Specification sheet 1

Trojan 50 External Venetian Blinds

Technical Specification

Slats
Made from special grade aluminium alloy that is designed to give the greatest flexibility with maximum resistance to corrosion. They are roll-formed from pre-coated aluminium strip that has been specially treated before enamelling to give maximum bond between metal and the finish. The enamel, in a wide range of colours, is then baked to give a finish highly resistant to scratching, fading and cracking. The profile is 50mm wide x 0.26mm thick with a curved form.

Head Rail
Roll formed steel section 58mm wide x 56mm deep which conceals the operating mechanism and has a galvanised finish.

Tilt Bar
Rigid 14mm round extruded aluminium fitted through tape rolls in the headrail. Of a dimension to ensure minimal deflection across the width.

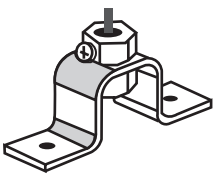
Bottom Rail
Extruded aluminium section 54mm wide x 17mm deep in RAL colour to match the slat. End caps are black or grey.

Ladderbraid
External grade mini visible Trevira® braid available in black and grey. It is shrinkproof, rotproof and guaranteed fade resistant. Spacing between ladders is 42mm.

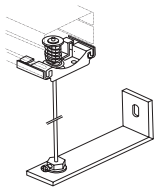
Lift Tape
6mm wide polyester lift tape in black or grey that is weather, shrink, stretch, break and fold resistant.

Side Guide Cable
3mm stainless steel cable is secured in the headrail and tensioned to either a cill bracket type BA25 or a face fix angle bracket type SW40

Cable Louvre Inserts
Nylon inserts are fitted to the ends of the slats to re-inforce and ensure friction free operation.

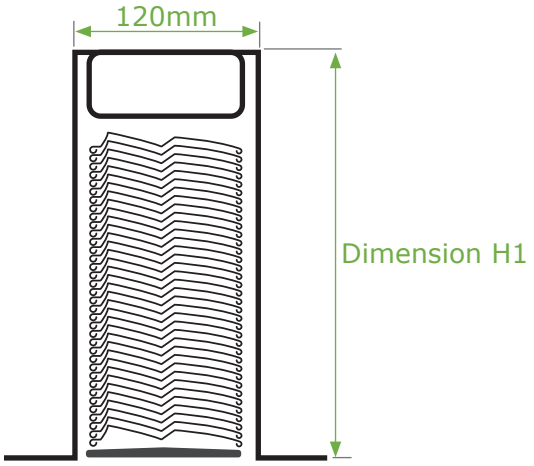


BA25 Cill bracket

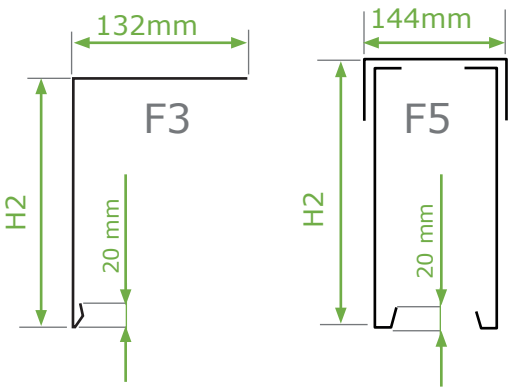


SW40 Face fix bracket

Boxing or Fascia
Ideally the blind is recessed into an opening above the window head. A minimum opening width of 120mm is required to allow access, this dimension should not be exceeded. The depth required (H1) is shown on the stacking chart. On existing buildings a fascia or box will be required to house the blind when retracted. There are 2 profiles with to suit the drop (H2).



Standard Fascia Profiles



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Specification sheet 2

Operation

Trojan blinds are mono controlled with both tilt and raise/lower on one motor or gearbox. The sequence of the operation is that it first tilts to the closed position and then lowers. Reversing the operation causes the blind to first tilt to the opposite closure before raising. Thus the blind can be fully tilted at any point between fully lowered and fully raised by reversing the control.

Motorised Control FEC50

Motors

The motor is located in the blind headrail. It is 240v single phase with a maximum current requirement of less than 1 amp. It is supplied with an 80cm "flying" lead. This should be connected to a junction box or plug adjacent to the headrail to facilitate removal for maintenance. 110v motors are also available.

Wiring

The motor has a four core cable Neutral, Earth, Supply for lower and Supply for raise. Wiring diagrams are available for all standard control options.

Switches

A range of switches is available. Before using any other type of switch it is important to confirm with us that it is compatible to maintain the motor manufacturers warranty.

Manual Control FRC50

An operating rod on the room side is connected at a universal joint that transfers the drive through the building to a gearbox in the headrail.

Gear Box

Hardened steel gears running in Zamac casings which produce a smooth operation which is robust and maintenance free. The unit is located at one end of the headrail.

Limit Adjuster

A nylon traveller that is fitted on the tilt shaft with an adjustable stop that is pre-set to prevent damage from over winding.

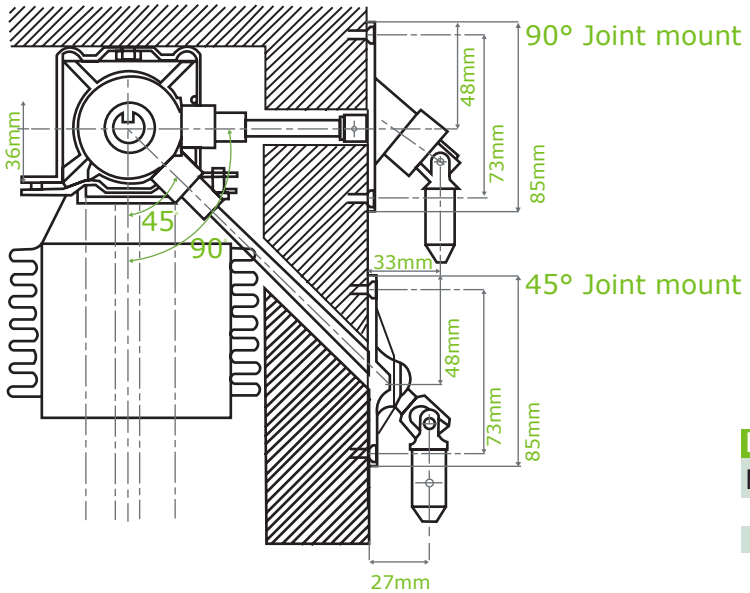
Operating Rod

The joint is connected to 15mm dia. rod with a cranked end. A nylon magnetic clip retains the rod when not in use.

Universal Joint

A drive from the gearbox exits from the back of the headrail through the building to a universal joint. A 20mm hole is required through the building to allow clearance for the drive. The standard joint drive type GP45 exits at 45° to a nickel plated mounting 22mm wide x 85mm high on the room side. A 90° drive type GP90 is also available.

Manual Operation



Stacking Dimensions chart

O/A Drop Size (mm)	H1	H2
800	120	120
1000	120	120
1200	130	150
1400	130	150
1600	140	150
1800	140	150
2000	150	150
2200	150	150
2400	160	170
2600	160	170
2800	170	170
3000	170	170

Dimensions chart

FEC50 & FRC50

Min Width	Max Width	Max drop	Max Sq. Area
500	3000	3000	9

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