

Passive guide axes EGC-FA, without drive

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Passive guide axes EGC-FA, without drive

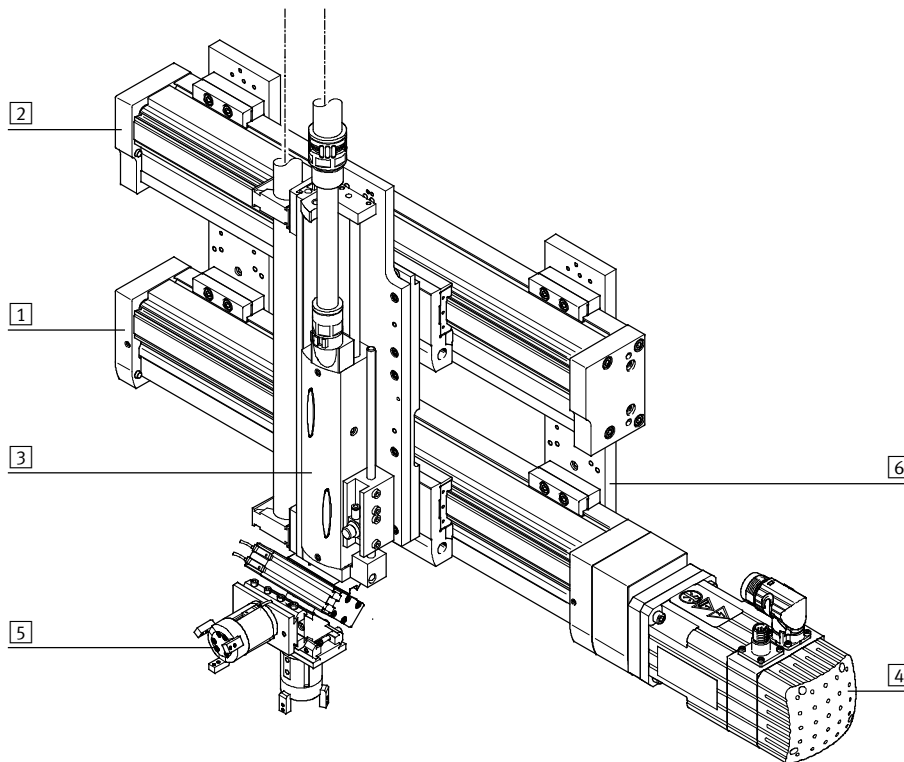
Key features

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At a glance

- Driveless linear guide unit with guide and freely movable slide
- Passive guide axes are designed to increase force and torque in multi-axis applications
- Higher torsional resistance
- Reduced vibrations with dynamic loads
- Drive axes and passive guide axes can be arranged adjacent to or above one another

System product for handling and assembly technology



System components and accessories		
	Brief description	→ Page/Internet
1 Axes	Wide range of combinations possible within handling and assembly technology	axis
2 Guide axes	For increasing force and torque in multi-axis applications	guide axis
3 Drives	Wide range of combinations possible within handling and assembly technology	drive
4 Motors	Servo and stepper motors, with or without gearing	motor
5 Grippers	Wide range of variations possible within handling and assembly technology	gripper
6 Adapters	For drive/drive and drive/gripper connections	adapter kit

Passive guide axes EGC-FA, without drive

Key features

Slide variants

Standard slide

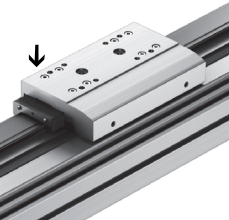


Additional slide



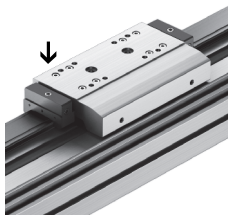
Guide options

Protected version



- The protected guide cleans the guide rail and protects the recirculating ball bearing guide with the aid of an additional wiper

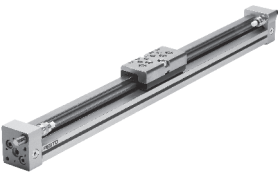
With central lubrication



- The lubrication adapter enables the guide to be permanently lubricated using semi or fully automatic relubrication devices
- The adapters are suitable for oils and greases
- Both lubrication adapters must be connected

Guide axes and the corresponding drives

Passive guide axis DGC-FA



- Can be combined with:
 - Linear drive DGC-KF
- For size 8 ... 63
- Load capacity to max. 6,890 N or 380 Nm

Passive guide axis EGC-FA



- Can be combined with:
 - Toothed belt axis EGC-TB
 - Spindle axis EGC-BS
- For size 70 ... 185
- Load capacity to max. 15,200 N or 1,820 Nm

Passive guide axis FDG-ZR-RF



- Can be combined with:
 - Toothed belt axis DGE-ZR-RF
- For size 25 ... 63
- Load capacity to max. 1,500 N or 600 Nm

Passive guide axis FDG-P/-ZR/-SP



- Can be combined with:
 - Linear drive DGPL
 - Toothed belt axis DGE-ZR-KF
 - Spindle axis DGE-SP-KF
- For size 18 ... 63
- Load capacity to max. 14,050 N or 1,820 Nm

Passive guide axes EGC-FA, without drive

Type codes

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		EGC	-	70	-	500	-	FA	-		-	GK
Type												
EGC	Passive guide axis											
Size												
Stroke [mm]												
Guide												
FA	Passive guide axis											
Stroke reserve												
Slide												
GK	Standard slide											
GP	Standard slide, protected											

Passive guide axes EGC-FA, without drive

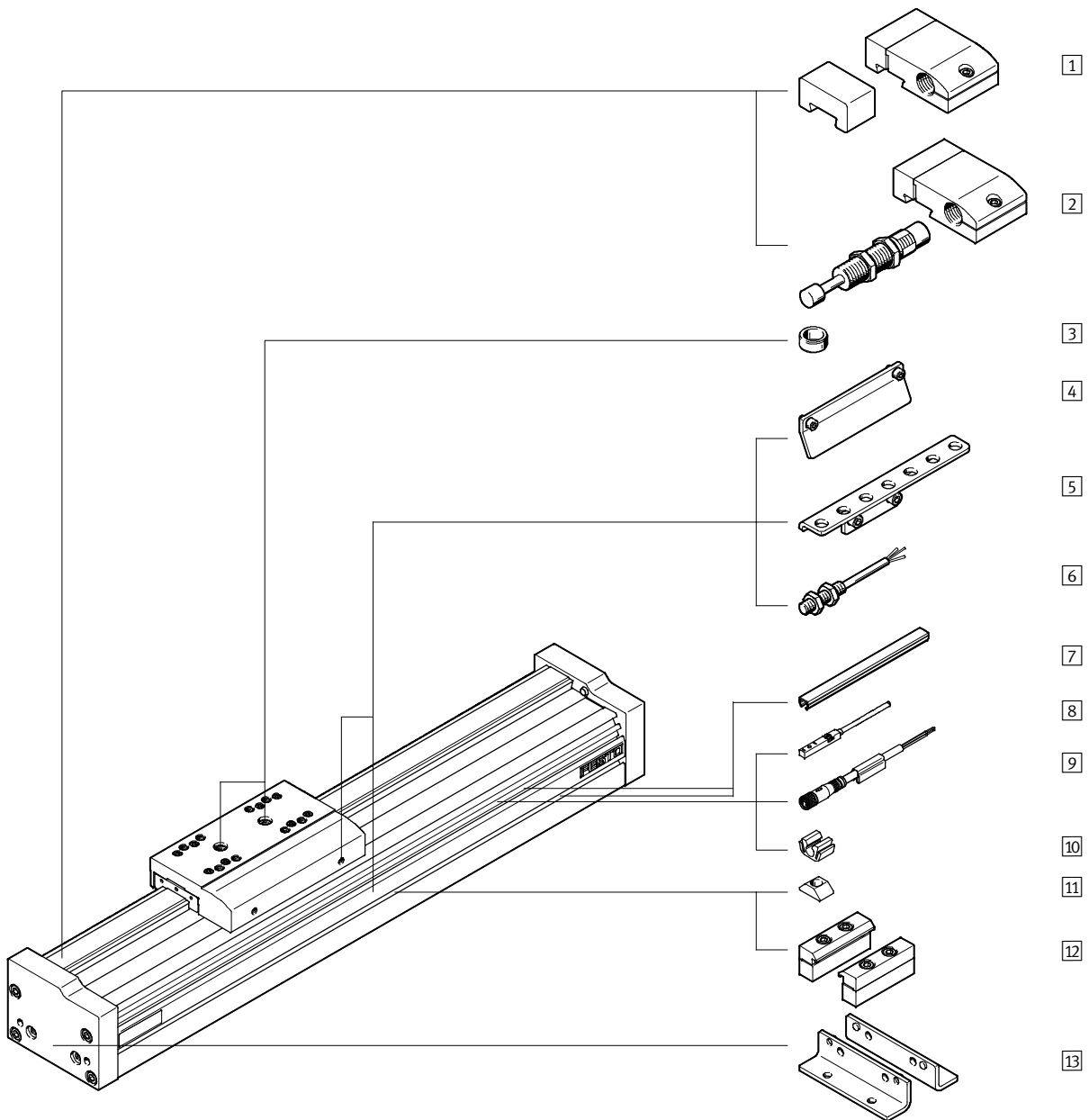
Type codes

→		-		ZUB -	F2MX2Z	-	DN
Additional slide							
...K	1 to 2						
Lubrication function							
-	Standard						
C	Lubrication adapter						
Accessories enclosed separately							
F	Foot mounting						
...M	Profile mounting						
...B	Mounting slot cover						
...S	Sensor slot cover						
...Y	Slot nut for mounting slot						
...X	Proximity sensor (SIES), inductive, slot type 8, PNP, N/O contact, cable 7.5 m						
...Z	Proximity sensor (SIES), inductive, slot type 8, PNP, N/C contact, cable 7.5 m						
...A	Emergency buffer with retainer						
...C	Shock absorber with retainer						
...O	Proximity sensor (SIEN), inductive, M8, PNP, N/O contact, cable 2.5 m						
...P	Proximity sensor (SIEN), inductive, M8, PNP, N/C contact, cable 2.5 m						
...W	Proximity sensor (SIEN), inductive, M8, PNP, N/O contact, plug M8						
...R	Proximity sensor (SIEN), inductive, M8, PNP, N/C contact, plug M8						
...V	Connecting cable						
...CL	Cable clip						
Operating instructions							
DN	No						

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Peripherals overview

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Passive guide axes EGC-FA, without drive

Peripherals overview

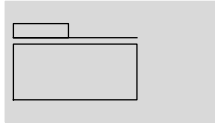
Variants and accessories		
Type	Brief description	→ Page/Internet
1 Emergency buffer with retainer A	For avoiding damage at the end stop in the event of malfunction	24
2 Shock absorber with retainer C	For avoiding damage at the end stop in the event of malfunction	24
3 Centring pin/sleeve ZBS, ZBH	- For centring loads and attachments on the slide 2 centring pins/sleeves included in the scope of delivery of the axis	26
4 Switching lug X, Z, O, P, W, R	For sensing the slide position	24
5 Sensor bracket O, P, W, R	Adapter for mounting the inductive proximity sensors (round design) on the axis	25
6 Proximity sensor, M8 O, P, W, R	- Inductive proximity sensor, round design - The order code O, P, W, R includes 1 switching lug and max. 2 sensor brackets in the scope of delivery	27
7 Slot cover B, S	For protecting against ingress of dirt	26
8 Proximity sensor, slot type 8 X, Z	- Inductive proximity sensor, for slot type 8 - The order code X, Z includes 1 switching lug in the scope of delivery	27
9 Plug socket with cable V	For proximity sensor (order code W and R)	27
10 Clip CL	For mounting the proximity sensor cable in the slot	26
11 Slot nut Y	For mounting attachments	26
12 Profile mounting M	For mounting the axis on the profile	23
13 Foot mounting F	For mounting the axis on the end cap	22

Passive guide axes EGC-FA, without drive

Technical data

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Function



- Ø - Size
70 ... 185
- I - Stroke length
50 ... 8,500 mm



General technical data					
Size		70	80	120	185
Design		Passive axis			
Guide		Recirculating ball bearing guide			
Mounting position		Any			
Working stroke	GK/GP [mm]	50 ... 5,000	50 ... 8,500	50 ... 8,500	50 ... 8,500
Max. speed	[m/s]	5			
Max. acceleration	[m/s ²]	50			

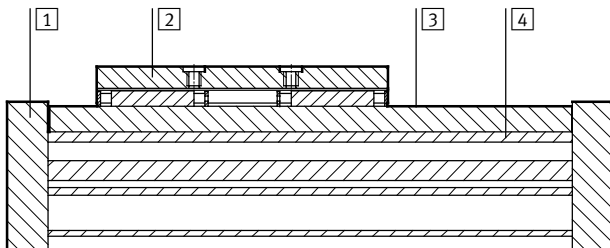
Operating and environmental conditions		
Ambient temperature	[°C]	-10 ... +60
Protection class		IP40

Weight [kg]					
Size		70	80	120	185
Basic weight with 0 mm stroke ¹⁾	GK/GP	1.2	2	7.3	20.8
Additional weight per 1,000 mm stroke		4.2	6.2	15	29
Moving load	GK/GP	0.3	0.55	2	6
Additional slide	K	0.3	0.55	2	6

1) Incl. slide

Materials

Sectional view



Axis	
1	End cap
2	Slide
3	Guide rail
4	Profile
Note on materials	
RoHS-compliant	
Contains PWIS (paint-wetting impairment substances)	

Passive guide axes EGC-FA, without drive

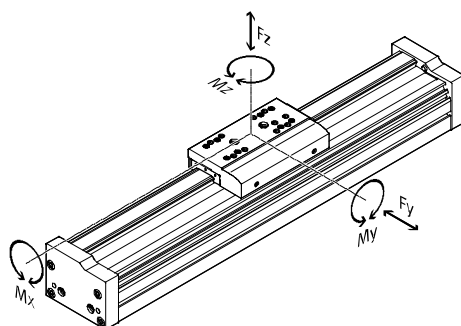
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Technical data

Characteristic load values

The indicated forces and torques refer to the slide surface. The point of application of force is the point where the centre of the guide and the longitudinal centre of the slide intersect.

These values must not be exceeded during dynamic operation. Special attention must be paid to the cushioning phase.



If the axis is subjected to more than two of the indicated forces and torques simultaneously, the following equation must be met in addition to the indicated maximum loads:

Calculating the load comparison factor:

$$f_v = \frac{|F_{y,dyn}|}{F_{y,max}} + \frac{|F_{z,dyn}|}{F_{z,max}} + \frac{|M_{x,dyn}|}{M_{x,max}} + \frac{|M_{y,dyn}|}{M_{y,max}} + \frac{|M_{z,dyn}|}{M_{z,max}}$$

Permissible forces and torques

Size		70	80	120	185
Fy _{max.}	[N]	1,850	3,050	6,890	15,200
Fz _{max.}	[N]	1,850	3,050	6,890	15,200
Mx _{max.}	[Nm]	16	36	144	529
My _{max.}	GK/GP [Nm]	51	97	380	1,157
Mz _{max.}	GK/GP [Nm]	51	97	380	1,157

Service life

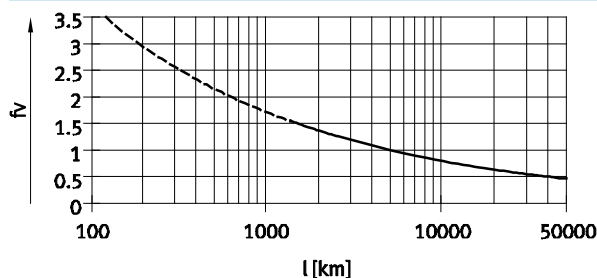
The service life of the guide depends on the load. To provide a rough indication of the service life of the guide, the

graph below plots the load comparison factor f_v against the service life.

These values are only theoretical. Consultation with your local contact person at Festo is mandatory for load

comparison factors f_v greater than 1.5.

Load comparison factor f_v as a function of service life



Example:

A user wants to move an X kg load. Using the above formula gives a value of 1.5 for the load comparison factor. According to the graph, the guide would have a service life of

approx. 1,500 km. Reducing the acceleration reduces the Mz and My values. A load comparison factor of 1 now gives a service life of 5,000 km.



Note

PositioningDrives
sizing software
www.festo.com

The workload for a service life of 5,000 km can be calculated with the help of the sizing software.

$f_v > 1.5$ are only theoretical comparison values for the recirculating ball bearing guide.

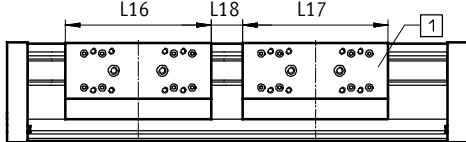
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Stroke reserve			
Stroke length	Stroke reserve		
The selected stroke corresponds in principle to the required working stroke. The variant GK does not have a wiper seal on the guide. This variant therefore additionally has a safety distance between the drive cap and slide that is not designated as part of the working stroke.	A safety distance (similar to GK) between the drive cap and slide can be defined for the variants GP and GK-C using the modular product system via the “stroke reserve” feature. With the variant GK, the stroke reserve and safety distance are added for each end position.	• The stroke reserve length can be freely selected • The sum of the stroke length and 2x stroke reserve must not exceed the maximum working stroke	Example: EGC-70-500-FA-20H-...
			Working stroke = 500 mm 2x stroke reserve = 40 mm Total length = 540 mm (540 mm = 500 mm + 2x 20 mm)

Size	70	80	120	185
L9 = safety distance with GK [mm] (per end position)	10.5	13	18	21

Working stroke reduction			
With standard slide GK/GP with additional slide K			
With a guide axis with additional slide, the working stroke is reduced by the length of the additional slide and the distance between both slides	With the variant GP, the additional slide is also protected	If the variant GK-C is ordered, the additional slide is also supplied with lubrication adapters	
L16 = Slide length L17 = Additional slide length	L18 = Distance between both slides 1 Additional slide	Example: Type EGC-70-500-FA-...-GK-1K Working stroke without additional slide = 500 mm L18 = 20 mm L16, L17 = 100 mm	Working stroke with additional slide = 380 mm (500 mm – 20 mm – 100 mm)
			

Dimensions – Additional slide								
Size	70		80		120		185	
Variant	GK	GP	GK	GP or GK-C	GK	GP or GK-C	GK	GK-C
Length L17 [mm]	100	121	120	146	200	236	280	322
Min. distance between the slides L18 [mm]	–	21	–	26	–	36	–	42

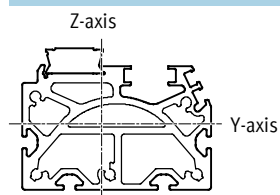
Working stroke reduction per side				
With integrated emergency buffer NPE/shock absorber YSRW with shock absorber retainer KYE				
• With a guide axis with emergency buffer, the working stroke is reduced by the total dimension of the emergency buffer/shock absorber and shock absorber retainer • The rubber buffer in the cap must be removed • Shock absorbers must not be used in combination with GK-C				
Size	70	80	120	185
With emergency buffer [mm]	43	68	98	133
With shock absorber [mm]	42	63	84	107

Passive guide axes EGC-FA, without drive

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Technical data

2nd moment of area

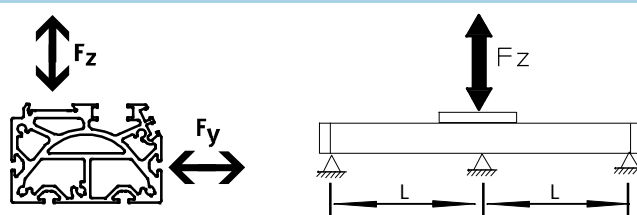


Size	70	80	120	185
I_y [mm ⁴]	3.95×10^5	8.44×10^5	4.62×10^6	2.34×10^7
I_z [mm ⁴]	5.77×10^5	1.16×10^6	5.65×10^6	2.74×10^7

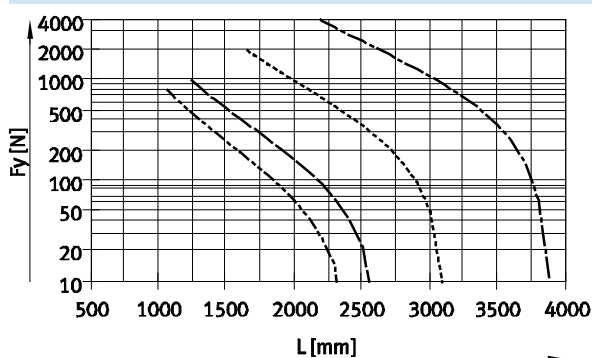
Maximum permissible support span L (without profile mounting) as a function of force F

In order to limit deflection in the case of large strokes, the axis may need to be supported.

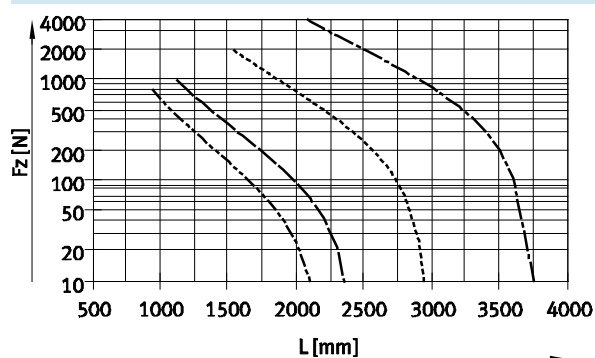
The following graphs can be used to determine the maximum permissible support span l as a function of force F acting on the axis. The deflection is $f = 0.5$ mm.



Force F_y



Force F_z



- EGC-70
- EGC-80
- EGC-120
- EGC-185

Recommended deflection limits

Adherence to the following deflection limits is recommended so as not to impair the functional performance of the

axes. Greater deformation can result in increased friction, greater wear and reduced service life.

Size	Dyn. deflection (load moving)	Stat. deflection (stationary load)
70 ... 185	0.05% of the axis length, max. 0.5 mm	0.1% of the axis length

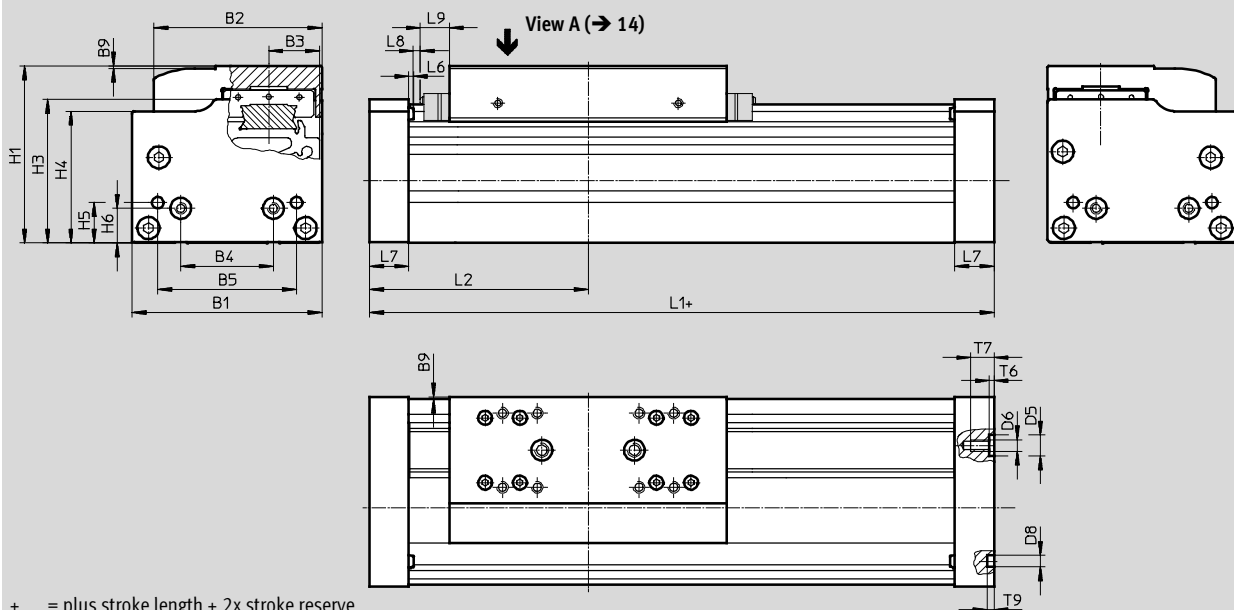
Passive guide axes EGC-FA, without drive

Technical data

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Dimensions

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+ = plus stroke length + 2x stroke reserve
 L9 With GK: safety distance per end position
 With GP: dimension for wiper seal → 10
 With GK-C/GV-C: dimension for adapter → 16

Size	B1	B2	B3	B4	B5	B9	D5 Ø H7
70	69	58.6	16.5	30	45	1	–
80	82	72.6	22	40	60	1	9
120	120	107	33	80	40	1	–
185	186	169	53	120	80	1	–

Size	D6	D8 Ø H7	H1	H3	H4	H5	H6	L1
70	M5	5	64	50.5	47	13	13	163
80	M5	5	76.5	62	57	17.5	15	190
120	M8	9	111.5	89	82	22	22	306
185	M10	9	172.5	141	131.5	25	25	406

Size	L2	L6	L7	L8	L9	T6	T7	T9
70	81.5	1.8	16	3	10.5	–	10	3.1
80	95	2	17	3	13	2.1	10.1	3.1
120	153	2	30	3	18	–	16	2.1
185	203	2	37	3	21	–	20	2.1

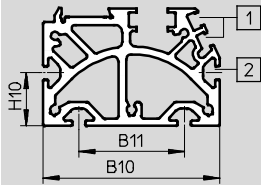
Passive guide axes EGC-FA, without drive

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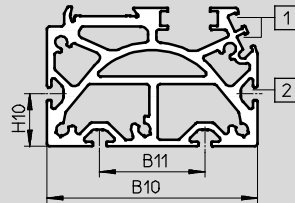
Technical data

Profile

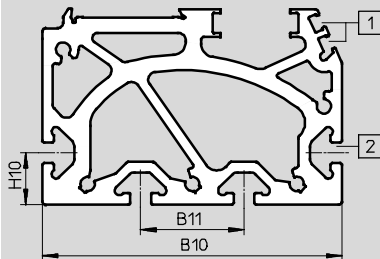
Size 70



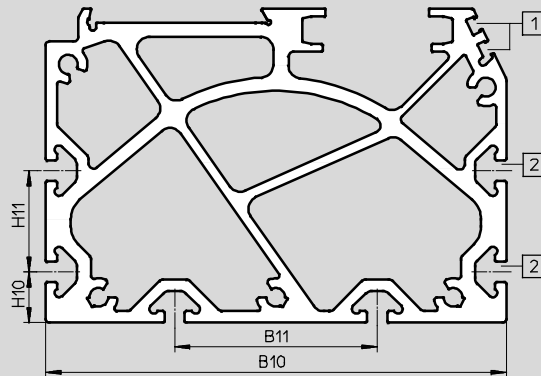
Size 80



Size 120



Size 185



- 1 Slot for proximity sensor
- 2 Mounting slot for slot nut

Size	B10	B11	H10	H11
70	67	40	20	–
80	80	40	20	–
120	116	40	20	–
185	182	80	20	40

-  - Note

To avoid distortion in the slide, the bearing surfaces of the attachments must maintain a minimum flatness of 0.01 mm.

Passive guide axes EGC-FA, without drive

Technical data

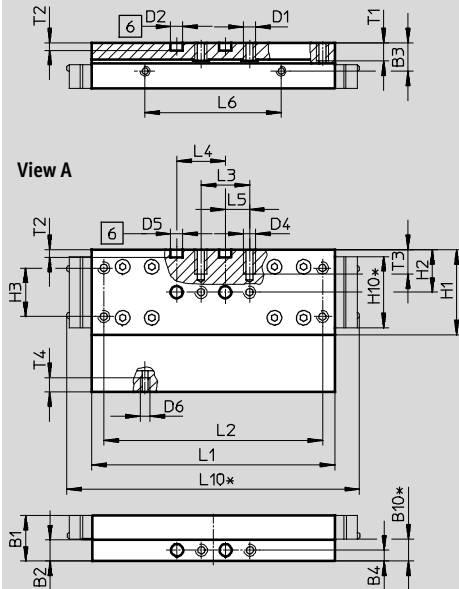
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Dimensions

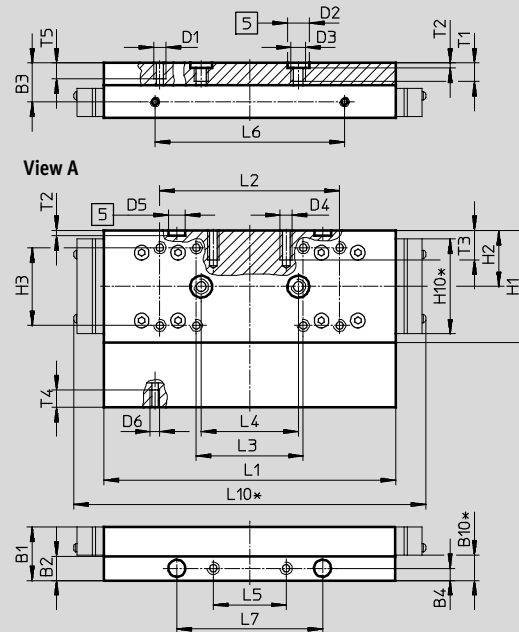
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GK – Standard slide/GP – Standard slide, protected

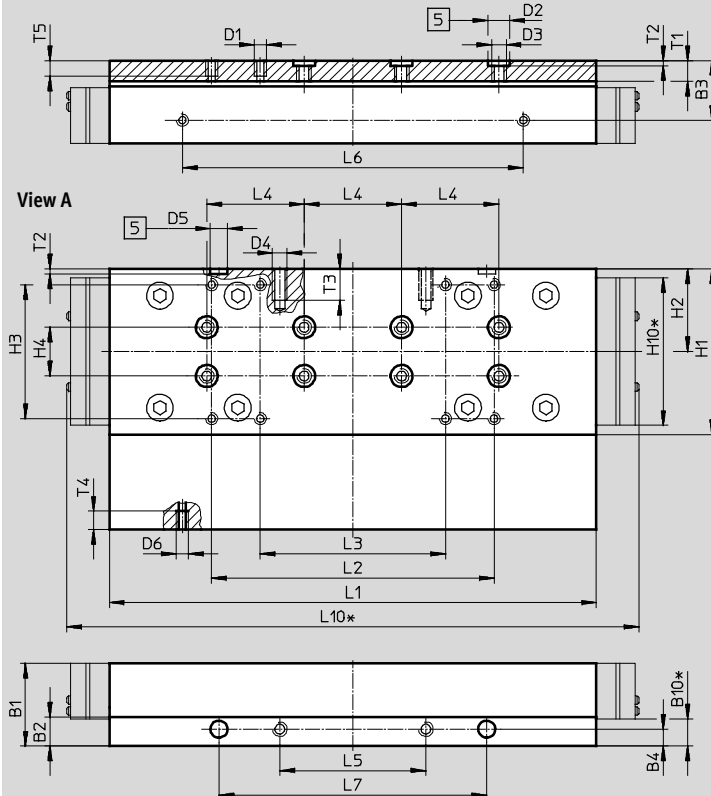
Size 70



Size 80



Size 120



- 5 Hole for centring sleeve
- 6 Hole for centring pin
- * Protected version

Passive guide axes EGC-FA, without drive

Technical data

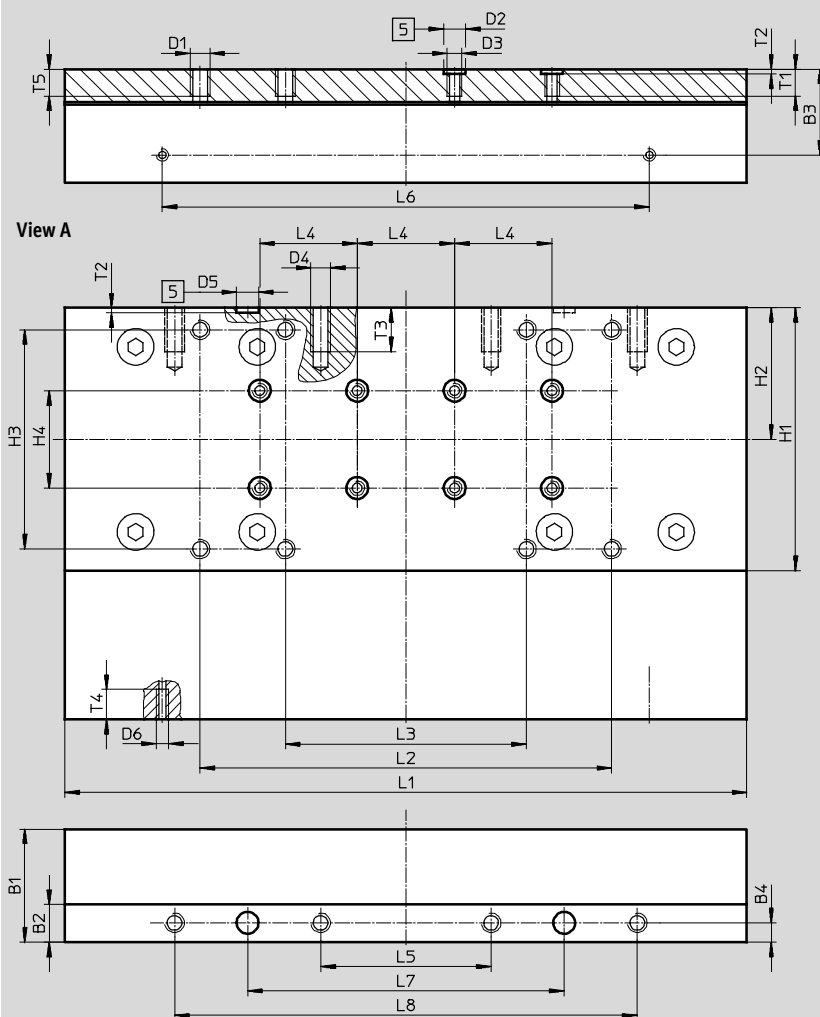
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Dimensions

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GK – Standard slide

Size 185



5 Hole for centring sleeve

Size	B1	B2	B3	B4	B10*	D1	D2 Ø H7	D3	D4	D5 Ø H7	D6	H1	H2	H3	H4 ±0.03
70	18.7	8.7	11.7	4.5	9	M5	5	–	M5	5	M4	35	17.5	20 ±0.1	–
80	22	10	16	5	10.4	M5	9	M6	M5	7	M4	46	23	32 ±0.2	–
120	34	12	24.5	7	11.2	M5	9	M6	M6	7	M5	68	34	55 ±0.2	20
185	46.5	15.5	35.2	8	–	M8	9	M6	M8	9	M5	108	54	90 ±0.2	40

Size	H10*	L1 ±0.1	L2	L3	L4 ±0.03	L5	L6 ±0.1	L7 ±0.05	L8 ±0.2	L10*	T1	T2 +0.1	T3	T4	T5
70	29.4	100	90 ±0.1	20 ±0.1	20	10 ±0.1	56	–	–	121	7.5	3.1	10	6	–
80	39	120	74 ±0.2	44 ±0.2	40	30 ±0.1	78	60	–	145	8.6	2.1	12	7	7.5
120	60.6	203.3	116 ±0.2	76 ±0.2	40	60 ±0.1	140	110	–	235	8.6	2.1	13	7.5	7.5
185	–	282.8	169 ±0.2	99 ±0.2	40	70 ±0.2	200	130	190	–	11	2.1	18	12.3	12

* Protected version

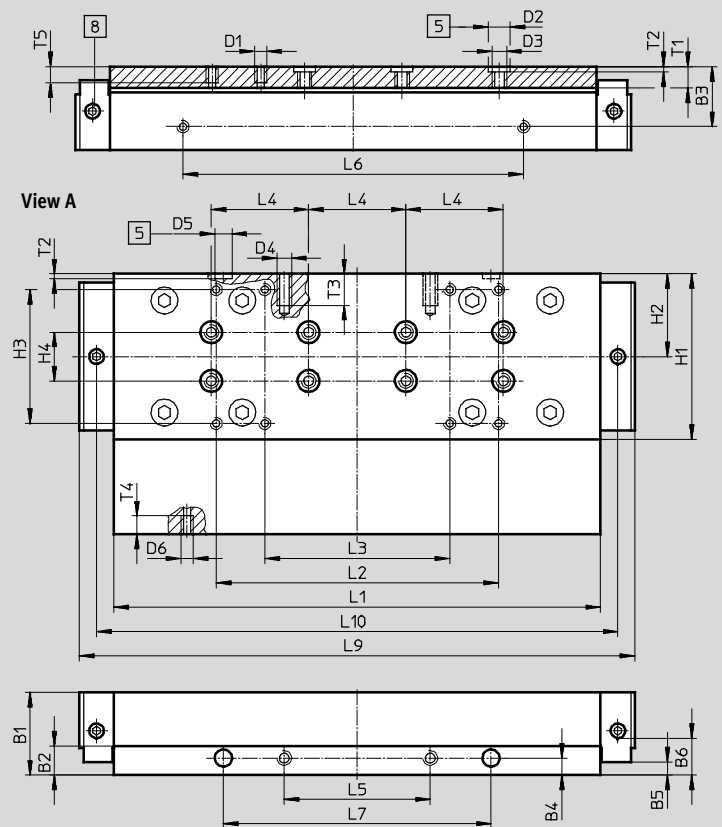
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Size 120



-
- Technical drawing of a mechanical part, showing three views: front view, top view, and side view. Dimensions are given in millimeters (mm).
- Front View:** Shows the main profile of the part. Key dimensions include overall length L_6 , overall width B_3 , and various hole diameters (D_1, D_2, D_3, D_4) and thicknesses (T_1, T_2, T_3, T_4). A section line is shown on the right side.
- Top View:** Shows the plan of the part. Key dimensions include overall length L_9 , overall width H_1 , and various hole diameters (D_5, D_6) and thicknesses (T_1, T_2, T_3, T_4). A section line is shown on the right side.
- Side View:** Shows the profile of the part from the side. Key dimensions include overall length L_7 , overall width B_4 , and various hole diameters (D_5, D_6) and thicknesses (T_1, T_2, T_3, T_4). A section line is shown on the right side.

Size	B1	B2	B3	B4	B5 ±0.1	B6	D1	D2 Ø H7	D3	D4
80	22	10	16	5	1	8.5	M5	9	M6	M5
120	34	12	24.5	7	5.5	18.2	M5	9	M6	M6

Size	D5 Ø H7	D6	H1	H2	H3 ±0.2	H4 ±0.03	L1 ±0.1	L2 ±0.2	L3 ±0.2	L4 ±0.03
80	7	M4	46	23	32	–	120	74	44	40
120	7	M5	68	34	55	20	203.3	116	76	40

Size	L5	L6	L7	L9	L10	T1	T2	T3	T4	T5
	±0.1	±0.1	±0.05				+0.1			
80	30	78	60	146	133	8.6	2.1	12	7	7.5
120	60	140	110	226.9	214.3	8.6	2.1	13	7.5	7.5

Technical data

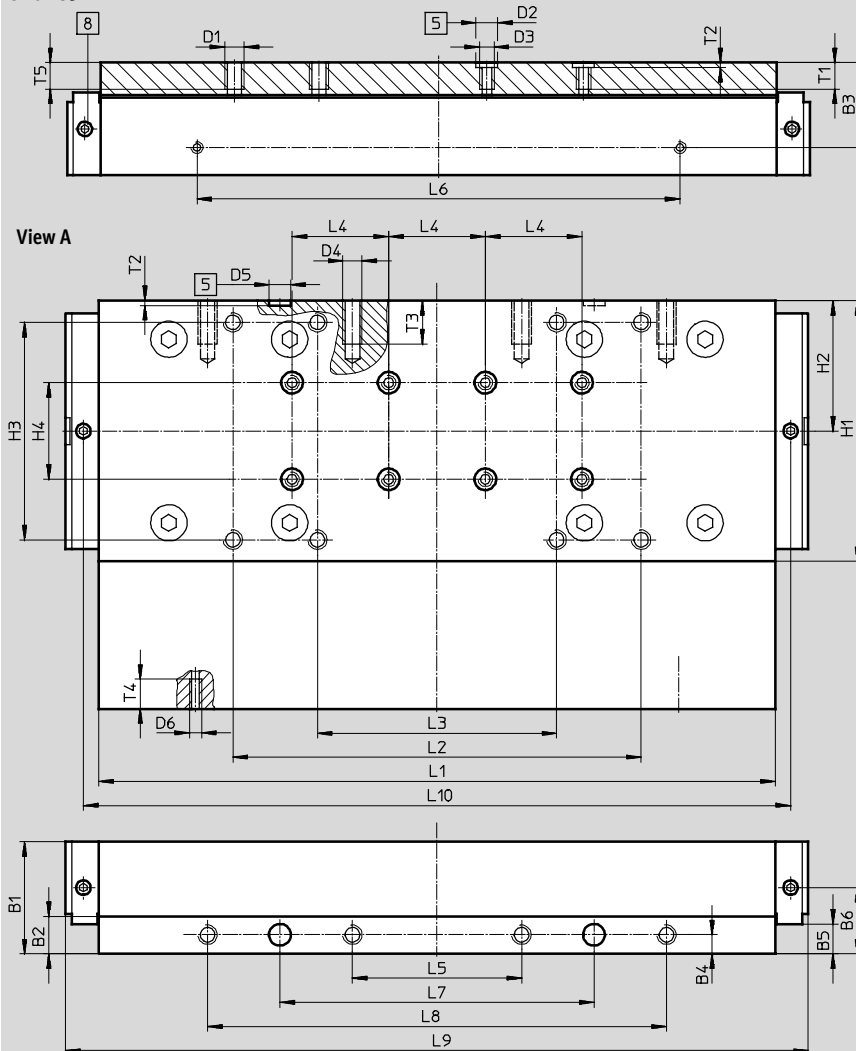
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Dimensions

Download CAD data → www.festo.com

GK-C – Standard slide with lubrication adapter

Size 185



- 5 Hole for centring sleeve
- 8 Lubricating hole for lubrication adapter, M6 threaded connection, 6 mm deep

Size	B1	B2	B3	B4	B5	B6	D1	D2	D3	D4
					±0.1			Ø H7		
185	46.5	15.5	35.2	8	12.5	27.5	M8	9	M6	M8

Size	D5 Ø H7	D6	H1	H2	H3	H4	L1	L2	L3	L4
					±0.2	±0.03	±0.1	±0.2	±0.2	±0.03
185	9	M5	108	54	90	40	282.8	169	99	40

Size	L5	L6	L7	L8	L9	L10	T1	T2	T3	T4	T5
	±0.2	±0.1	±0.05	±0.2				+0.1			
185	70	200	130	190	307.4	292.8	11	2.1	18	12.3	12

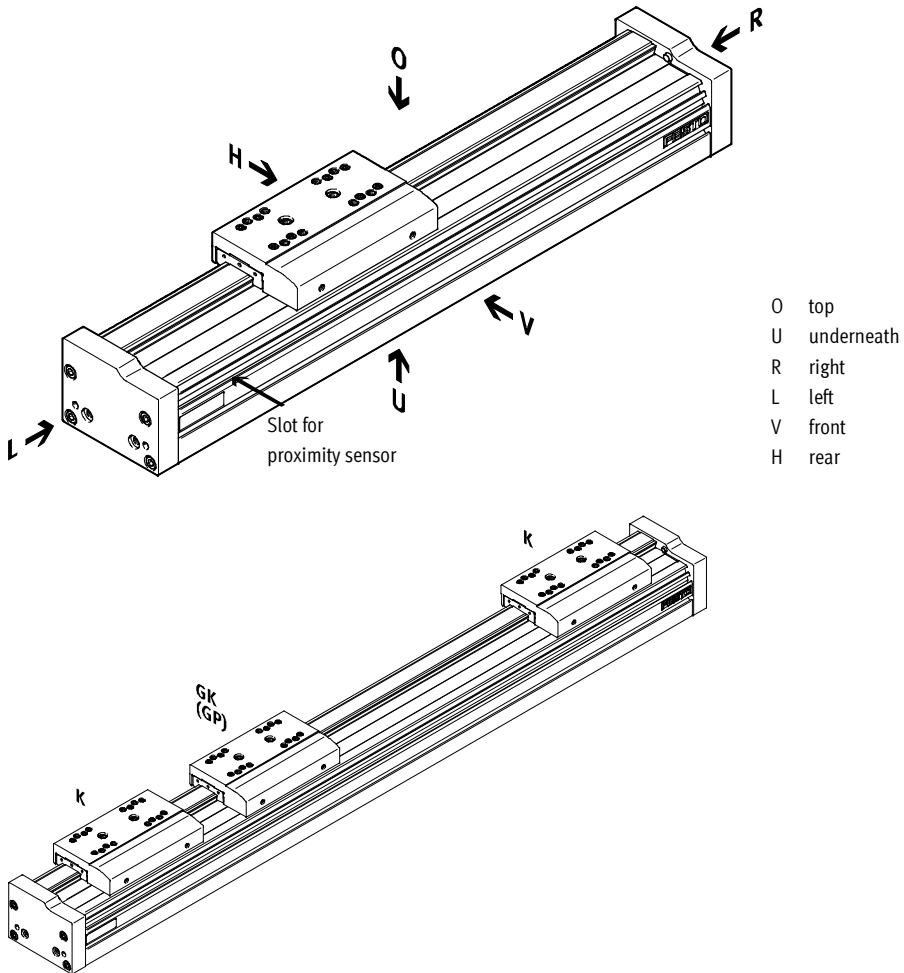
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Ordering data – Modular products

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Order code

Mandatory data



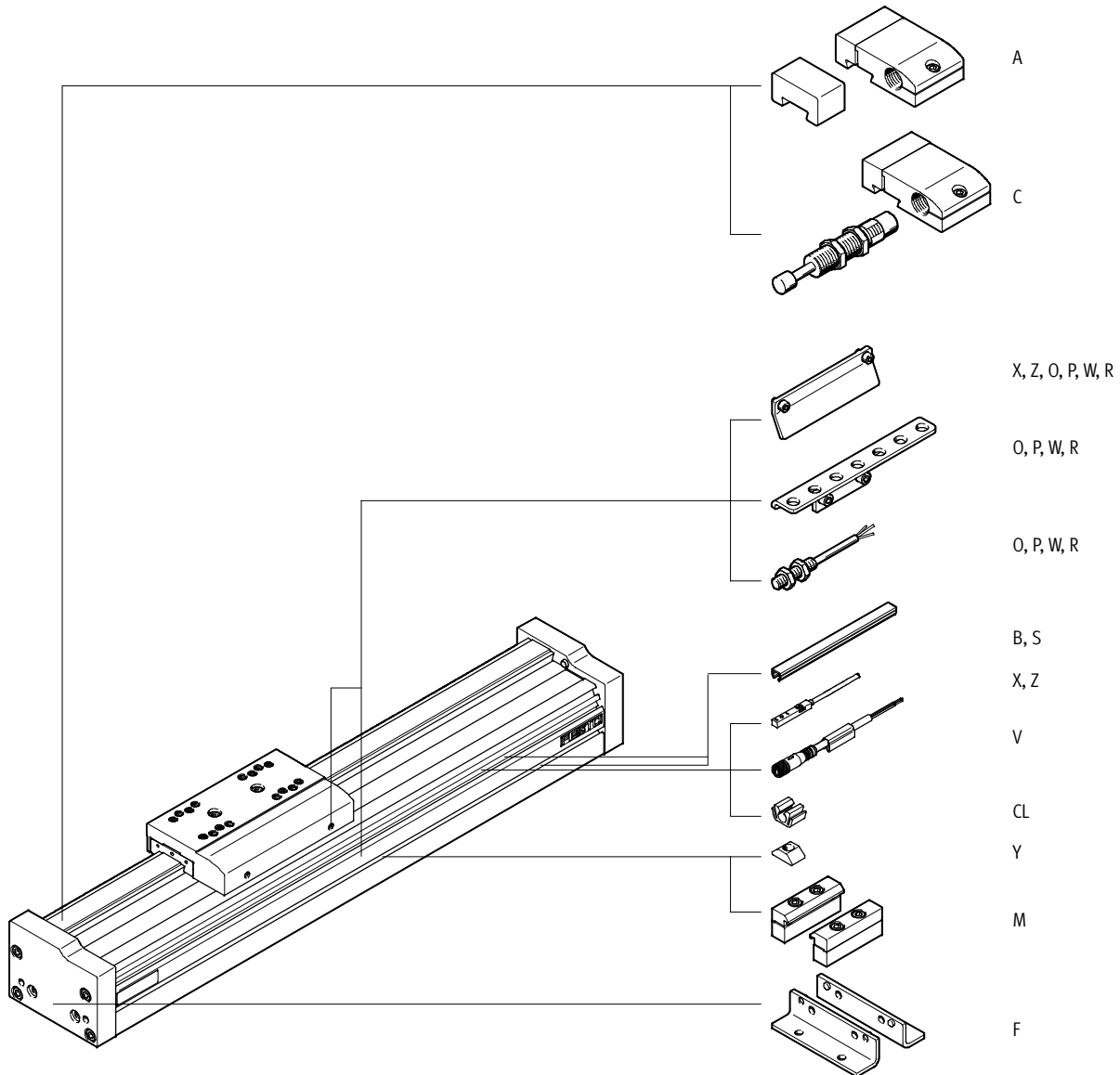
Passive guide axes EGC-FA, without drive

Ordering data – Modular products

FESTO

Order code

Accessories



Passive guide axes EGC-FA, without drive

Ordering data – Modular products

FESTO

Ordering table								
Size	70	80	120	185	Condi- tions	Code	Enter code	
[M] Module No.	558 864	558 865	558 866	558 868				
Design	Passive guide axis					EGC	EGC	
Size	70	80	120	185		-...	-...	
Stroke [mm]	50 ... 5,000	50 ... 8,500	50 ... 8,500	50 ... 8,500	[1]	-...	-...	
Guide	Passive guide axis					-FA	-FA	
Stroke reserve [mm]	0 ... 999 (0 = no stroke reserve)				[1]	-...H		
Slide	Standard slide					-GK		
	Standard slide, protected					-GP		
[O] Additional slide	1 ... 2				[2]	-...K		
Lubrication function	Standard							
	- Lubrication adapter					-C		

[1] -...

The sum of the stroke length and 2x stroke reserve must not exceed the maximum stroke length.

[2] ... **K**

If the protected slide variant (GP) is selected, then the additional slide is also protected.

If the slide with lubrication adapter (GK-C) is selected, then the additional slide (KL, KR) is also supplied with lubrication adapter.

Additional slides (K) cannot be ordered for long strokes → product configurator. Please contact your local contact person at Festo if necessary.

Order code

EGC - - - **FA** - - - - - -

FESTO

Ordering table				70	80	120	185	Condi- tions	Code	Enter code
↓	Accessories		Accessories enclosed separately					ZUB-		ZUB-
0	Foot mounting		1					F		
	Profile mounting		1 ... 50					...M		
	Cover	Mounting slot	1 ... 50 (1 = 2 units, 500 mm)					...B		
		Sensor slot	1 ... 50 (1 = 2 units, 500 mm)					...S		
	Slot nut for mounting slot		1 ... 99					...Y		
	Proximity sensor (SIES), inductive, slot type 8, PNP, incl. switch lug	N/O contact, cable 7.5 m	1 ... 6					... X		
		N/C contact, cable 7.5 m	1 ... 6					... Z		
	Emergency buffer with retainer		1 ... 2				3	... A		
	Shock absorber with retainer		1 ... 2				4	... C		
	Proximity sensor (SIEN), inductive, M8, PNP, incl. switch lug with sensor bracket	N/O contact, cable 2.5 m	1 ... 99					...O		
		N/C contact, cable 2.5 m	1 ... 99					...P		
		N/O contact, plug M8	1 ... 99					...W		
		N/C contact, plug M8	1 ... 99					...R		
	Plug socket with cable 2.5 m, M8, 3-wire		1 ... 99					...V		
	Cable clip		10, 20, 30, 40, 50, 60, 70, 80, 90					...CL		
	Operating instructions		Express waiver - no operating instructions to be included (already available) (operating instructions in PDF format are available free of charge on the Internet at www.festo.com)					-DN		

3 ... **A** Emergency buffer with retainer A cannot be combined with slide GP, GK-C and shock absorber with retainer C.

4 ... **C** Shock absorber with retainer C cannot be combined with slide GP, GK-C and emergency buffer with retainer A.

The code X, Z includes a switch lug in the scope of delivery.

The code O, P, W, R includes one switch lug and max. two sensor brackets in the scope of delivery.

[illegible]

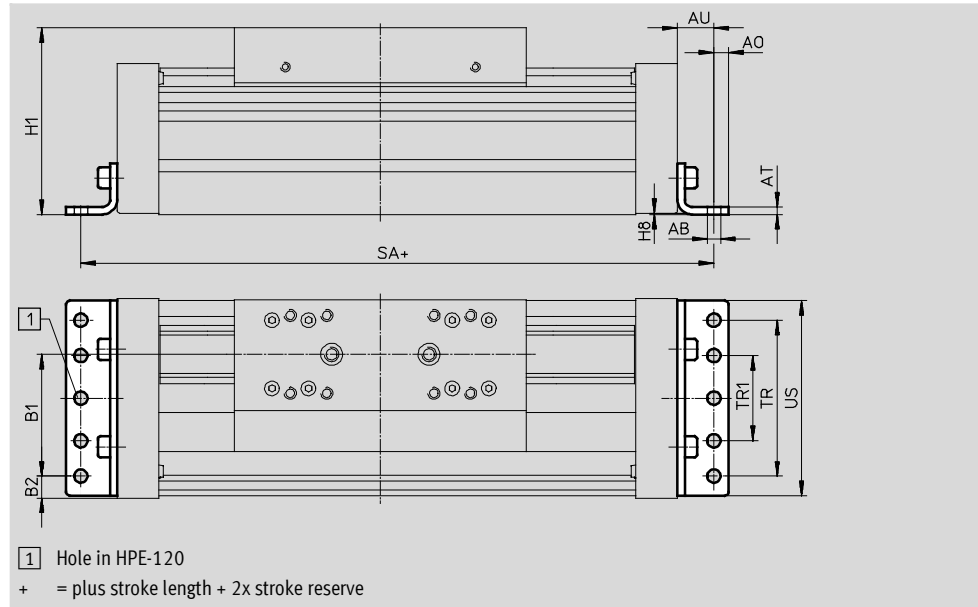
Passive guide axes EGC-FA, without drive

Accessories

FESTO

Foot mounting HPE
(order code F)

Material:
Galvanised steel
RoHS-compliant



Dimensions and ordering data								
For size	AB Ø	A0	AT	AU	B1	B2	H1	H8
70	5.5	6	3	13	37	14.5	64	0.5
80	5.5	6	3	15	38	21	76.5	0.5
120	9	8	6	22	65	20	111.5	0.6
185	9	12	8	25	118	13	172.5	0.5

For size	SA	TR	TR1	US	Weight [g]	Part No.	Type
	GK						
70	189	40	–	67	115	558321	HPE-70
80	220	40	–	80	150	558322	HPE-80
120	350	80	–	116	578	558323	HPE-120
185	456	160	80	182	1,438	558325	HPE-185

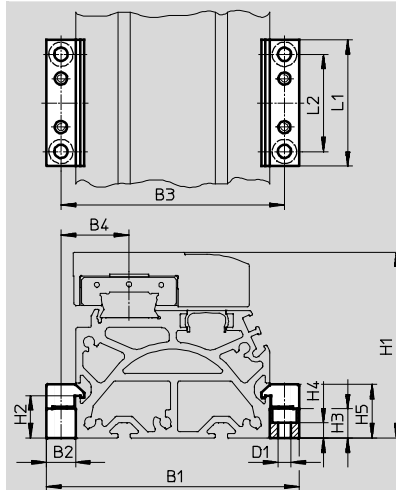
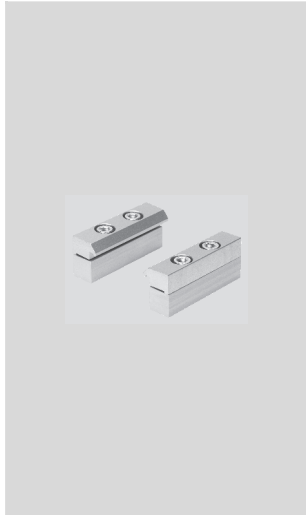
Passive guide axes EGC-FA, without drive

FESTO

Accessories

Profile mounting MUE
(order code M)

Material:
Anodised aluminium
RoHS-compliant



Dimensions and ordering data								
For size	B1	B2	B3	B4	D1 Ø	H1	H2	H3
70	91	12	79	22.5	5.5	64	17.5	12
80	104	12	92	28	5.5	76.5	17.5	12
120	154	19	135	42.5	9	111.5	16	14
185	220	19	201	62.5	9	172.5	16	14

For size	H4	H5	L1	L2	Weight [g]	Part No.	Type
70	6.2	22	52	40	80	558043	MUE-70/80
80	6.2	22	52	40	80	558043	MUE-70/80
120	5.5	29.5	90	40	290	558044	MUE-120/185
185	5.5	29.5	90	40	290	558044	MUE-120/185

Passive guide axes EGC-FA, without drive

Accessories

FESTO

Shock absorber retainer KYE

Emergency buffer NPE → 26

Shock absorber YSRW → 26

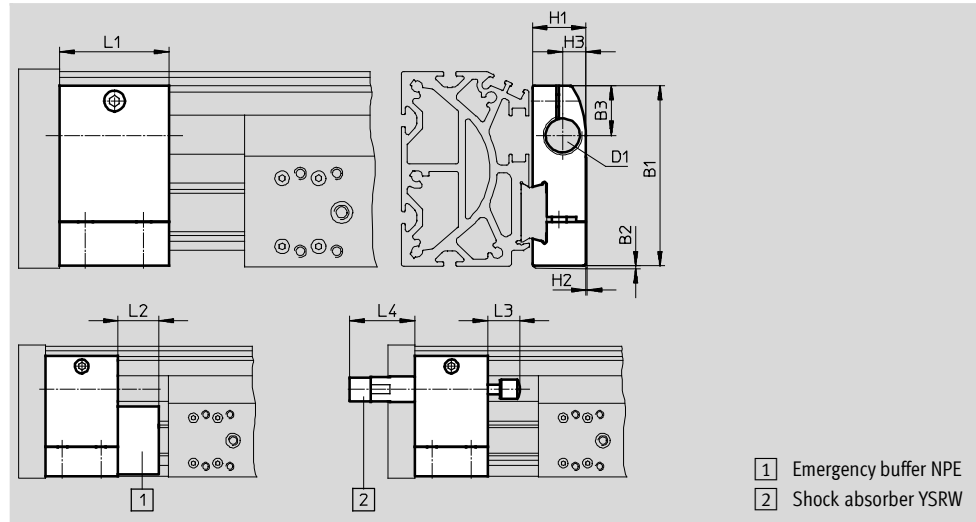
(order code A or C)

Material:

Anodised aluminium

RoHS-compliant

Cannot be used in combination with
the variant GP or GK-C.



Dimensions and ordering data															
For size	B1	B2	B3	D1	H1	H2	H3	L1	L2	L3	L4	Weight [g]	Part No.	Type	
70	57.5	1	16.5	M12X1	18.2	0.5	7.5	30	15	14	32	75	557584	KYE-70	
80	74.2	1	20.5	M16X1	22	0.5	9.5	45	25	20	41	170	557585	KYE-80	
120	108.5	1	26	M22X1.5	31	1	14	60	40	26	48.5	680	557586	KYE-120	
185	168	1	37	M26X1.5	42	4	18	75	60	34	58.5	1,075	557587	KYE-185	

Switch lug SF-EGC-1

for sensing using proximity sensor

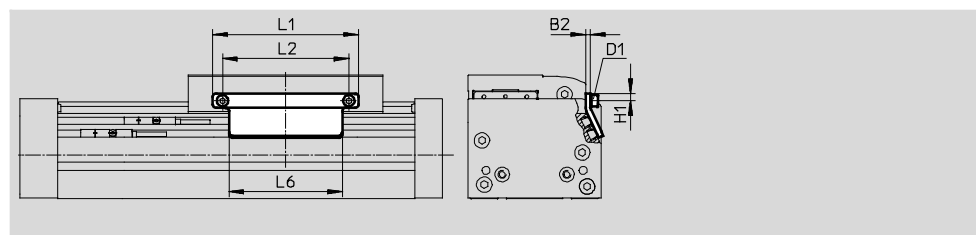
SIES-8M

(order code X or Z)

Material:

Galvanised steel

RoHS-compliant



Dimensions and ordering data										
For size	B2	D1	H1	L1	L2	L6	Weight [g]	Part No.	Type	
70	3	M4	4.65	70	56	50	50	558047	SF-EGC-1-70	
80	3	M4	4.65	90	78	70	60	558048	SF-EGC-1-80	
120	3	M5	8	170	140	170	150	558049	SF-EGC-1-120	
185	3	M5	10	230	200	230	245	558051	SF-EGC-1-185	

Passive guide axes EGC-FA, without drive

FESTO

Accessories

Switch lug SF-EGC-2

for sensing using proximity sensor
SIEN-M8B (order code O, P, W or R) or
SIES-8M (order code X or Z)

Material:

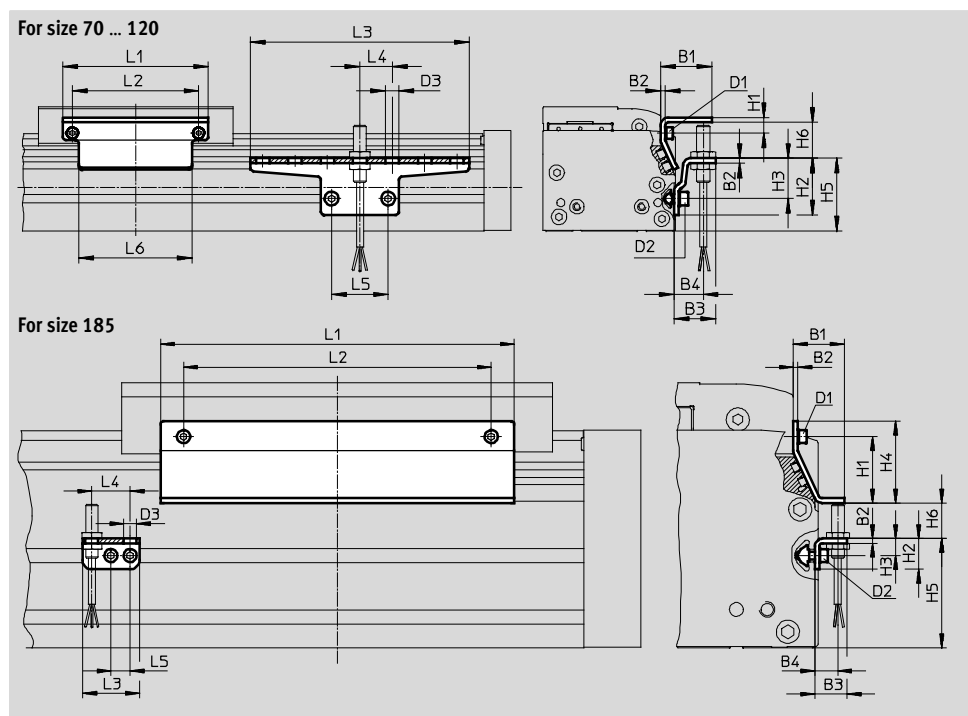
Galvanised steel
RoHS-compliant

Sensor bracket HWS-EGC

for proximity sensor SIEN-M8B
(order code O, P, W or R)

Material:

Galvanised steel
RoHS-compliant



Dimensions and ordering data									
For size	B1	B2	B3	B4	D1	D2	D3 Ø	H1	H2
70	31.5	3	25.5	18	M4	M5	8.4	9.5	35
80	31.5	3	25.5	18	M4	M5	8.4	9.5	35
120	32	3	25.5	18	M5	M5	8.4	13.2	65
185	33	3	25.5	15	M5	M5	8.4	43	20

For size	H3	H4	H5	H6 max.	L1	L2	L3	L4	L5	L6
70	25	–	45	13.5	70	56	135	20	35	50
80	25	–	45	23.5	90	78	135	20	35	70
120	55	–	75	24	170	140	215	20	35	170
185	11	53	71	25.5	230	200	37	25	12.5	230

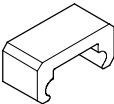
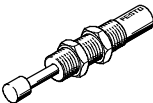
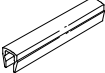
For size	Weight [g]	Part No.	Type
Switch lug			
70	100	558052	SF-EGC-2-70
80	130	558053	SF-EGC-2-80
120	280	558054	SF-EGC-2-120
185	390	558056	SF-EGC-2-185

For size	Weight [g]	Part No.	Type
Sensor bracket			
70	110	558057	HWS-EGC-M5
80	110	558057	HWS-EGC-M5
120	200	570365	HWS-EGC-M8-B
185	60	560517	HWS-EGC-M8-KURZ

Passive guide axes EGC-FA, without drive

Accessories

FESTO

Ordering data						
	For size	Remarks	Order code	Part No.	Type	PU ¹⁾
Emergency buffer NPE						
	70	For use in combination with shock absorber retainer KYE	A	562581	NPE-70	1
	80			562582	NPE-80	
	120			562583	NPE-120	
	185			562584	NPE-185	
Shock absorber YSRW						
	70	For use in combination with shock absorber retainer KYE	C	191194	YSRW-8-14	1
	80			191196	YSRW-12-20	
	120			191197	YSRW-16-26	
	185			191198	YSRW-20-34	
Slot nut NST						
	70, 80	For mounting slot	Y	150914	NST-5-M5	1
	120, 185			150915	NST-8-M6	
Centring pin/sleeve ZBS/ZBH ²⁾						
	70	For slide	–	150928	ZBS-5	10
	80, 120, 185			150927	ZBH-9	
Slot cover ABP						
	70, 80	For mounting slot every 0.5 m	B	151681	ABP-5	2
	120, 185			151682	ABP-8	
Slot cover ABP-S						
	70 ... 185	For sensor slot every 0.5 m	S	563360	ABP-5-S1	2
Clip SMBK						
	70 ... 185	For sensor slot, for securing the proximity sensor cable	CL	534254	SMBK-8	10

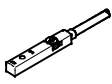
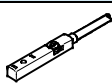
1) Packaging unit quantity

2) 2 centring pins/sleeves included in the scope of delivery of the axis

Passive guide axes EGC-FA, without drive

FESTO

Accessories

Ordering data – Proximity sensors for T-slot, inductive						Technical data ➔ Internet: sies	
	Type of mounting	Electrical connection	Switching output	Cable length [m]	Order code	Part No.	Type
N/O contact							
	Insertable in the slot from above, flush with the cylinder profile	Cable, 3-wire	PNP	7.5	X	551386	SIES-8M-PS-24V-K-7,5-OE
		Plug M8x1, 3-pin		0.3	–	551387	SIES-8M-PS-24V-K-0,3-M8D
		Cable, 3-wire	NPN	7.5	–	551396	SIES-8M-NS-24V-K-7,5-OE
		Plug M8x1, 3-pin		0.3	–	551397	SIES-8M-NS-24V-K-0,3-M8D
N/C contact							
	Insertable in the slot from above, flush with the cylinder profile	Cable, 3-wire	PNP	7.5	Z	551391	SIES-8M-PO-24V-K-7,5-OE
		Plug M8x1, 3-pin		0.3	–	551392	SIES-8M-PO-24V-K-0,3-M8D
		Cable, 3-wire	NPN	7.5	–	551401	SIES-8M-NO-24V-K-7,5-OE
		Plug M8x1, 3-pin		0.3	–	551402	SIES-8M-NO-24V-K-0,3-M8D

Ordering data – Inductive proximity sensors M8						Technical data → Internet: sien	
	Electrical connection	LED	Switching output	Cable length [m]	Order code	Part No.	Type
N/O contact							
	Cable, 3-wire	■	PNP	2.5	O	150386	SIEN-M8B-PS-K-L
	Plug M8x1, 3-pin	■	PNP	–	W	150387	SIEN-M8B-PS-S-L
N/C contact							
	Cable, 3-wire	■	PNP	2.5	P	150390	SIEN-M8B-PO-K-L
	Plug M8x1, 3-pin	■	PNP	–	R	150391	SIEN-M8B-PO-S-L

Ordering data – Connecting cables				Technical data → Internet: nebu	
	Electrical connection, left	Electrical connection, right	Cable length [m]	Part No.	Type
	Straight socket, M8x1, 3-pin	Cable, open end, 3-wire	2.5	159420	SIM-M8-3GD-2,5-PU
			2.5	541333	NEBU-M8G3-K-2.5-LE3
			5	541334	NEBU-M8G3-K-5-LE3
	Angled socket, M8x1, 3-pin	Cable, open end, 3-wire	2.5	541338	NEBU-M8W3-K-2.5-LE3
			5	541341	NEBU-M8W3-K-5-LE3