

Boat 035 – Timber Cutting List

Plywood

Hull skin	2 sheets 6mm plywood 2240 x 1220.
Transoms	0.5 sheet 6mm plywood.
Rudder & centrecase	0.5 sheet 10mm plywood 2240 x 1220.
Centreboard	Can be made from 2 x 6mm glued together - remainder of transoms' sheet (so order 1 sheet 6mm for transoms and centreboard). If not you will need 800 x 300 x 12mm plywood.

Solid timber

Mahogany (or similar timber) unless otherwise stated - all finished sizes after planing.

Boom	1 off 2500 x 50 x 50 Douglas fir or North American silver spruce as for mast - but spar is made in one piece.
Centrecase posts & stiffeners	4 off 500 x 16 x 20
Chines	2 off 2500 x 20 x 50
Fashion pieces	6 off 300 x 70 x 16; 2 off 450 x 70 x 16
Floorboards	6 off 1600 x 100 x 10; 1 off 1600 x 150 x 10.
Frames & floors	8 off 400 x 60 x 16; 12 off 600 x 60 x 16.
Gunwhale	2 off 2500 x 16 x 20 (or 8 off 625 x 20 x 16); 2 off 2500 x 40 x 10.
Hog	2300 x 75 x 16
Keel	1 off 2300 x 36 x 20; 1 off 1100 x 36 x 20; 1 off 650 x 36 x 20; 1 off 400 x 36 x 20; 1 off 200 x 36 x 20.
Mast	2 off 3000 x 40 x 80 or 1 off 3000 x 80 x 85 to cut to 2 off 40 x 80. Douglas fir or North American silver spruce (English spruce is not any use for this pupose). Must be clean and straight grained. Finished spar diameter is 70mm so any size that will economically yield this dimension

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after straightening is OK. Spar is made in two halves longitudinally.

Mast step	200 x 30 x 50
Rowlock chocks	2 off 300 x 30 x 20 (to make four upper chocks) 2 off 300 x 70 x 16 (to make four lower chocks)
Rubbing strakes	2 off 2500 x 25 x 20 - can be replaced by D-rubber fendoff. If timber is used it is usually a contrasting colour - say ash or oak.
Shelves	2 off 2500 x 16 x 40
Sternpost & Stempost	2 off 350 x 75 x 16
Sundry items	These should be able to be got out of spare timber from other items. Some other scrap timber (any type) is useful for wedges, blocks, shores etc. during building.
Thwarts	1 off 1200 x 200 x 20; 1 off 1300 x 180 x 20; 1 off 1100 x 180 x 20. 1 off 1200 x 45 x 16; 1 off 1300 x 45 x 16; 2 off 1100 x 45 x 16.
Thwart & quarter knees	5 off 300 x 100 x 20
Thwart risers	2 off 2400 x 16 x 30
Tiller	1 off 1000 x 40 x 45 oak
Tiller extension	1 off 800 x 15 x 25 oak
Transom beams	1 off 700 x 100 x 16; 1 off 1100 x 100 x 16
Transom knees	650 x 100 x 25.
Yard	1 off 2500 x 50 x 50 Douglas fir or North American silver spruce as for mast - but spar is made in one piece.