5–82. The sign has a mass of 100 kg with center of mass at G. Determine the x, y, z components of reaction at the ball-and-socket joint A and the tension in wires BC and BD.
5-75. Member $AB$ is supported by a cable $BC$ and at $A$ by a square rod which fits loosely through the square hole in the collar fixed to the member as shown. Determine the components of reaction at $A$ and the tension in the cable needed to hold the rod in equilibrium.