



Technical drawing of a square plate with a central hole. The top view shows a square plate with a side length of 300 mm and a central square hole with a side length of 100 mm. The distance from the center of the hole to the nearest edge is 100 mm. The plate has a thickness of 10 mm. The cross-section view shows the plate is made of a material with a yield strength $R_{p0.2} = 405 \text{ N/mm}^2$ and a tensile strength $R_m = 515 \text{ N/mm}^2$. The plate is supported by a base.