

Tube Motor 1, 2 and 4hr Fire Roller Shutter (Warringtonfire)



Technical Specifications

Roller Barrel

A 101.6mm x 3.6mm mild steel tube encases a 240 volt tube motor. The main body of the motor is fixed to the door endplate and the outer body rotates the barrel, opening and closing the door. A lost bobbin with 20mm shaft is welded into the barrel at the dummy end.

Roller Curtain

75mm concave galvanised mild steel interlocking laths with thickness ranging from 0.7mm to 0.9mm. Cast steel endlocks fitted to alternative laths using two steel pop rivets per endlock.

Tube Motor Unit

230V 50HZ single phase motor fitted into the opposite end of the tube to the lost bobbin (dummy end) with MONO Bolts and supported by steel fire collars & adapters.

Dummy End Axle

Manufactured from 20mm diameter mild steel round bar.

Gear Endplate

350mm or 410mm x 6mm square galvanised steel plate fitted with 50 x 50 x 5mm canopy support cleats. A special star bracket is welded to the endplate to support the barrel.

Dummy Endplate

350mm or 410mm x 6mm square galvanised steel plate fitted with 50 x 50 x 5mm canopy support cleats. A support U shaped cup is fixed to the endplate to support the barrel.

Motor Support Plate

340mm x 6mm square galvanised steel plate complete with a 120mm diameter hole, bolted to the plate fixing angle to act as barrel support.

Guide Tracks

65mm x 30mm x 3mm galvanised steel channels drilled & countersunk to allow for fixing to the guide angle.

Guide Angle

75mm x 50mm x 5mm galvanised steel angle pre drilled with holes on the 50mm leg to allow M10 rawlbolts to be fixed to the structure. Slotted holes are punched in the 75mm face of the angles to allow the guide section to be bolted to the angle.

Off Set Channel

75mm x 40mm x 3.8mm mild steel channel with primer or powder coated finish.

Canopy

0.9mm galvanised sheet steel provided with slotted holes to allow for fixing to the brackets with M6 nuts & bolts & to the structural opening using 10mm rawlbolts.

T Section Bottom Rail

1.6mm galvanised T.Section trimmed back at each end by 90mm to allow it to locate & travel freely in the guides.

Barrel Support Frame (Where Applicable).

100mm x 50mm x 6mm mild steel channel with primer or powder coated finish fixed to the surrounding structure with M12 Steel Anchor Bolts.

Operation

The door can be opened and closed for security purposes using a key switch or rocker switch.

Test Report

Test Report No. 182970 – BS 476 Part 22 1987WF Assessment Report No: 345161 1, 2 and 4 hours (60,120, 240)

Size/Weight

Maximum certified size of shutters is 5m in width & 5m in height with a maximum area of 15sq.m.

Shutters weigh approximately 35kg per sq.m.

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