

DRILL DRIVE DEVICE FOR AN EARTH DRILLING APPARATUS

ABSTRACT

The invention relates to a drill drive device (10) for an earth drilling apparatus with a spindle arrangement which has an inner spindle unit (20) and an outer spindle unit (40) that is supported in an axially displaceable manner on the inner spindle unit (20) and floating between two spring means (50, 60). According to the invention provision is made in that a first front spring means (50) which is arranged on a drilling tool side comprises a combination of at least a compression coil spring and a first disk spring arrangement (54) and in that a second rear spring means (60) which faces away from the drilling tool side has a second disk spring arrangement (64).

[Fig. 1]