



Design for Advantage

Loewe® GK: The axially fixed Loewe® GK is designed to offer generous angular and radial misalignment compensation together with high axial stiffness. Loewe® GK is designed to resist axial motion and for precise transmission of pure linear motion for use in cylinder systems.



Francis and Francis Limited

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▶ Loewe® GK

The axially fixed Loewe® GK can be used for applications transmitting torque where the coupling also must resist axial motion. Due to the axial stiffness, Loewe® GK also ensures the precise transmission of push-pull loads. Loewe® GK combines the technical features of a single universal joint (angular misalignment capacity, axially fixed) and a shaft coupling (angular misalignment capacity, radial misalignment capacity). As a result, Loewe® GK builds very short. The crossed pins slide easily in the bearings, which allow a pivotal and radial displacement of the two anodized aluminium hubs with lowest side and bearing loads.



The axial stiffness makes Loewe® GK suitable for axially unrestricted shafts.

The Loewe® GK can be found in a variety of applications such as pick-and-place machines, printed circuit board machines or for valve triggering.

Axially fixed

This design ensures the resistance to axial motion. As a result, the coupling can be used as a solid bearing

High axial stiffness

High strength aluminium ensures precise transmission of pure linear push and pull loads

Compact design

Radial and angular misalignment is compensated without deformation in a very short envelope

High performance bearings

Loewe® GK contains advanced-performance plain bearings which are maintenance free and suitable for use in high temperatures.

Application optimized

Clamp hubs are standard. Threaded hubs for linear systems are optionally available.

Anodized hubs

The aluminium hubs are anodized providing high clamping force and excellent protection against corrosion.



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Torque

The Loewe® GK series for applications that on the one hand, must transmit torque and on the other, must transmit push-pull loads. By design, the Loewe® GK Torque series accommodates generous angular and parallel misalignments, also under axial force.

Torque (T_{KN})
up to 220 Nm

Maximum radial shaft misalignment
Up to 2.5 mm

Clamp hub bore sizes

Linear

The Loewe® GK series for applications purely transmitting axial force. The Loewe® GK Linear series is also available with inner and outer threads.

Axial loads
Up to 13,000 N

Maximum radial shaft misalignment
Up to 2.5 mm

Thread diameter
Up to size M27



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Loewe® GK



SCHMIDT-KUPPLUNG GmbH has always gone that little bit further to meet special customer needs. Customer-specific development still plays a central role for us. Our competent engineers and technicians are specialists in providing application driven advice.

Product overview

Our comprehensive product range includes precision couplings for many different applications. Please contact us if you would like assistance selecting a coupling.



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