

This invention deals with wind-energy equipment, in particular, with windmills, in which velocity of the wind-wheel rotation changes due to change of its position with respect to the wind direction (wind-wheel deflection). Windmill has rotary part, with wing wheel, this is hinged to the basement, and hydraulic cylinders, fixed to the basement and cinematically connected with movable rods with rotary part, at that the hydraulic cylinders are installed vertically, with the coupling rods upwards. To increase reliability of the windmill work, due to increase of reliability of hydraulic cylinders work, and to provide constant force of deceleration of the rotary part, windmill is equipped with two toothed wheels and toothed wheel, this is installed on the basement and cinematically connected to the rotary part. At that, between the pistons and the bodies of hydraulic cylinders circular gaps are provided, in the pistons there are apertures, on which valves are installed, and toothed bars are fixed on coupling rods of hydraulic cylinders, and those interact with the toothed wheel. Besides that, to provide reliable coupling of toothed rods with the toothed wheel, windmill is additionally equipped with rollers, installed on the basement and resting on the toothed bars from the opposite with respect to the toothed wheel side.