



Please
read carefully
before use

N•COMPASS™



trend[®]
routing technology



Please read these instructions before use.

INST/NCOMP/A v3.0

N-COMPASS™

REF. N/COMPASS™

Thank you for purchasing this Trend product which should give lasting performance if used in accordance with these instructions. 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

This accessory is intended to be used with a suitable router, which has 8mm guide rod diameters and rod centres between 75mm and 94mm. It is used to cut circles and arcs with diameters ranging from 25mm to 200mm to high tolerances.

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.

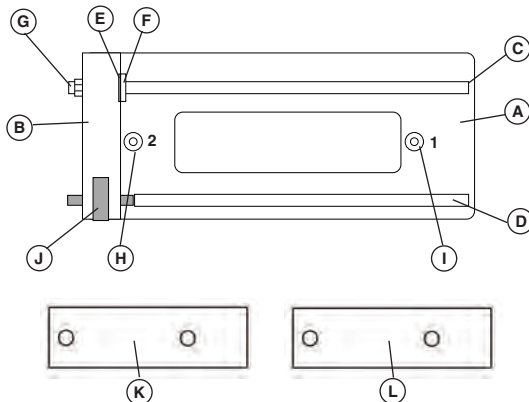
Users must be competent in using woodworking equipment before using our products.

ITEMS REQUIRED

- Router with a suitable rod size and centres.
- Router cutter.
- Flat head screwdriver.
- Hand Tools.

ITEMS ENCLOSED

- A. Base plate
- B. Bridge
- C. Fixed guide rail
- D. Vernier guide rail
- E. Fixed guide rod washer
- F. Circlip
- G. Lock nut
- H. Countersunk pivot hole 2
- I. Countersunk pivot hole 1 with pivot pin & locking screw fitted
- J. Micro adjuster
- K. Bridge shim spacer 1.0mm
- L. Bridge shim spacer 0.5mm



DESCRIPTION OF PARTS

Base plate

The 3mm steel base plate offers great rigidity, its powder-coated finish gives a low friction durable surface.

Guide Rods

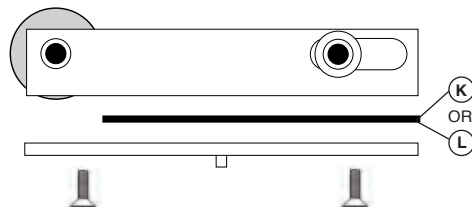
The router guide rods lie parallel to the base plate, and slot through your router base securing the router to the N-Compass™.

Bridge

The aluminium bridge supports the two guide rods. The vernier guide rod passes through an 8mm circular hole. The fixed guide rod passes through an 8mm x 19mm slotted hole, this allows setting to the guide rod separation of different makes of router.

Bridge Shim Pieces

Not normally required, but to cater for different makes of router, the separation between the guide rods and the base plate may be increased by inserting the spacers provided. If these become lost, or for different thickness, plywood, thick card or similar sheet material may be used for this purpose.



Micro Adjuster

The aluminium micro adjuster can be rotated for precise positioning of the cutter. This aluminium adjuster is knurled for easy operation. One full rotation of this adjuster will move the cutter by 1.25mm.

Countersunk Pin Holes 1 & 2

Hole 1 is the standard pivot point for the N•Compass™, this is positioned close under the router base enabling circles to be cut from approximately 200mm to as small as 25mm in diameter. Hole 2 is an alternative position for larger circles and when using extension rods.

OPERATION

Routing a Circle or Arc

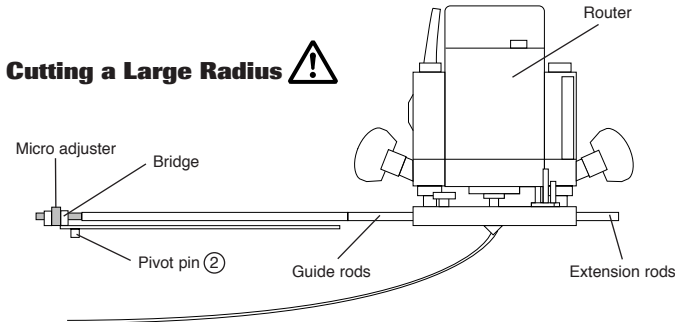


- Mark out the desired dimensions of the circle/arc on your work piece.
- Drill a 6.35mm (1/4") hole at least 6.35mm (1/4") deep in the work piece at the geometric centre of the desired circle/arc.
- Place the N•Compass and router assembly onto the work piece, ensuring that the pivot pin is located in the previously drilled hole.
- Slide the router along the guide bars to align the router cutter with the marked circle/arc dimensions and lock both router thumb knobs.
- To use the micro adjustment, loosen the router thumb knob holding the fixed guide rod and lock the router thumb knob holding the vernier guide rod.
- Rotate the micro adjuster to align the router cutter precisely with the marked circle/arc dimensions.
- Lock the router thumb knob on the fixed guide rod.
- Ensure all router thumb knobs are secure and the router depth stop is set appropriately.
- Proceed to cut by rotating the router around the pivot pin.
- After use the N•Compass™ should be removed from the router.

Large Radius Cutting with N•Compass™ Extension Rods Ref. N/COMPASS/AEX

Simply screw the extension rods into the threaded ends of the N•Compass guide rods to give the facility to rout larger circles.

When using the N•Compass with the extension rods accessory, the pivot pin should be positioned in countersunk hole B. The radius of the cut will be limited by the number of extension rods you possess.

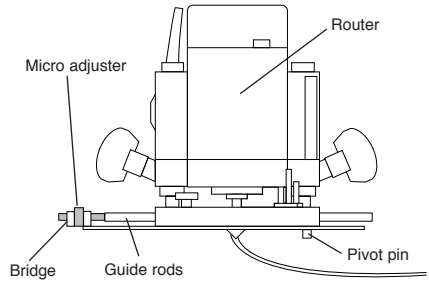


Inexpert use of even a small router is potentially dangerous. In some configurations, use of more than one set of extension rods may promote unstable cutting. Do not configure the N•Compass™ assembly such that the cutter is 'pulling in' or side loads are applied to the guide rods.

Handy Hints

- If a centre hole must be avoided in the work piece, use a 6.35mm (1/4") thick overlay secured with double-sided adhesive tape or any similar method - e.g. cramps, screws etc - and drill a 6.35mm (1/4") diameter hole in the overlay.
- When using the supplied pivot pin, always ensure that it is secured firmly to the M4 screw through the base plate and that there is no tendency for it to 'lift' out of the drilled hole.
- Always ensure that the router is held in a stable manner; ideally, hold the router handles, as this will ensure that the router does not tilt or fall. If your position becomes uncomfortable when cutting a curve, stop the router and reposition for best control before continuing.
- For difficult or heavy cuts, the pivot pin may be replaced with a countersunk woodscrew secured into the work piece. This screw should be a snug fit in the base plate to avoid 'chatter'.
- Until familiar with the 'feel' of the N•Compass™ it is best initially to take several shallow cuts.
- If unsure of any cutting configuration, always seek advice from an expert router user.

Cutting a Small Radius



MAINTENANCE

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

Cleaning

- Regularly clean jig with a soft cloth.

Lubrication

- Your accessory requires no additional lubrication.

Storage

- After use, return the product to its packaging.

ENVIRONMENTAL PROTECTION

Recycle raw materials instead of disposing as waste.

Packaging should be sorted for environmental-friendly recycling.

The product and its accessories at the end of its life should be sorted for environmental-friendly recycling.

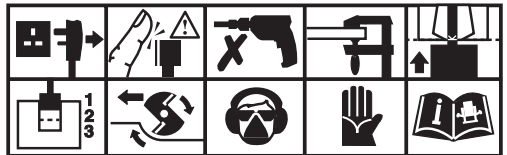
GUARANTEE

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.

Safety Points

1. 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. Always ensure cutter has stopped rotating.
2. Read and understand instructions supplied with power tool, attachment and cutter.
3. Current Personal Protective Equipment (PPE) for eye, ear and respiratory protection must be worn. Keep hands, hair and clothes clear of the cutter.
4. 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.
5. The maximum speed (nmax) marked on tool or in instructions or on packaging shall not be exceeded. Where stated, the speed range should be adhered to.
6. 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.
7. 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.
8. Ensure all visors, guards and dust extraction is fitted.
9. The direction of routing must always be opposite to the cutter's direction of rotation.
10. Do not switch power tool on with the cutter touching the workpiece.
11. Trial cuts should be made in waste material before starting any project.
12. Repair of tools is only allowed according to tool manufacturers instructions.
13. Do not take deep cuts in one pass, take several shallow passes to reduce the side load applied to the cutter.

Please see 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.

Manufactured by M•Power Tools Ltd™
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