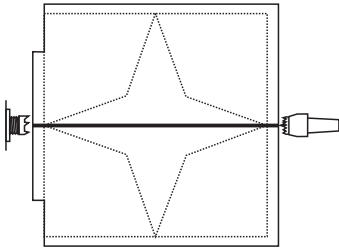
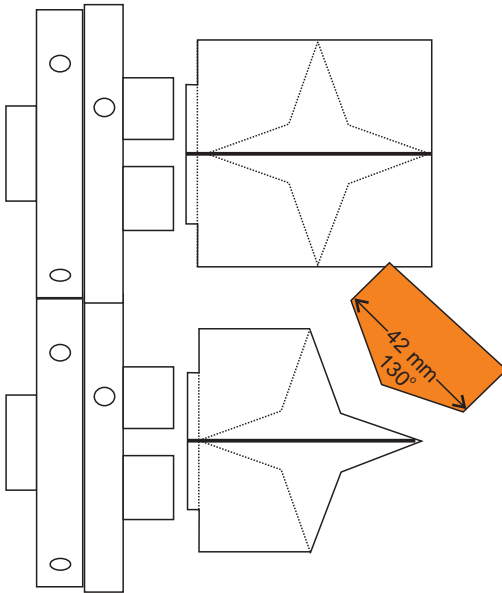


4 Point Star Streptohedron (Points)

From David Springett in his books Woodturning Wizardry and Woodturning Full Circle.

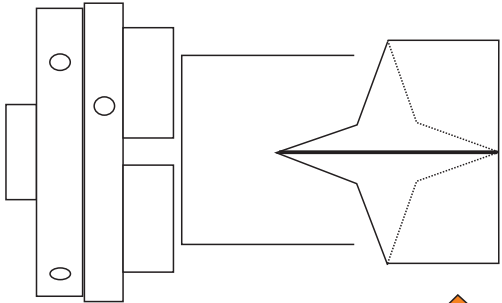


Start with a block that is two halves of a 65 mm cube cut and rejoined with a paper or double-sided tape joint at the centre. Mount this accurately between centres with the joint perfectly on centre and in line with the lathe drive. Turn the wood to be round. Cut a spigot for a 50 mm chuck on one end of the wood.

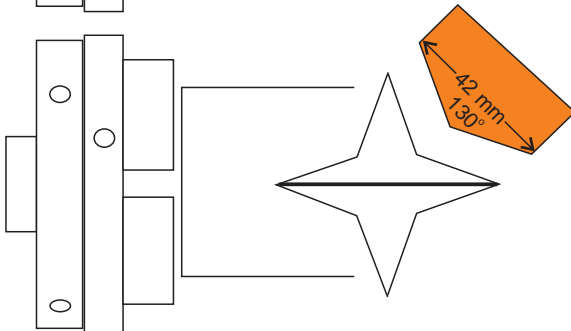


Mount the wood in a chuck. Turn it to 60 mm diameter. Dress the tailstock end to be flat and mark the centre with a pencil dot. Mark a line around the wood 30 mm from the tailstock end.

Cut a straight line between the 30 mm line and the dot on the end. Make a template that is 42 mm wide and has a 130° angle within that width. Use this to direct a cut between the 30 mm line and the dot on the end. Sand this area.



Turn the wood around and mount it in a jam chuck using hot melt glue to hold it. Put a line around the wood 30 mm towards the tailstock from the original 30 mm line. Cut away the wood on the tailstock side of this line. Mark the centre of this end with a pencil dot.



Cut a straight line between the 30 mm line and the dot on the end. Use the template to direct a cut between the 30 mm line and the dot on the end. Sand this area.

Remove the wood from the lathe. Split the joint and ensure the two faces of the wood are clean and smooth. Rotate one of the two parts through 90 degrees and glue the wood together. Sand and finish.

