



## Installation, Care & Maintenance

The same fitting instructions apply across the range, however where there are differences, the instructions will highlight this.

### I Check Contents

The pack should include the lock or latch body with a rounded inner forend. There should be a loose forend or faceplate, either square or rounded, a strikeplate, again either rounded or square, and a nylon box keep that will fit behind the strikeplate. There should also be the correct quantity of fixing screws.

### 2 Choose Handing of Latch

M51.01 Tubular latches can be turned upside down to reverse the latch bolt, but other locks and latches will use the patented Rotalatch mechanism to change the latch bolt handing.

1. Remove outer forend
2. Rotate latch bolt 180deg
3. Replace outer forend

### 3 Tools Required

Drill and Drill Bits, drill bits must be suitable for timber and capable of drilling upto 25mm diameter holes.

Mallet and chisel  
Pozi-drive screwdriver  
Masking tape & Pencil.

### 4 Positioning the lock

Position the lock body as near to the mid-height of the door as possible, but take care to locate with the lock block and avoid any joints in the framework of the door. Place the lock/latch body against the door edge and mark with pencil the top and bottom of the lock.

Down the edge of the door mark in pencil the centre line of the door edge.

### 5 Preparing the mortice

Calculate the depth of the mortice required by adding the overall width of the lock/latch body, to the thickness of the fixed and loose forends. Use masking tape to mark the drill bit to help gauge the depth of hole.

Drill a series of overlapping holes down the drawn centre line of the door to the required depth.

Chisel out the remaining timber to form a rectangular hole. Carefully remove all wood chippings, and sawdust from the mortice otherwise these could interfere with the correct operation of the lock/latch.

### 6 Fitting the lock/latch

Fit the lock body into the mortice to ensure correct fit. If this is too tight then enlarge the size of the mortice. There should be a slight gap around the lock body when fitted into the mortice.

### 7 Mortice for Forend

With the lock body pushed into the mortice, place the loose forend over the inner forend and draw around them onto the edge of the door with a pencil. Remove the lock and chisel out the mortice for the forend to a suitable depth to allow the loose forend to sit flush with the edge of the door.

### 8 Drilling out face of door

Place the lock body on the face of the door with the loose forend in place flush with the edge of the door. Mark on the door face with a pencil the positions of the latch follower and/or lock keyway. Drill holes in the face of the door at these marked positions large enough to comfortably accommodate the latch spindle and key or cylinder.

### 9 Fitting the lock/latch

Fit the lock/latch into the mortice, place the loose forend over the fixed inner forend and screw into the door. It is recommended that pilot holes are drilled into the door edge before driving the screws into the door. For M51.08, M51.12, M51.13, and M51.14 fit the cylinder, supplied separately, into the lock and fix securely with the cylinder retaining screw supplied with the cylinder. Test the lock and/or latch to ensure smooth operation. Adjust if necessary.

### 10 Fitting the strike

If the lock has a deadbolt, then throw this bolt. Then gently close the door so that the latch and/or deadbolt sit over the face of the doorframe. Mark the positions

of the bolts on the frame with pencil. Repeat the same principles used to fit the lock body to prepare the mortices for the box keep and the strikeplate. It is recommended that the tolerance given, that is the extra space between the height of the bolts and the height of the keep, should be positioned at the bottom as doors may drop over time, but they will rarely rise. Place the nylon box keep into the mortice prepared and screw the strikeplate over. Timber along the doorframe edge may need to be chiseled away to fit the tongue of the strikeplate.

### II Final Testing

Once fitted then test the operation of the lock and the latching into the strikeplate. Make any adjustments necessary to the strikeplate location. If the door is to operate with a doorclosing device, then at this point it is recommended the door operation is checked to ensure the door will close into the frame properly.

### Rebate Sets

If the lock/latch is to be fitted into a rebated edged door, then a rebate conversion set will be necessary, available in brass or silver finishes. Select the appropriate rebate set reference from the table below.

Lock/Latch	Rebate Set
M51.01	M52.10
M51.03	M52.05
M51.05, M51.07, M51.08, M51.13	M52.09
M51.09	M52.12
M51.11, M51.12, M51.14	M52.23

The general fitting instructions for the lock/latch are as above, however the lock should be fitted flush with the edge of the doorleaf, with the lock part of the rebate set fitted behind the forend to fill the rebate. The strike plate supplied with the lock/latch should be fixed inside the strike part of the rebate set and fitted to the inside rebated door edge.

NB A square strikeplate is required for use with the rebate set, a rounded strikeplate will not fit.

### Spare Parts

The following can be available on request.

Nylon Box Keep	To suit lock/latch
M52.17	M51.01, M51.03, M51.09, M51.11, M51.12, M51.14
M52.08	M51.05, M51.07, M51.08, M51.13
Strikeplates	To suit lock/latch
M52.01 rounded	M51.01
M52.07 rounded	M51.05, M51.07, M51.08, M51.13
M52.13 rounded	M51.09
M52.18 rounded	M51.11, M51.12, M51.14
M52.03 square	M51.01
M52.11 square	M51.05, M51.07, M51.08, M51.13
M52.14 square	M51.09
M52.19 square	M51.11, M51.12, M51.14
Forends	To suit lock/latch
M52.21 rounded	M51.01
M52.25 rounded	M51.05, M51.07, M51.08, M51.13
M52.27 rounded	M51.09
M52.33 rounded	M51.11, M51.12, M51.14
M52.20 square	M51.01
M52.24 square	M51.05, M51.07, M51.08, M51.13
M52.26 square	M51.09
M52.32 square	M51.11, M51.12, M51.14
Key Blanks	To suit lock/latch
M52.16A	M51.05, M51.11
M52.16B	M51.05, M51.11

Replacement forends & strikeplates can be supplied in the following finishes:-  
PVD Polished Brass    Polished Stainless Steel    Satin Stainless Steel.

### Testing

The Gridlock Security Products range of Locks and Latches has been tested to EN12209:2003 and are certified to bear the CE mark. The range is also suitable for fitting to FD30 rated fire door assemblies. Copies of certificates and test reports are available on request.