

Device for simulating contact load in rehabilitation exercise machines comprises base in the form of frame and uprights attached to frame, one of which supports seat, and load node attached to frame, wherein load node includes pulley group axle, which is secured to the other two uprights, with pulley group mounted on axle and positioned with possibility of rotation about said axle and having grooved side surface for placement of rope. One end of each rope is attached to a corresponding weight with adjustable mass, wherein the other end of each rope is connected via rope movement limiter body to U-shaped handle attached to that end of each rope. Two footrests are also attached to frame body.