

Mini slide EGSC-BS

FESTO



Characteristics

At a glance

[Link ↗ egsc-bs](#)

- Four very compact sizes for precise positioning at up to 600 mm/s over max. 200 mm
- Resilient recirculating ball bearing guide of the yoke slide
- Very compact design due to integrated coupling
- Very high-quality ball screw drive with low internal friction
- Rigid, resilient and precise linear guide to absorb lateral forces for increased anti-twist protection
- Ring magnet for position detection. For simple and cost-effective position sensing
- Suitability for the production of Li-ion batteries

Sealing air connection

- Air is exchanged between the cylinder interior and the environment via the sealing air connection. This prevents underpressure or overpressure from developing in the cylinder interior.
- Application of slight negative pressure prevents the emission of particles
- Application of slight overpressure prevents the immission of particles

Engineering Tools

[Link ↗ engineering tools](#)


Save time with engineering tools: Smart engineering for the optimal solution. Our goal is to increase your productivity. Our engineering tools play an integral part in achieving this goal. Throughout the entire value chain, they help you size your system correctly, tap into unimagined productivity reserves or generate additional productivity. In every phase of your project, from initial contact to modernization of your machine, you will come across a number of tools that will prove beneficial to you.

Electric Motion Sizing

- Quickly and reliably to the optimum drive package: Electric Motion Sizing calculates suitable combinations of electric axis, electric motor and servo drive from just a few items of application data. You receive all relevant data for your selected combination, including the bill of materials and documentation. This avoids incorrect designs and results in significantly improved energy efficiency of the system. Consistency right through to Festo Automation Suite also makes commissioning easier for you.

Diagrams

[Link ↗ egsc-bs](#)


The diagrams shown in this document are also available online. There, it is possible to display precise values.

Actuator system

[BS] With ball screw drive

- For applications that require precision
- High reliability and long service life
- For large loads

Guide

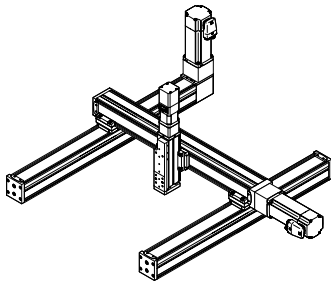
- Very robust and precise guiding principle for transmitting the drive force and moving additional masses
- High moments and forces can be absorbed very well by the guide

Ball screw pitch

The ball screw pitch describes the distance travelled by the ball screw nut per revolution of the ball screw in millimetres.

Characteristics

Overview



- From the single axis to the handling system, such as a cantilever system, planar surface gantry or three-dimensional gantry
- The toothed belt and ball screw axes ELGC and mini slides EGSC form a scalable modular system for compact automation systems
- The common platform architecture creates a consistent program with coordinated interfaces. A large number of systems can be implemented completely without adapter plates
- High-performance drive and guide elements ensure a long service life, load-bearing capacity and reliability
- The uniform and universal range of accessories reduces the effort involved in stock-keeping and designing

Type code

001	Series	
EGSC	Mini slide	
002	Actuator system	
BS	With ball screw drive	
003	Guide	
KF	Ball bearing guide	
004	Size	
25	25	
32	32	
45	45	
60	60	

005	Stroke [mm]	
25	25	
50	50	
75	75	
100	100	
125	125	
150	150	
200	200	
006	Ball screw pitch	
2P	2 mm	
3P	3 mm	
5P	5 mm	
6P	6 mm	
8P	8 mm	
10P	10 mm	
12P	12 mm	

Datasheet

General technical data								
Size	25		32		45		60	
Spindle pitch	2	6	3	8	3	10	5	12
Structural design	Electrical mini-slide, With ball screw							
Guide	Recirculating ball bearing							
Mounting position	Any							
Working stroke	25 mm; 50 mm; 75 mm		25 mm; 50 mm; 75 mm; 100 mm		25 mm; 50 mm; 75 mm; 100 mm; 125 mm; 150 mm		50 mm; 75 mm; 100 mm; 125 mm; 150 mm; 200 mm	
Guide value for payload, horizontal	2 kg		6 kg		12 kg		25 kg	
Guide value for payload, vertical	2 kg		6 kg		12 kg		25 kg	
Max. feed force F_x	20 N		60 N		120 N		250 N	
No-load torque at minimum travel speed	0.005 Nm	0.015 Nm	0.013 Nm	0.025 Nm	0.015 Nm	0.03 Nm	0.032 Nm	0.04 Nm
No-load torque at maximum travel speed	0.015 Nm	0.029 Nm	0.044 Nm	0.042 Nm	0.059 Nm	0.1 Nm	0.125 Nm	0.306 Nm
Max. radial force on actuator shaft	30 N		75 N		180 N		230 N	
Max. rotational speed	4,000 rpm		3,750 rpm		3,600 rpm		3,000 rpm	
Max. acceleration	5 m/s ²	15 m/s ²	5 m/s ²	15 m/s ²	5 m/s ²	15 m/s ²	5 m/s ²	15 m/s ²
Repetition accuracy	±0.015 mm							
Reversing backlash	150 µm							
Position sensing	Via proximity switch							

Operating and ambient conditions	
Ambient temperature ¹⁾	0 ... 50°C
Degree of protection	IP40
Duty cycle	100%
Cleanroom suitability, measured according to ISO 14644-14	Class 9 according to ISO 14644-1
Maintenance interval	Lifetime lubrication

1) Note operating range of proximity switches

Weights				
Size	25	32	45	60
Basic weight with 0 mm stroke ¹⁾	176 g	331 g	608 g	1,555 g
Additional weight per 10 mm stroke	19 g	30 g	63 g	95 g
Moving mass at 0 mm stroke	83 g	149 g	212 g	675 g
Additional moving mass per 10 mm stroke	9 g	12 g	30 g	40 g

1) Incl. slide

Spindle				
Size	25	32	45	60
Screw diameter	6 mm	8 mm	10 mm	12 mm
Spindle pitch	2 mm/U; 6 mm/U	3 mm/U; 8 mm/U	3 mm/U; 10 mm/U	5 mm/U; 12 mm/U

Datasheet

Mass moment of inertia

$$J_A = J_O + J_H \cdot l + J_L \cdot m$$

The mass moment of inertia J of the spindle axis is calculated as follows.

l = Working stroke

m = moving payload

Size	25		32	
Spindle pitch	2 mm/U		3 mm/U	
Mass moment of inertia JO	0.00087 kgcm ²		0.00394 kgcm ²	
Mass moment of inertia JH per meter of stroke	0.00529 kgcm ²		0.02488 kgcm ²	
Mass moment of inertia JL per kg of payload	0.00101 kgcm ²		0.00228 kgcm ²	

Mass moment of inertia

$$J_A = J_O + J_H \cdot l + J_L \cdot m$$

The mass moment of inertia J of the spindle axis is calculated as follows.

l = Working stroke

m = moving payload

Size	45		60	
Spindle pitch	3 mm/U		5 mm/U	
Mass moment of inertia JO	0.01045 kgcm ²		0.06624 kgcm ²	
Mass moment of inertia JH per meter of stroke	0.04918 kgcm ²		0.11539 kgcm ²	
Mass moment of inertia JL per kg of payload	0.00228 kgcm ²		0.00633 kgcm ²	

Homing

Referencing can be performed in two ways:

- against fixed stop
- via reference switch

The following values must be observed:

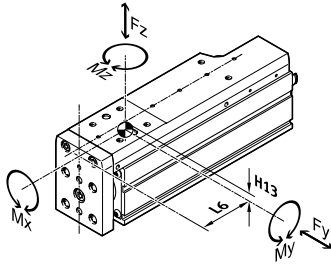
Size	25	32	45	60
Impact energy in the end positions	0.005 mJ	0.009 mJ	0.014 mJ	0.044 mJ

Materials

Housing material	Wrought aluminum alloy, anodized
Material of yoke plate	Wrought aluminum alloy, Wrought aluminum alloy, anodized
Slide material	Wrought aluminum alloy, anodized
Guide rail material	Bearing steel
Slide carriage material	Bearing steel
Spindle material	Bearing steel
Ball screw nut material	Bearing steel
Note on materials	RoHS compliant, RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III, VDMA24364 Zone III
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a), Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils

Datasheet

Permissible forces and torques for the guide calculation with a service life of 5×10^6 cycles and max. stroke



The specified forces and torques refer to the guide center. The point of application is the intersection of the center of the guide and the center of the length of the slide. They must not be exceeded during dynamic operation. Particular attention must be paid to the braking process.

Distance to the center of the guide:

Sizes: 25/32/45/60

Dimension H13: 7.3 mm/7.9 mm/10.2 mm/15.9 mm

Dimension L6: 25.1 mm/31.8 mm/37.3 mm/53.4 mm

Size	25	32	45	60
Max. force Fy	669 N	991 N	1,314 N	4,937 N
Max. force Fz	669 N	991 N	1,314 N	4,937 N
Max. torque Mx	2 Nm	3.4 Nm	8.1 Nm	20 Nm
Max. torque My	2.1 Nm	3.2 Nm	7 Nm	30 Nm
Max. torque Mz	2.1 Nm	3.2 Nm	7 Nm	30 Nm

Calculation of the load-comparison factor

$$f_v = \frac{|F_{y1}|}{F_{y2}} + \frac{|F_{z1}|}{F_{z2}} + \frac{|M_{x1}|}{M_{x2}} + \frac{|M_{y1}|}{M_{y2}} + \frac{|M_{z1}|}{M_{z2}} \leq 1$$

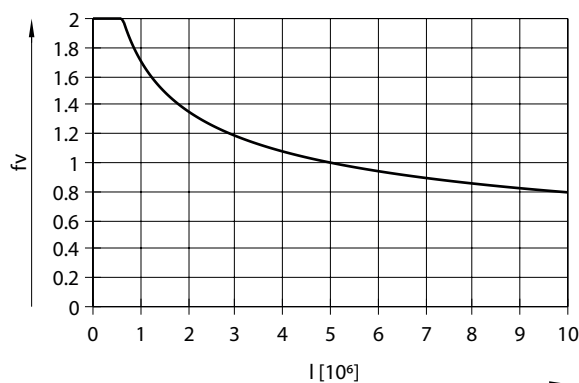
If the axis is subjected to several of the indicated forces and torques at the same time, the following equation must be satisfied in addition to the indicated maximum loads.

For a guide system to have a service life of 5×10^6 cycles, the load comparison factor must have a value of $f_v < 1$, based on the maximum permissible forces and torques for a service life of 5×10^6 cycles. This formula can be used to calculate a guide value. The sizing software „Electric Motion Sizing“ is available for more precise calculations.

F1 / M1 = dynamic value

F2 / M2 = maximum value

Service life of the guide



The service life of the guide depends on the load. To be able to provide an indication of the service life, the graph below shows the load comparison factor f_v in relation to the service life.

These values are only theoretical. You need to consult your local Festo contact for a load comparison factor f_v greater than 1.

Example:

A user wants to move a load of X kg. The calculation results in a value of 1.5 for the load comparison factor f_v . According to the diagram, the guide has a service life of approx. 1.5×10^6 cycles. Reducing the acceleration reduces the value of M_z and M_y . A load comparison factor f_v of 1 now results in a service life of 5×10^6 cycles.

Datasheet

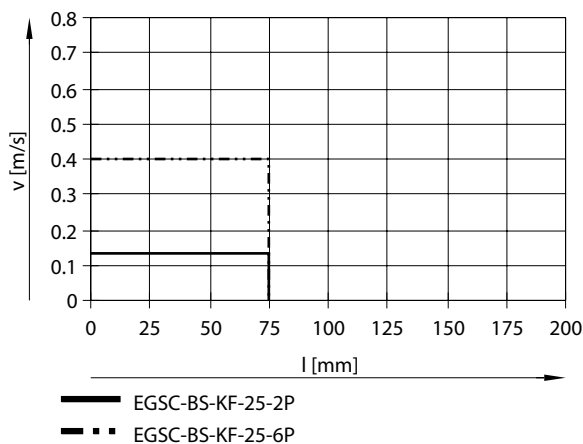
Permissible forces and torques at a theoretical service life of 100 km (pure load on the guide)

The characteristic load values of bearing guides are standardized according to ISO and JIS by dynamic and static forces and torques. These forces and torques are based on an expected service life of the guide system of 100 km according to ISO or 50 km according to JIS. Due to the dependence of the characteristic load values on the service life, the max. permissible forces and torques at a service life of 5000 km cannot be compared with the dynamic forces and torques of bearing guides according to ISO/JIS.

For easier comparison of the guide capacity of ELGC linear axes with bearing guides, the following table shows the theoretically permissible forces and torques for a calculated service life of 100 km. This corresponds to the dynamic forces and moments according to ISO. These 100 km values are determined purely by calculation and are used solely for comparability with dynamic forces and moments according to ISO. The drives must not be loaded with these characteristic values, since this can lead to damage to the axes.

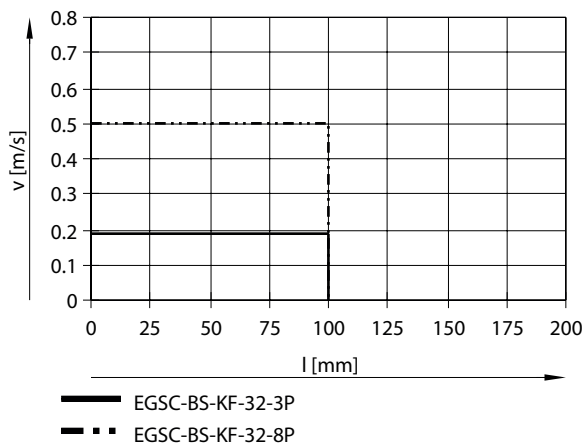
Size	25	32	45	60
F _y with theoretical service life of 100 km (from a guide perspective only)	1,310 N	2,135 N	3,240 N	13,400 N
F _z with theoretical service life of 100 km (from a guide perspective only)	1,310 N	2,135 N	3,240 N	13,400 N
M _x with theoretical service life of 100 km (from a guide perspective only)	5 Nm	10 Nm	20 Nm	107 Nm
M _y with theoretical service life of 100 km (from a guide perspective only)	4 Nm	7 Nm	17 Nm	117 Nm
M _z with theoretical service life of 100 km (from a guide perspective only)	4 Nm	7 Nm	17 Nm	117 Nm

Speed v as a function of stroke l for size 25

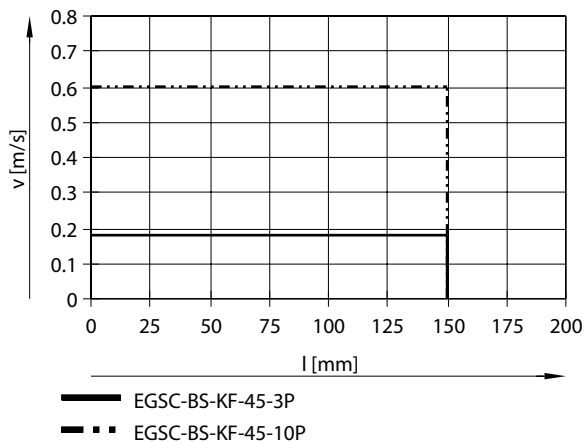


Datasheet

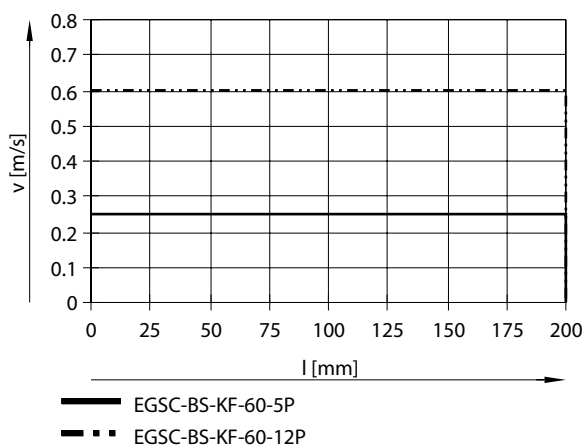
Speed v as a function of stroke l for size 32



Speed v as a function of stroke l for size 45

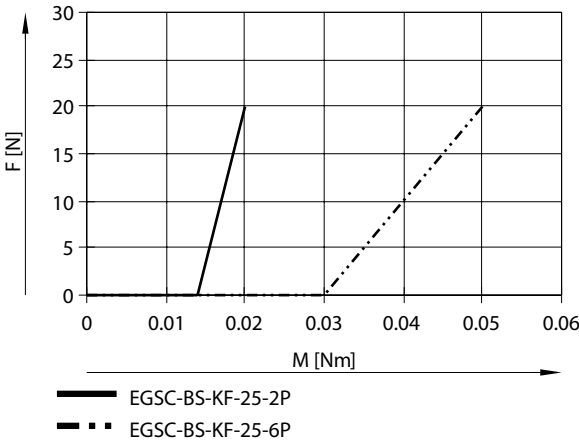


Speed v as a function of stroke l for size 60

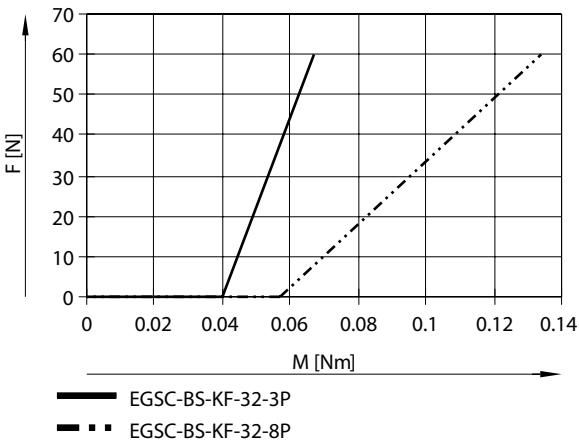


Datasheet

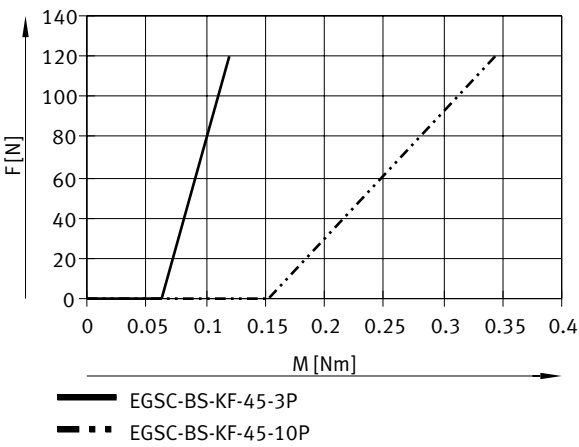
Feed force F as a function of input torque M for size 25



Feed force F as a function of input torque M for size 32

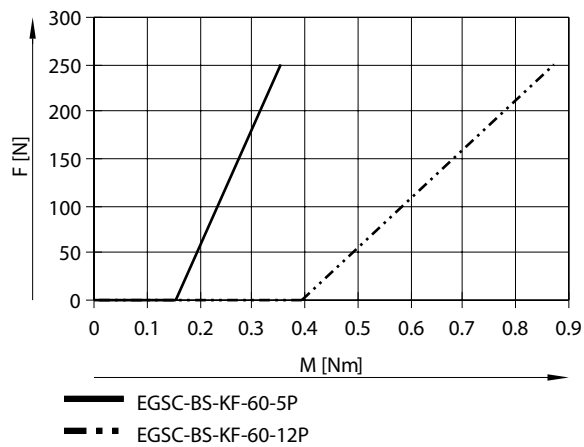


Feed force F as a function of input torque M for size 45

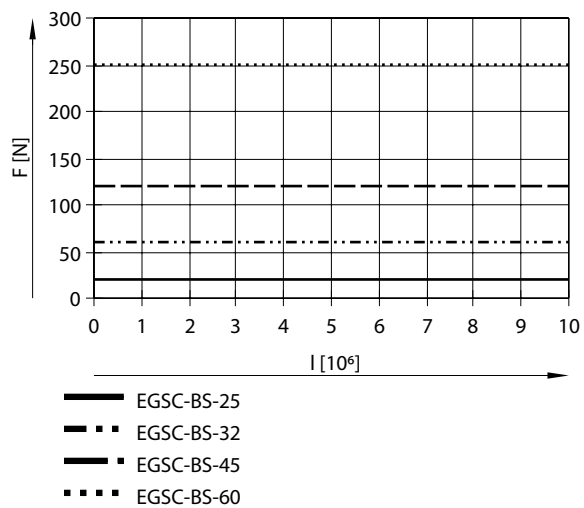


Datasheet

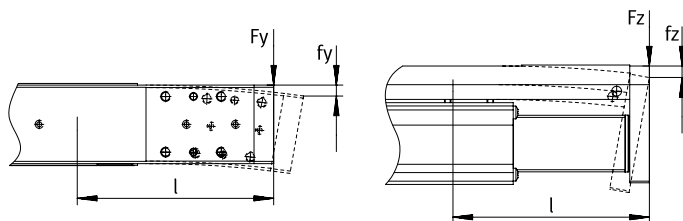
Feed force F as a function of input torque M for size 60



Feed force F as a function of service life l

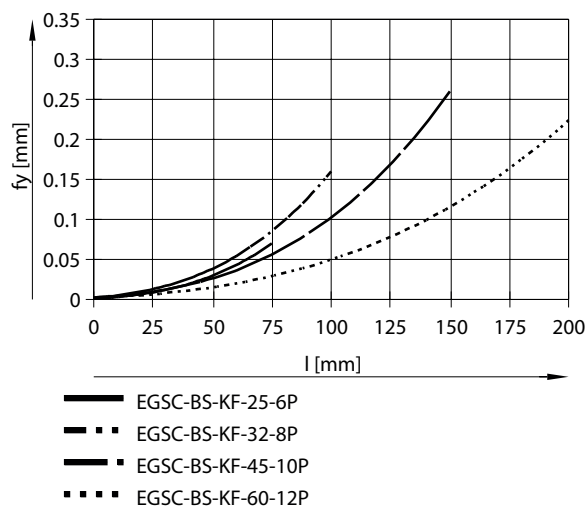


Deflection f on the guide rail as a function of stroke l



Datasheet

Deflection f_y



F_y for which the characteristic curves were determined:

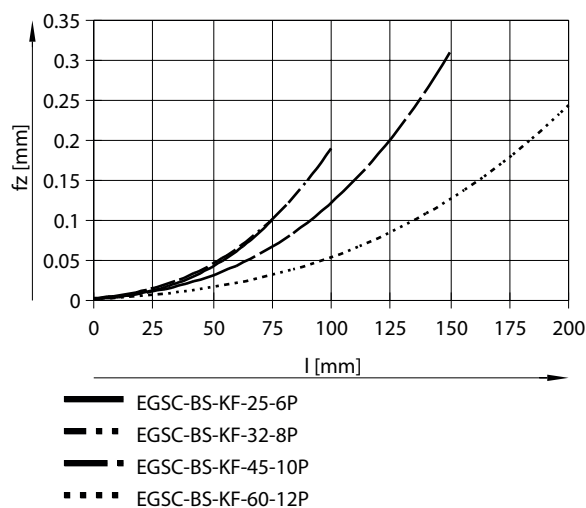
EGSC-BS-25: 10 N

EGSC-BS-32: 20 N

EGSC-BS-45: 40 N

EGSC-BS-60: 60 N

Deflection f_z



F_z for which the characteristic curves were determined:

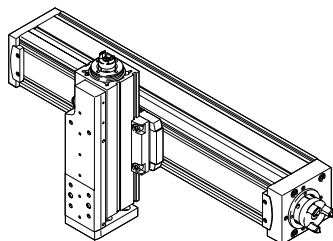
EGSC-BS-25: 10 N

EGSC-BS-32: 20 N

EGSC-BS-45: 40 N

EGSC-BS-60: 60 N

Combinations between axis ELGC, ELGS, mini slide EGSC-BS, EGSS-BS, electric cylinder EPCC, EPCS and guide axis ELFC



Mounting options with profile mounting EAHF-L2-...-P-D

- Mounting option: Base axis with next smaller assembly axis

1. Base axis:

Product: ELGC, ELGS, ELFC

Size 32, 45, 60, 80

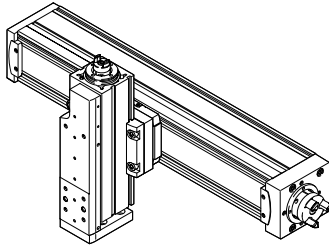
2. Assembly axis:

Product: ELGC, ELGS, EGSC, EGSS, EPCC, EPCS, ELFC

Size 25, 32, 45, 60

Datasheet

Combinations between axis ELGC, ELGS, mini slide EGSC-BS, EGSS-BS, electric cylinder EPCC, EPCS and guide axis ELFC



Mounting options with adapter kit EHAA-D-L2

- Mounting option: Base axis with assembly axis of the same size
- Mounting option: Base axis with height offset for the next smaller assembly axis
- When motors are mounted using parallel kits, interfering contours may occur. In this case, the adapter plate is required for height offset

1. Base axis:

Product: ELGC, ELGS, ELFC

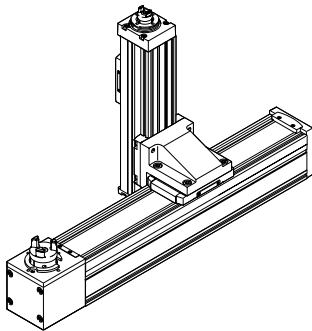
Size 32, 45, 60, 80

2. Assembly axis:

Product: ELGC, ELGS, EGSC, EGSS, EPCC, EPCS, ELFC

Size 25, 32, 45, 60, 80

Combinations between axis ELGC, ELGS, mini slide EGSC-BS, EGSS-BS, electric cylinder EPCC, EPCS and guide axis ELFC



Mounting options with angle kit EHAA-D-L2-...-AP

- Mounting option: Base axis with next smaller assembly axis

1. Base axis:

Product: ELGC, ELGS, ELFC

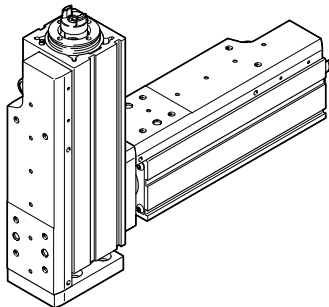
Size 32, 45, 60, 80

2. Assembly axis:

Product: ELGC, ELGS, EGSC, EGSS, EPCC, EPCS, ELFC

Size 25, 32, 45, 60

Combinations between mini slides EGSC-BS, EGSS-BS



Mounting options with direct fastening

- Mounting option: Base axis with assembly axis of the same size

1. Base axis:

Product: EGSC, EGSS

Size 25, 32, 45, 60

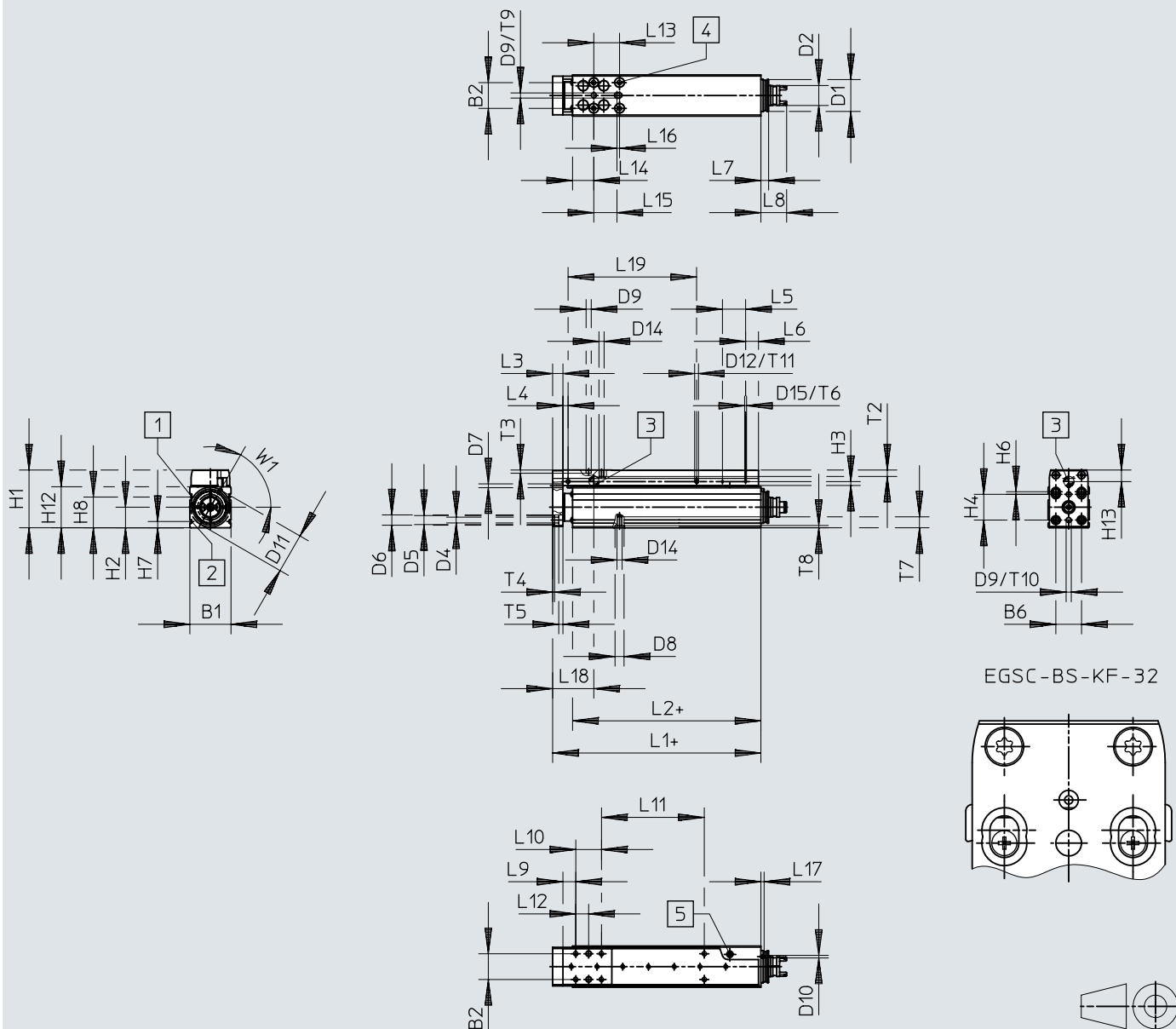
2. Assembly axis:

Product: EGSC, EGSS

Size 25, 32, 45, 60

Dimensions

Dimensions – Sizes 25/32/45

Download CAD data www.festo.com


EGSC-BS-KF-32

- [1] = Slot for sensor bracket
- [2] = Mounting slot
- [3] Guide center
- [4] Mounting thread closed on delivery

Dimensions

	B1 ±0,15	B2	B6	D1 Ø	D2 ¹⁾ Ø	D4 Ø H13	D5 Ø H7	D6 Ø H13	D7 Ø	D8 Ø H7	D9 Ø H8	D10 Ø	D11 Ø	D12 Ø
EGSC-BS-KF-25	25	17	17	20,5	10,8	3,4	5	6	2,5	5	2	2	25	3
EGSC-BS-KF-32	32	20	20	25	15,5	4,5	7	8	3	7	4	2	31	3
EGSC-BS-KF-45	45	25	25	32	16,3	5,5	7	10	3	7	5	3	41	3

	D14	D15	H1	H2	H3	H4	H6	H7	H8	H12 ±0,15	H13	L1	L2	L3 +0,2
EGSC-BS-KF-25	M3	M1,6	36,5	12,5	2,5	17	–	4,9	20,5	25	7,6	53,6	42	6
EGSC-BS-KF-32	M4	M1,6	45	16	3	20	2	4,9	24	32	8,4	62	46,5	8
EGSC-BS-KF-45	M5	M2	60,5	22,5	3	25	–	6,1	28,5	45	10,7	73,8	54,5	10

	L4	L5 ±0,1	L6	L7	L8	L9	L10	L12	L13	L14	L15	L16	L17
EGSC-BS-KF-25	4	18	6	5	15	10	17	8,5	17	13,5	16,5	1	2,5
EGSC-BS-KF-32	4	18	10	6	19,9	10	20	10	20	16,5	18	2	2,5
EGSC-BS-KF-45	4	24	12	6	19,9	15	25	12,5	25	17,5	24	2	2

	L18	T2	T3 +0,1	T4 +0,1	T5	T6	T7	T8 +0,1	T9 +0,1	T10 +0,1	T11 –0,2	W1	≈ 1
EGSC-BS-KF-25	25,1	4,5	2,6	1,3	3,2	2	6	1,3	2,1	3,1	2	60°	6
EGSC-BS-KF-32	31,8	5	2,6	1,6	3,2	1,5	8,5	1,8	2,6	2,6	1,5	60°	6
EGSC-BS-KF-45	37,3	6	1,3	1,6	5,4	4	7	1,8	1,3	1,3	5	60°	12

	L ²⁾	L19	L11
EGSC-BS-KF-25	25	25	0
	50	50	33
	75	75	58
EGSC-BS-KF-32	25	25	0
	50	50	30
	75	75	55
	100	100	80
EGSC-BS-KF-45	25	25	0
	50	50	25
	75	75	50
	100	100	75
	125	125	100
	150	150	125

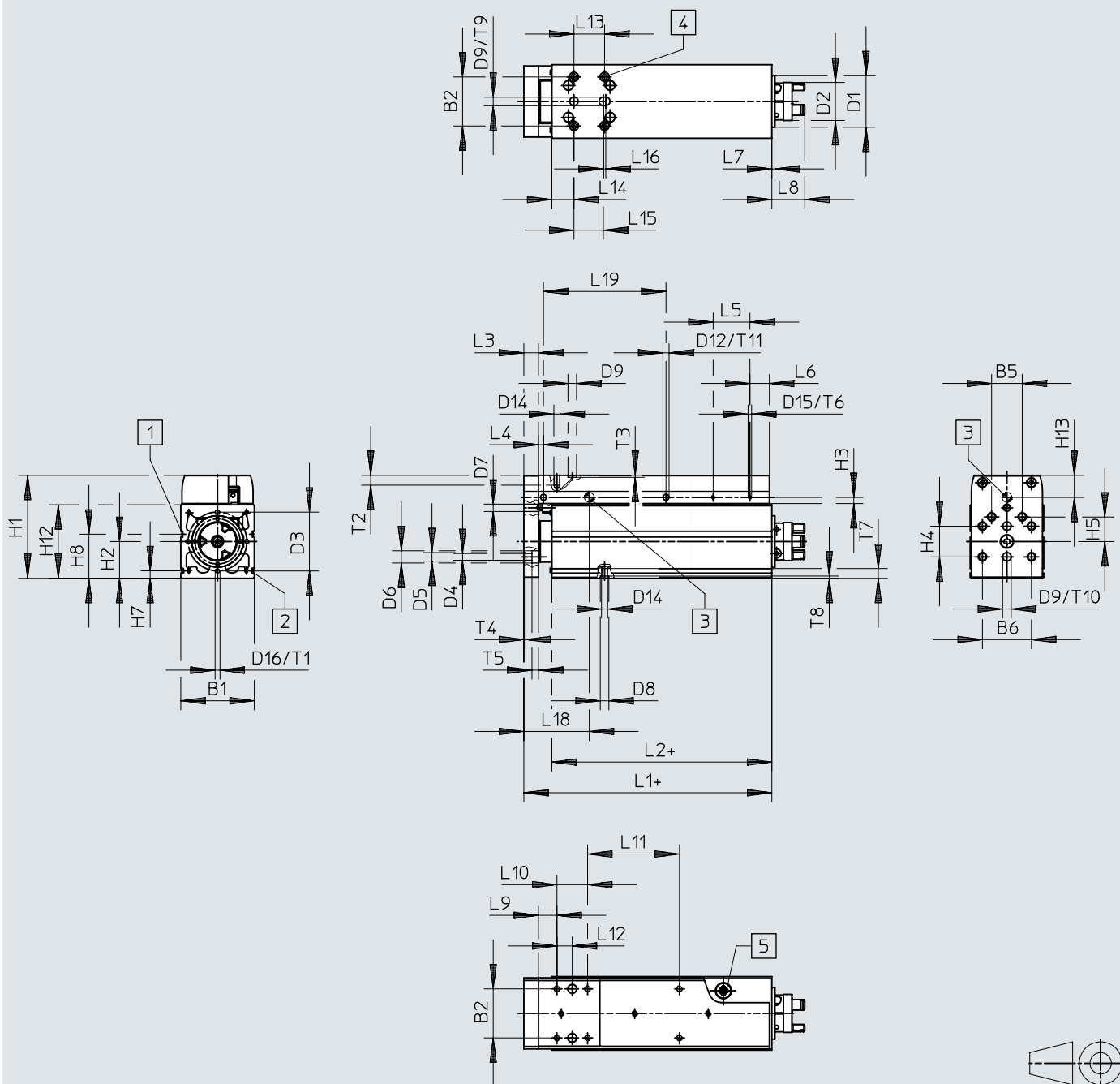
1) Coupling diameter or interference circuit diameter clamping screw

2) Stroke

Dimensions

Dimensions – Size 60

Download CAD data www.festo.com



- [1] = Slot for sensor bracket
- [2] = Mounting slot
- [3] Guide center
- [4] Mounting thread closed on delivery

Dimensions

	B1 ±0,15	B2	B5	B6	D1 Ø	D2 ¹⁾ Ø	D3 Ø	D4 Ø H13	D5 Ø H7	D6 Ø H13	D7 Ø	D8 Ø H7	D9 Ø H8
EGSC-BS-KF-60	60	40	25	40	42	31,4	48	5,5	7	10	6	7	7

	D12 Ø	D13	D14	D15	D16	H1	H2	H3	H4	H5	H7	H8	H12 ±0,15	H13
EGSC-BS-KF-60	5	M4	M5	M3	M4	84	30	5	25	20	6,1	36	60	16,4

	L1	L2	L3 +0,2	L4	L5 ±0,1	L6	L7	L8	L9	L10	L12	L13	L14	L15
EGSC-BS-KF-60	102,4	79,5	12	4	30	16	2,5	26,9	15	25	12,5	25	30	24

	L16	L18	T1	T2	T3 +0,1	T4 +0,1	T5	T6	T7	T8 +0,1	T9 +0,1	T10 +0,1	T11 -0,2	≈ 1
EGSC-BS-KF-60	2	53,4	10	8	1,6	1,6	5,4	6	8	1,8	1,6	1,6	5	15

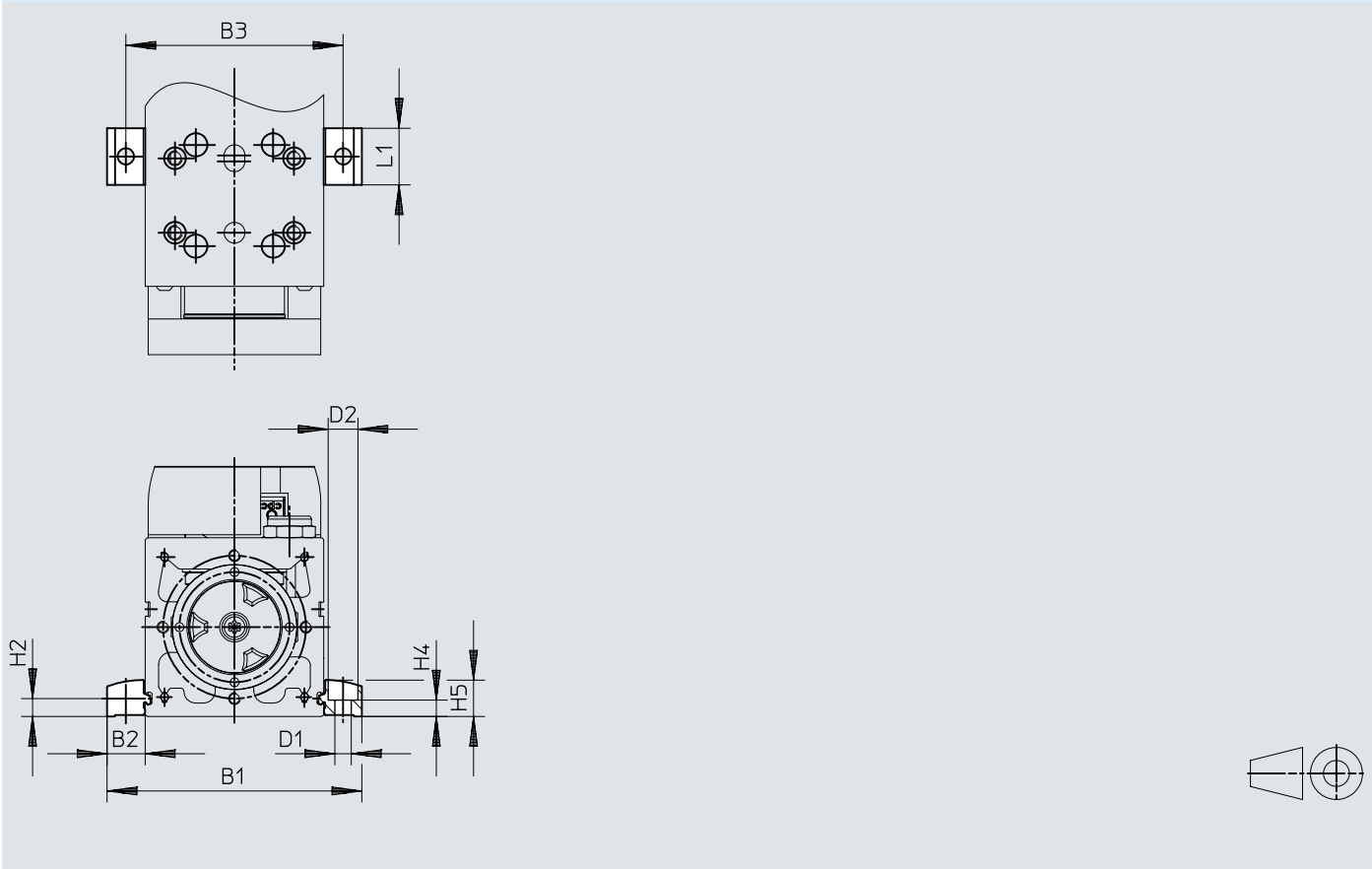
	L ²⁾	L19	L11
EGSC-BS-KF-60	50	50	25
	75	75	50
	100	100	75
	125	125	100
	150	150	125
	200	200	175

1) Coupling diameter or interference circuit diameter clamping screw

2) Stroke

Dimensions

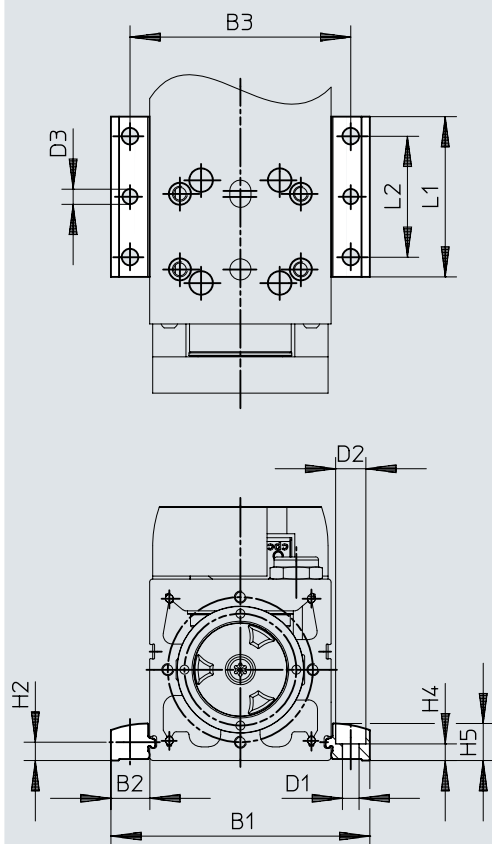
Dimensions – EAHF-L2-...-P-S profile mounting Download CAD data www.festo.com



		B1	B2	B3	D1 Ø H13	D2 Ø H13	H2	H4 ±0,1	H5	L1
EAHF-L2-25-P-S	EGSC-BS-KF-25	44,4	9,7	35	4,5	8	4,9	4,2	9	19
	EGSC-BS-KF-32	51,4	9,7	42	4,5	8	4,9	4,2	9	19
EAHF-L2-45-P-S	EGSC-BS-KF-45	70,6	12,8	58	5,5	10	6,1	5,5	12,2	19
	EGSC-BS-KF-60	85,6	12,8	73	5,5	10	6,1	5,5	12,2	19

Dimensions

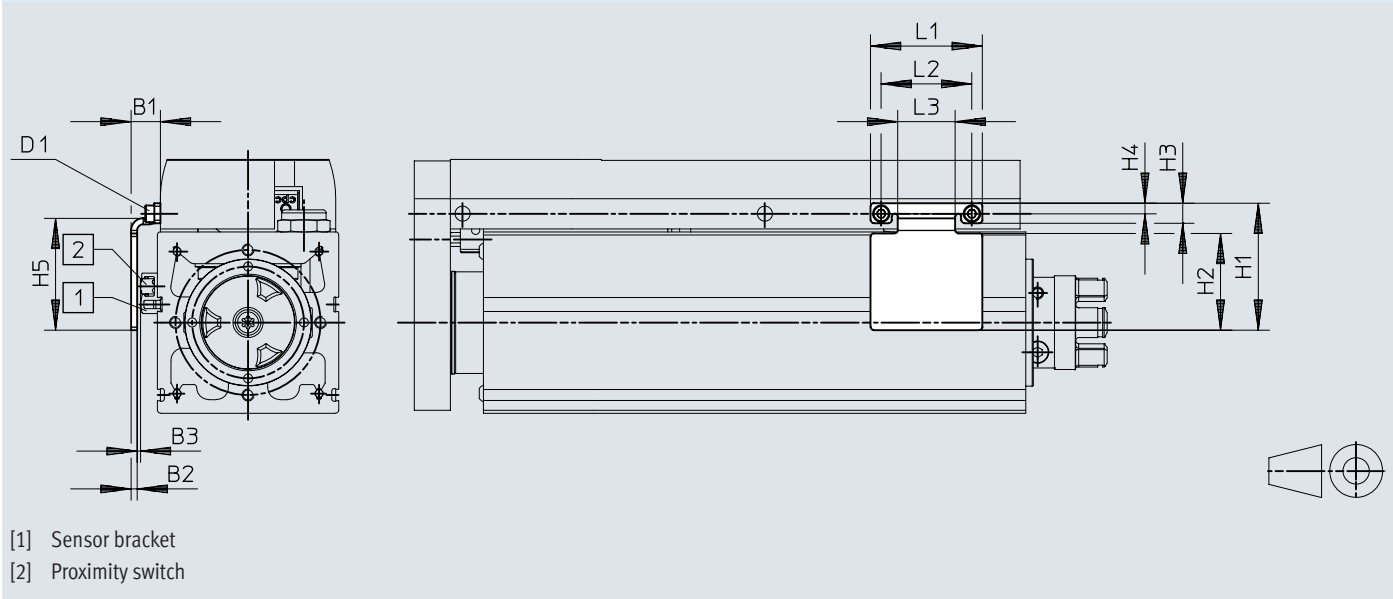
Dimensions – EAHF-L2-...-P profile mounting

[Download CAD data](#) www.festo.com


		B1	B2	B3	D1 ø H13	D2 ø H13	D3 ø	H2	H4 ±0,1	H5	L1	L2
EAHF-L2-25-P	EGSC-BS-KF-25	44,4	9,7	35	4,5	8	4	4,9	4,2	9	53	40
	EGSC-BS-KF-32	51,4	9,7	42	4,5	8	4	4,9	4,2	9	53	40
EAHF-L2-45-P	EGSC-BS-KF-45	70,6	12,8	58	5,5	10	5	6,1	5,5	12,2	53	40
	EGSC-BS-KF-60	85,6	12,8	73	5,5	10	5	6,1	5,5	12,2	53	40

Dimensions

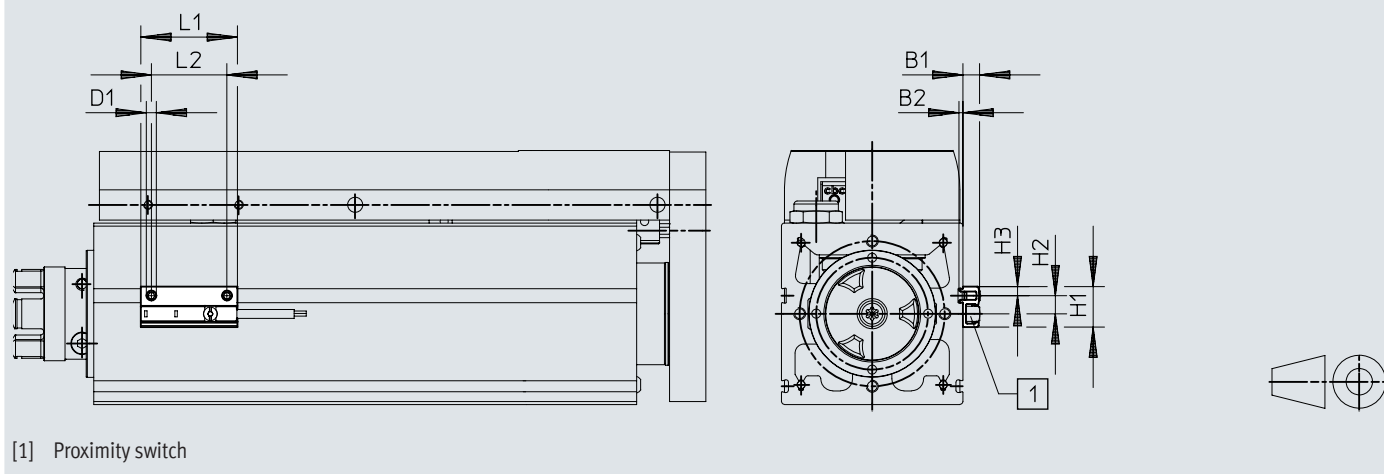
Dimensions – Switch lug EAPM-...-SLS Download CAD data www.festo.com



		B1	B2	B3	D1	H1	H2	H3	H4	H5	L1	L2	L3
EAPM-E19-25-SLS	EGSC-BS-KF-25	9,2	2	1,0±0,32	M1,6	21	13	4,3	2,5	18	22	18	10
EAPM-L2-32-SLS	EGSC-BS-KF-32	9,2	2	1,0±0,26	M1,6	27	19	4,3	2,5	24	22	18	10
EAPM-L2-45-SLS	EGSC-BS-KF-45	9,4	2	0,7±0,26	M2	37	28	5,5	3,3	33	30	24	14
EAPM-L2-60-SLS	EGSC-BS-KF-60	9,7	2	0,7±0,31	M3	42	32	6,6	3,5	37	37	30	19

Dimensions

Dimensions – Sensor bracket EAPM-L2

[Download CAD data](#) www.festo.com


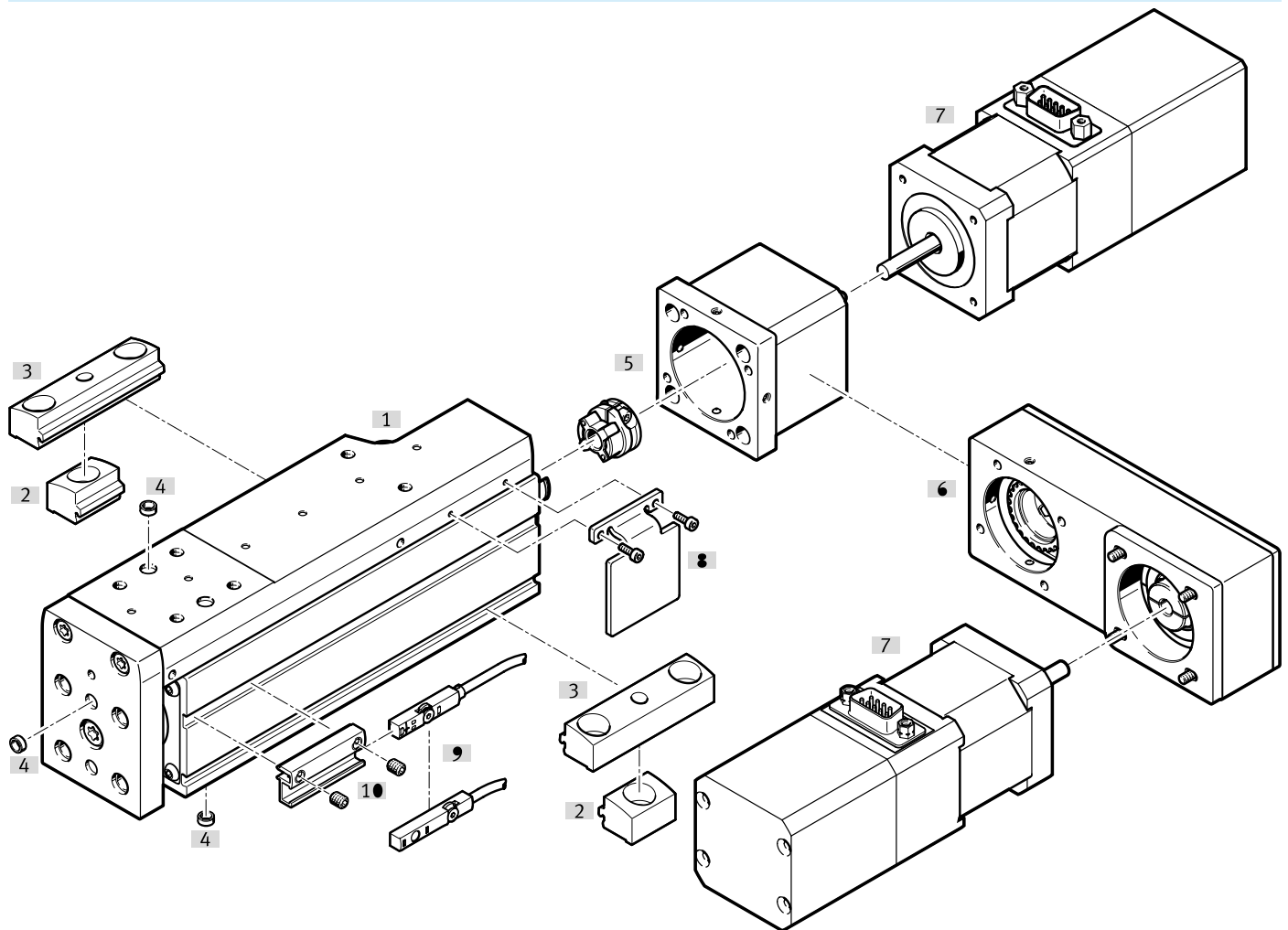
		B1	B2	D1	H1	H2	H3	L1	L2
EAPM-L2-SH	EGSC-BS-KF-25	5,5	1,3	M4	13,4	6	3	32	25
	EGSC-BS-KF-32								
	EGSC-BS-KF-45								
	EGSC-BS-KF-60								

Ordering data

with recirculating ball bearing guide				
Size	Spindle pitch	Working stroke	Part no.	Type
25	2 mm/U	25 mm	8162069	EGSC-BS-KF-25-25-2P
		50 mm	8162070	EGSC-BS-KF-25-50-2P
		75 mm	8162071	EGSC-BS-KF-25-75-2P
	6 mm/U	25 mm	8048310	EGSC-BS-KF-25-25-6P
		50 mm	8048311	EGSC-BS-KF-25-50-6P
		75 mm	8061280	EGSC-BS-KF-25-75-6P
32	3 mm/U	25 mm	8162073	EGSC-BS-KF-32-25-3P
		50 mm	8162074	EGSC-BS-KF-32-50-3P
		75 mm	8162075	EGSC-BS-KF-32-75-3P
		100 mm	8162072	EGSC-BS-KF-32-100-3P
	8 mm/U	25 mm	8048306	EGSC-BS-KF-32-25-8P
		50 mm	8048307	EGSC-BS-KF-32-50-8P
		75 mm	8048308	EGSC-BS-KF-32-75-8P
		100 mm	4356032	EGSC-BS-KF-32-100-8P
45	3 mm/U	25 mm	8162079	EGSC-BS-KF-45-25-3P
		50 mm	8162080	EGSC-BS-KF-45-50-3P
		75 mm	8162081	EGSC-BS-KF-45-75-3P
		100 mm	8162076	EGSC-BS-KF-45-100-3P
		125 mm	8162077	EGSC-BS-KF-45-125-3P
		150 mm	8162078	EGSC-BS-KF-45-150-3P
	10 mm/U	25 mm	8048300	EGSC-BS-KF-45-25-10P
		50 mm	8048301	EGSC-BS-KF-45-50-10P
		75 mm	8048302	EGSC-BS-KF-45-75-10P
		100 mm	4022926	EGSC-BS-KF-45-100-10P
		125 mm	8048303	EGSC-BS-KF-45-125-10P
		150 mm	8048304	EGSC-BS-KF-45-150-10P
60	5 mm/U	50 mm	8162086	EGSC-BS-KF-60-50-5P
		75 mm	8162087	EGSC-BS-KF-60-75-5P
		100 mm	8162082	EGSC-BS-KF-60-100-5P
		125 mm	8162083	EGSC-BS-KF-60-125-5P
		150 mm	8162084	EGSC-BS-KF-60-150-5P
		200 mm	8162085	EGSC-BS-KF-60-200-5P
	12 mm/U	50 mm	8048362	EGSC-BS-KF-60-50-12P
		75 mm	8048363	EGSC-BS-KF-60-75-12P
		100 mm	4356469	EGSC-BS-KF-60-100-12P
		125 mm	8048364	EGSC-BS-KF-60-125-12P
		150 mm	8048365	EGSC-BS-KF-60-150-12P
		200 mm	8048366	EGSC-BS-KF-60-200-12P

Peripherals overview

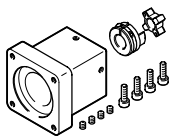
Peripherals overview



Accessories		→ Page/Internet
Type/order code	Description	
[1] Mini slide EGSC-BS	egsc	egsc
[2] EAHF-L2-...-P-S profile mounting	For fastening the axis, on the side of the profile	24
[3] EAHF-L2-...-P profile mounting	For fastening the axis, on the side of the profile. The hole in the middle allows the profile mounting to be fixed to the mounting surface	24
[4] ZBS centering sleeve	For centering loads and attachments on the slide	25
[4] ZBH centering pin	For centering loads and attachments on the slide	25
[5] Axial kit EAMM-A	For axial motor mounting More detailed information → www.festo.com/x/electric-motion-sizing	eamm-a
[6] Parallel kit EAMM-U	For parallel motor mounting More detailed information → www.festo.com/x/electric-motion-sizing	eamm-u
[7] Motor EMMS-ST	Motors specially matched to the axis More detailed information → www.festo.com/x/electric-motion-sizing	emms-st
[8] EAPM-L2-...-SLS switch lug	For sensing the slide position in conjunction with SIES-8M inductive proximity sensors	24
[9] SIES-8M proximity switch	Inductive proximity sensors, for T-slot	25
[9] Proximity switch SMT-8M	Magnetic proximity switches, for T-slot	26
[10] EAPM-L2-SH sensor bracket	For fastening the proximity switches to the axis. The proximity switches can only be fastened with the sensor bracket	24

Accessories

Permitted axis/motor combinations for axial and parallel kits



Under the following links, you will find all the information on:

- Axis/motor combinations
- Permitted third-party motors
- Technical data
- Dimensions

For axial kits → Internet: www.festo.com/catalogue/eamm-a

For parallel kits → Internet: www.festo.com/catalogue/eamm-u

Profile mounting EAHF-L2-...-P-S

	Description	Suitability for the production of Li-ion batteries ¹⁾	Plate material	Product weight	Part no.	Type
	for sizes 25 and 32	F1a	Wrought aluminum alloy, anodized	4 g	5183153	EAHF-L2-25-P-S
	for size 45, 60			6 g	5184133	EAHF-L2-45-P-S

1) Further information www.festo.com/x/topic/bat

Profile mounting EAHF-L2-...-P

	Description	Suitability for the production of Li-ion batteries ¹⁾	Plate material	Product weight	Part no.	Type
	for sizes 25 and 32	F1a	Wrought aluminum alloy, anodized	19 g	4835684	EAHF-L2-25-P
	for size 45, 60			35 g	4835728	EAHF-L2-45-P

1) Further information www.festo.com/x/topic/bat

Switch lug EAPM-L2-SLS

	Description	Suitability for the production of Li-ion batteries ¹⁾	Switch lug material	Product weight	Part no.	Type
	for size 25	F1a		8 g	8067258	EAPM-E19-25-SLS
	for size 32			10 g	8067259	EAPM-L2-32-SLS
	for size 45			18 g	8067260	EAPM-L2-45-SLS
	for size 60			27 g	8067261	EAPM-L2-60-SLS

1) Further information www.festo.com/x/topic/bat

Sensor bracket EAPM-L2-SH

	Description	Suitability for the production of Li-ion batteries ¹⁾	Sensor holder material	Product weight	Part no.	Type
	for sizes 25, 32, 45, 60	F1a	Wrought aluminum alloy, anodized	4 g	4759852	EAPM-L2-SH

1) Further information www.festo.com/x/topic/bat

Accessories

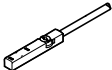
ZBS-2 centering pin						
	Description	Sleeve material	Pack size	Product weight	Part no.	Type
	for size 25	Steel	10	1 g	525273	ZBS-2

ZBS-4 centering pin						
	Description	Sleeve material	Pack size	Product weight	Part no.	Type
	For size 32	high-alloy stainless steel	10	0.5 g	562959	ZBS-4

Centering sleeve ZBH-5						
	Description	Sleeve material	Pack size	Product weight	Part no.	Type
	for sizes 25, 45	Steel	10	1 g	8146543	ZBH-5-B

Centering sleeve ZBH-7						
	Description	Sleeve material	Pack size	Product weight	Part no.	Type
	For sizes 32, 45, 60	Steel	10	1 g	8146544	ZBH-7-B

QSM push-in fitting						
	Description	Housing material	Pack size	Product weight	Part no.	Type
	for size 25, 32	Brass, nickel-plated	10	3 g	133004	QSM-M5-4-I-R
				3.2 g	133003	QSM-M5-3-I-R
	for size 45			8.9 g	186266	QSM-G1/8-4-I
				9.5 g	186267	QSM-G1/8-6-I
	for size 60			13 g	186108	QS-G1/4-6-I
				14 g	186110	QS-G1/4-8-I

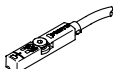
SIES proximity switch for T-slot, inductive						
	Switching output	Electrical connection 1, connection technology	Switching element function	Cable length	Part no.	Type
	NPN	M8x1 A-coded as per EN 61076-2-104	NC contact	0.3 m	551402	SIES-8M-NO-24V-K-0,3-M8D
			N.O. contact		551397	SIES-8M-NS-24V-K-0,3-M8D
		Open end	NC contact	7.5 m	551401	SIES-8M-NO-24V-K-7,5-OE
			N.O. contact		551396	SIES-8M-NS-24V-K-7,5-OE
	PNP	M8x1 A-coded as per EN 61076-2-104	NC contact	0.3 m	551392	SIES-8M-PO-24V-K-0,3-M8D
			N.O. contact		551387	SIES-8M-PS-24V-K-0,3-M8D
		Open end	NC contact	7.5 m	551391	SIES-8M-PO-24V-K-7,5-OE
			N.O. contact		551386	SIES-8M-PS-24V-K-7,5-OE

[Link](#) [sies-8m](#)

Accessories

SMT proximity switch for T-slot, magneto-resistive

Link [smt-8m](#)

	Type of mounting	Switching output	Electrical connection	Cable length	Part no.	Type
	Screwed on, Can be inserted in slot from above	3-wire PNP N/C contact	Open end	7.5 m	574340	SMT-8M-A-PO-24V-E-7,5-OE
		3-wire PNP N/O contact		2.5 m	574335	SMT-8M-A-PS-24V-E-2,5-OE
			Plug M8, A-coded	0.3 m	574334	SMT-8M-A-PS-24V-E-0,3-M8D

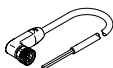
Connecting cable NEBA, straight

Link [neba](#)

	Electrical connection 1, connection technology	Electrical connection 2, connection technology	Electrical connection 2, number of pins/wires	Cable length	Part no.	Type
	M8x1 A-coded as per EN 61076-2-104	Open end	3	2.5 m	8078223	NEBA-M8G3-U-2.5-N-LE3
				5 m	8078224	NEBA-M8G3-U-5-N-LE3

Connecting cable NEBA, angled

Link [neba](#)

	Electrical connection 1, connection technology	Electrical connection 2, connection technology	Electrical connection 2, number of pins/wires	Cable length	Part no.	Type
	M8x1 A-coded as per EN 61076-2-104	Open end	3	2.5 m	8078230	NEBA-M8W3-U-2.5-N-LE3
				5 m	8078231	NEBA-M8W3-U-5-N-LE3