



RADIUS PLANE

INTRODUCTION

Your radius plane sole has a 9" (230mm) longitudinal radius and a 3" (75mm) radius across the plane. It is specifically designed for refining the concave surface in the seat of a Windsor chair, or any other concave surface you may encounter in furniture making.

SETUP

- To remove blade, tap directly behind the blade, once the wedge loosens you may remove both the wedge and blade. **(A)**



To set the blade up for use, follow these simple steps:

- Place the plane on the wooden setting block and insert the blade.
- Loosely put the wedge into position and using a small mallet, tap the wedge in the middle so it tightens on the blade evenly.



- Turn the plane over and sight down the sole.



- Tap the blade as required to position it so the curved blade aligns with the sole of the plane. **(B)**
- If the blade is set too deep, tap the body directly behind the blade. **(C)**



NOTE: For any blade adjustments ensure you keep some downward pressure on the wedge using your thumb, otherwise the blade and wedge may come completely out of position.

USING YOUR RADIUS PLANE

This plane can be used with one or two hands. The top of the blade is shaped to fit in the palm of your hand when pushing the plane. The plane is also well shaped for comfortably pulling the plane.



SHARPENING

The blade has a standard 30° angle. When sharpening, ensure you maintain the curved profile to suit the sole of your plane. This can be done on a flat stone, rocking the bevel from corner to corner. Once the bevel is done, the back of the blade should be polished flat, the same as any other blade.



You can also use a wasp sander to do the curved bevel.



CARE AND MAINTENANCE

- Keep a smear of oil on your blade when not in use to prevent rust.
- Apply a tung oil base product on the wooden body to keep it looking good.
- If you feel the brass insert in the mouth is sitting proud above the wooden sole, take a sanding block and flush the brass with the sole, while maintaining the curved sole shape.

More information at:

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