

The invention concerns rolling engineering and can be used as a safety device for protection against manufacturing overloads of the main lines of the drives of rolling stands, mainly flywheel mills. A protective spindle of a drive of rolling stand contains two wobbler heads, one of which is made with a conical shaft installed in a conical bore of bushing of the second wobbler head. In accordance with the invention, the ends of conical shaft and bushing with conical bore are equipped with cams with possibility of interaction at the shaft turning relative to the bushing. The shaft and bushing are installed with interference relative to each other. In the case the conicity of the combined surfaces of shaft and opening makes $2-6^\circ$. Moreover the conical combined surfaces of spindle are equipped with electrolytic plating from nonferrous metals or thin film from solid lubricant. Furthermore, cams at the ends of shaft and bushing are installed with axial clearance. Furthermore, at the end of conical shaft in its annular groove a retaining ring is installed. The cams have trapezoidal or undulating form, symmetrical relative to the axis of spindle. The invention provides for increase of the limit moment with retention of overall sizes, adjustment of limit moment during assembling the spindle by changing the interference, increase of the hardness due to presence of the interference, which excludes influence on the operation accuracy of vibration, impact and thermal loads. The invention also ensures increase of the spindle operation accuracy and simplification of the technology of its restoration after operation.