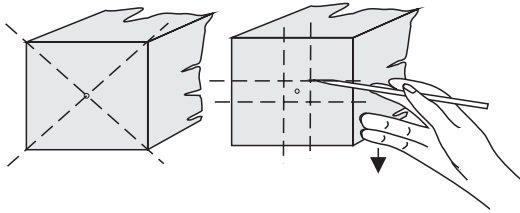


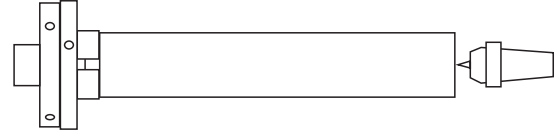
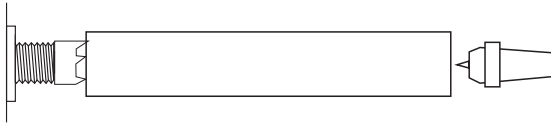


## MOUNTING THE WOOD

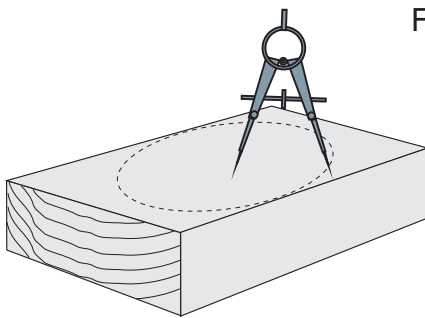
### Spindle Turning



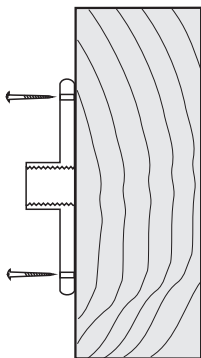
Mark the ends of the wood to locate the centre. Secure the wood firmly between the spur drive in the head stock and tail stock centre. Make sure the spur drive is driven well into the wood and the tailstock is secured.



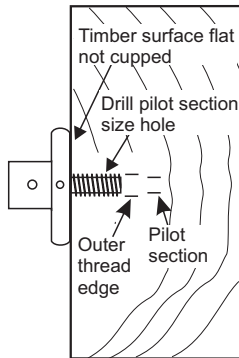
### Faceplate Turning



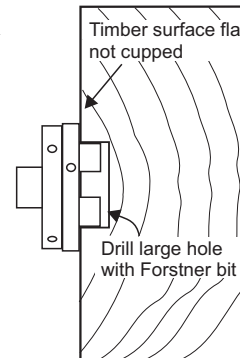
Mark the centre on the side that is to be secured to the lathe. The faceplate or chuck should be attached to this side of the wood.



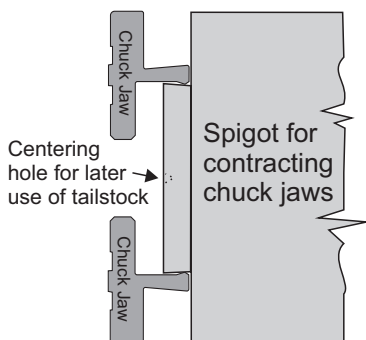
A faceplate (left) is ideal for larger pieces of wood.



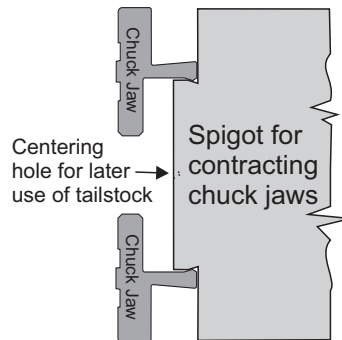
A screw chuck (left) is better for smaller pieces of wood. The screw may be part of a faceplate or gripped in a scroll chuck.



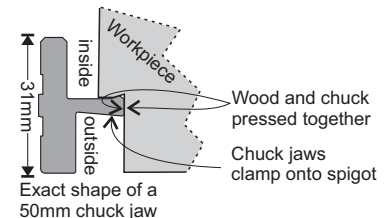
Drill a hole with a Forstner bit (left) and expand a chuck into it.



The traditional recommendation is that the spigot is cut at a slight angle. This angle must be very slight (for Nova jaws) as the protrusion from the jaw that grips the wood extends just 0.5 mm from the jaw surface.

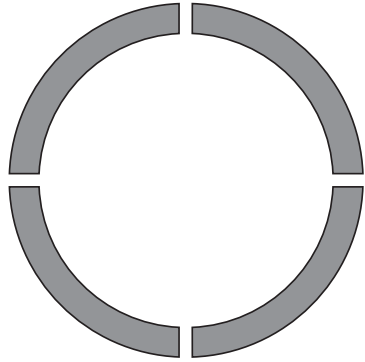


A more accurate cut, particularly for hard woods, is to make a spigot with no angle and then to cut a sharper angle close to the base of the wood. As the chuck is tightened the jaws are drawn firmly to the base of the work.

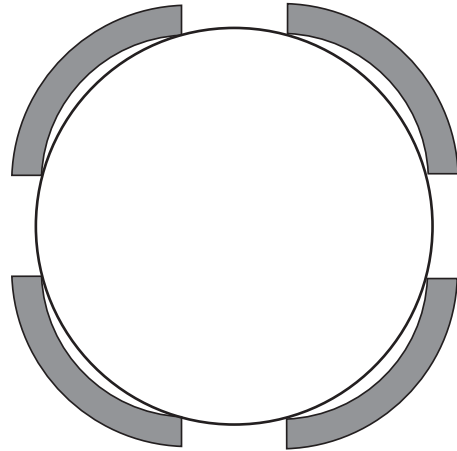




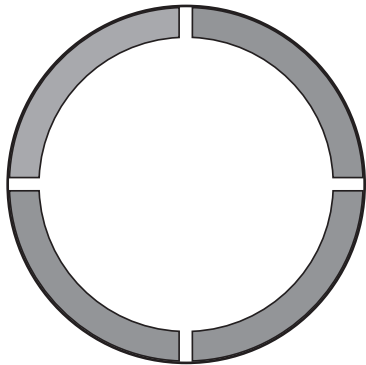
## Diameter of the Spigot or Dovetail



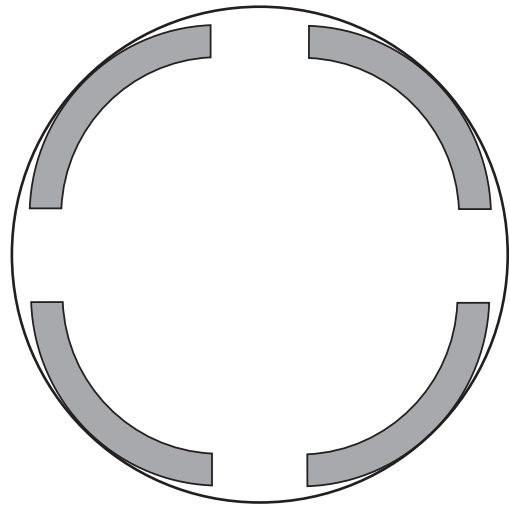
Teknatool 50mm chuck jaws as made. A perfect circle with an inside diameter of 44.5mm and outside diameter of 53.5mm. This will fit nicely onto a spigot/tenon cut to 45mm, allowing for a little compression of the wood fibres.



If the spigot/tenon is cut to 65mm then the chuck jaws will grip the wood at only 8 points.



If the dovetail is cut to 54mm then the jaws will press evenly on the wood all around the dovetail.



If the dovetail is cut to 70mm then the chuck jaws will press on the wood at only four points.

Chuck Sizes	Woodturner Recommendation			
	Round		Square	
	Spigot	Dove	Min	Max
Pin	11 *	26	10	25
50	45	54	35	50
70	59	72	40	60
100	82	100	60	75
130	110	130	80	95

\* no inside grip