



Flat cylinder DZF



Highlights

- Compact and flat design
- Integrated protection against rotation
- Effective end-position cushioning
- Wide variety of mounting and assembly options

The flat cylinder DZF is a versatile and innovative solution for linear pneumatic movements. Its compact and flat design makes it ideal for applications where space is limited, and it enables high packing density in block mounting.

Two functions, one cylinder

Thanks to its oval piston shape, the flat cylinder DZF combines two functions in one component: it enables precise linear movement and at the same time offers integrated anti-twist protection. This has the advantage that reliable rotation protection is included, without the need for any additional installation or external components. The DZF is reliable, even with medium to high forces and torques. With its many different sizes and variable strokes from 10 to 320 mm, it is suitable for a wide range of appli-

cations.

Efficient operation and design

In addition, the DZF is extremely efficient since its operating costs are low and the flat design and reduced use of materials provide a high degree of sustainability. The elastic cushioning plates ensure effective end-position cushioning without additional adjustments, which saves time and increases user-friendliness.

For versatile applications

The DZF is the perfect choice for demanding applications such as

high-precision clamping, lifting heavy loads or moving heavy parts in various industries, including the automotive, packaging and electrical industries.



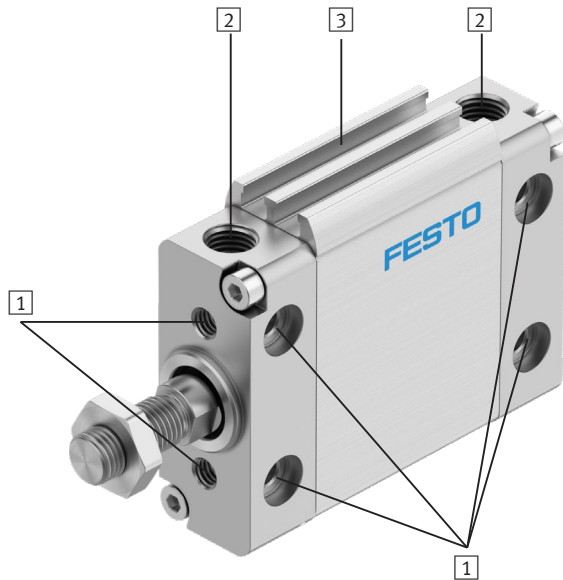
Additional information:

Product page

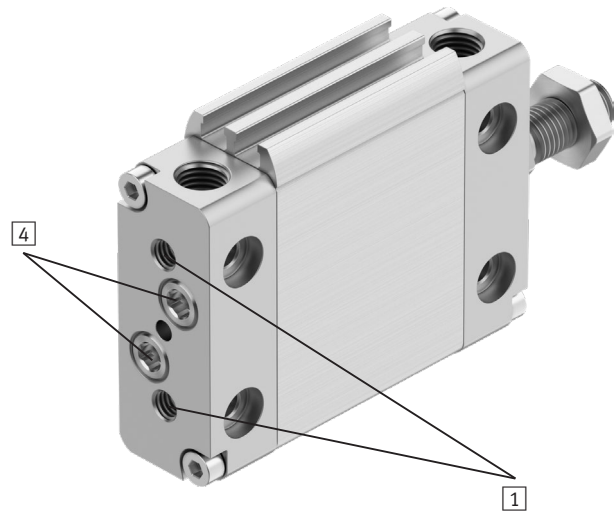
> www.festo.com/catalogue/dzf



Overview of interfaces



- 1 Interface for mounting
- 2 Compressed air supply port
- 3 Mounting slot for proximity switch



- 4 Additional compressed air connections, sealed with blanking plugs

Overview of variants



S6: Heat-resistant seals up to max. 120 °C

Variant for use at higher ambient temperatures. Temperature range: -0 ... +120 °C



S2: Through piston rod

The piston rod can be used for connection at both ends of the cylinder. Identical forces in the forward and return stroke.



S20: Through, hollow piston rod

The piston rod can be used for connection at both ends of the cylinder. Identical forces in the forward and return stroke. It is also hollow on the inside, so it can be used to carry vacuum or compressed air.

Technical data

Size	12	18	25	32	40	50	63
Standard strokes [mm]	10, 25, 40, 50, 80, 100, 125, 160, 200, 250, 320						
Variable stroke range [mm]	10 ... 320 (available in increments of 1 mm)						
Cushioning option	P (elastic cushioning rings at both ends)						
Position sensing	Via proximity switch						
Temperature range	Standard: -20 ... +80 °C						