

# Extruded Aluminium Roller Shutters, Manual Spring and Lock Installation Instructions

## Models:

SG40/SG38P/SG44/SG55/SG56/SG56P/SG77/SG77P/SG84/SG84P

## Step 1 – Taking Delivery and Checking All Parts

Please check that the door is the correct size and all component parts are present. It is recommended that fitting this door is carried out by two people.

You should have:

1. Door curtain
2. Two guide rails
3. Sprung barrel and head box assembly

Ensure that the site is clear and that the fixing surfaces are free from loose plaster and masonry. Ensure that the opening has no irregularities that could damage the back box or curtain.

The door curtain will be fully packaged when delivered. The end plates will be factory fitted to the back box and the curtain will be rolled. The two side channels (guide rails) should be unpacked and placed into either side of the opening. The guides are designed to slot into the end plates via the peg on the end plate.

## Step 2 – Preparing The Shutter

1. Carefully remove the box lid (if ordered) and place in a safe place, remove the curtain from the box and place on a suitable surface that will not damage the curtain.
2. Slide the guide onto the end plate peg and check that the back of the box lines up with the back of the guide, mark guide accordingly.
3. Determine method of fitting guides, face fix (onto the face of the brickwork) or reveal fix (between the brickwork inside the opening). The guides will be pre-drilled to suit your specified fixing method unless requested otherwise. If the guides have not already been pre-drilled, drill 7mm fixing holes, enlarge outer holes to 10mm to accommodate plastic grommets. We recommend at least four good fixings per guide.

4. File the inside of the guide channels – (at the top), to create a chamfered lead in for the curtain.

## Step 3 – Fixing The Guide Rails And Box Assembly

1. Slot the guides onto the end plate pegs, position the box and guides where they are to be fitted. It is vital to level the barrel or box assembly (if ordered) and to make sure the guides are square.
2. Fix the guides to the walls making sure they are not distorted in anyway, pack the brickwork out where necessary. Ensure the fixings used are suitable for the wall properties.
3. Drill suitable holes in the end plates to get secure fixings. This can be through the back of the end plate or the end plate side ideally at the top (end of the box assembly). Secure to the walls making sure the box assembly is vertical and follows the line of the guides.
4. If face fixed drill and screw the back of the box at regular points along the width of the door. This is best done along the bottom edge or as close to the bottom edge as possible. Make sure all screw heads are flush and not proud as this may damage the surface of the curtain later. **IT IS IMPORTANT TO ENSURE THAT THE CURTAIN IS CLEAR OF THE BACK BOX AND FIXINGS WHEN RUNNING. OTHERWISE THE CURTAIN WILL BE MARKED**

## Step 4 – Installing The Curtain

1. To ensure the curtain does not get damaged during fitting, the barrel must be covered with either cardboard or bubble wrap. This can be removed once the curtain is in position.
2. Carefully remove packaging from curtain.
3. Lift the curtain roll and feed the bottom rail over the barrel section into the guide rails. Feed the door into the guide rails approximately half way and unroll the remaining curtain so the curtain is hanging over the barrel.
4. Slide onto the top lathe of the door the ‘T’ springs.
5. Carefully slide the curtain to the closed position.
6. Attach the T springs to the barrel
7. With the shutter in the closed position, turn the key in the bottom rail lock a few times which will mark the position on the guides for the keeps, to be drilled later.

## Step 5 – Adjusting the spring tension

**WARNING.** SPRUNG BARRELS ARE SUPPLIED PRE-TENSIONED BUT WILL REQUIRE ADJUSTMENT ON SITE, GREAT CARE SHOULD BE TAKEN WHEN ADJUSTING THE TENSION TO MINIMISE THE RISK OF PERSONAL INJURY. WE RECOMMEND THAT THIS SHOULD ONLY BE CARRIED OUT BY TRAINED AND EXPERIENCED OPERATIVES. TWO PEOPLE WILL BE NEEDED AT THIS STAGE.

1. Hold the barrel firmly and remove the retaining clips from both ends of the barrel. It is important to keep holding the barrel very tightly as it will spring abruptly once the clips are removed.
2. Keeping hold of the bottom rail of the curtain and the barrel gently lift up allowing the curtain to roll around the barrel slowly.
3. If the tension is too weak turn the barrel 1-2 turns away from you to add more tension to the spring. Repeat this process gradually until you achieve the desired tension.
4. If the tension is too strong follow the process above but turning the barrel towards you.
5. When happy with tension attach the stops and handles supplied and allow the curtain to return to the open position.
6. Drill out the base of the guides using a 13mm diameter bit to form the keeps for the bottom rail lock.
7. Pull down the shutter and lock in the closed position.

## Step 6 – Fitting The Front Box/enclosure (optional)

1. Clip the internal cover into the back box top retaining lip at approximately 10 degrees.
2. Once the cover is located over it's entire length place the cover hand up against the endplates
3. Drill and fix in place with self tapping screws or pop-rivets
4. Remove the protective plastic film from the head box and give the shutter a final wipe down.