

Wave Washers



Quiet running – this is one of the most important requirements for electric motors. However totally noise-free operation can only be achieved under ideal installation conditions, which are not economically viable in series production, despite the high quality of the ball bearings.

Our development department has addressed to this problem and has designed a product which has already proven itself a million times over: the **"original LANG+MENKE ball bearing shim"**.

Compared with conventional wave washers, this shim easily compensates for axial tolerances by virtue of the advantages inherent in its design. The technical maturity of the product can be seen, above all, by the fact that the shim developed by LANG+MENKE has shaped the specification profile of the DIN standard 42013, thereby ensuring that the "original LANG+MENKE ball bearing shim" has become a ground-breaking innovation in the design of small electric motors.

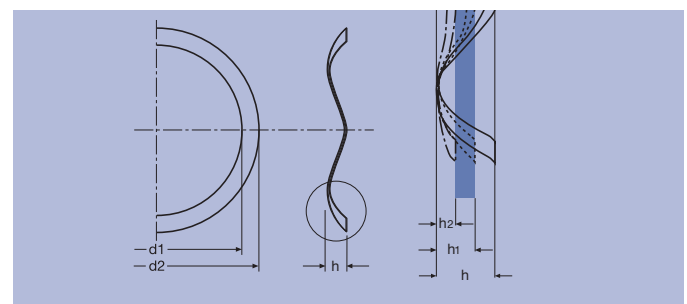
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Materials used

Careful selection of raw materials and precision manufacturing guarantee a long service life and proven functional reliability for our ball bearing shims.

Product ranges

LANG+MENKE manufacture shims in a great variety of sizes and designs in order to meet every possible design requirement.



L+M Standard 1100