

# BUTT HINGE TEMPLATE

For routing accurate  
recesses to fit 75mm  
& 100mm butt hinges.

- Made from clear plastic with interchangeable metal templates.
- Fully adjustable to suit doors from 35mm to 44mm width.

## Requires:

- 1/4" or 1/2" collet plunge router.
- 12mm straight cutter Ref. 3/8L or C019A or TR12.
- 30mm guide bush Ref. GB30.\*
- Softwood batten 44 x 34 x 450mm long PAR S/W.
- Two clamps.

Size: 214mm x 135mm x 8mm.

\*A Unibase may be required for certain makes and models of router.

## FOR GUIDING THE ROUTER



## BUTT HINGE TEMPLATE REF. TEMP/BH/A

Thank you for purchasing this Trend product, we hope you enjoy many years of creative and productive use.

The following symbols are used throughout these instructions.



Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions.

Refer to the instruction manual of your power tool.



This unit must not be put into service until it has been established that the power tool to be connected to this unit is in compliance with 2006/42/EC (identified by the CE marking on the power tool).

## INTENDED USE

The template is intended to be used with a plunge router with a suitable router cutter fitted to rout a hinge recess in a door for 75mm or 100mm hinges in doors from 35mm to 44mm thickness.

## SAFETY

Please read and understand the safety points at end of this instruction as well as the power tool instructions before use.

**PLEASE KEEP THESE INSTRUCTIONS IN A SAFE PLACE.**

The attention of UK users is drawn to The Provision and Use of Work Equipment Regulations 1998, and any subsequent amendments. Users should also read the HSE/HSC Safe Use of Woodworking Machinery Approved Code of practice and Guidance Document and any amendments.

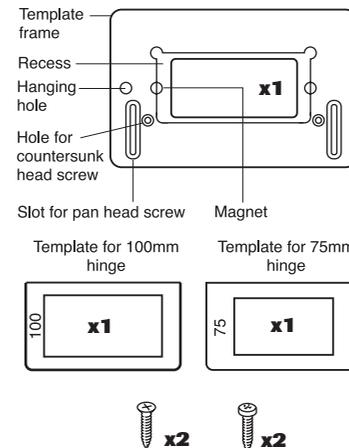
Users must be competent in using woodworking equipment before using our products. Please keep children away from tools and work area.

All power tools will have a residual risk, so must therefore be operated with caution.

## ITEMS REQUIRED

- No. 2 Poz+ screwdriver.
- Wooden batten size 44mm wide x 34mm thick x 450mm long.
- Plunge router.
- 30mm diameter guide bush.
- 12mm diameter router cutter.
- 2 x clamps.
- A means to hold door on its edge.
- Chisel or corner chisel.

## ITEMS ENCLOSED & DESCRIPTION OF PARTS



**Templates have sharp corners. Please take care.**



**Consider working environment before using tools.**

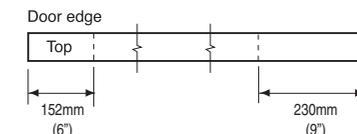
## OPERATION



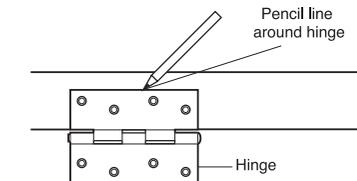
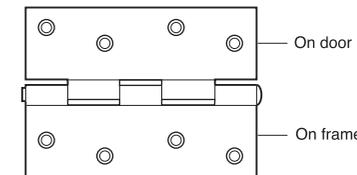
### Marking Out of Hinge

- Adjust size of door to suit door opening.
- Lay door down on its edge with the edge that requires the hinges to be fitted uppermost. Hold the door in this position using a block and wedge or clamping work bench.
- Measure down from top of door 150mm and mark with a pencil. This is the top of the top hinge.
- Measure up from bottom of door frame 230mm. This is the bottom of the bottom hinge.

If a middle hinge is required position this in the middle.

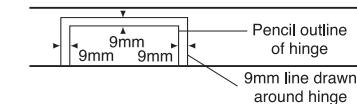


- Place hinge on edge of door, ensuring it is on the correct side. The knuckle should overhang.



- Draw around hinge. Repeat for other hinges.

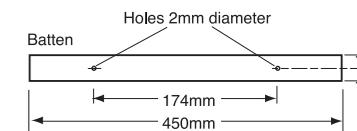
- Measure 9mm from each side and draw a line. This line is used to position the template, allowing for the offset between cutter and guide bush.



### Setting up of Butt Hinge Template



- Make a batten 44mm wide x 34mm thick x 450mm long.
- Drill two 2mm diameter holes in the centre of the batten at 174mm centre to centre.



- Fix the batten to template frame slots using the pan head screws supplied and using a No. 2 Poz+ screwdriver. Do not tighten.



- Fit the chosen hinge template into the frame and line up template to the pencil lines.

## MAINTENANCE

The accessory has been designed to operate over a long period of time with minimum of maintenance. Continual satisfactory operation depends upon proper tool care and regular cleaning.

Please use only Trend original spare parts and accessories.

## Cleaning

- Regularly clean the template with a soft cloth.
- Do not use corrosive cleaning solutions.

## Lubrication

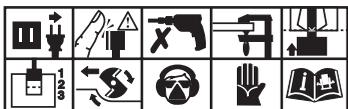
- Your templates do not require lubrication.

## Storage

- Always return product to its packaging after use, or hang it on a wall hook.

## GUARANTEE

All Trend products are guaranteed against any defects in either workmanship or material, except products that have been damaged due to improper use or maintenance.



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## ENVIRONMENTAL PROTECTION

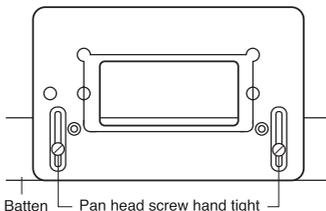
Recycle raw materials instead of disposing as waste.

The packaging, product and its accessories at the end of its life should be sorted for environmentally friendly recycling.

## Safety Points

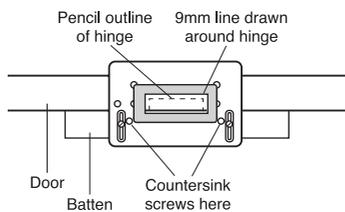
- Disconnect power tool and attachment from power supply when not in use, before servicing, when making adjustments and when changing accessories such as cutters. Ensure switch is in "off" position and cutter has stopped rotating.
  - Read and understand instructions supplied with power tool, attachment and cutter.
  - Current Personal Protective Equipment (PPE) for eye, ear and respiratory protection must be worn. Keep hands, hair and clothes clear of the cutter.
  - Before each use check cutter is sharp and free from damage. Do not use if cutter is dull, broken or cracked or if any damage is noticeable or suspected.
  - The maximum speed (rmax) marked on tool or in instructions or on packaging shall not be exceeded. Where stated, the speed range should be adhered to.
  - Insert the shank into the router collet at least all the way to the marked line indicated on the shank. This ensures at least 3/4 of shank length is held in collet. Ensure clamping surfaces are clean.
  - Check all fixing and fastening nuts, bolts and screws on power tool, attachment and cutting tools are correctly assembled, tight and to correct torque setting before use.
  - Ensure all visors, guards and dust extraction is fitted.
  - The direction of routing must always be opposite to the cutter's direction of rotation.
  - Do not switch power tool on with the cutter touching the workpiece.
  - Trial cuts should be made in waste material before starting any project.
  - Repair of tools is only allowed according to tool manufacturers instructions.
  - Do not take deep cuts in one pass, take shallow passes to reduce the side load applied to the cutter.
- Please see [www.trend-uk.com/safety](http://www.trend-uk.com/safety) for more safety advice.

Our policy of continuous improvements mean that specifications may change without notice. Trend Machinery & Cutting Tools Ltd. cannot be held liable for any material rendered unusable, or for any form of consequential loss.

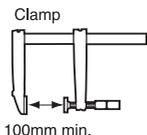


Whilst holding the frame in position slide the batten so that it touches the edge of the door throughout its length.

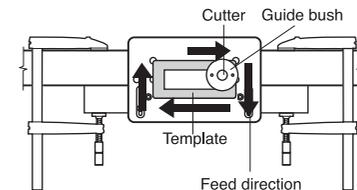
- Tighten up the pan head screws to secure the batten at this position.
- Double check that template is in the correct position and that the batten is positioned properly.
- Once the position is correct, using the two countersunk holes as a guide drill two 2mm diameter holes into the batten.
- Screw the two countersunk screws into the countersunk holes in the template frame to secure the batten properly.



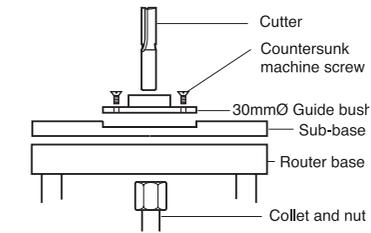
- Check template to drawn line and using two clamps secure the batten to the door edge. Ensure clamps do not foul path of the router.



## Setting up of Router



- Fit a 30mm guide bush to the router. A universal sub-base Ref. UNIBASE may be required for some makes and models of router.
- Fit the 12mm diameter cutter into the router collet.
- Set depth stop to limit the depth of cut, this can be achieved by placing the router onto the template, and plunging door until the cutter touches the work piece. Then place the butt hinge onto the turret stop and lower depth stop until it touches the hinge and then lock knob.
- Release router plunge. The depth stop is now set to the hinge thickness.



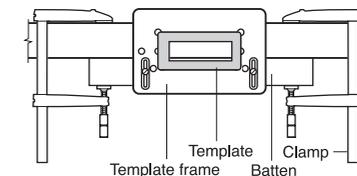
Ensure working position is comfortable, especially when setting up and routing. Ensure door is clamped properly.



Ensure all fixing screws are tight and do not foul the router.

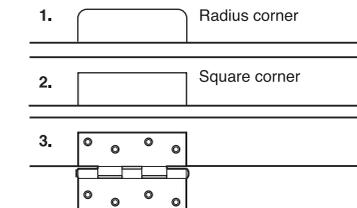
## Routing the Hinge Recess in the Door Edge

- Place router with guide bush fitted into chosen template in frame, switch on router and plunge to depth. Rout in a clockwise direction until the hinge recess is created.
- Release plunge and switch off router. Check recess is correct.



Ensure working position is comfortable, especially when setting up the jig and routing a hinge recess in a door. Ensure door is clamped properly.

- Release template and frame assembly and repeat operation for the other hinge recess positions.
- Use either a chisel or corner chisel to square the rounded corners of the face plate. Check fit of hinge.
- Fit the hinges to the door using the correct screws supplied with the hinges.



## Door Frame

This template can only be used with frames or linings with removable stops and architrave.

- With the door prepared to fit the opening including a sufficient gap and with the hinges fitted place in frame or lining.
- Leave a 2mm clearance between top of door and frame.
- Mark the hinge positions onto frame.
- Place the jig in position and allow 9mm all the way round.
- Secure with clamps or screws.
- Repeat routing procedure as before. Extra care must be taken as the router will be held on its side.
- Fit hinges.

After use of the template, keep batten fitted and store template properly.

## ACCESSORIES

Please use only Trend original accessories.

Ref. WP-BH/T/3	Template for 3" hinge (76.2mm).
Ref. WP-BH/T/4	Template for 4" hinge (101.6mm).
Ref. GB30	30mm Guide Bush
Ref. 3/8LX1/4TC TR12X1/4TC C019X1/4TC	12mm diameter router cutter.

## SPARE PARTS

Please use only Trend original spare parts.

Ref. WP-BH/T/75	Template for 75mm hinge.
Ref. WP-BH/T/100	Template for 100mm hinge.