

Important Notes for Using Your New INCRA HingeCrafter Metric

INCRA[®]

The new HingeCrafter Metric will let you produce beautifully crafted wooden hinges in a variety of sizes and lengths with your Metric-based INCRA Positioner. The HingeCrafter Metric IS NOT compatible with Imperial-based (1/32") Positioners. Please note the following differences in the instructional content with respect to this Metric version.

Supplies (Page 2)

The router bits required for this Metric version still include the Imperial bullnose cutters, as they must match the diameters of the existing drill bushings in order to properly locate the holes. These bullnose cutters, along with the required Metric Straight cutters for each size, are as listed below. When the instructions ask you to install or use the straight bit that matches the hinge barrel diameter, always use the pairings shown below.

- 3/8" Bullnose (9.52mm) use with 10mm Straight Bit**
- 1/2" Bullnose (12.7mm) use with 12mm Straight Bit**
- 5/8" Bullnose (15.88mm) use with 16mm Straight Bit**
- 3/4" Bullnose (19.05mm) use with 19mm Straight Bit**



Preparing your Wood Blanks (Page 3)

When thickness planing your lumber as described on page 3, it is important that your stock thickness match the bullnose bit's dimensions. You can use the Metric equivalents shown in parentheses above.

Increasing the Hinge Leaf Length (Page 5)

Set up as described (see Fig. 9) using the straight cutter that should be paired with your bullnose cutter. Slide your Metric scale to a reading equal to your straight bit diameter as shown in Fig 10. Make sure to lower your cutter so that the depth of cut is half of the material thickness before making any cuts. Use overlapping side by side cuts as described, moving the fence back away from the cutter about 6mm after each cut until you reach a scale reading of 32mm.

Cutting the Hinge Knuckles (Page 5)

Set up as described on page 5, then install the Fixed INCRAment Template that matches your straight bit diameter. The Metric Fixed INCRAment Templates required for use in cutting the knuckles are included with this kit. Template #26 includes markings for the 10mm hinge (blue lines) and 12mm hinge (red lines). Template #27 includes markings for the 16mm hinge (blue lines) and 19mm hinge (red lines).

Manufactured by:

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