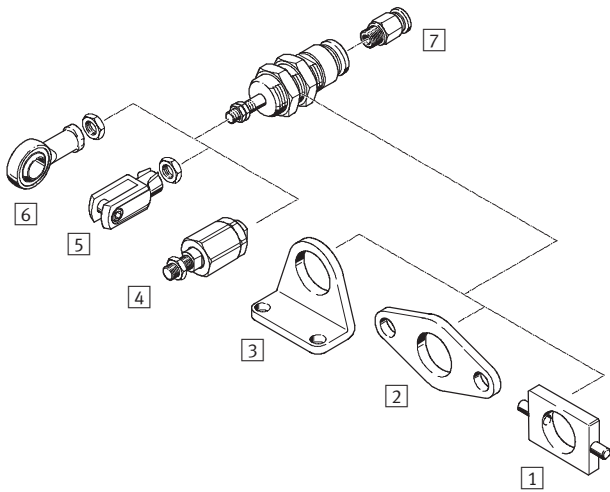


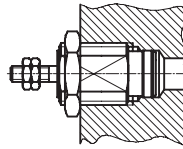
- **Wide variety of applications for handling functions**
- **Minimal installation space required**
- **Stroke end positions can be varied according to the depth of engagement of the cylinder**
- **Additional mounting attachments**

Cartridge cylinders EGZ

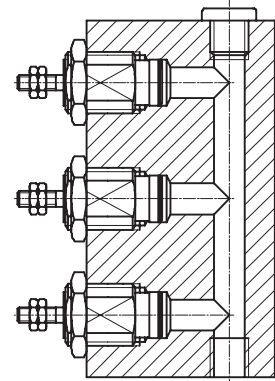
Peripherals overview and type codes



Installation without mounting attachments

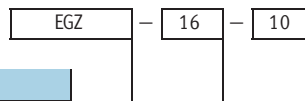


Minimal installation space required



Mounting attachments and accessories					
	Brief description	Piston Ø 6 mm	Piston Ø 10 mm	Piston Ø 16 mm	→ Page
1	Swivel mounting WBN	-	■	■	1 / 2.5-6
2	Flange mounting FBN	-	■	■	1 / 2.5-5
3	Foot mounting HBN	-	■	■	1 / 2.5-5
4	Self-aligning rod coupler FK	-	■	■	1 / 2.5-6
5	Rod clevis SG	-	■	-	1 / 2.5-6
6	Rod eye SGS	-	■	-	1 / 2.5-6
7	Push-in fitting QS	■	■	■	Volume 3

2.5 Cylinders with piston rods Screw-in/screw-on cylinders



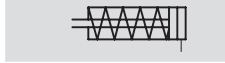
Type	
Single acting, pushing	
EGZ	Cartridge cylinder
Piston Ø [mm]	
16 - 10	
Stroke [mm]	

Cartridge cylinders EGZ

Technical data

FESTO

Function



- \varnothing - Diameter
6 ... 16 mm
- | - Stroke length
5 ... 15 mm



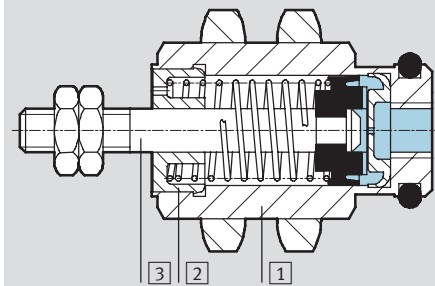
General technical data			
Piston \varnothing	6	10	16
Pneumatic connection	M3	M5	M5
End of piston rod Male thread	M3	M4	M5
Operating medium	Filtered compressed air, lubricated or unlubricated		
Constructional design	Piston		
	Piston rod		
Cushioning	None		
Position sensing	None		
Type of mounting	With lock nut		
	With accessories		
Mounting position	Any		

Operating and environmental conditions			
Piston \varnothing	6	10	16
Operating pressure [bar]	1.5 ... 8		
Ambient temperature [°C]	-20 ... +80		

Forces and permitted applied load [N]									
Piston \varnothing	6			10			16		
	Stroke	5	10	15	5	10	15	5	10
Theoretical force at 6 bar, advancing	14			42			109		
Spring return force	1.5	2.1	1.6	4	3.5	3	10	8.8	7.5
Maximum applied load at the piston rod	0.10			0.15			0.20		

Materials

Sectional view



Cylinder		
1	Housing	Brass, nickel-plated
2	Cover	Polyacetal
3	Piston rod	High-alloy steel

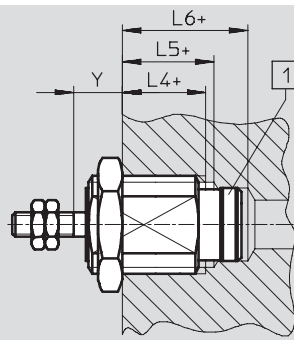
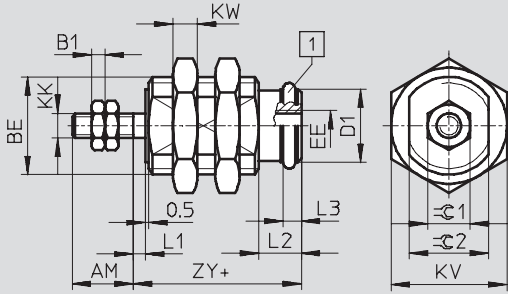
Cartridge cylinders EGZ

Data sheet

FESTO

Dimensions

Download CAD data → www.festo.com/en/engineering



1 O-ring
+ = plus stroke length

∅	AM	B1	BE	D1 ∅ H7/f8	EE	KK	KV h13	KW	L1	L2	L3
6 ¹⁾	7	1.8	M10x1	7.6	M3	M3	13	3.5	1.5	6	2.4
6 ²⁾											
10	10	2.2	M16x1.5	12	M5	M4	19	4	2	7	3
16	12	2.7	M22x1.5	18.5	M5	M5	27	5	2	9	3.5

∅	L4	L5	L6	Y		ZY	⌀C1 h13	⌀C2 h13
	-Y +1	-Y -1	-Y +1	min.	max. + stroke			
6 ¹⁾	9	11	15.5	6	5	15	5.5	8
6 ²⁾	11	13	17.5	6	7	17		
10	11	13	18.5	7	6	17.5	7	13
16	13	16	21	8	6	20.5	8	19

- 1) 5 mm stroke
2) 10 and 15 mm stroke

Ordering data¹⁾

Stroke [mm]	Part No.	Type	Stroke [mm]	Part No.	Type
Piston ∅ 6 mm			Piston ∅ 10 mm		
5	15 033	EGZ-6-5	5	15 036	EGZ-10-5
10	15 034	EGZ-6-10	10	15 037	EGZ-10-10
15	15 035	EGZ-6-15	15	15 038	EGZ-10-15
Piston ∅ 16 mm					
5	15 039	EGZ-16-5			
10	15 040	EGZ-16-10			
15	15 041	EGZ-16-15			

1) Two hex nuts each for the male cylinder thread and for the piston thread are included in the scope of delivery.

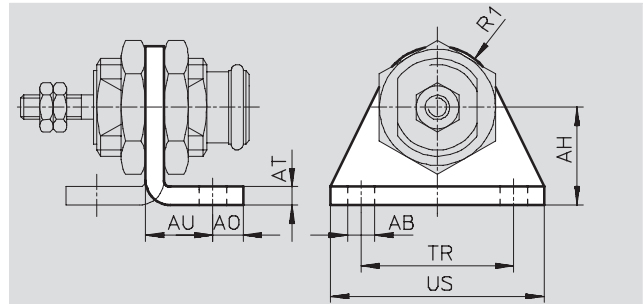
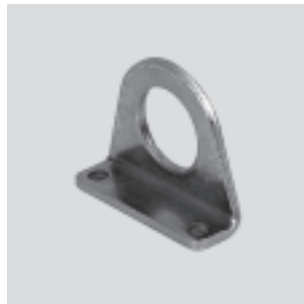
Cartridge cylinders EGZ

Accessories



Foot mounting HBN for piston \varnothing 10, 16 mm

Material:
Steel
Free of copper, PTFE and silicone

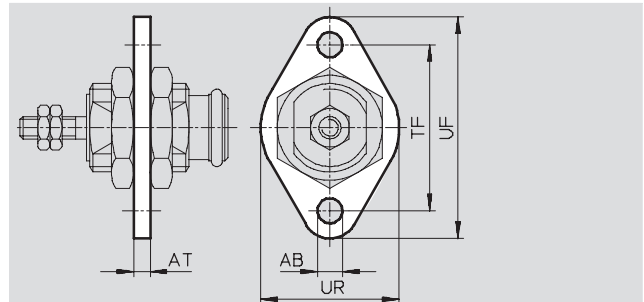


Dimensions and ordering data													
For \varnothing	Minimum stroke lengths	AB \varnothing	AH	AO	AT	AU	R1	TR	US	CRC ¹⁾	Weight [g]	Part No.	Type
10	5	5.5	20	6	4	14	13	32	42	2	40	5 125	HBN-12/16X1
16	7	6.6	25	8	5	17	20	40	54	2	90	5 127	HBN-20/25X1

1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Flange mounting FBN for piston \varnothing 10, 16 mm

Material:
Steel
Free of copper, PTFE and silicone



Dimensions and ordering data													
For \varnothing	Minimum stroke lengths	AB \varnothing	AT	TF	UF	UR	CRC ¹⁾	Weight [g]	Part No.	Type			
10	5	5.5	4	40	53	30	2	25	5 130	FBN-12/16			
16	7	6.6	5	50	68	40	2	45	5 131	FBN-20/25			

1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

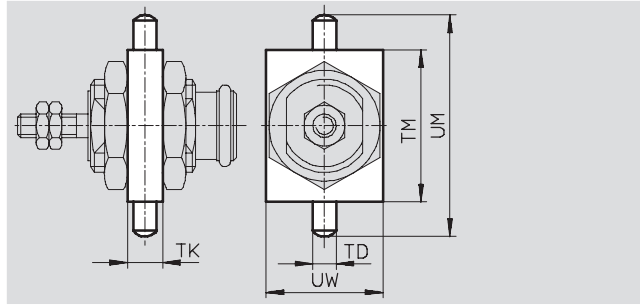
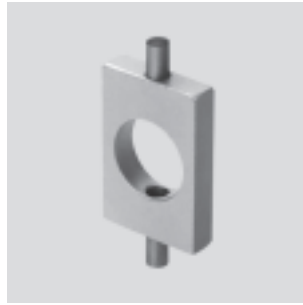
Cartridge cylinders EGZ

Accessories



Swivel mounting WBN
for piston \varnothing 10, 16 mm

Material:
Tempered steel






Dimensions and ordering data

For \varnothing	Minimum stroke lengths	TD \varnothing m6	TK	TM	UM	UW	Weight [g]	Part No.	Type
10	9	6	8	38	58	25	50	8 609	WBN-12/16
16	10	6	8	46	66	30	70	8 610	WBN-20/25

Ordering data – Piston rod attachments

Technical data \rightarrow 1 / 10.3-2

Designation	For \varnothing	Part No.	Type	Designation	For \varnothing	Part No.	Type
Rod eye SGS				Rod clevis SG			
	10	9 253	SGS-M4		10	6 532	SG-M4
Self-aligning rod coupler FK							
	10	6 528	FK-M4				
	16	30 984	FK-M5				