

Hydraulic device for reducing dynamic loads in a lifting mechanism comprises a housing filled with working fluid, a piston with a rod that divides the housing into two chambers, and a spring installed in one of the chambers. On the inner surface of the housing, parallel to the axis of the piston's motion, there are longitudinal throttle grooves for the flow of the working fluid between the chambers. The cross-sectional area of these grooves varies along their length.