

Invention relates to the field of metal forming and can be used in the forging of ingots and billets on forging presses. Quick-release device for attaching upper forging tool to hydraulic forging press comprises a hydraulic cylinder with a piston rod mounted on the press upper plate. A gear rack is attached to the shaft that meshes with a gear wheel mounted on a rod with a T-shaped end. The other end of the shaft is mounted in a flanged housing, with a disc spring installed between the gear wheel and the flange around the shaft. A cup is mounted on the housing with a gap, and a rod presses against it through a hole in the housing due to the pressure of the spring. Inside the cup is a sleeve that also has a gap designed to allow the working fluid to flow into it, thereby creating pressure from the cup against the rod as it rotates. The housing and the cup are mounted in a recess in the upper plate of the press; the gear rack is designed to slide in grooves made in the upper plate of the press and the housing, and when the rod is rotated, its T-shaped end is designed to rotate within a similarly shaped opening in the upper forging tool to abut against the upper side surfaces of the opening or to align along the aforementioned opening. This results in improved reliability and durability of the device, as well as expanded functionality.