

Rodless Band Cylinder DGC-K

FESTO



Compact and lightweight

Highlights

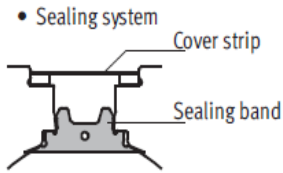
- Low operating cost due to sealing system design
- Fast replacement of actuator possible without removing load
- Fully interchangeable with predecessor DGP

Ideal for simple drive functions when installation space is limited: DGC-K without external guide has a compact design – overall length relative to stroke. The reliable DGC sealing band increases its reliability and significantly reduces leakage. Available in sizes 18 to 80, with stroke lengths up to 8,500mm. And it is fully interchangeable with its predecessor model DGP.

Applications

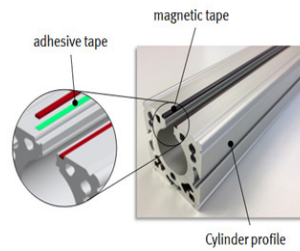
Rodless band cylinder DGC-K is well suited for a wide variety of applications due to its compact installation length compared to usable stroke. It is also ideal for situations where the same force is required in both directions. Potential applications include: opening and closing doors, transporting material such as glass panels, knife-cutting, conveyor sorting, and end of line packaging.

Rodless Band Cylinder DGC-K

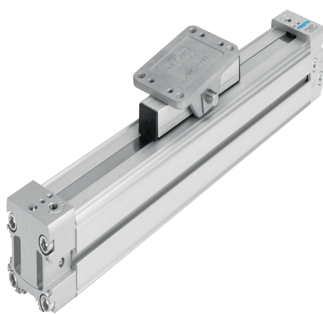


Sealing System

The DGC-K utilizes a polyurethane sealing band which snaps into the profile, resulting in virtually no air leakage. The steel cover strip is magnetically retained to the profile body, which prevents any internal contamination.

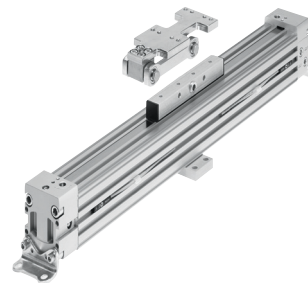


Long stroke lengths up to 8,500mm are also feasible due to the sealing system design which prevents the sealing band and cover strip from sagging.



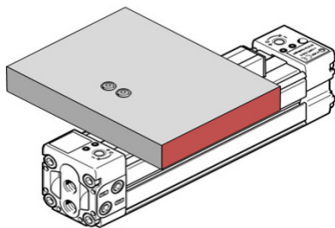
Fast Replacement

Choice of two flange interfaces provide compensation for misalignments between the actuator and the load it is moving or a parallel guide rail. These DARD moment compensators allow for very fast removal and replacement of the actuator without having to disconnect the load.

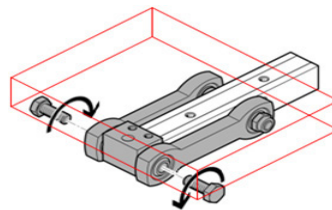


Easy Installation

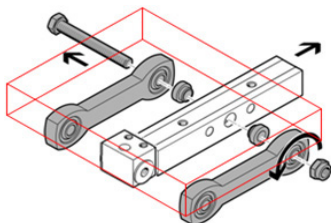
Simple mounting via foot brackets on the end caps or brackets which connect to the profile via threaded slot nuts.



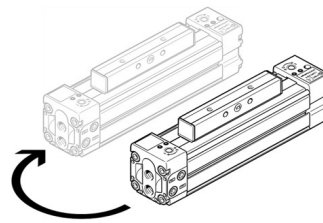
1. To replace the actuator without removing load



2. Remove screws from DARD



3. Remove nut and bolt



4. Replace the actuator

General Technical Data							
Piston Ø	18	25	32	40	50	63	80
Part number	1312500	1312501	1312502	1312503	1312504	1312505	1312506
Stroke [mm]	1-3,000		1-8,500		1-6,000	1-5,000	1-3,000
Theoretical Force at 6 Bar [N]	153	295	483	754	1,178	1,870	3,016
Air Cushioning Length [mm]	16	18	20	30	30	30	83
Max Speed							
-with internal Air cushioning [m/s]	2						
-with external cushioning [m/s]	3						
Operating Pressure [Bar]	2-8			1.5-8			
Ambient Temperature °C	-10 to +60						

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