



# Cranked 1" Diameter Control Column

<b>Classification:</b>	Optional
<b>Applicability:</b>	All Europa aircraft
<b>Compliance:</b>	N/A

## Introduction

Several types of hand grip are available for aircraft control columns and the most common diameter of column they are made to fit is 1".

The reduction in diameter from 1¼" to 1" demanded that the control column be made from steel rather than the existing aluminium alloy to cater for the maximum load that may be applied.

In addition to reducing the diameter, it has been found more comfortable for the control column to be cranked aft and slightly inboard.

## Action

Firstly remove the existing 1¼" diameter control column from the CSOI socket.

To enable the 1" diameter control column to fit into the existing 1¼" diameter CSOI socket a spacer is to be used. This spacer, made from non metallic material, acts also as an isolator to prevent electrolytic corrosion from taking place.

Sanding the spacer, both internally and externally, may be required on fitting. Sand only the minimum away as a loose fit is not desirable.

Push the spacer down in CSOI until it bottoms, then drill through the existing bolt holes using a 4.8 mm drill.

Next install the control column, with the shorter straight end in the socket. Twist the column until it is cranked aft and slightly inboard. To optimise the position, sit in the rigged aircraft and push the column side to side to each extreme of aileron travel and arrange it such that there is equal clearance from your legs.

Without disturbing the position, drill through the column, through the bolt holes in CSOI with a 4.8 mm drill. Take care not to enlarge the holes in CSOI whilst you do this operation.