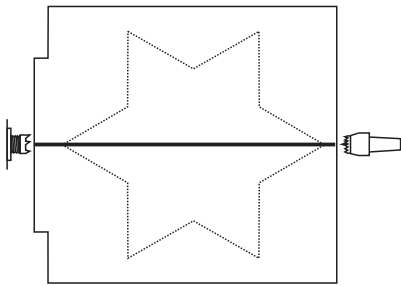
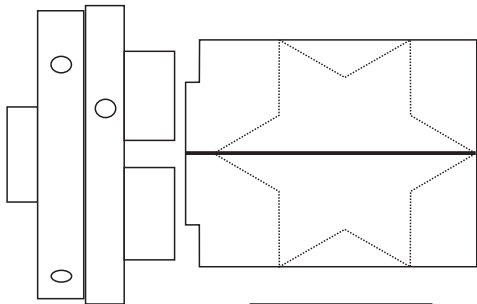


6 Point Star Streptohedron (Points)

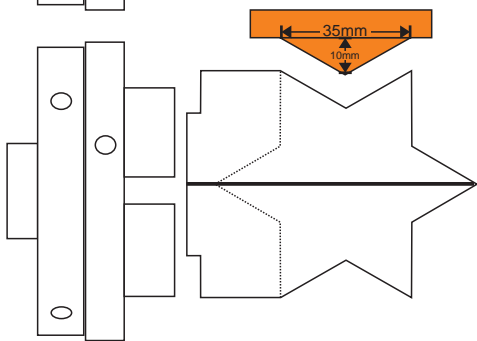
From David Springett in his books Woodturning Wizardry and Woodturning Full Circle.



Start with a block that is two halves of an 80 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 and cut a spigot for mounting the wood in a 50 mm chuck on one end.

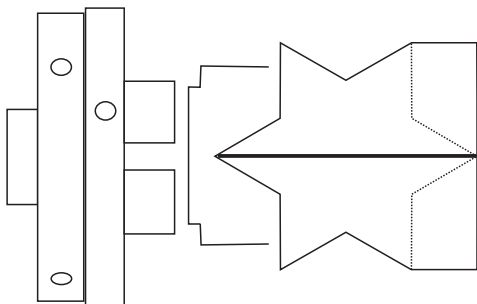


Mount the wood in a chuck and turn it to be exactly 60 mm diameter. Dress the tailstock end of the wood to be perfectly flat. Put a pencil dot at the exact centre of the end. Draw lines around the wood 17.5, 52.5 and 70 mm from the tailstock end.

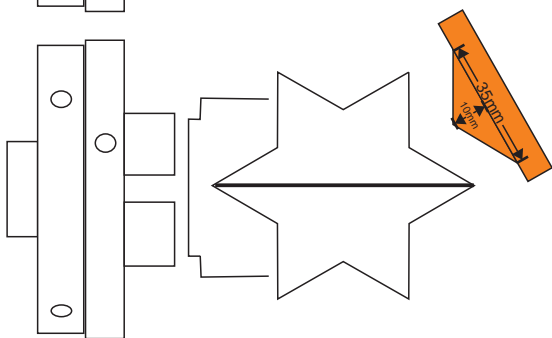


Make a template which is a triangle 35 mm wide at the base and 10 mm to the peak with a handle attached.

Cut a straight face between the 17.5 mm line and the centre of the end. Then cut within that area to the shape of the template. Then cut the same shape to fit the template between the 52.5 mm line and the 17.5 mm. Sand these areas.



Turn the work around and mount it in a jam chuck. Bring up the tailstock for additional security. On the tailstock side of the 70 mm line cut the end of the wood perfectly flat. Remove the tailstock for the final cuts.



Cut a straight face between the 52.5 mm line and the centre of the end. Then cut within that area to the shape of the template. 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 60 degrees and glue the wood together. Sand and finish.

