laths with end locks secured at the ends of alternate lath. An extruded aluminium base bar finishes the bottom of the curtain. Two mild steel end plates support the roller barrel. The barrel is fabricated from steel tube of sufficient strength to span the opening width and to carry the curtain. The base bar has a rubber seal as standard.

The shutter barrel is driven through a simplex roller chain drive, the hand chain operating a chain wheel. Chain brakes are a standard safety feature.

The shutter guides are fabricated to form a unique G shaped galvanised channels. This offers concealed fixing and windlocking thus maximising on security.

The standard finish is a galvanised curtain and guides with a mill finish base bar. Non-galvanised components painted one coat primer.

ELECTRICAL OPTIONS

All DB75 Doors are electrically operated by conventional industrial rated single phase or three phase motors with push button controls (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**



DB75 OPTIONAL EXTRAS

Electrically operated through Fortress drive system controlled by up/stop/close starter. A manual override is provided for emergency use.

Coil casing or fascia manufactured out of galvanised sheet steel.

Motor hood.

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

PVC coated lath/Plastisol to standard colour range (lead times may increase for non-standard).

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

Brush seal to head (soffit support by others).

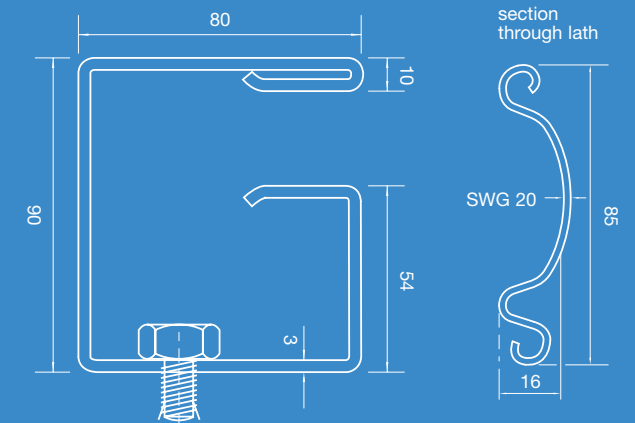
High security ground lock.

Anti Ram posts.

Perforated lath.

NOTE: Fortress recommends that industrial doors over 25m², should be manufactured from the DB100 range.

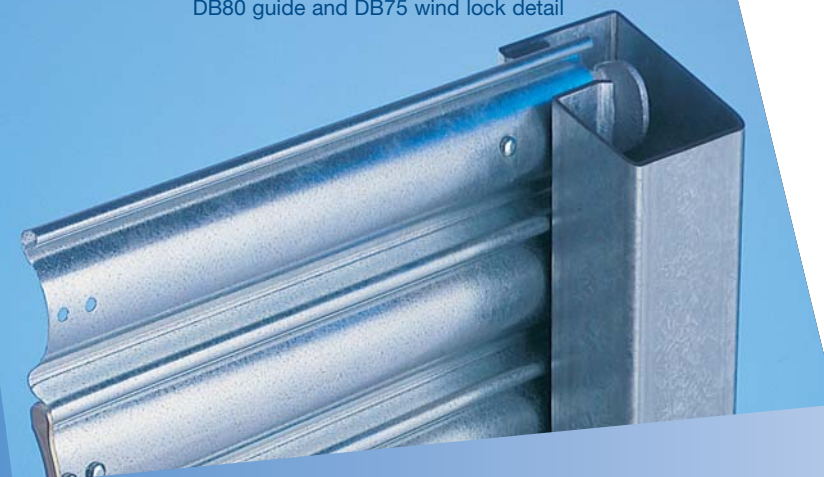
DB75 GUIDE/SHOWN NOT TO SCALE



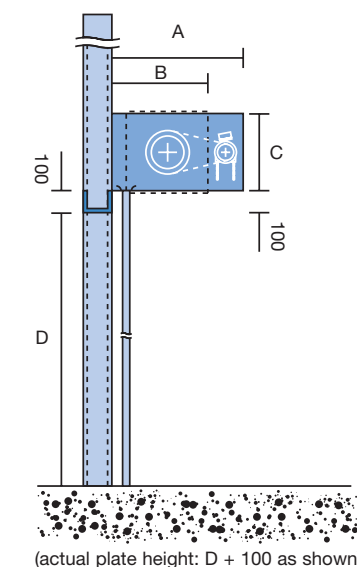
OPENING HEIGHT	END PLATE DIMENSIONS		
	A	B	C
D			
2700	750	350	350
3500	750	350	350
5000	800	400	400
7000	800	500	500

all dimensions given in millimetres

DB80 guide and DB75 wind lock detail

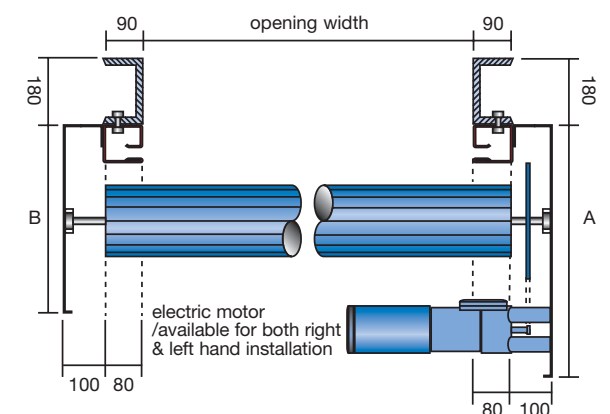


standard chain brake



ANATOMY OF A ROLLER SHUTTER

shown not to scale:



DB75 SPECIFICATION SHOWN ON BACK PAGE