

Vehicle disc brake mechanism comprises a brake disc mounted rotatably relative to the vehicle suspension, outer and inner brake pads mounted on both sides thereof, capable of moving along the axis of the brake disc and interacting with its working side surfaces with its ends. It comprises a brake caliper housing fixedly mounted relative to the vehicle suspension, into the grooves of which are inserted the guide spikes of the brake pads, a U-shaped bracket is mounted on the guides of the housing with the possibility of axial movement, which from the outer side of the brake disc has the possibility of interacting with the non-working side surface of the outer brake pad, and from the inner side of the brake disc, a brake piston is mounted in the axial hole of the caliper with the possibility of axial movement, which has the possibility of interacting with its end with the non-working side surface of the inner brake pad. Wherein the brake pad spikes have a cylindrical shape, and the support of the caliper bracket on the non-working side surface of the outer brake pad and the piston on the non-working side surface of the inner brake pad is made through spherical supports.