

The right solution for every drive – individually and reliably.

Spring-applied brakes for servo motors

Spring-applied brake BFK417



Servo drives require low-backlash holding brakes with short operating times. With its temperature-resistant friction lining, the BFK417 is ideally equipped for emergency stops even at high speeds. This makes it a cost-effective alternative to the permanent magnet brake.

Size	Holding torque [Nm]	Diameter [mm]
03	1,5	52
06	5	70
08	13	90
10	25	115
12	50	130
14	100	165

Features

- Friction linings that have been tried and tested in applications, for use with high static torques – also suitable for high load requirements specific to individual applications
- 6 sizes with brake torques from 1.5 to 100 Nm
- Lower moments of inertia compared with permanent magnet brakes
- Temperature-resistant up to 120 °C (ambient temperature)

Benefits

- Adaptable to different project-specific bolt pitch circles and shaft diameters
- Can be mounted on the A-bearing side and the B-bearing side
- Fast and easy brake assembly thanks to threaded bore holes in the base of the stator
- Backlash when new < 0.5°
- Designed for 5,000,000 braking operations
- Large friction radius and large friction surface
- Completely assembled with flange as counter-braking surface
- Large friction radius and large friction surface