

Boxmaking Cutters from Gifkins Dovetail

Set #2

- | | |
|-------------------------|--|
| 5. Bull Nose cutter | 7 mm diameter , ½ " shank, without bearing |
| 6. Spiral cutter | 4 mm, solid carbide, ¼" shank |
| 7. Round over cutter | 4.8 mm radius, ½" shank, with bearing |
| 8. Spur point drill bit | 8 mm diameter drill for concealed hinges |
| 9. Spur point drill bit | 2 mm diameter drill for wooden hinges |



All the cutters in Set #1 and Set #2 are used in Roger's Plans #3, and can be used time and again in all small boxmaking work. The individual cutters or the sets are available mail order from Gifkins Dovetail.

IMPORTANT

The spiral cutter is designed for use in a table mounted router, and should **not be used** in a hand held router. Spiral bits are fragile and are not guaranteed against breakage.

The set # 2 now comes with a 4 mm spiral rather than a 3.2 mm spiral, as customers were getting too many breakages with the smaller cutter. Another advantage is that the 4 mm cutter has 16 mm length of cut, which makes it more versatile.

Notes on using cutters and drills:

- 5 Bull Nose Cutter.** Used for cutting a full round over on internal lining. Can be used on lining material from about 4 mm up to 7 mm thick. We are now getting this cutter made without a bearing, as for this type of work the bearing simply got in the way. Must be used with a fence on the router table.
- 6 Spiral Cutter.** Used for splitting boxes in half and also for wooden hinges. Spiral cutters give an extremely clean cut and with care the finished cut does not even need sanding. For splitting boxes, it is important not to cut too much in one pass, as the cutters are fragile. As a guide, in soft timbers a maximum depth of cut is 6 mm in one pass, and with harder timbers this should be reduced to 4 or 5 mm in one pass. Even though this could mean running around the box in 2 or 3 passes, the clean finish from the cutter will save lots of work by eliminating sanding. Must be used with a fence on the router table. See Boxmaking Plans #3 for more details on using this cutter.
- 7 Round Over Cutter.** A standard cutter with bearing, used in most boxmaking work to soften the edges. The bearing runs against the side of the box, so there is no need for a fence in most situations.
- 8 8 mm Spur Point Drill.** For use in a drill press when fitting 8 mm concealed hinges. Standard steel twist drills do not drill straight in timber, as the drill will follow the grain. The spur point ensures the drill will run true, giving a hole parallel to the side when drilling hinge holes.
- 9 2 mm Spur Point Drill.** For use in a drill press when making wooden hinges. For wooden hinges to work successfully, the pin holes must be exactly parallel to the sides. The spur point is vital to achieve this accuracy.