

Rosette Drilling Tool RDT/SET

INSTRUCTIONS

trend[®]
routing technology

INST/RDT v3.0

Please
read carefully
before use

ROSETTE DRILLING TOOL REF. SET/RDT

Thank you for purchasing this Trend drilling tool, which makes it possible to drill rosettes recessed into the wood or in relief. A number of standard shapes provide the basis for designing carved wood circles and flowers.

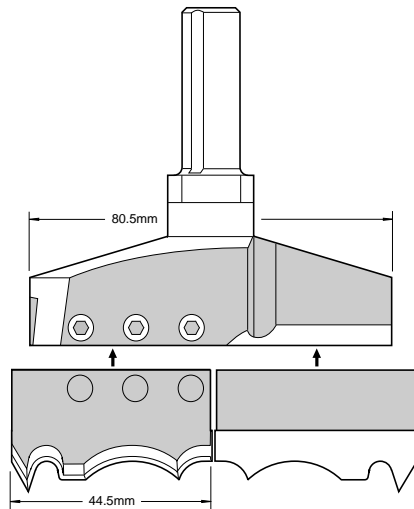
The RDT/SET is constructed from hardened steel supporting a pair of removable tungsten carbide knives. The mounting is extremely accurate. The tool is blackened to guard against corrosion and is balanced to a high degree. The RDT/SET can be used with a standing drill press, mill, lathe or CNC machine.

The choice of removable knives allows for a diversity of rosette patterns in varying shapes and sizes. The two types of rosette are the "inlay", giving a finished cut which is recessed into the material, and the "button", with spurs which cut the rosette free.

The RDT/SET is manufactured using sophisticated engineering technology and subject to stringent quality control procedures.

- There is no need for a separate tool for individual rosette styles. The tool has one body and comes with a choice of removable knives.
- Removing and changing knives is quick and easy using the three pairs of screws supplied.

- The three facet shaft holds the tool firmly in the chuck and prevents it from slipping.
- The RDT/SET comprises of the tool body and a hex key supplied in a wooden box. The set does not include any knives. The tungsten carbide knives are sold in pairs and fifteen styles are available. The wooden box has space for five pairs of knives.
- A clean smooth cut in the wood is achieved as a result of the optimal cutting angle and an extremely sharp cutting edge.



Operating Instructions for the RDT/SET

1. Ensure that the knives are located in their exact position and that the screws are properly tightened

⚠ **Please note:**
When using the small knives which are supported by only two screws, it is imperative to remove the unused third screw.

2. Ensure manually that the rosette drill is firmly located and does not turn in the chuck.
3. Check that the speed is suitable for the type of wood being worked:

MDF:	300 - 3,800 RPM	} straight, dense & close grained only
Softwood:	3000 - 6,000 RPM	
Hardwood:	300 - 2,000 RPM	

4. Place the material (with natural wood take care of the direction of the fibres) and clamp it well to the machine table.
5. At the beginning of the operation ensure that the machine is stable, without vibrations, and that the spindle revolves in a right-hand direction.
6. Work with slow feed until the rosette form is complete.

7. Under no circumstance is the tool to be stopped by hand.
8. For your safety, remove the tool from the machine prior to changing the knives.

⚠ **Please note:**
It is very important to work with a stable machine. Machine instability can cause vibrations to the tool and lead to breakage of the scribers. The wood must be clamped firmly during operation.

⚠ **Please note:**
Before use of cutter please ensure it is correctly assembled and locking screws are fully tightened.

Spare Parts	Order Ref.
Grub Screw	SP-RDT/A
Hex Key 4mm A/F	SP-RDT/B
Arbor only	SP-RDT/C

Rosette Designs knives are sold
in pairs - not to scale.
(* button type rosettes)



RDT/10*



RDT/10



RDT/20*



RDT/20



RDT/30



RDT/40



RDT/50



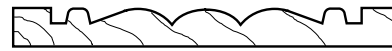
RDT/60



RDT/70



RDT/80



RDT/90



RDT/100



RDT/100*



RDT/110



RDT/120



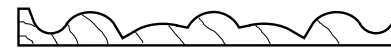
RDT/120*



RDT/130



RDT/130*



RDT/140



RDT/150

Safety Steps

1. Always wear eye protection such as goggles, ear protection and use effective respiratory protection.
2. Before making adjustments to the drill, like changing the cutter, make sure the power is isolated correctly.
3. Before re-connecting to the mains supply, make sure the power switch on the drilling machine is in the 'off' position.
4. Do not switch on the drilling machine with the cutter in contact with the workpiece.
5. Before making adjustments always allow the cutter to stop rotating.
6. When drilling keep your hands, hair and clothing clear of the cutter.
7. Make sure you follow the instructions which came with your drilling machine.
8. Ensure all visors, guards and dust extraction are fitted.
9. Trial cuts should be made in waste material before starting any project.

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

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