

PEDESTAL OR PILLOW BLOCK Scale—Half size

Draw to scale two assembled views (plan and front elevation) of a pillow block for a 3-inch shaft, showing half of each view in section. Draw also an end elevation in full.

This assembly drawing should not be dimensioned, but the next one (pages 74 and 75), a detail drawing of the same pillow block, should be dimensioned. The dimensions are obtained from the diameter of the shaft by using the diameter plus $\frac{1}{2}$ inch ($D + \frac{1}{2}"$) as the unit and multiplying by the factors given, except where they are specified in terms of D only.

Assembly and detail drawings

A number of assembly drawings (or assembled views) have been drawn (flange and bushing, foot-step bearing, etc.), but in none of these cases have detail drawings been made by the students. In a case like this, where an assembly drawing and also a detail drawing (see also pages 76 and 77) are to be made, the assembly drawing is not to be dimensioned as the preceding ones were. Assembly drawings are intended to show merely the positions of the different parts and how they are to be put together. Detail drawings show how each part is to be made and are the *working drawings* from which the mechanics make the parts. They must be carefully dimensioned.