



How to Make a Dowel Joint - Part 1

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In this video, you will learn how to make a dowel joint using a doweling jig.

The dowel joint holds two pieces together with the help of cylindrical wooden pegs or dowels that are inserted between them.

The tools and materials you will require are: a depth gauge, a coping saw, masking tape, a power drill, a ruler, a trysquare, a pencil, a file, a bench plane, a mallet, a clamp a punch, a hammer, a marking gauge, nails, three identical workpieces, dowels, adhesive, sawdust and a rag.

We shall start by making a doweling jig.

We shall join two workpieces of the same dimensions, one piece perpendicular to the other.

A third identical piece will be used to make a doweling jig.

A doweling Jig is an intermediate piece that helps to drill dowel holes accurately by locating the point of the dowel on both pieces.

Start by centering a workpiece on the jig piece, as shown, and draw two lines to mark its thickness.

Now, mark and draw a line running through the center point between the two lines.

Transfer the line to the opposite side of the jig piece using a trysquare.

Set the layout of the first dowel hole by marking its distance from the edge of the jig piece.

Here, it is set at 2 cms.

Adjust a marking gauge to copy the point you have just made.

Mark a second point along the center line from the opposite edge.

Now, mark the same points on the opposite surface of the piece as well.

Punch holes to help catch the drill bit.

Clamp the piece and drill half way into its thickness at both points.

Turn the piece over and drill through the remaining half of the thickness so the two holes run all the way through.

Now that the doweling jig is ready, you can drill the dowel holes.

For the remaining steps, continue watching How to make a Dowel Joint part 2.

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