WHAT DOES ‘JOINT IN BUSHING/POT’ ENTAIL?

• NdFeB pw magnet joined in sleeve (isotropic or anisotropic)
• NdFeB pw magnet joined in metal carrier
• Additional mounting, e.g. of axle, covers and other assembly components is possible
• Additional balancing is possible
• Media seal integrity test is possible
• Sleeve made of stainless steel, titanium, CRP or GRP

VARIETY OF APPLICATIONS:

• Drinking water solutions with an official release (e.g. KTW)
• Encapsulated in stainless steel or overmolded with plastic
• Adhesive-free integration in the motor housing
• Versatile rotor solutions in aggressive media
• High-speed rotors operating at up to >100,000 rpm
• Magnet joined directly to metal carrier (e.g. sensor magnets or drive solutions (rotors))

ADVANTAGES:

• Reduced tolerance chain, often requiring no balancing
• Also suitable for very high rotational speeds
• Cost-optimised by:
  • Material saving because thin-walled magnet geometries are possible
  • Short cycle times
  • Elimination of gluing

• Resistance to medium, and a drinking water test certificate
• Sleeve wall thickness of just 0.2 mm approx.
• Isotropic and anisotropic NdFeB pw
• Can operate at temperatures of up to 150 °C
• Metallic or ceramic axis variants
• Reduced eddy current losses through use of CRP or GRP
We commit our expertise and our experience to your development process.

With our name, we guarantee you a bespoke, innovative result – turning a product into a competitive advantage. Based on ultra-modern standards, we combine knowledge, technology and craftsmanship to create an efficient process and ultimate quality.

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. With our unique linked chain of areas of expertise, we can act as a specialist and as an all-rounder, depending on what is required, as a one-stop shop for high-quality processes. 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.

As a medium-sized company, MS-Schramberg has been synonymous with problem-solving expertise and quality for 50 years. The company is one of Europe’s leading manufacturers of permanent magnets and assemblies. On an area of approx. 33,000 square meters in three plants in Schramberg, Germany, more than 550 employees are developing and producing more than 5,000 customer-specific articles, used successfully worldwide by companies from a wide range of sectors.

MS-Schramberg – the power of the whole