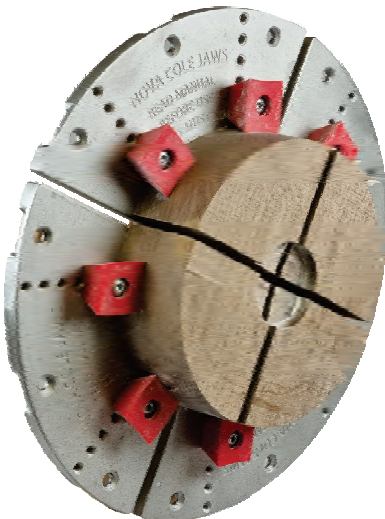


Soft-Grip Chuck

These chucks can be made to the size required to hold any item which would be damaged by sharp steel chuck jaws. In use they are not intended to be cinched up tight but just closed enough to turn the work at a slow speed, usually with the tailstock brought up for security.



You can purchase a Nova Soft Jaw Set and put them on a chuck. The attachment screws are seated deep in the plastic leaving room for you to make jaws as detailed below for the wooden chuck.



Use a bowl blank of 200 to 250mm diameter, 50mm thick and of firm wood. Turn it round on the lathe and then cut it to quarters. Secure this in a Cole chuck with the quarters exactly on the quarters of the chuck. From the back of the chuck put at least two screws into each quarter of the wood.

Or, for longer life of the soft jaws, drill holes and fit bolts, with the heads deep in the wood, to hold the wood segments to the Cole jaws.



Measure the foot of the work you wish to hold. On the lathe, with the Cole jaws closed, turn a straight-sided cavity in the wood. This cavity to be a little deeper and 2 to 3mm smaller in diameter than the foot of the work you wish to hold. Open the Cole jaws and then close them onto the work piece. Bring up the tailstock for added security. Turn the work at low speeds.