

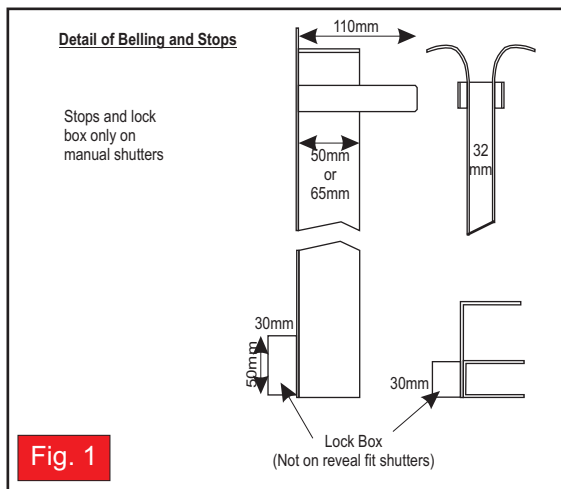
Sentry 75 roller shutter

General

Traditional shutter employing steel channel and angle guides with electric or manual operation. Sentry 75 and Sentry75v are compliant with the latest European products directives and standards including BSEN 13241-1 applicable from the 1st May 2005.

Guide channels

- 3mm galvanised steel
- 50mm x 32mm (standard on manual)
- 65mm 32mm (standard on electric)
- Windlock guide (optional extra)
- 30mm x 30mm offsetting boxes section on both sides. 50mm x 50mm offsetting box section on all shutters with motors above 120Nm.



Head Plates

- Guide channels, and 30mm x 30mm box section (electric only) supplied bolted to angle with M8 CSK bolts and M8 nyloc nuts (fig 5) Head plates welded to angle.
- Except reveal fix where 6mm angle is drilled and taped to accept M8CSK bolts.
- 3mm galvanised steel, 45 degree chamfered profile.
- On electric shutters that are so large as to necessitate the use of a motor above 120Nm, then the layout of the shutter will differ to standard (fig 8/9).
- For face fix shutters no box is required to bring the guide off the angle, instead the head plate is offset 50mm from the angle to allow for the larger motor (fig 8).

Standard Coiled (internal fit)	Reverse Coiled (external fit)	Head Plate Size (mm)
2.0m	1.2m	250 x 250
2.8m	2.5m	300 x 300
3.8m	3.4m	350 x 350
4.7m	4.7m	400 x 400

Angle

- 3mm galvanised steel 75mm x50mm. Drilled for bolting to guides with M8 Nyloc nuts and bolts.
- 6mm galvanised steel 75mm x 50mm supplied for reveal fixed shutter. Angle is drilled and tapped for attachment to guides with M8 bolts.
- 6mm angle will be used for all electric shutters with curtains above 144kg in weight.
- Inset angle as standard, outset angle if preferred.



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Curtain

- 75mm 22swg galvanised solid or perforated slats.
- Curtain is reversed coiled on external shutters.
- The top three slats on the reversed coiled curtains will be reversed to aid rolling of the curtain around the axle.
- Curtains attached to the axle with 400mm attachment strips attached to the axle 250mm from each end and every 500mm with M8 bolts.
- Perforated curtains will have approximately four solid slats at the top of the curtain to aid rigidity.
- Wind-locked curtains have a wind-lock on the third slat up, then every eighth slat up to the middle of the curtain.

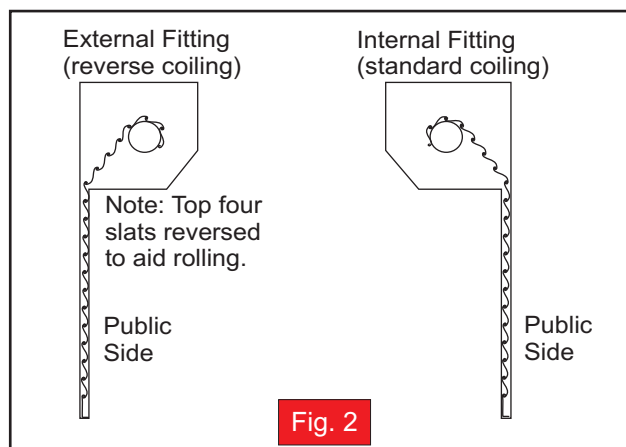


Fig. 2

Bottom Slat

- Galvanised L or T section.
- T section more secure but has less clearance for handles ect.

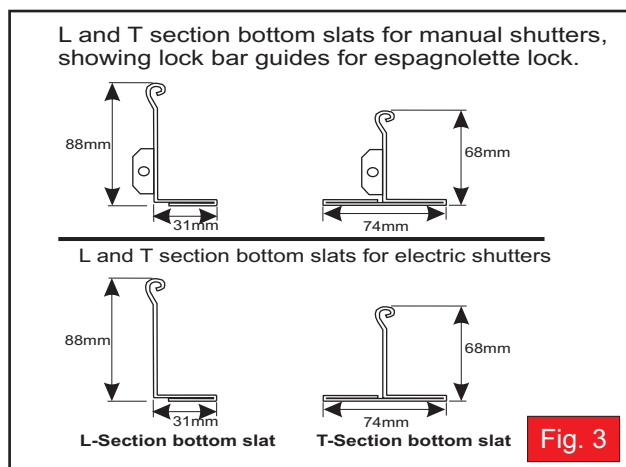


Fig. 3

Locks -Electric

- Electric commercial shutters only rely on their own weight to lock, However bullet locks are available as an optional extra if required. (not available on wind-lock guides).
- Optional isolator box is highly recommended if bullet locks are fitted.
- Optional bullet locks are fitted 345mm from the base of the shutter, two keys per bullet lock supplied.

Axle

- Corrosion treated axle.
- For safety the dummy end of the axle is fixed rigidly to the axle.
- Anti-fall back devices are required for shutters installed over doorways when the shutter curtain exceeds 26.5kg.

Motor & Controls

- Single phase tubular motor. (not suitable for continuous use).
- Surface mount internal switch supplied as standard.
- Key-switches available at a surcharge.
- Manual override supplied as standard on doorways.(hook and eye as standard with 1100mm crook)
- Battery back ups are available at a surcharge.
- Remote control receiver and hand fobs available at a surcharge.

Manual Operation

- The axle has an internal spring.
- A second spring is supplied within the axle as an anti-fall back device when required.

Hood

- Galvanised steel three sided hood as standard.
- 1mm gauge.
- Two sided and facia available if required at a surcharge.

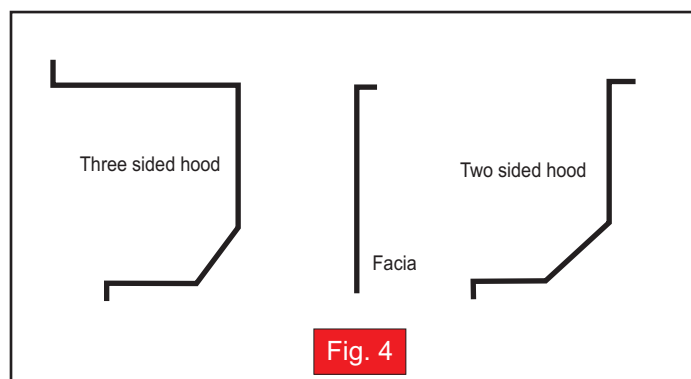


Fig. 4

Finish

- All external steel components are galvanised.
- Optional plastisol curtain or powder coated finish on all components as required available at a surcharge.
- Plastisol finish on curtains will be on external side of shutter only.

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Electric Operation

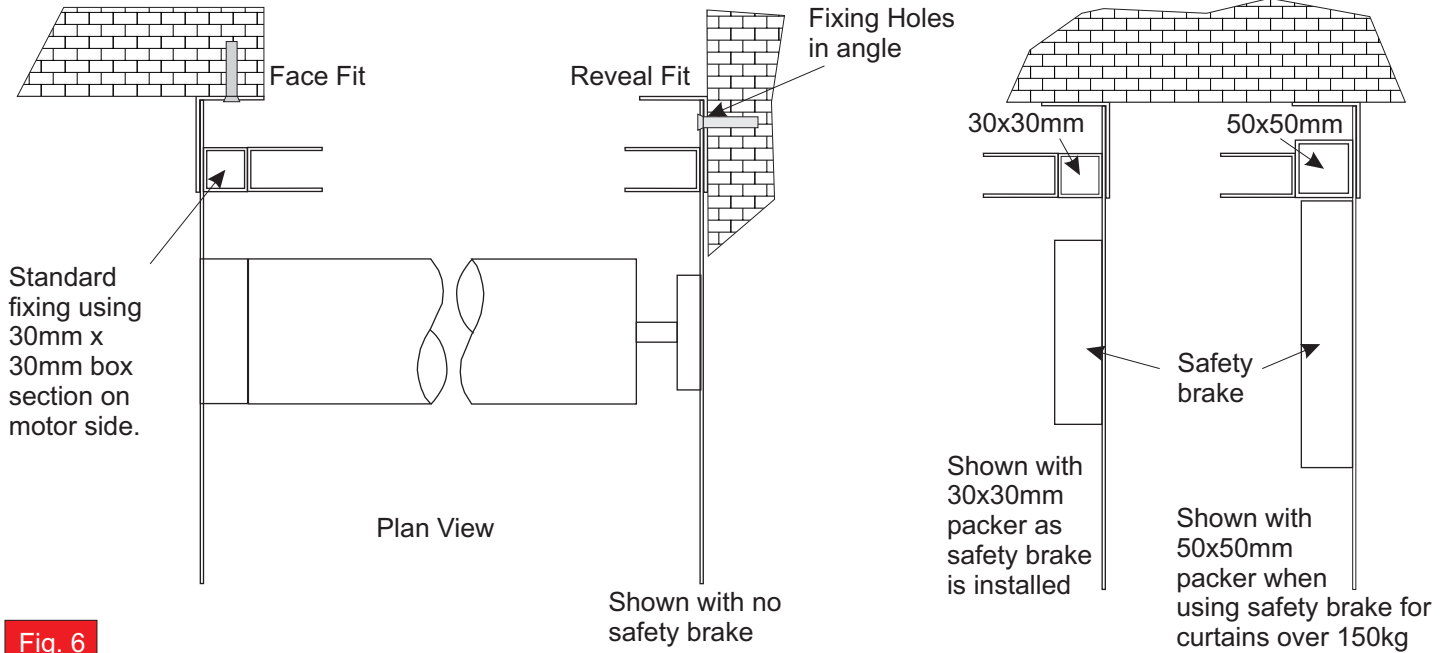


Fig. 6

General Arrangement

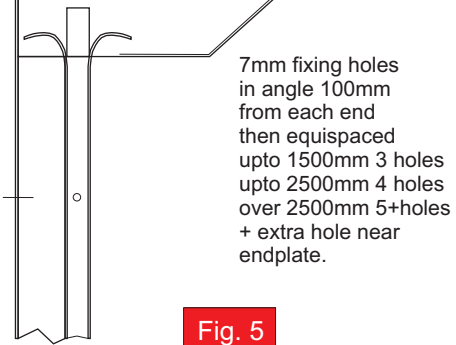


Fig. 5

Manual Operation with bottom slat lock

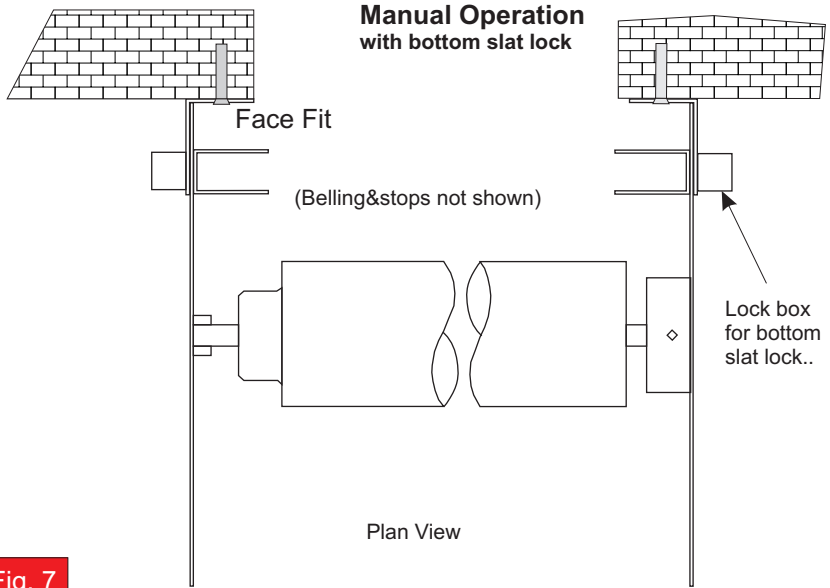


Fig. 7

Detail of motor side guide for shutters using a motor above 120Nm.

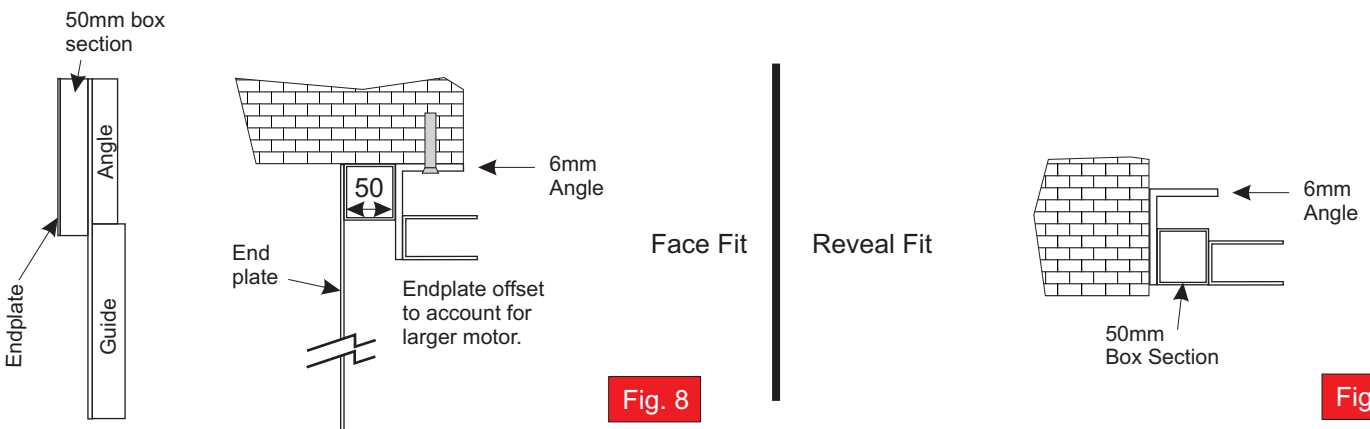


Fig. 8

Fig. 9