

Group of inventions relates to processing metals, specifically the deep-drawing of hollow products from sheet metal. The essence of this group of inventions lies in the fact that, in the deep-drawing process, the blank is placed in a die with a profiled working surface featuring torus-shaped protrusions and recesses between them, clamped by a clamp, and shaped by a punch. The working surface of the die has a horizontal and radial sections; the punch's side surface and the clamp's working surface are also profiled. The stamping set includes a die, a punch and a clamp, working surfaces of which feature torus-shaped protrusions and recesses between them; the die's working surface has a horizontal and radial sections that transition into smooth vertical walls. The technical result consists of reducing tangential stresses in the blank, improving the uniformity of deformation, creating additional tensile force along the wall of the product, reducing the load on the bottom, and improving product quality.