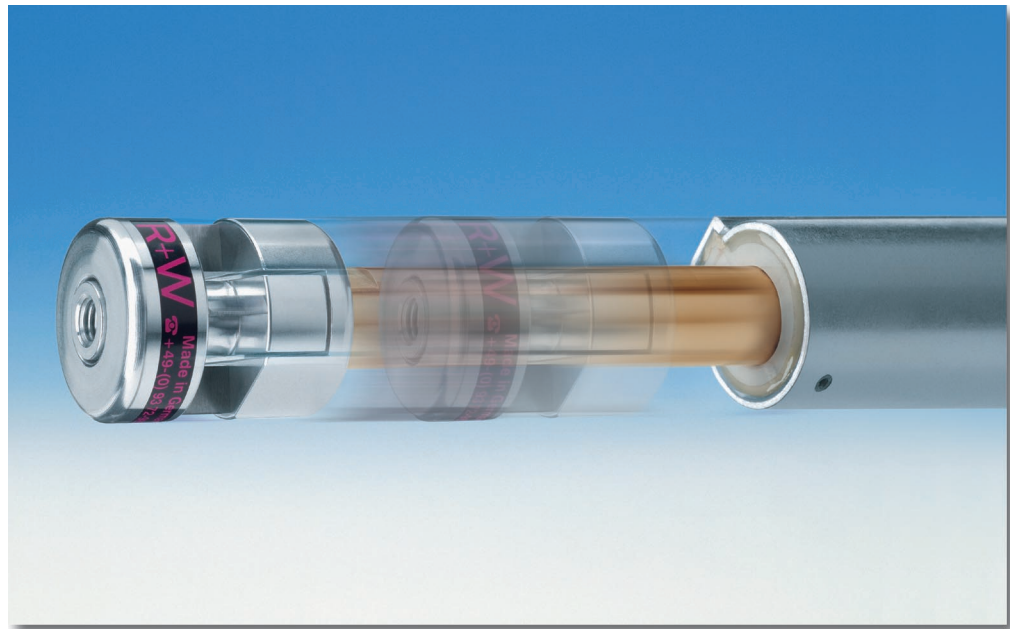


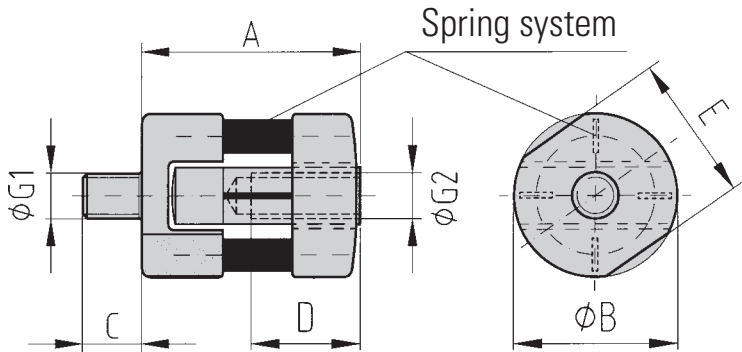
zero axial backlash

LINEAR COUPLINGS

Series LK · 70 – 2,000 N



R+W[®]
COUPLING TECHNOLOGY



- Zero backlash in axial direction
- compensates for angular misalignment up to 1.5° and lateral misalignment up to 0.7 mm (0,028 inch)
- low mass & weight = low inertia
- compact design
- designed for high tensile and compressive forces in highly dynamic applications

Material:

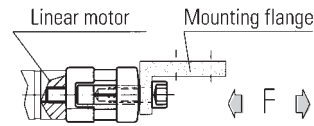
Coupling components are made of high-strength aluminium. Spring elements are made of special spring steel

Structure:

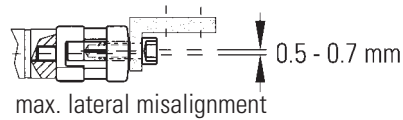
Input side: internal metric thread
Output side: external metric thread

Function:

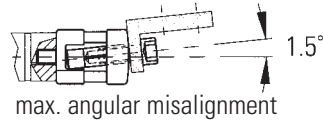
The connection between the input and output side of the coupling is via two sets of backlash free leaf-spring systems.



Zero backlash in axial direction



max. lateral misalignment

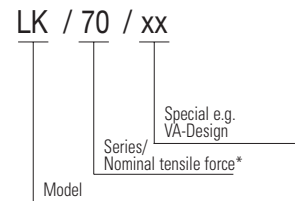


max. angular misalignment

Technical Information

Ordering specifications

Series tensile + pressure force (N)	Overall length (mm)	Outer diameter (mm)	Outer diameter of thread (mm)	Max. tightening torque (Nm)	Thread length (mm)	Thread length (mm)	Key width (mm)	Weight approx. (mm)	Lateral restoring force (kg)	lateral (N)	angular (mm)	(degree)
F	A	B	G1 / G2		C	D	E		max. values			
70	24	18	M 5	4	6.5	10	16	11	10	0.5	1.5	
150	33	22	M 6	7	8	12	20	23	18	0.5	1.5	
300	41.5	30	M 8	18	10	16	27	57	48	0.5	1.5	
500	52	42	M 10	30	13	20	38	135	96	0.7	1.5	
800	62	50	M 12	60	18	24	46	236	122	0.7	1.5	
2000	93	72	M 16	170	24	32	60	580	180	0.7	1.5	



Product description Series LK

Mounting Instructions

Temperature range: -40° to +120° C (-40° to 248° F)

Backlash: absolutely backlash-free

Brief overloads: Acceptable up to 1.5 times the rated value

Service life: These couplings have an infinite life and are maintenance free if operated within performance limits.

Special Design: Custom bores, threads, and material available upon request.

Mounting: "Wrench flats" have been machined into the coupling hubs to aid in the mounting and dismounting of the coupling.

Caution: Do not exceed the tightening torque during mounting (see the table)!

Care must be taken not to damage the leaf-spring system during mounting.

Maximum lateral and angular misalignment value must not be exceeded.

The information mentioned in this document is based on our present knowledge and experiences and does not exclude the manufacturer's own substantial testing of the equipment. So this is no obligatory assurance even with regard to protection rights of Third Parties. The sale of our products is subject to our General Conditions of Sale and Delivery.