

Backlash-free Metal Bellow Couplings Series

Applications: Backlash-free metal bellow couplings are used in the area of the machine tool industry, where a torque or a rotary motion has to be transmitted from shaft to shaft in highest accuracy of angle:

- Pumps with axial and vertical drives
- High dynamic portal drives
- Spindle lifting units
- Linear units
- Packaging machines
- Machine tools
- Special machines



EKN
Metal bellow coupling with radial set screws; 0,4-10 Nm
Technical data page 4



DKN
Metal bellow coupling with clamping hubs; 0,4-10 Nm
Technical data page 5



AKN
Metal bellow coupling with clamping hubs and shorter length; 18-500 Nm
Technical data page 6



AKD
Metal bellow coupling with clamping hubs; 18-500 Nm
Technical data page 7



AK
Metal bellow coupling with inner conical hub; 30-5000 Nm
Technical data page 8



AK/SB
Metal bellow coupling with outer conical hub; 18-5000 Nm
Technical data page 9



S-Line
Metal bellow coupling w. pluggable clamping hub; 2-150 Nm
Technical data page 10



CK
Metal bellow Coupling with flange; 18-5000 Nm
Technical data page 11

Characteristics of the metal bellow couplings

- Backlash-free transmission of torque
- High torsional stiffness, precision of transmission of rotational angle
- Different torsional stiffness
- Backlash-free shaft connection
- Small dimensions, low moment of inertia
- Metal bellow made of stainless steel
- Simple and operationally safe assembly
- Compensation for radial, axial and angular misalignment
- Free of wear, maintenance-free, no standstill period
- Not sensitive to temperatures between -30°C and +100°C, higher temperature ranges available on request
- Economical and friendly due to modular system
- Nominal moments between 0,1 – 5000 Nm

The details in this catalogue describe the products and do not represent guaranteed qualities. The user is responsible for checking and

defining the technical characteristics of his particular application. We reserve the right to make changes at any time without notice. We

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