

Regulated radial hydrostaticaldinamic bearing

New construction of spindle regulated radial hydrostaticaldinamic bearing provides the reducing of the loss of capacity (no more than 10% from the capacity of cutting) under the high speeded machining.

THE FIELDS OF USAGE:

- Instrument Construction;
- Machine Construction.

THE MAIN PECULIARITIES AND ADVANTAGES:

- provides the rise of specific speed of rolling connections of the technological equipment by the means of reducing the loss of capacity for viscous friction and flushing of power fluid;
- provides the losses within 30% from the capacity of the bringing of machine`s main moving on frequencies of plug`s rolling more than 200000min⁻¹
- the decline in the prime cost of the producing by the means of high speeded machining of fabricated part in the wide variation range of technological capacity;
- the raise of the energy efficiency by means of reducing of the relative specific energy consumption for viscous friction under the exploitation on the high speeds rate of turn on 30%.

THE REGULATED RESILIENT BEARING PLUG

