

Converting Lancia Aprilia to thin-wall bearings

By Norman Wilson , Sheringham

Use 2nd Series crankshaft with 1st series conrods

Use Alfa Romeo Giulietta thin wall bearings, which as standard size will fit the Aprilia crank ground to 45 mm.

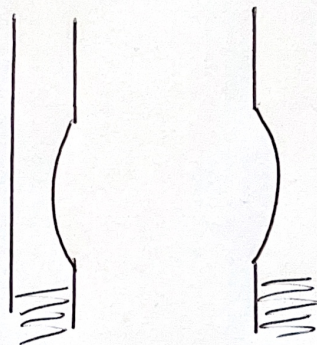
I know it is possible to obtain undersizes of 10 & 20 thou., but it may be possible to obtain them up to 60 thou. undersize

NB if crank is undersize it is possible to have it metal sprayed to 45 mm

Also: 1st series crank standard size for big ends is 43.5mm ----- 2nd series 45.5mm D

1st series rods must be bored to accept the thin wall bearings to 1.9152 – 1.9157"

Before boring these rods, bolt on the big end caps without shells, as if assembling, then file the 2 bolts as in the drawing, in order that in machining the tool does not foul the bolts.
(use these 2 bolts for each rod and retain for further use)



The rods with end caps, but without shells should be torqued up to 25/30 lb/ft before machining.

NB Ensure that the operator line bores these big ends parallel to the little ends

Vanderwall big ends are A/R VP 203

When fitting shells you will find that you have to nick the rods to accept the tiny protrusion of the edge of the bearing cap

Copied from original notes made by Norman in mid/late 1970's by Simon INGMAN