

Fitting Instructions – AGB2XT25E(finish) & Forme
Concealed Rose

AGB POLARIS NARROW MAGNETIC EURO LOCK 35MM BACKSET WITH FORME CONCEALED ROSE ON 80MM STYLE

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Due to all Concealed Rose levers being unsprung, it is essential that they are fitted with our AGB Magnetic locks. The spring mechanism in the AGB locks has been tested and it will return the handle to a horizontal position. Atlantic cannot guarantee that the lever will correctly operate when using any alternative lock or latch. If any alternative lock or latch is chosen to be fitted, the user must ensure themselves prior to fitting that the product is compatible and meets the performance levels required.

For best results when fixing an AGB Magnetic Lock with Forme Concealed rose, follow these instructions.

Atlantic UK recommends this product is fitted by a joiner.

Before beginning installation, check the product is as required/ordered.

Separate out all components supplied as follows:

- X1 Lock Body
- X1 Magnetic Adjustable Keep
- X4 Screws
- X1 pair of Leavers
- X2 Concealed Roses
- X2 Plastic Washers
- X1 Pair Concealed Rose Escutcheon
- X2 Grub screws
- X1 3mm Allen Key

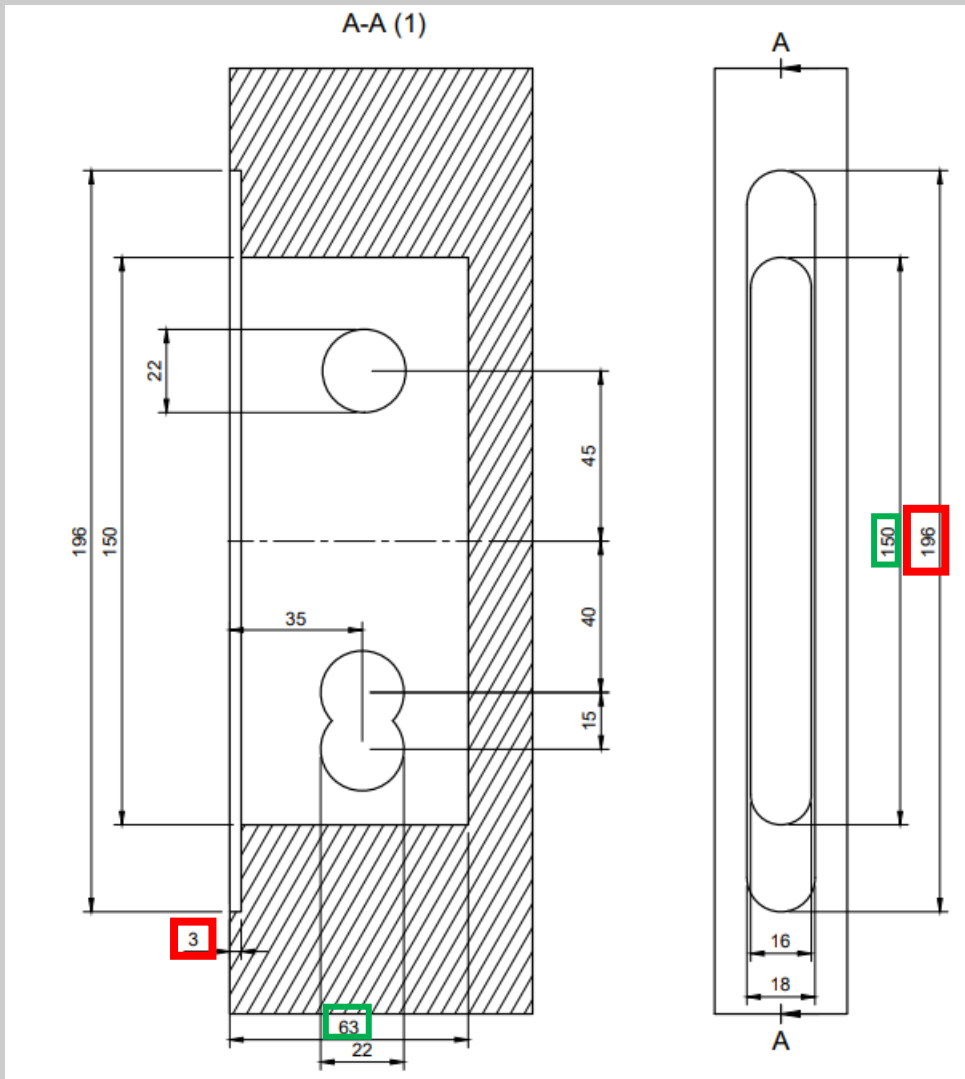
Atlantic UK recommends the following extra tools and resources are used in addition to your basic tool set.

- Router – ½" shank recommended, although ¼" is suitable. **A fence is a must on either router!**
- 22mm Forstner bit

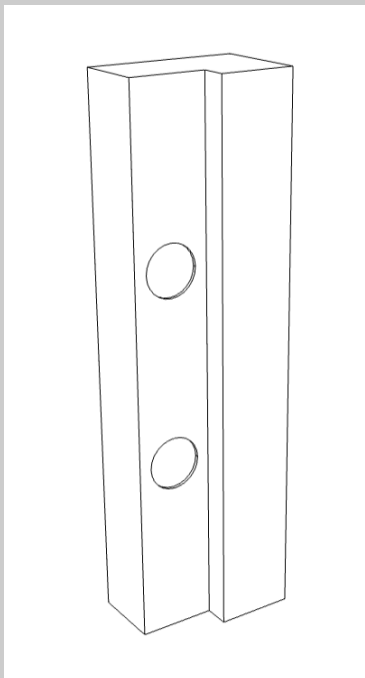
- 24mm Forstner bit
- 2.5/3mm drill bit
- 18mm Router bit
- 16mm router bit
- Sliding Combination square
- CA/super glue

- 1) First, measure and mark the location for the lock forend on the leading edge of the door.
- 2) Set up your router with the 18mm router bit, ensuring the fence is set so that the router bit is running central in the door, and set the depth to cut out a 3mm deep groove as shown on the highlighted red parts on the below diagram. This should be 196mm long as also highlighted in red below.

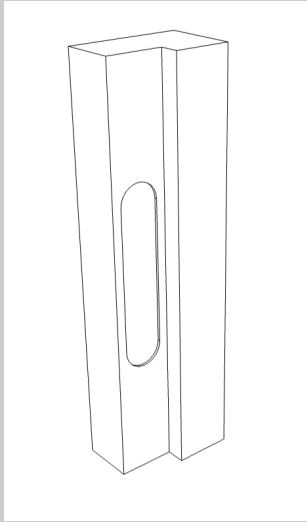
TO FIT AS A LATCH, ONLY DRILL OUT THE UPPER SPINDLE HOLE – DO NOT DRILL OUT FOR EURO PROFILE CYLINDER!



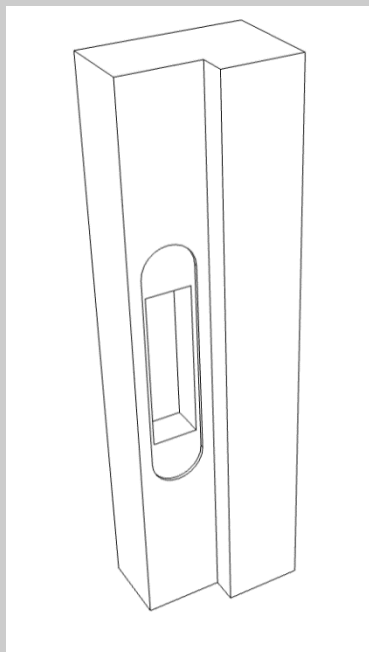
- 3) Following this, change to a 16mm bit in the router, but do not move the set on the fence as this could result in an error which will lead to you not being able to fit this lock, as well as potentially destroying your door!
- 4) With the set up on the router, cut out the pocket to house the lock body, ensuring you remove the minimum amount of material. This is especially vital when working on a door with glass vision panels as you may run the risk of shattering the glass if you plunge the router too deep. The optimum dimensions for this are highlighted in green on the diagram above.
- 5) When this is cut, insert the lock and test for fit, adjusting as needed. Then, using the 2.5/3mm drill bit, drill out a pilot hole for the screws in the forend of the lock. Then using either a screwdriver or a driver bit, fix the lock in place using 2no. of the screws provided.
- 6) With the lock fitted into the door leaf, using the combination square mark out the location of the lock tongue onto the door frame. It is important that this is done accurately as this is vital to the correct functioning of the lock. Once this is done, you can remove the lock as it will interrupt the further fitting of the levers later. This can be done by using a magnetic object to pull the lock tongue out and then by pulling on the protruded lock tongue.
- 7) Using the keep that is provided, mark out the top and bottom of the face plate, and then drill out to a depth of 2mm on the inside of either end of the marks from this, making sure that this is all centered within the rebate on the door frame, as shown on the diagram. Please ensure that the center of this is in line with the tongue on the lock, or the lock will not be able to function correctly.



- 8) Using your combination square, scribe a line down either edge of this circle, and then remove the waste with either a router or a sharp chisel, referring to the below.



- 9) The next step is to chop out for the back of the keep, this is located centrally within the cut pocket, and Atlantic UK recommends that the dimensions of this pocket are 70mm high, 20mm wide and 15mm deep. This is also shown below.



- 10) The Final step in fitting the keep is to insert it into the frame, checking for fit, and adjusting as needed, then drill the pilot holes for the screws and fix in place using 2 no. the screws provided.
- 11) Back on the door, mark out the center of the Pocket in on the lock, and then from that center line, measure upward 45mm and then, again from the centerline, downwards at

40mm, and then 15mm below that mark, as shown on the diagram at the top of the sheet. Accurate measuring and marking are vital to being able to fit this product and it being able to function correctly after fitting.

- 12) With this marked out, using a combination square, scribe a line that is 35mm back from the leading edge of the door, once again, this MUST be as accurate as possible as the correct function of this product is dependent on this. Once this has been marked out, using a center punch, put a divot in these marks, these are when you will drill out the main holes for the lever and escutcheons. Pull all these marks round onto both sides of the door.
- 13) Using the 22mm Forstner bit, drill through the door on the marks, ensuring that this is drilled as straight and as square as possible. Atlantic UK Recommends that you drill from both sides to increase accuracy and reduce tear out on the face of the door.
- 14) Place the minimal roses into the holes on either side of the door, push in firmly to ensure these are tight up to the door, and then put in the plastic washers that come with the minimal roses.
- 15) With the lock fixed back in, place the spindle into the lock and make sure that the spindle is evenly spaced in the door, then put on one lever on the door and push all the way into the concealed rose, and tighten up the grub screw. – Pro tip – Thread in the Grub screw partway into the handle before it goes on the door, as it will make it a lot easier to fully tighten the grub screw.
- 16) With one side of the lever pair on, take the other side and push it on, ensuring that the plastic washer is in the concealed rose. When this is on the spindle, push in the 2 handles towards each other, and then tighten up the grub screw.
- 17) Taking the escutcheons, put them into the overlapping holes, making sure that these line up with the aperture for the lock, this is needed to be able to place the Euro Cylinder (sold separately). When fitting these Atlantic UK recommends that you use a little CA glue to hold these escutcheons in, but only do this once you have confirmed that this it all lines up.
- 18) Once these are installed, operate the door, and make sure that the function of the lock is correct and the keep plate is in the correct location. If there is some play in the door, adjust the keep, this is done with the middle 2 screws in the keep plate.