

SLINGSBY SAILPLANES, KIRKBYMOORSIDE, YORK.TECHNICAL INSTRUCTION No. 41Pre-rigging Inspection of the Root End of the Main Spar
of the Slingsby T.59C. GliderGeneral

The main wing spar of the T.59C. is manufactured from unidirectional carbon fibre and an epoxy resin matrix. Little is known about the behaviour of this material in service, and the Air Registration Board have, therefore, asked for a pre-rigging inspection of the root end of the spar.

Inspection

Three items are to be checked:-

1. The spar inboard of the root rib is to be inspected for signs of cracking of the white gel coat.
2. The attachment of the root end metal fitting to the spar boom is to be checked for signs of movement.
3. The central weld on the end face of the root fitting is to be visually inspected for cracking.

In the event of damage being detected the Chief Engineer or Chief Inspector of Slingsby Sailplanes is to be notified immediately.

No further flights are to be made until authorised.

A copy of this Technical Instruction is to be incorporated in the aircraft log book.