

SENSOR MAGNET RING WITHOUT ADDITIONAL BUSHINGS

SUITABLE FOR PRESS FITTING

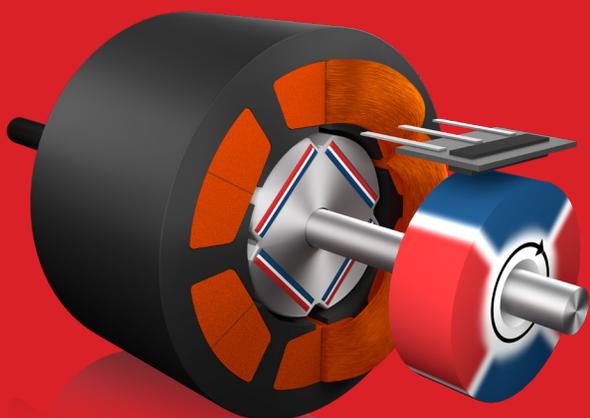
Due to their high brittleness, sensor magnets used to be injected onto carrier bushings made of metal or plastic. This assembly was then press-fitted to the motor shaft at the customer's. A new more flexible magnetic compound having better properties in terms of elongation and tensile strength has now made it possible to omit the carrier bushings. Direct press-fitting of the magnet to the motor shaft is even possible when subjected to temperatures of between -40 and 140 °C.

Advantages/Benefits

- Magnetic compounds having better elongation properties allow direct-press fitting onto shafts, thus simplifying mounting
- This saves parts costs by reducing the number of required components (no bushings)
- Larger shaft tolerances are possible

Applications

- Sensor ring for speed measurement
- Sensor ring for commutation
- Sensor ring for measuring angle of rotation



Technical data

- Plastic-bound hard ferrite magnet HF 11/19 p based on PA 6
- Remanence Br min: 235 mT / Remanence Br typ. 245 mT
- Different magnetization types possible: multipole on circumference, multipole on front face

BECAUSE OUR AREAS OF EXPERTISE ARE INTERLINKED

IDEAS TRANSFORM INTO A SUCCESS STORY FOR YOU

The requirements expected of permanent magnets and magnet assemblies are becoming ever more individual and, at the same time, ever more complex. We therefore take pleasure in casting light on the entire value-added chain: We are there beside you as a dependable partner, all the way from shared product development to on-schedule delivery. Thanks to our expertise from design to production, which has always distinguished us, we provide top-quality processes from a single source – either as a specialist or an all-rounder. Together, we can transform a good idea into a genuine competitive advantage. After all, for you, the perfect amalgam of experience, expertise and technical implementation means, above all, one thing – efficiency. This creates results that firmly embed success in your products.

SOLUTION EXPERTISE

PROCESSING COMPETENCE

IMPLEMENTATION EXPERTISE

THE POWER OF THE WHOLE

MS-Schramberg has stood for solution expertise and quality for more than half a century. We are one of Europe's leading manufacturers of permanent magnets and assemblies. With around 550 employees, we develop and produce customer-specific articles in three plants in the Black Forest, which are used successfully by companies from a wide range of industries worldwide.