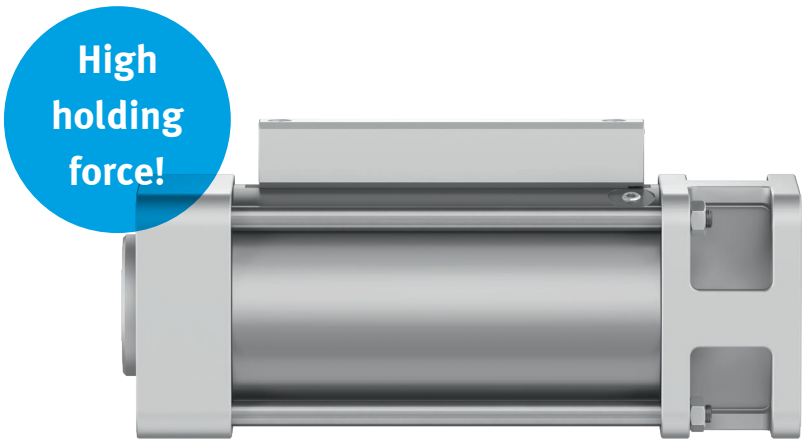
Holding brake DACS
Cylinder with holding brake DFLC/DFLG



Dynamic holding!

Highlights

- Strong holding mechanism
- Low weight – high force
- Certified design
- Suitable for safety applications
- Also pre-assembled on standards-based cylinders to ISO
- Maintenance-free

From 100 to zero in the shortest possible time thanks to the operating mode of this holding brake, which enables braking procedures especially for safety applications. As soon as a signal is received, the through piston rod comes to a halt, despite the load and full speed.

Controlled braking procedures and reliable states are a key criterion for safe system operation in ever faster processes with increasing dynamic response.

Safe and tested
To best meet current requirements, we have designed the DACS as a pure holding brake, but one that can also be used in combination with an ISO cylinder. Each brake is individually tested and documented in accordance with Machinery Directive 2006/42/E. The holding brake DACS can be used in controllers up to PLc/category 1 to DIN EN ISO 13849-1 and has impressively high $B10_d$ values.

Many functions
The holding brakes are suitable for static holding as well as for a dynamic emergency stop. The switching status can optionally be sensed using a sensor. Variants with high corrosion protection or an ATEX design are also available.

Holding brake DACS
Cylinder with holding brake DFLC/DFLG

Highly versatile, safe and easy to combine

The maintenance-free unit is suitable for safety-related applications with corresponding $B10_d$ values, e.g. in safety circuits such as drop guards for vertical axes. It comes with a certificate of type testing from the German Technical Control Board (TÜV).

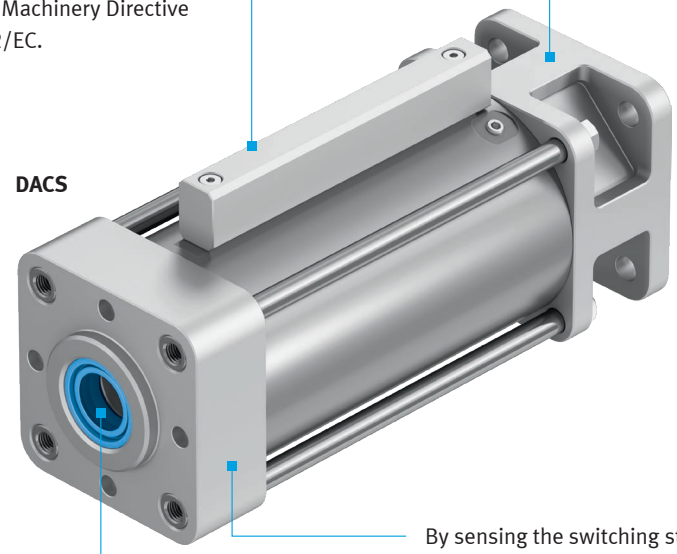
Holding brake for static holding and dynamic braking. Certified in accordance with the Machinery Directive 2006/42/EC.

Maintenance-free unit

DFLC

DFLG

DACS



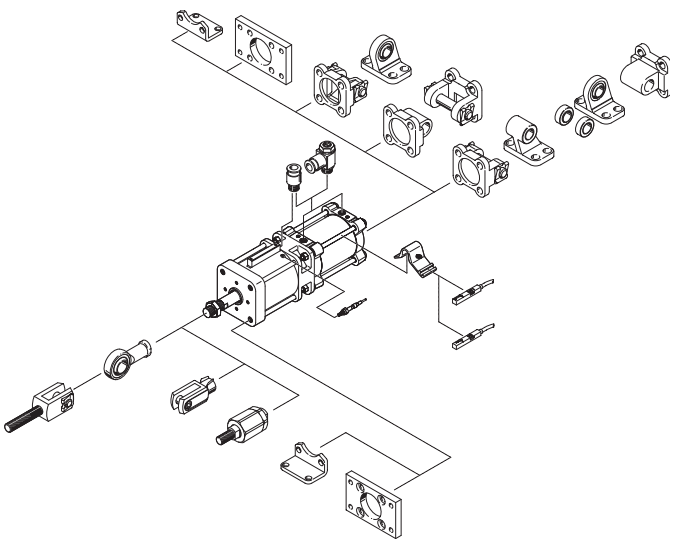
By sensing the switching status with an inductive proximity sensor an increased Performance Level can be achieved during the risk assessment for the machines.

Maximum holding force in a compact design

Both as a standalone holding brake DACS and in combination with the Festo standards-based cylinders to ISO 15552

Secure connection

A secure connection is ensured by the numerous attachments from our range of accessories



Technical data

Type	Holding brake DACS Cylinder with holding brake DFLC/DFLG			
Holding mechanism	Pressure controlled friction brake with spring-loaded clamping collet			
Application	• Use as a static holding brake with and without load • Emergency stop functions to slow down or stop movements (dynamic application)			
Variants	Variants with high corrosion resistance and for use in potentially explosive areas (ATEX category 2GD)			
Nominal size	20	25	32	40
Static holding force	1,350 N	5,000 N	10,000 N	17,000 N
Safety criteria	German Technical Control Board (TÜV) type test, safety component with declaration of conformity, switching status monitoring			

PSI 148.3 en 2020/02 – Errors and omissions excepted