

High Speed Motor

Description

A fast-rotating, magnetically mounted motor, which can be used, for example, for friction torque test stands. This friction-free magnetic bearing / motor unit enables, among other things the measurement of friction in fast rotating and low friction applications, e.g. Turbochargers.



Applications

- Measurement of torque directly over a high-speed measuring shaft.
- Efficiency determination through highly precise measurement of the power supplied and real-time measurement of the efficiency.

Technical Data

Motor		Magnetic Bearing	
Maximum Rotational Speed	140.000 U/min	Radial Bearing Force	40 N
Torque	0,15 Nm	Axial Bearing Force	200 N
Power at Maximum Speed	2,35 kW	Balancing Quality	< G 2,5