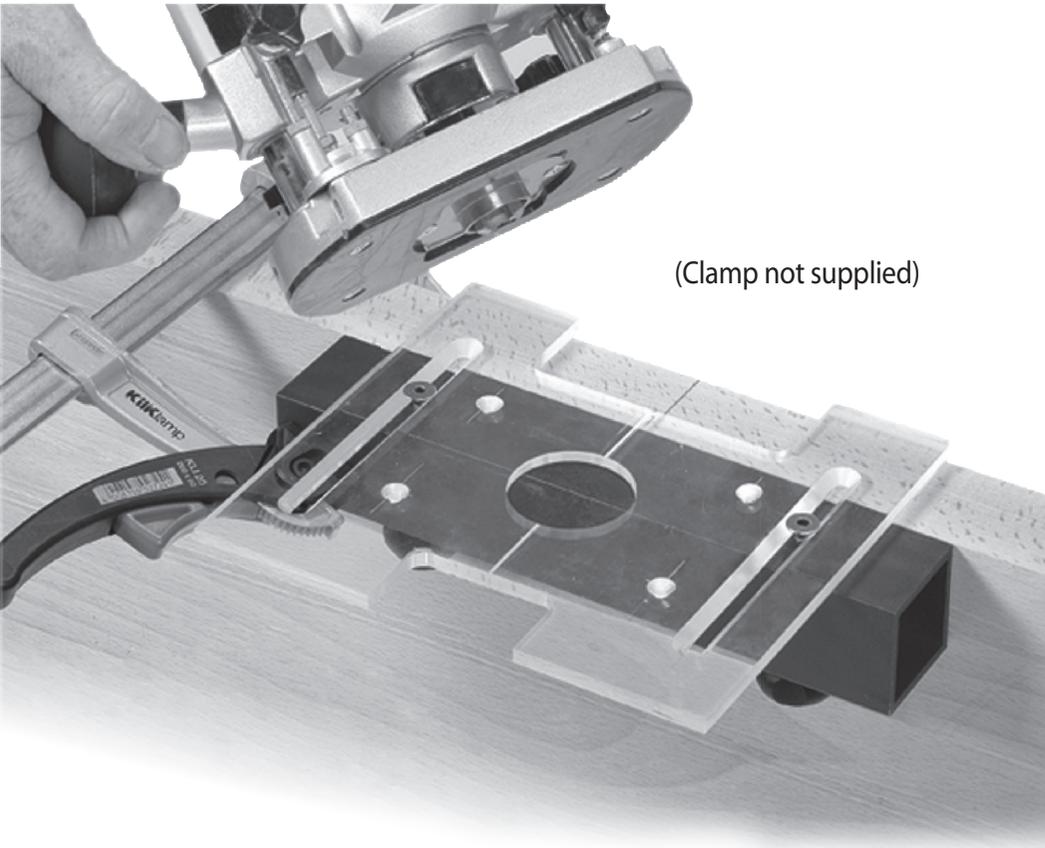


Axminster Single Hinge Jig

(Clamp not supplied)



Index of Contents

	Page
Index of Contents	2
Copyright	2
Introduction	3
What's in the Box	3
General Instructions for Working Practice/Safety	3
Initial Assembly Instructions	3
Using the Template	4-5-6
Guide Bush and Cutter Chart	7



Warning

The symbols below advise that you follow the correct safety procedures when using this machine.



Fully read manual and safety instructions before use



Ear protection should be worn



Eye protection should be worn



Dust mask should be worn

Copyright

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Axminster Single Hinge Jig

The Axminster Single Hinge Jig is designed to cut hinge recesses in combination with any size router fitted with an appropriate guide bush. Using the suggested 26mm guide bush and 20mm cutter, the template will cut recesses for 100mm and 50mm butt hinges. Using alternative cutter and guide bush combinations, it can also be used to cut recesses for other size butt hinges and for 35 and 26mm circular boss style cabinet hinges. The jig can be used for cutting the hinge recess into the edge of a door as well as into a door frame or carcass.

What's Included

Quantity	Item	Code
1 No.	Clear plastic template	100714
1 No.	Box section aluminium stock	
2 No.	Countersunk hex bolts	
2 No.	Star knobs	
1 No.	Manual	

(Note: clamp is not supplied with the kit)

General Instructions for Working Practise/Safety



Carefully read and follow the router manufacturer's instruction book to ensure that you are competent in handling and using the router.



Follow all safety procedures and regulations in respect of the use of electric power tools.



Always wear suitable eye and ear protection as well as protection against dust inhalation when using the router.

Initial Assembly Instructions

Attach the template to the stock using the two countersunk bolts, inserted through the countersunk slots in the template face. Secure with the two star knobs.



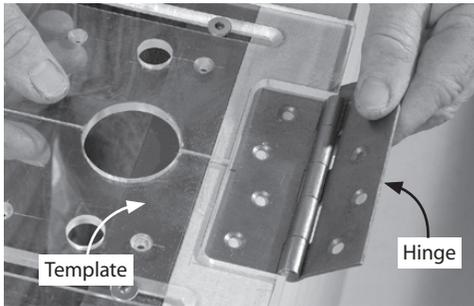
WARNING! DO NOT OVERTIGHTEN AS THIS COULD DAMAGE THE TEMPLATE

Using the Template

Using the template to cut 100mm hinge recesses in the door edge

1. The template is first adjusted to position the hinge knuckle or pivot pin on the door edge to ensure that the door will close correctly to the doorframe. The inside edge of the template is set to the width of the hinge flap plus the guide bush margin. (See fig 01) The guide bush margin is simply the difference between the cutter diameter and the outside guide bush diameter, divided by two. Using the suggested 26mm guide bush and a 20mm cutter, the margin will be 3mm. As the template opening is 106mm, using this combination will leave a recess length of 100mm or the length of the hinge. Imperial 4inch long hinges will require a 25mm guide bush and the 20mm cutter.

Fig 01

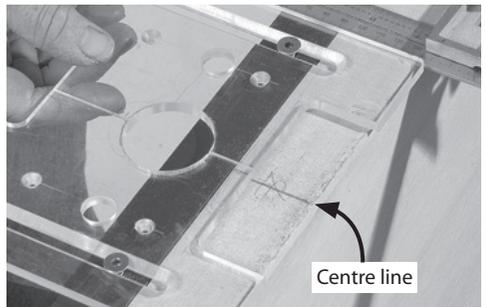
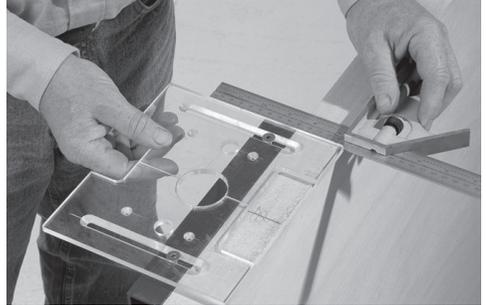


NOTE. This formula can be used to calculate any recess length to accommodate variations in the hinge length. For example a 75mm hinge recess cut using the 106mm template will require a guide bush diameter of 40mm and a cutter diameter of 9mm. $106 - 75 = 31$. Using a 40mm guide bush = $40 - 31 = 9$ mm diameter cutter.

2. Mark out the centre line of the hinge positions on the door edge. (See fig 02) Clamp the box section of the jig, with the open edge of the template on the hanging (i.e. pivot edge) face of the door. (See fig 03) Align the engraved centre line on the template with the hinge centre line marked on the door edge.

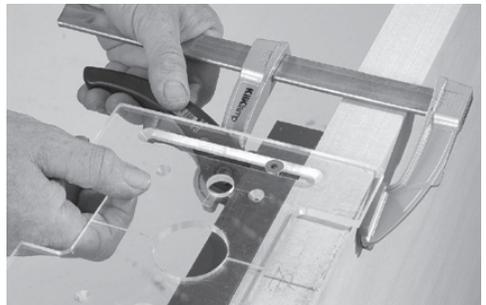
Check that the template edge is square to the door face before tightening the locking knobs. Do not over tighten as this may damage the template.

Fig 02



Marking out the centre line of the hinge positions on the door edge

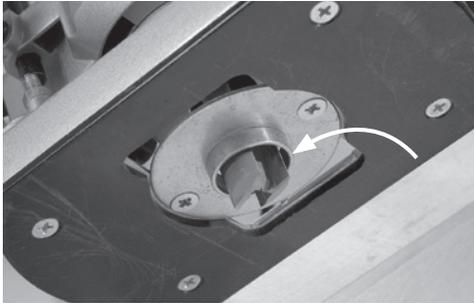
Fig 03



Clamping the box section of the jig

3. Fit the correct diameter guide bush and cutter to the router to achieve the length of recess to suit the hinge. (See fig 04) As the template thickness is 6mm, the guide bush depth beneath the router base must be slightly less than this.

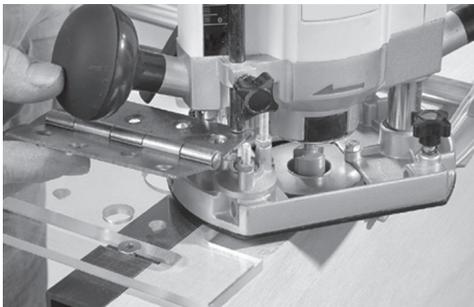
Fig 04



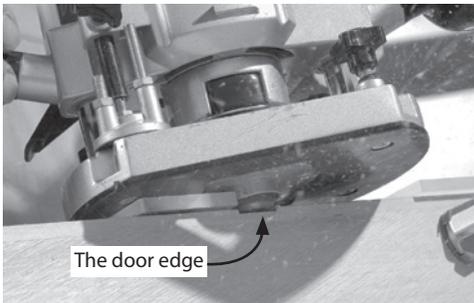
Guide bush and cutter

4. When setting the recess depth (i.e. cutter depth), sit the router flat on the template face and bottom the cutter on to the door edge. (See fig 05) Set the depth stop using the flap of the hinge inserted between the turret stop screw and the depth gauge rod. It is always advisable to initially cut the recess in a piece of scrap timber and check the finished recess depth.

Fig 05-06



Setting the recess for the cutter depth

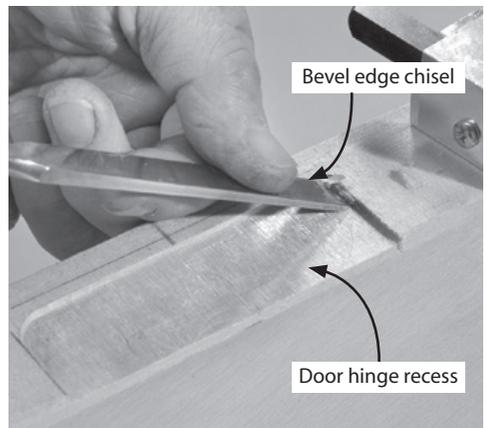
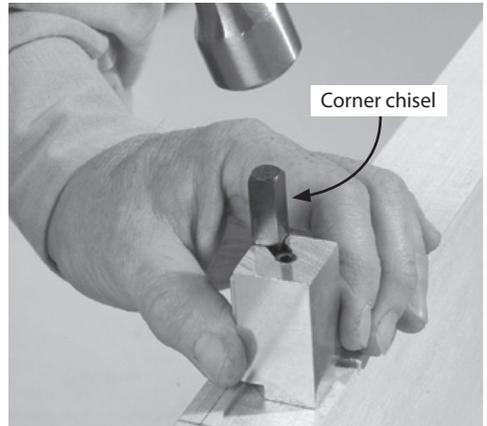


Cutting the door hinge by starting from the door edge

5. Cut the recess by first locking the router plunge to the depth set by the depth gauge and cutting in from the edge of the door. (See fig 06) Start by making a back cut (i.e. against the direction of cutter rotation, that is from right to left), before removing the remaining waste from the recess. By back cutting you will achieve a clean recess edge. If the recess is slightly short, remove a sliver from one end using a sharp bevel edge chisel.

6. To finish, square the corners of the recess using a corner chisel (code 340437) or a sharp bevel edge chisel. (See figs 07-08)

Fig 07-08

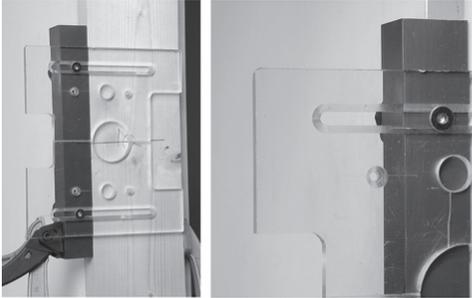


Using the Template

7. Matching recesses can be cut into doorframes or linings using the hinge jig. The jig can be clamped to the frame prior to the architraves being fitted or to a lining prior to the architraves and planted stop being fitted. (See fig 09) Countersunk screw holes are provided on the template to provide extra support if necessary, or for use when a clamp cannot be fitted. To provide extra support when recessing a frame with a machined stop, attach a small block of wood, the same depth as the stop, to the underside of the template with double-sided tape.

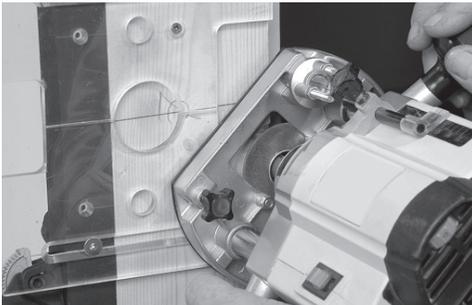
To cut the recess, align the template against a hinge centre line drawn on the frame or lining and cut and finish as for the door edge. (See fig 10)

Fig 09



The jig being clamped to the frame prior to the architraves being fitted or to a lining prior to the architraves and planted stop being fitted

Fig 10



To cut the recess, align the template against a hinge centre line drawn on the frame or lining and cut and finish as for the door edge

8. When cutting a number of doors with similar hinge positions, two or more templates can be used, fitted to a 24mm by 24mm timber batten and spaced out accordingly.

Concealed cabinet hinges

9. The hinge template can also be used to bore circular holes to accept the boss of a concealed cabinet hinge, the standard diameter hinge bosses being 35 and 26mm. Again using various guide bush and cutter diameters will accommodate different hinge boss diameters. The template hole is 48mm diameter, therefore a combination of a 24mm guide bush and a 12mm cutter and a 30mm guide bush and 9mm cutter will produce recesses of 35 and 26mm diameter respectively.

In use, simply set the box section on the template to position the hinge in from the edge of the door. Mark the centre line of the hinge from either top or bottom door edges. Align the template centre line and clamp the template securely. (See fig 11) Set the cutter depth to the depth of the hinge boss (normally 10mm) plus the thickness of the template.

Fig 11

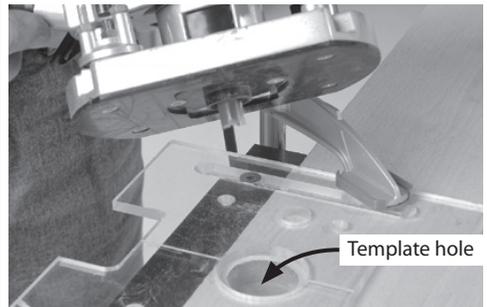
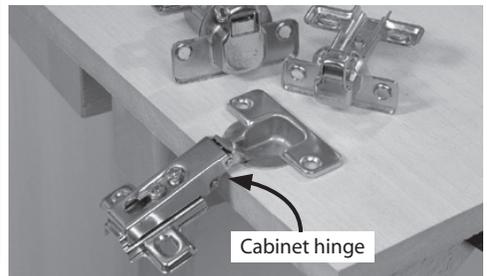


Fig 12



Guide Bush & Cutter Chart

Hinge Length	Guide Bush Diameter	Cutter Diameter	Template
100mm	26mm	20mm	106mm Template
75mm	40mm	9mm	106mm Template
50mm	26mm	20mm	56mm Template
25mm	40mm	9mm	56mm Template
35mm Diameter	24mm	12mm	48mm Dia Template
26mm Diameter	30mm	9mm	48mm Dia Template



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local recycling centre and place into the appropriate recycling bin.

Only for EU countries



Do not dispose of electric tools together with household waste material. In observance of European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.