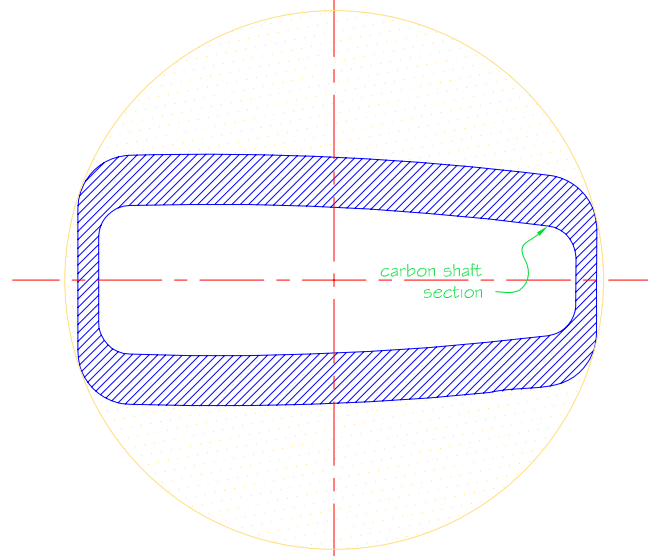
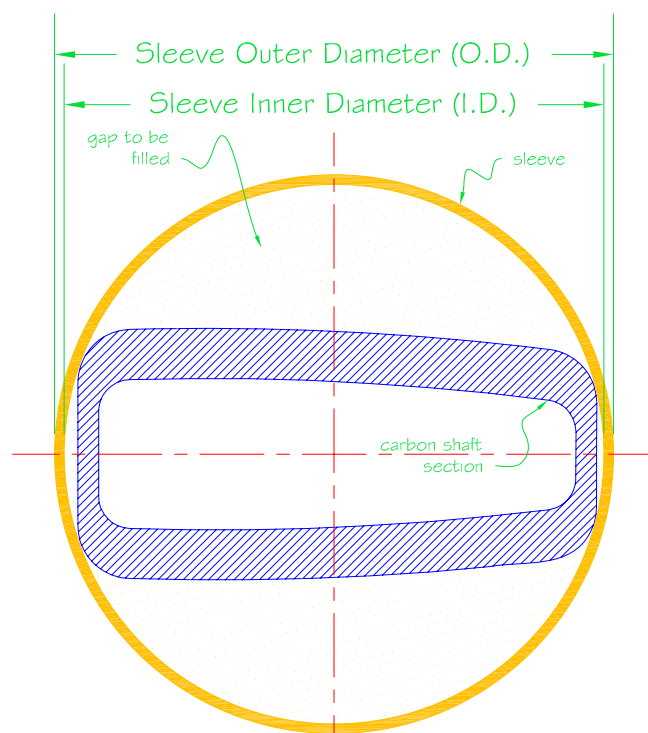


The composite surface of the shaft is unusable as running surface for the bearings, so a new running surface has to be created with the help of sleeves. The sleeve dimensions depend on the outer fibre diameter. Normally the sleeve inner diameter is the outer fibre diameter + 2 mm.



Before the sleeve can be fitted, the shaft has to be made round in the bearing area. This composite has to be build up until the outer fibre diameter is reached. One should not fit the sleeve to the shaft and cast the area full as the resin will shrink the sleeve into an oval shape thus being unusable for running surface of the bearing.



The sleeve can be glued to the shaft achieving a strong and accurate running surface. The outer tolerance of the sleeve should be +0.00 mm and -0.08 mm. The minimal wall thickness is 3 mm. It's wise to order the sleeves with the bearings so they can be checked to be a perfect match.