

OPITEC

Hobbyfix

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AROMA LAMP with octagonal wooden base



Please Note

The OPITEC range of projects is not intended as play toys for young children. They are teaching aids for young people learning the skills of Craft, Design and Technology. These projects should only be undertaken and tested with the guidance of a fully qualified adult. The finished projects are not suitable to give to children under 3 years old. Some parts can be swallowed. Danger of suffocation!

Contents:

1x Pine base	20 x 150 x 150 mm
1x Metal rod	ø 4 x 500 mm
1x Copper disc	
1x Copper ring	ø 12 mm
1x Chain	approx 300 mm
1x Tea light candle	

Making:

This is a striking version of a decorative aroma lamp and its construction will cover a range of skills. To make it easier, we suggest that pupils work in the following order:

1. Mark out and saw the octagon from the pine board size 20 x 150 x 150mm.

The edges can then be sanded and chamfered approx 10mm wide.

Of course alternative shapes can be used for the base.

2. To fix the arm to the base, a hole 4mm dia and 45mm deep needs to be drilled in the midddle of one of the sides on the base. The finished base can then either be painted or varnished.

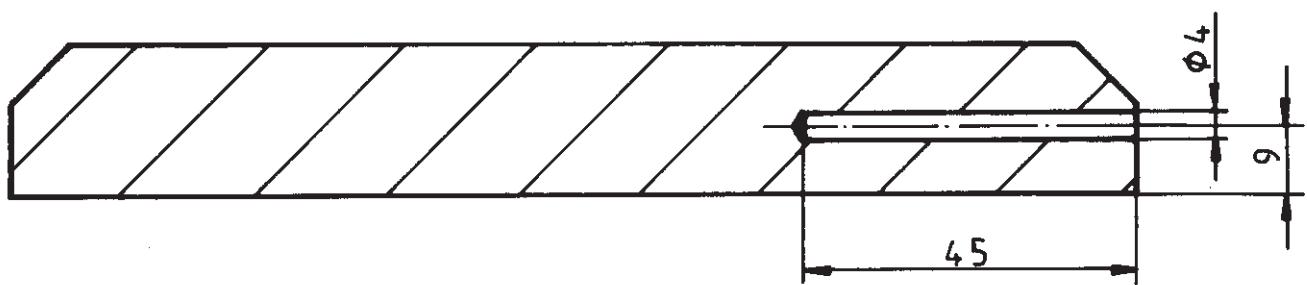
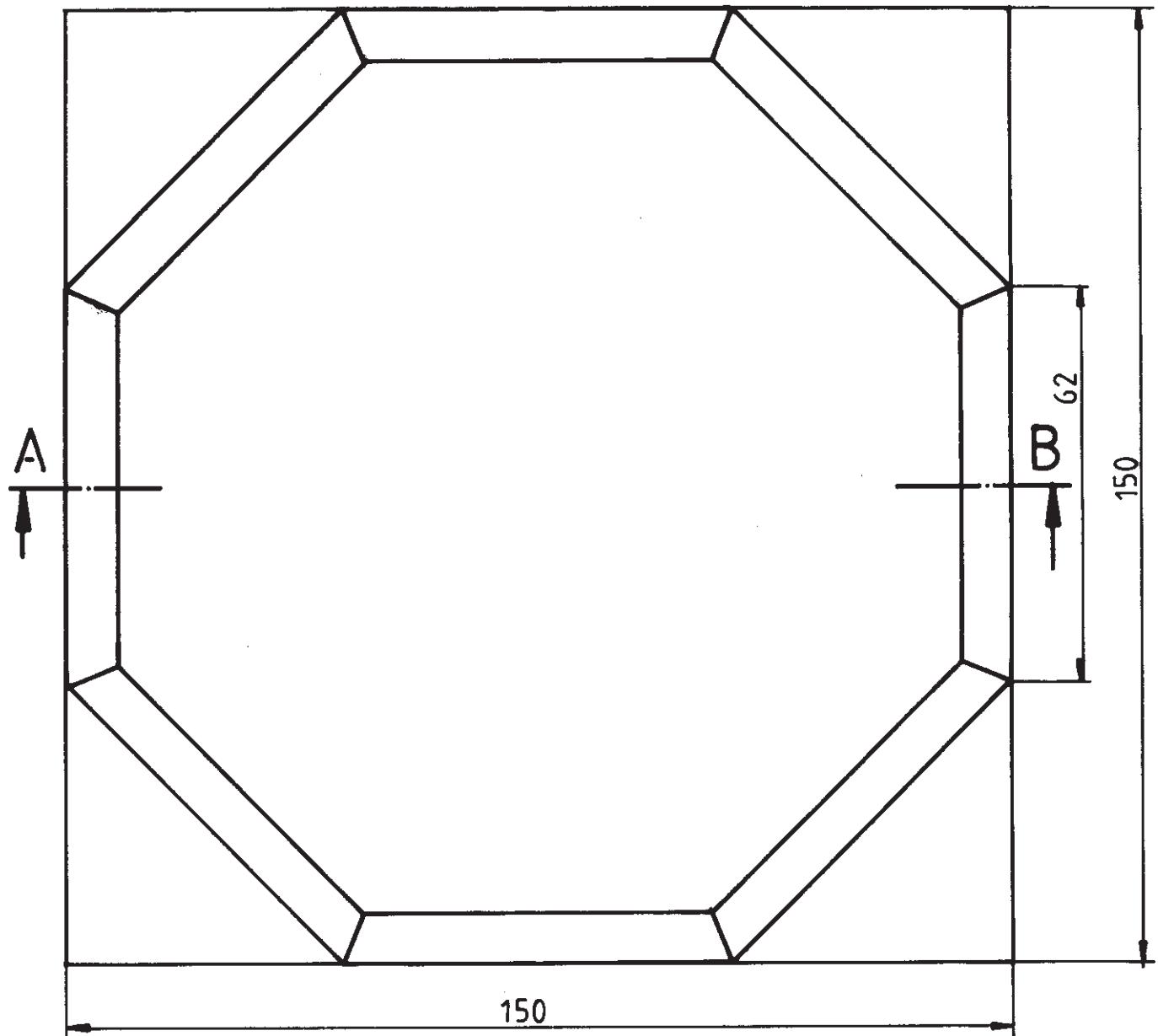
3. The arm is made from the metal rod 4mm dia x 500mm long. A 1:1 pattern is included so that a smooth curve can be achieved. If you wish you can make a jig, using nails on a board. This is useful when making more than one lamp. To ensure a good join, we recommend fixing the arm into the base, using Pattex stabilit.(Opitec Cat.page 130)

4. The bowl for the oil is made from the copper disc 100 x 0.8mm.

The holes for hanging, which are spaced at 120 degrees, should be drilled first, before forming the bowl. To form the bowl you will need a wooden pattern block and a shaped planishing hammer.(Opitec catalogue page 115)

5. The fixing chain for the bowl should be measured and cut into three equal lengths (count the links) Open and close the links for fixing the ends of the chain to the bowl. The other ends of the chain are finally threaded on to the copper ring. Here again the links of the chain must be opened and closed for a neat fixing. When hanging the bowl from the arm we recommend a height of approx.10cm over the base, so that the oils do not evaporate too quickly. The pupils can experiment and test for the best place at this point. Finally when satisfied with the results, hang the bowl and fill it with a mixture of oils and water. You are now ready to test and enjoy your work.

Base



Support arm

Scale 1:1

