## Making Balsa Props using the Laminated Fan method

By Graham Knight with photos of his example by Rolf Christophersen





	Photo 1
	This photo shows the stage shown above in picture 3. Note also the neat implementation of the jig.
	Photo 2 This photo shows one half of the blade carved and snded to shape as shown in pictures 4 & 5 above.
FINISHING TOUCHES: When you are happy with the shape and thickness, try balancing the prop, sand the heavier blade until it balances level. If you intend to use a freewheel clutch it is worth planning it at this stage and adding some thin ply reinforcement if necessary, it will look much neater if it is let in flush rather than stuck on afterwards. If desired the prop can now be given a couple of coats of sanding sealer and, if more strength is required, it can be covered in doped tissue, silk or glasscloth and epoxy, it really depends how strong you want it to be and how much nose weight your model needs.	MORE TIPS: When making larger diameter props it is worth checking each lamination before glueing up to see if it has a heavy end, if it does, mark the heavy ends and laminate them alternating heavy-light-heavy, this will make balancing much easier later on. Reverse the jig templates to make a clockwise prop, this is the easiest way

After covering it should be balanced again, final balancing being achieved with additional coats of dope or paint to the lighter blade. When finished add a brass tube bush and a freewheel if you are using one.	I know to make identical opposite rotation props for twin pushers. As you make more props, make a note of the number and size of blank strips you use for each one, it will be much easier when you need to make another one the same size.
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