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Technical Help

Category: Hollow Chisel Morticers

Title: Which shank size of mortice chisel should I use?

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Which shank size of mortice chisel should I use?

There are four shank sizes of chisel in use in the UK:

3/4" (19.05mm)

13/16" (20.64mm)

1.1/8" (28.58mm)

1.3/16" (30.16mm)

The Shank size or collar size of a hollow mortice chisel is the diameter of the round end of the chisel. These are always Imperial sizes.

The cutting size is the square end of the chisel. These can be Imperial or Metric sizes.

Most machines are fitted with a removable steel bush to suit a particular shank size of chisel, some machines are supplied with a set of bushes so they can be used with various shank sizes.

The two most common shank sizes are 3/4" (19.05mm) and 13/16" (20.64mm)

All Charnwood machines (and most other imported machines) use 3/4" size.

Some brands (such as Wadkin and Sedgwick) use the traditional old English size of 13/16".

When it comes to larger machines using chisels of up to 1" square the shank sizes change again, usually requiring the chisel bush to be changed first.

They can be 1.1/8" (28.58mm) or 1.3/16" (30.16mm)

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