

Friday, September 5, 2016

The image displays two orthographic views of a mechanical component. The left view is a sectional front view, and the right view is a right side view.

Sectional front view (Left): This view shows the internal features of the part. The total width is 100. A horizontal section line is located 36 units from the top. A hole with a diameter of $\phi 30$ is positioned 18 units from the left edge. A vertical section line is located 150 units from the left edge. A hole with a diameter of $\phi 18$ is located 18 units from the bottom edge. A vertical section line is located 18 units from the right edge. A hole with a diameter of $\phi 15$ is located 18 units from the right edge. A curved surface with a radius of $R125$ is shown on the right side.

Right side view (Right): This view shows the profile of the part. The total height is 125. The top surface is curved with a radius of $R30$. A hole with a diameter of $\phi 12$ is located 35 units from the top edge. A hole with a diameter of $\phi 15$ is located 18 units from the right edge. A hole with a diameter of $\phi 40$ is located 30 units from the bottom edge. The base of the part is 150 units wide. The bottom surface is 10 units thick. The right side of the part is 6 units thick.

Fig. 1



ME251 Engineering Design and Graphics - Laboratory Exercise 6
Friday, September 5, 2016

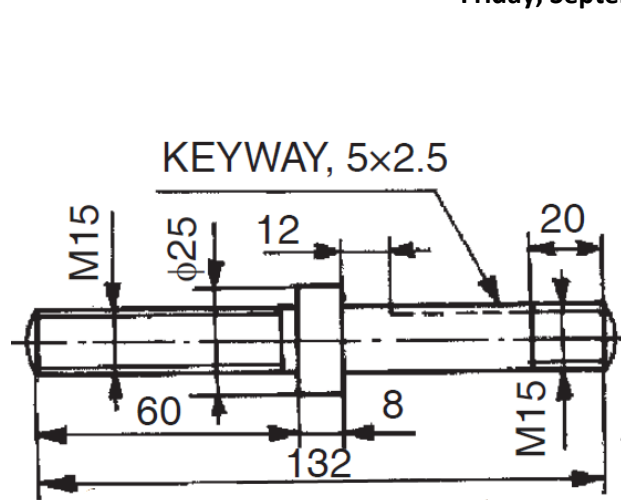


Fig. 3

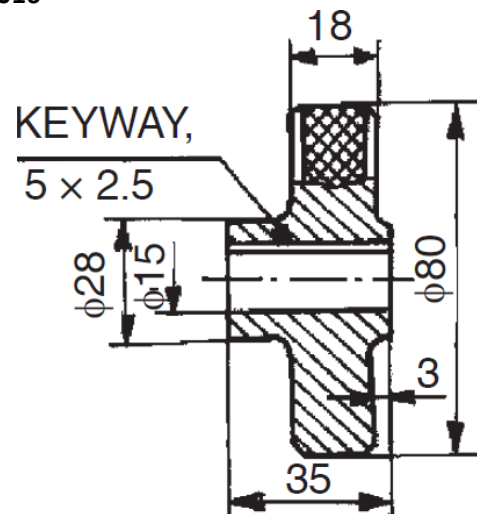


Fig. 4

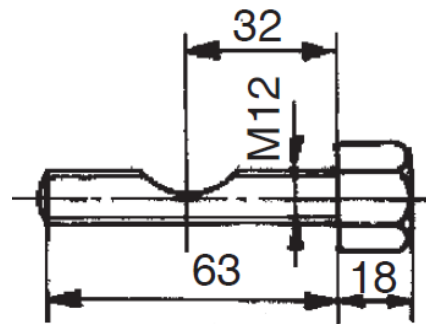


Fig. 5

