The invention relates to the pump engineering, in particular to rotors of the centrifugal pumps.

The rotor, according to the invention, consists of two disks: drive and driven, coupled between them by blades. The number of blades is determined from the relation:

$$Z = 0.5 \frac{D_1}{\delta} \sin \beta_1,$$

where Z is the number of the rotor blades; D_1 – diameter of the blade inlet edge in the middle part of the rotor meridian section, d – the blade thickness onto the inlet diameter D_1 ; b_1 – the blade fixation angle onto the inlet diameter D_1 into the rotor meridian section.

The result of the invention consists in decreasing the mass and the dimensions and in increasing the efficiency of the centrifugal pump.

Claims: 3 Fig.: 4