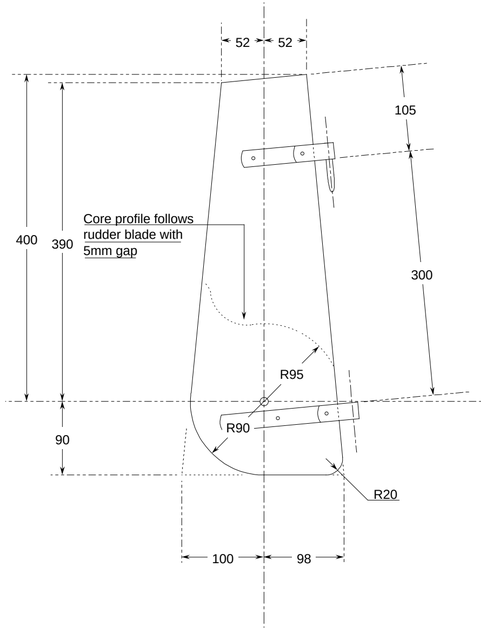
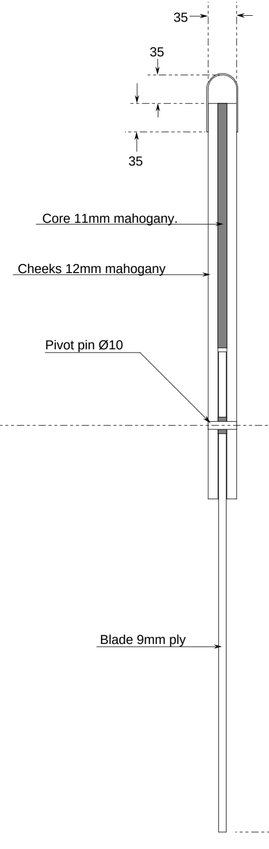
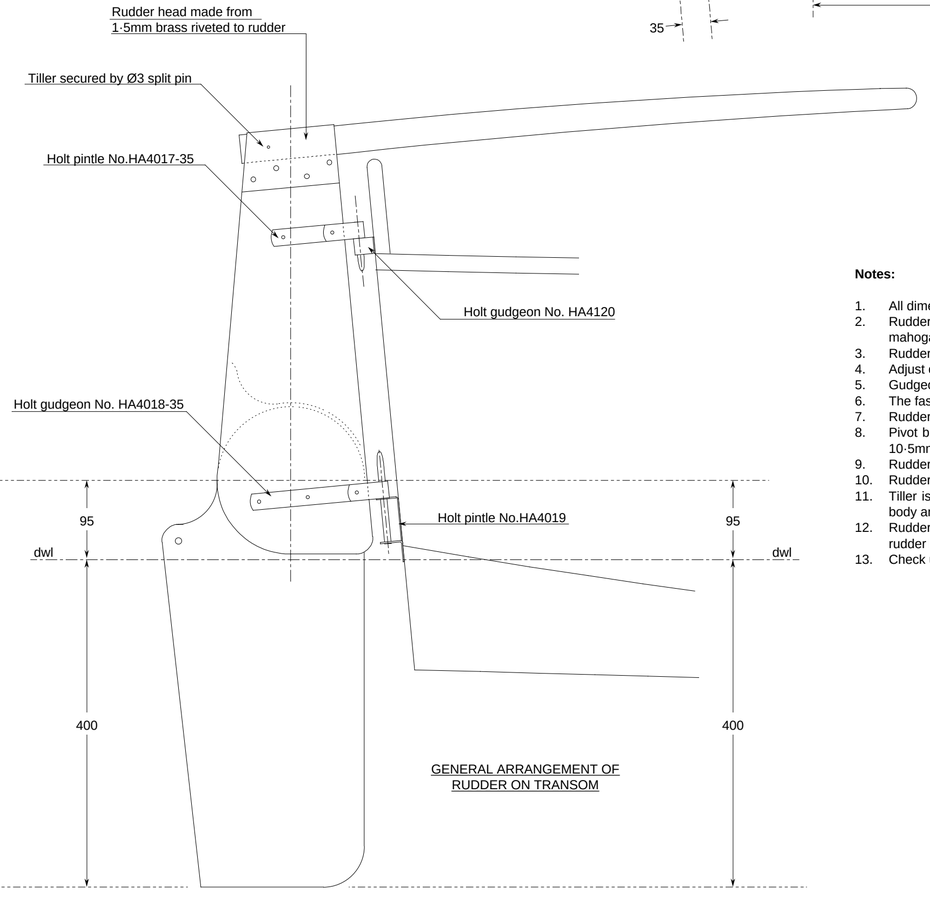
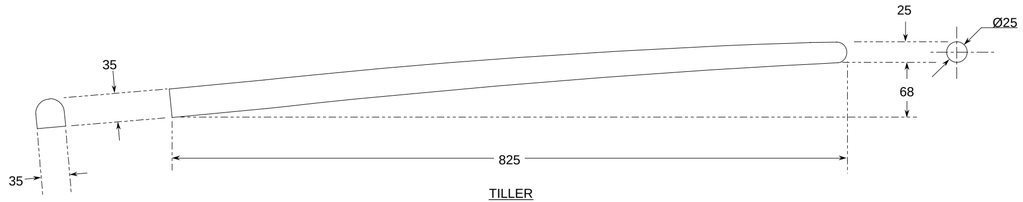


RUDDER HEAD





GENERAL ARRANGEMENT OF
RUDDER ON TRANSOM



TILLER

Notes:

1. All dimensions in millimetres unless otherwise noted.
2. Rudder body is made with 11mm mahogany core (profiled to match top of rudder blade, but with a 5mm gap) and 12mm mahogany cheeks.
3. Rudder blade is 9mm - 10mm plywood with about 0·6kg lead shot in resin to give negative buoyancy.
4. Adjust core thickness to suit actual blade thickness, making allowance for coatings.
5. Gudgeons and pintles are Jack Holt manufacture for 35mm thick rudder.
6. The fastenings of the lower rudder pintle are 0·5" x 8g c/sunk screws into the rudder cheeks only (insert with WEST).
7. Rudder pivot pin is 10mm Ø (brass or stainless). Pin is static.
8. Pivot bush in blade is cast from WEST/#423 graphite powder. Alternatively a brass or "Tufnol" bush can be machined. Bush is 10·5mm long to fit freely between cheeks.
9. Rudder is WEST bonded together and rudder and blade WEST coated 3 coats.
10. Rudder head fitting is 1·5mm brass sheet riveted to rudder.
11. Tiller is oak or similar, shaped to be a close fit into rudder head fitting. It is best to glue a very shallow wedge on top of rudder body and taper heel of tiller so that tiller can be withdrawn from fitting easily. Tiller is secured in position by 3mm split pin.
12. Rudder blade is lifted by Ø5mm rope (from hole in top of blade) through Holt tubular jam cleat No. HA4146 screwed to side of rudder body, near top.
13. Check upper gudgeon on transom with regard to outboard bracket.

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Boat 055

Rudder & Tiller 1

Scale	1/5
Date	20/05/2000
Plan No.	055/008/01
Issue No.	01 web

All dimensions in millimetres unless noted otherwise