

From Norman Wilson, Sheringham

Converting Lancia Aprilia to thin-wall bearings:

Use 2nd Series crankshaft with 1st Series rods.

Use Alfa-Romeo Julietta 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 thous., but it may be possible to obtain them up to 60 thou. undersize.

N.B. If crank is undersize, it is possible to have it metal sprayed to 45 mm.

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

1st Series rods must be bored to accept the thin-wall bearings to 1.9152 - 1.9157"

Before boring these rods, bolt on big-end caps, without shells, as if assembling, then file the two bolts as in drawing, in order that in machining the tool does not foul the bolts. (Use these two 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.

N.B. Ensure that operator line bores these big-ends parallel with the little ends.

Vanderwall big-ends are
A/R V.P. 203

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

I trust that this is the information you require.

