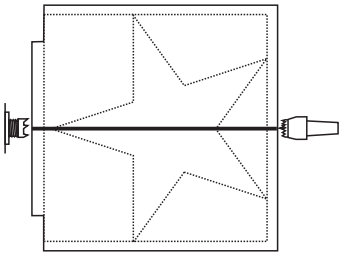
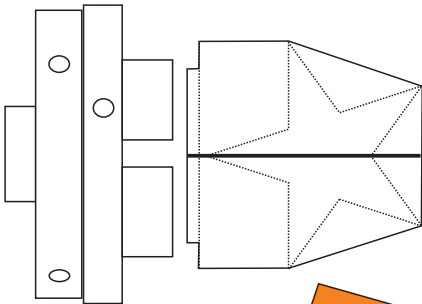


## 5 Point Star Streptohedron

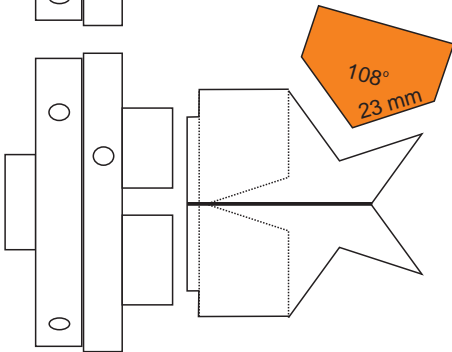
From David Springett in his books Woodturning Wizardry and Woodturning Full Circle.



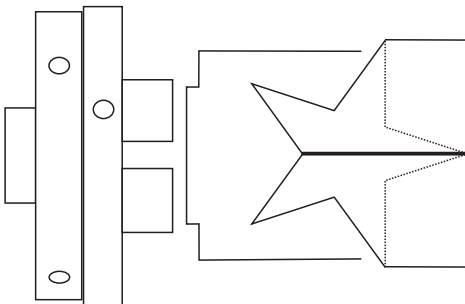
Start with a block that is two halves of a 65 mm cube cut and rejoined with a paper or double-sided tape joint at the centre. Mount this accurately between centres with the joint perfectly on centre and in line with the lathe drive. Round it off and make a spigot for a 50 mm chuck on one end.



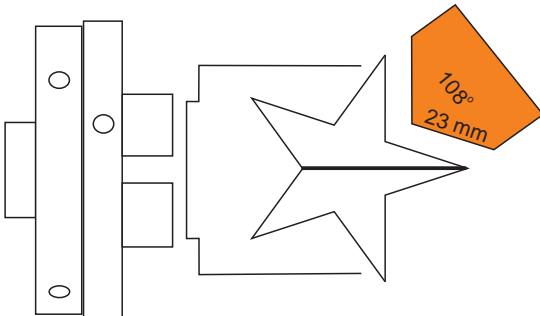
Mount the work in a chuck. Turn it to exactly 60 mm diameter. Dress the tailstock end of the wood to be flat and put a 37 mm circle on this end. Mark a line around the wood 35 mm from the tailstock end. Cut away the wood between the 35 mm mark and 37 mm circle mark.



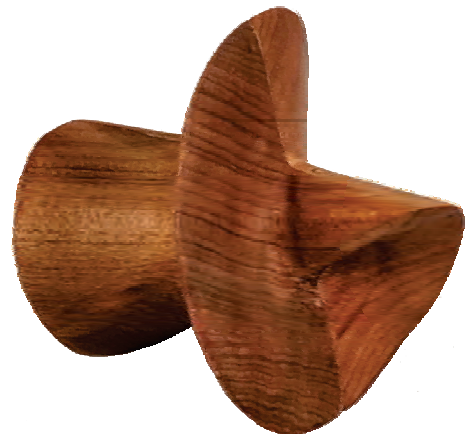
Make a template for the "V" cuts of the star. The angle at the bottom of the cut is  $108^\circ$  and the length of each side 23 mm. Cut the two "Vs" on the exposed part of the star. Sand these areas.



Remount the work in a jam chuck or a scroll chuck which fits the 37 mm diameter of the points of the star. From the 35 mm mark put on the wood earlier measure 22 mm towards the tailstock and mark the wood there. Cut a perfectly flat face on the work at this point. Mark the exact centre of this surface with a pencil dot.



Cut and sand the last "V" of the star.



Remove the wood from the lathe. Split the joint and ensure those surfaces are clean. Rotate one of the two parts through 108 degrees and glue the wood together. Sand and finish.