



TEL: 0800 328 3943

Industrial Roller Shutter Doors



Utilised in many applications for an economical, simple and effective way of enclosing an opening for both small and large premises. This traditional design is proven for longevity and reliability. It can be operated through a hand chain hoist or motor and can be finished to match corporate colour schemes.

R & M DOOR ENGINEERING
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Introduction

When you purchase an R & M Door you are starting a relationship with a company that strives for complete customer satisfaction. Each door we install is manufactured using the latest materials and technology to give many years of trouble free operation and maximum security.

Specification

Curtain & Bottom Rail

The curtain is fabricated from laths formed by cold rolling pre-galvanised steel strips. A nylon or pressed steel end lock is riveted to each alternate lath and the curtain is securely bolted to the barrel assembly. The bottom rail is formed from heavy gauge cold rolled pre-galvanised strip which strengthens the bottom of the shutter.

Barrel Assembly

The barrel, which is usually fitted behind the lintel, is for accommodating the rolled up curtain when the shutter is open. The fine balance is achieved using a tempered helical steel spring mounted on a bright steel shaft within the seamless mild steel barrel.

Support Angles

Mild steel angles fitted to the building and carry the endplates and side guides.

End Plates

Square mild steel plates are fitted to the support angles and fixed to the building to carry weight of the barrel assembly, curtain and motor (where applicable).

Side Guides

Guides are formed from heavy gauge steel strip and fitted to the support angles.

Gearing & Operation

Single or double reduction gear trains are mounted on the end plates and reduce the operating effort needed to raise and lower the curtain. The gears are manufactured from nylon or mild steel according to the size of the shutter. Chain operated door are lowered and raised by pulling a continuous galvanised steel chain.

Finishes

All mild steel, non galvanised, components are de-scaled and painted with one coat primer to help protect during transportation and installation.

Locking

Chain operated shutters are locked by placing the continuous chain into the lock cleat which is fitted to either the support angle or building structure. This can then be locked off by the customer's own padlock.

Electric Operation

The operation is by a 415v 3ph geared electric motor with a manual disengage in the event of a power failure/loss. Each motor unit is complete with open and close limit switches. The starter unit contains up- and emergency stop buttons plus a thermal cut off switch. Site wiring and commissioning may also be carried out by our fully trained engineers.

Servicing & Safety

In accordance with Workplace (Health & Safety and Welfare) 1992, Regulation 5, all industrial doors must be subject to a fully documented regular maintenance regime – **FAILURE IN THIS RESPECT MAY RESULT IN PROSECUTION IN THE EVENT OF AN ACCIDENT.** Our Sales team will be happy to advise of suitable maintenance schemes for all our products.

Optional Features – (Available at extra cost)

Wicket Doors (c/w cylinder lock and 2 keys)
High security ground locks
Sheet metal coil casings and motor covers
Polyester powder coating to a BS or RAL colour from our standard range
Plastisol HPS 200 to external face of curtain
Electric operation
Non standard motors and starters
Safety Systems including photo cells, safety edges, induction loops etc.