

EASY HANDLING OF MAXIMUM SHAFT MISALIGNMENT

New cardan couplings by KBK

Unlike the regular couplings with metal bellows or servo-insert couplings, the new cardan couplings are based on the principle of the cardan joint. They are of fatigue strength and almost backlash-free due to especially designed bushings and guides. Due to that fact, cardan couplings are able to compensate even unusually high misalignments. A radial misalignment of one to two millimeters can be easily compensated even in small installation spaces.

Advantages of the cardan couplings by KBK:

- very low restore forces
- high torsional stiffness
- variable thread diameter
- high permissible angular misalignment
- high permissible radial misalignment
- high torques at small installation space
- high precision and minimum wear

Two different series are available

KBK Antriebstechnik produces the cardan couplings in two similar series, which are available in six different sizes.

The KBGK-series has a thread hole on the one side and a threaded pin on the other side. For that reason, it is particularly suitable for linear motors with misaligned mounting interface.

The KBGK-T-series has clamp hubs on both sides, which are used for installation. They are the preferred solution for

- transmission couplings between two shafts
- installation of servo drives
- installation of stepping motors.



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