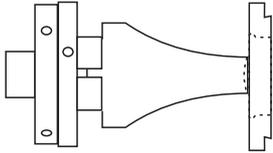




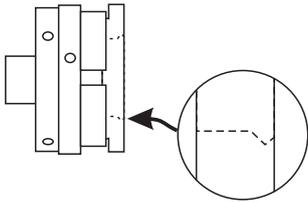
JEWELLERY CHUCK 40

These two plastic chucks are used to make 40mm dia wooden pendant jewellery with a hole well off-centre for the string (see Project Sheet "Pendant Jewellery 40"). For other sizes of jewellery the chuck sizes will need to change.

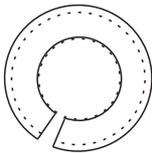
A plastic chuck to hold a 40mm round item in a central position



Cut a piece of 10mm thick plastic chopping board to 60 to 70mm square. Hold it on a screw chuck or in a four jaw chuck and turn a 50 to 52mm chuck bite on the exposed side.

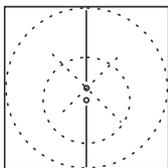


Re-mount the plastic the other way around in a chuck. Round off the outside edge of the plastic. Cut a 39mm dia hole through the plastic. Cut a shallow but sharply-angled dovetail into the side of this hole. The widest point within this dovetail should be 41mm and this point should be less than 2mm back from the face of the plastic.

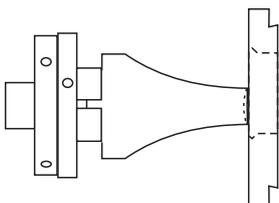


Saw a gap 5 to 10mm wide towards one side of the circle. This allows the hole to diminish in size as the chuck jaws are tightened.

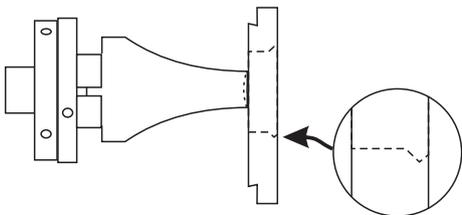
A plastic chuck to hold a 40mm round item in an offset position



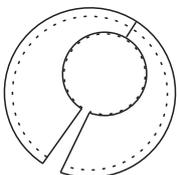
Cut a piece of 10mm thick plastic chopping board to about 100mm square. Drill a central hole of the size required to mount it on the screw chuck. Drill a second hole of the same size 13mm off-centre. Draw a permanent line through these two holes to the edges of the plastic.



Hold it using the central drill hole on a screw chuck (or in a four jaw chuck). The drawn line should be facing the headstock. Turn an 88 to 90mm chuck bite on the exposed side.



Re-mount the plastic the other way around but this time using the offset drilled hole. Cut a shallow but sharply-angled dovetail into this face. The widest point within this dovetail should be 41mm and this point should be less than 2mm back from the face of the plastic. Part the plastic off by driving a parting tool through behind the dovetail to make a 39mm dia hole.



Saw a gap 5 to 10mm wide into the larger side of the circle. If one sawcut is close beside the drawn centre line this will make the chuck easier to use. Do not cut through the narrower side of the circle.