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The invention relates to the aircraft industry, namely, to the helicopters engines carrier rotors.

The aim of the invention consists in the structure simplification, mass reducing and reliability increasing as well as functional possibilities increasing.

The device consists of the body 1, gears 2 and 3, engines 4 and 5, cone wheels 6, procession gearing 7, planet pinion unit 8 with the gear rings 9 and 10, fixed central cone wheel 11, driven cone wheel 12, carries rotor shaft 13 of the helicopter, thrust bearing 14, radial bearings 15, balls 16, segments of a sphere 17, seats of a sphere 18 and 19.

The planet pinion gear rings are formed as the cone rollers. The rollers are mounted on the needle bearings axes. Between rollers and rings faces are mounted the thrust bearing. In case of the coaxial carrier rotor the cone wheel 12 is made in the form of two coaxial located cone wheels with teeth numbers which is greater by one and less by one of the gear rings 10 engaging to it. The cone wheels are bonded to the coaxial carrier rotors shafts.