

Combined-type drilling bit consists of body with washing channels oriented relative to drill hole bottomhole plane and rock-breaking blades with cutters. It comprises rock-breaking assembly and bit body rigidly connected to each other, with the upper part of body finished with connecting nipple. Inside the body itself is hydraulic pulse-washing mechanism consisting of discs with nozzle-shaped holes and turbine drive. Rock-breaking assembly consists of an even number of blades, oriented in a vertical plane along a spatial helical line and reinforced on side and end faces with polycrystalline carbide cutters arranged in a fractal pattern from cutting edge to connecting flange and from periphery to the axis of bit rotation.