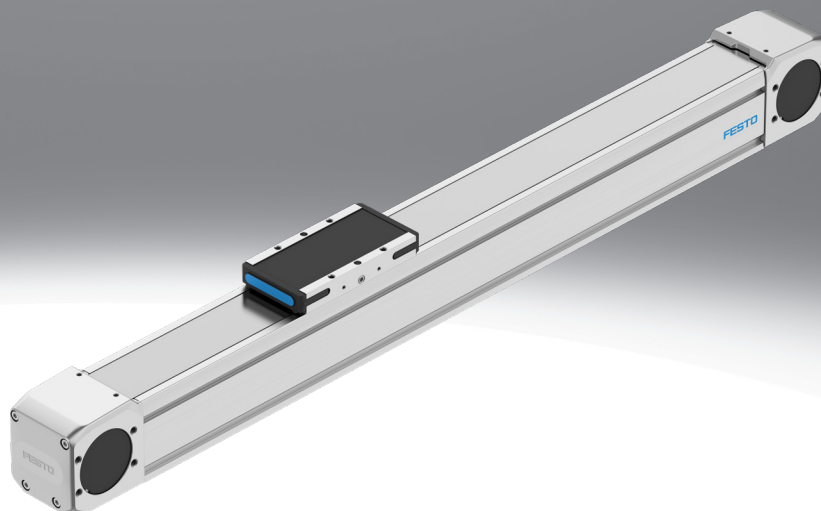


Toothed belt axes ELGD-TB

FESTO



Key features

At a glance

ELGD-TB (standard design)

- Profile with a square cross section and sturdy drive elements for high feed forces
- Suitable for the production of Li-ion batteries

ELGD-TB-WD (wide design)

- Reduced profile height offers smaller installation dimensions for handling systems and applications that do not require such high feed forces
- 30% lighter, while rigidity and guide load capacity are still similar to the axis in the standard design
- Suitable for the production of Li-ion batteries

Innovative guide technology

- Excellent rigidity and load capacity of the guide for greater loads in the same installation space
- Less vibration and smoother slide movement protect sensitive workpieces
- High speeds ensure short cycle times and a very long service life minimises downtime

Powerful drive elements

- High feed forces and acceleration for shorter process times
- Long service life and increased reliability reduce TCO

Innovative stainless steel cover strip solution

- Abrasion-free and clean surface protects workpieces from particles
- Minimised number of particles for use in cleanrooms
- Reduced ingress of dirt for use in harsh ambient conditions

Options:

- Extended or additional slide for higher axial and lateral torques and higher loads
- Two freely selectable motor positions at one end of the axis

Sealing air connection:

- Air is exchanged between the interior of the cylinder and the environment via the sealing air connection. This prevents negative pressure or excess pressure from building up inside the cylinder.
- Application of slight negative pressure prevents the emission of particles
- Application of slight excess pressure prevents the ingress of particles

Engineering tools

More information → [electric-motion-sizing](#)



Save time with smart engineering tools for the optimal solution. Our goal is to increase your productivity. Our engineering tools play an integral part in achieving this goal. They help you size your system correctly, tap into unimagined productivity reserves and generate additional productivity along the entire value chain. In every phase of your project, from the initial contact to the modernisation of your machine, you will come across a number of different tools and useful tools.

Electric Motion Sizing

- Create the optimum drive package quickly and reliably. Electric Motion Sizing calculates suitable combinations of electric axis, electric motor and servo drive using just a few application details. It provides you with all the relevant data including the bill of materials and documentation for the selected combination. This avoids design errors and results in significantly improved energy efficiency for the system. A smooth connection to the Festo Automation Suite also makes commissioning easier for you.

Graphs

More information → [elgd-tb](#)



The graphs shown in this document are also available online. There, precise values can be displayed.

Key features

Drive system

[TB] Toothed belt

- For applications requiring a high dynamic response and short positioning times
- For long strokes

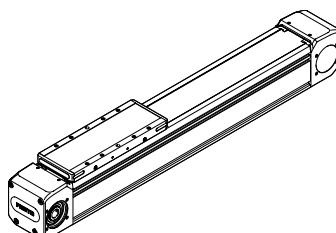
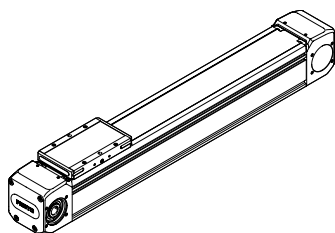
Stroke reserve

- The stroke reserve is a safety distance from the mechanical end position and is not used in normal operation.
- The sum of the stroke length and 2x stroke reserve must not exceed the maximum working stroke.

Slide design

[] Standard

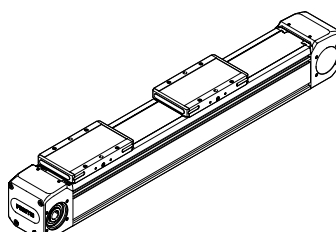
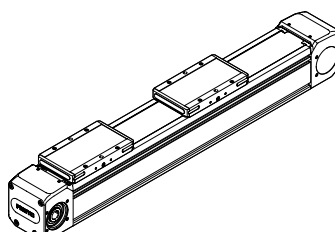
[L] Long



Additional slide

[ZL] Left

[ZR] Right



- The side on which the labelling is applied is defined as the front.
- The additional slide is always a standard slide

Lubrication

[] Standard

[GN] Lubrication nipple

With lifetime lubrication. Lubrication nipple not included in delivery.

- The lubrication adapters enable the guide to be permanently lubricated using semi- or fully automatic relubrication devices
- The adapters are suitable for oils and greases

Toothed belt material

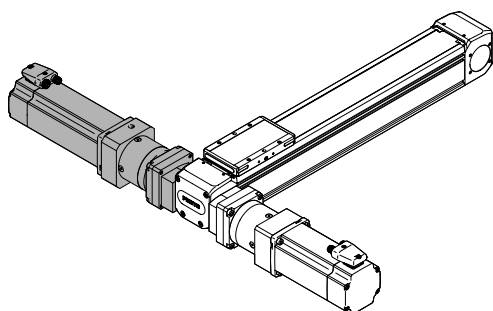
[PU2] Coated PU

[PU1] Uncoated PU, FDA-conform

- With steel reinforcements for high rigidity
- Fabric coating for a long service life and low abrasion
- Polyurethane material for resistance to many cooling lubricants

- With steel reinforcements for high rigidity
- Blue, FDA-conform polyurethane for use in the food industry

Motor attachment



- The motor can be attached to the left end of the axis at the front or rear.
- The position of the motor does not have to be specified when ordering and can be changed later
- Note: Unlike other axes from Festo, the motor cannot be mounted on both ends of the axis. However, the axis has a symmetrical design so that the left end can also be rotated to the right

Type codes

001	Series
ELGD	Gantry axis

002	Drive system
TB	Toothed belt

003	Guide
KF	Recirculating ball bearing guide

004	Size
60	60
80	80

005	Stroke [mm]
200	200
300	300
500	500
600	600
800	800
1000	1000
1200	1200
1500	1500
1800	1800
2000	2000
...	50 ... 2850

006	Stroke reserve
OH	None
...H	0 ... 999 mm

007	Slide design
	Standard
L	Slide, long

008	Additional slide
	None
ZL	1 slide left
ZR	1 slide right

009	Lubrication
	Standard
GN	Lubrication nipple

010	Material of toothed belt
PU1	Uncoated PU, FDA-compliant
PU2	Coated PU

Datasheet

General technical data				
Size		60		80
Slide design			L	L
Design		Electromechanical axis with toothed belt		
Guide		Recirculating ball bearing guide		
Mounting position		Any		
Working stroke [mm]		50 ... 2850	50 ... 2800	50 ... 2850 50 ... 2750
Max. feed force F _x [N]		350		800
Max. no-load torque ¹⁾				
ELGD-...-PU1 [Nm]		0.5		1
ELGD-...-PU2 [Nm]		0.5		1.2
Max. no-load resistance to shifting ¹⁾ [N]		29.8		55.8
Max. driving torque [Nm]		5.5		17.2
Max. speed [m/s]		3		
Max. acceleration [m/s²]		50		
Repetition accuracy [mm]		±0.04		
Position sensing		For inductive sensors		

1) At 0.2 m/s

Operating and environmental conditions				
Ambient temperature ¹⁾ [°C]	0 ... +60			
Storage temperature [°C]	-20 ... +60			
Degree of protection	IP40			
Duty cycle [%]	100			
Maintenance interval	Lifetime lubrication			

1) Note operating range of proximity switches

Weight [g]				
Size	60		80	
Slide design		L		L
Basic weight with 0 mm stroke ¹⁾	2486	2909	4715	6030
Additional weight per 10 mm stroke	49	49	79	79
Moving mass	490	710	1110	1810

1) Including slide

Toothed belt				
Size	60		80	
Pitch [mm]	3		5	
Effective diameter [mm]	31.51		42.97	
Feed constant [mm/rev]	99		135	

Datasheet

Mass moments of inertia					
Size		60		80	
Slide design			L		L
J_O	[kg mm ²]	210.16	267.49	752.16	1056.47
J_H per metre stroke	[kg mm ² /m]	31.28	31.28	112.63	112.63
J_L per kg payload	[kg mm ² /kg]	248.22	248.22	461.61	431.61

The mass moment of inertia J_A of the entire axis is calculated as follows:

$$J_A = J_O + J_H \times \text{working stroke [m]} + J_L \times m_{\text{payload [kg]}}$$

Homing

Homing can be carried out in two ways:

- Against a fixed stop
- Using a reference switch

The following values must be observed:

Size		60	80
Max. impact energy	[mJ]	0.125	0.25
Note on the impact energy in the end positions	[m/s]	At maximum homing speed of 0.01 m/s	

Materials

Axis	
Drive cover	Gravity die-cast aluminium, painted
Slide	Wrought aluminium alloy
Cover strip	High-alloy stainless steel
Toothed belt	
ELGD-...-PU2	Polyurethane with steel cord and nylon cover
ELGD-...-PU1	Polyurethane with steel cord
Guide	Steel
Profile	Anodised wrought aluminium alloy
Belt	High-alloy stainless steel
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Suitable for the production of Li-ion batteries	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

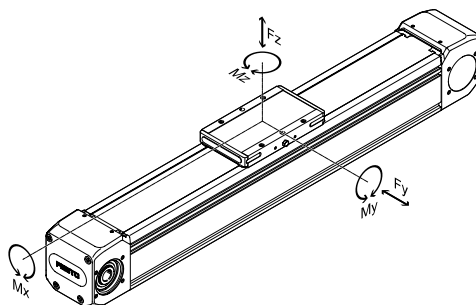
Load values

The indicated forces and torques refer to the centre of the guide.

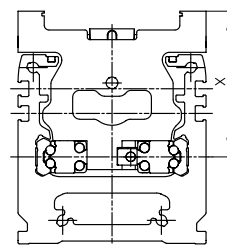
The point of application of force is the point where the centre of the guide and the longitudinal centre of the slide intersect.

The appropriate size is selected using the following three steps:

1. Check the maximum permissible values (must not be exceeded)
2. Calculate the load comparison factor
3. Determine the service life



Distance from the slide surface to the centre of the guide



Distance from the slide surface to the centre of the guide

Size	60	80
Dimension x [mm]	49	62

1. Check the maximum permissible values

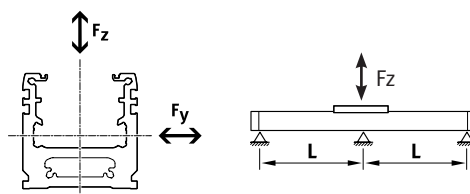
Max. permissible forces and torques for the overall axis (strength limits)

Size	60	L		80	L	
Max. force F_y , overall axis [N]	1513	3026		2291	4581	
Max. force F_z , overall axis [N]	2200	3200		3500	5600	
Max. torque M_x , overall axis [Nm]	38	75		109	200	
Max. torque M_y , overall axis [Nm]	15	128		42	356	
Max. torque M_z , overall axis [Nm]	15	133		42	294	

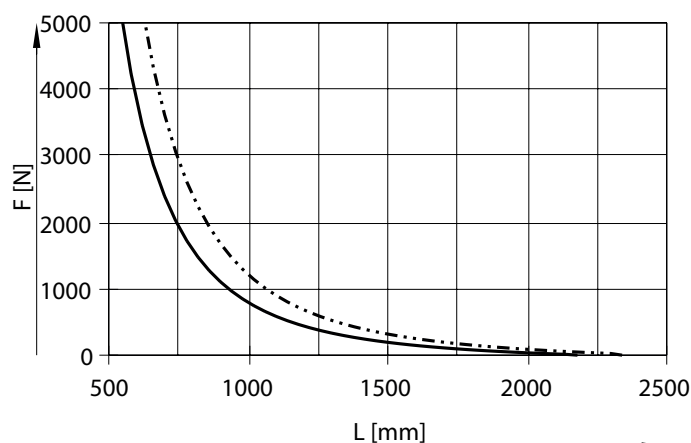
Maximum permissible support spacing L as a function of force F

The axis may need to be supported in order to limit deflection in the case of long strokes.

The following graphs can be used to determine the maximum permissible support spacing L as a function of force F acting on the axis. The deflection is $f = 0.5 \text{ mm}$.

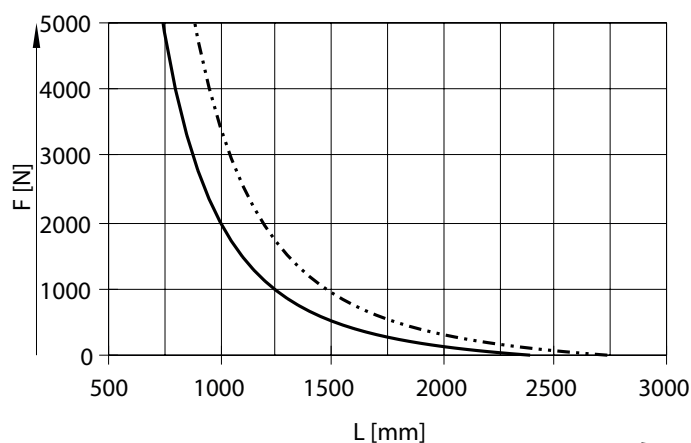


Size 60



— F_y
- - - F_z

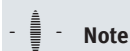
Size 80



— F_y
- - - F_z

Datasheet

2. Calculate the load comparison factor

**Note**

For a guide system to have a service life of 5000 km, the load comparison factor must have a value of $f_v \leq 1$, based on the maximum permissible forces and torques for a service life of 5000 km. This formula can be used to calculate a guide value. The engineering software "Electric Motion Sizing" is available for more precise calculations

→ www.festo.com/x/electric-motion-sizing

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:

Calculating the load comparison factor:

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

F_1/M_1 = values occurring in the application

F_2 = Permissible values at 5000 km from the graph "support spacing over load"

M_2 = maximum permissible values (see table)

Max. permissible torques for the guide calculation with reference service life

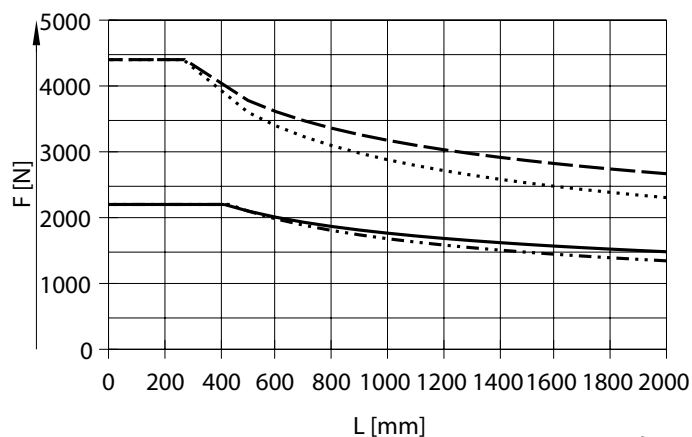
Size	60	80
Slide design	L	L
Reference service life [km]	5000	
Max. torque M_x [Nm]	38	106
Max. torque M_y [Nm]	15	42
Max. torque M_z [Nm]	15	42

Max. permissible support spacing L as a function of the force F

Depending on how firmly the axis is supported, the maximum permissible forces vary due to the design of the guide system.

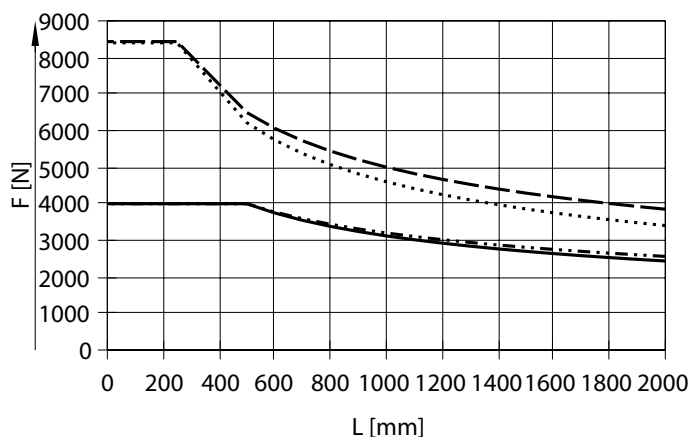
If the axis is used as a cantilever or in yoke operation, the values for a support spacing of 2000 mm can be selected.

Size 60



— Fy - ELGD-60
 - - Fz - ELGD-60
 — · Fy - ELGD-60-L
 - · Fz - ELGD-60-L

Size 80



— Fy - ELGD-80
 - - Fz - ELGD-80
 — · Fy - ELGD-80-L
 - · Fz - ELGD-80-L

Datasheet

3. Determine the service life

The service life of the guide depends on the load. To be able to provide an 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. You must consult your local Festo contact for a load comparison factor f_v greater than 1.3.

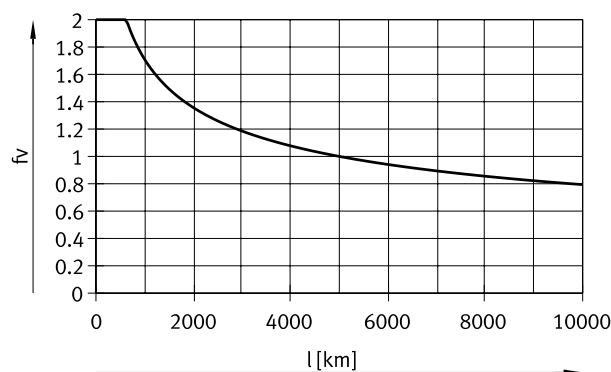
Load comparison factor f_v as a function of service life l

Example:

A user wants to move an x kg load. Using the formula (→ page 8) gives a value of 1.3 for the load comparison factor f_v . According to the graph, the guide would have a service life of approx. 2500 km. Reducing the acceleration reduces the M_z and M_y values. A load comparison factor f_v of 1 now gives a service life of 5000 km.

Note:

If the application has been calculated using “Electric Motion Sizing”, the average guide comparison index represents the workload of the guide. (100% average guide comparison index corresponds to $f_v = 1$). With this value, the service life can be estimated using the service life graph



Comparison of the characteristic load values for 100 km with dynamic forces and torques of recirculating ball bearing guides

The characteristic load values of the bearing guides are standardised to ISO and JIS using dynamic and static forces and torques. These forces and torques are based on an expected service life of the guide system of 100 km to ISO or 50 km to JIS.

As the characteristic load values are dependent on the service life, the maximum permissible forces and torques for a 5000 km service life cannot be compared with the dynamic forces and torques of bearing guides to ISO/JIS.

To make it easier to compare the guide capacity of linear axes ELGD with bearing guides, the table below lists the theoretically permissible forces and torques for a calculated service life of 100 km. This corresponds to the dynamic forces and torques to ISO.

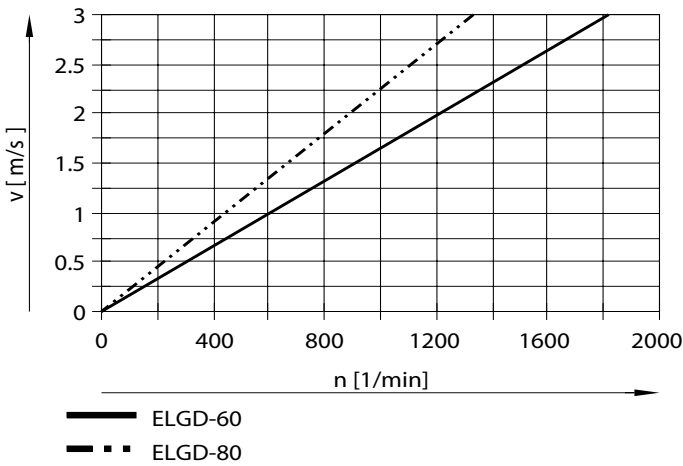
These 100 km values have been calculated mathematically and are only to be used for comparing with dynamic forces and torques to ISO. The drives must not be loaded with these characteristic values as this could damage the axes.

Max. permissible forces and torques for a theoretical service life of 100 km (from a guide perspective only)

Size	60	80
Slide design	L	L
$F_{y_{max}}$ [N]	9208	17576
$F_{z_{max}}$ [N]	9208	17576
$M_{x_{max}}$ [Nm]	157	422
$M_{y_{max}}$ [Nm]	60	162
$M_{z_{max}}$ [Nm]	60	162

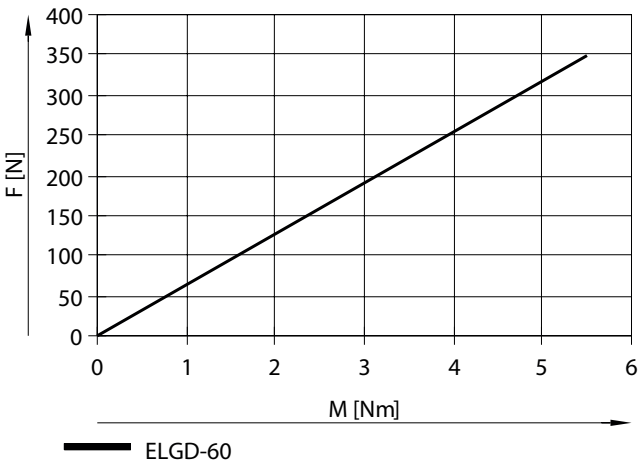
Datasheet

Speed v as a function of rotational speed n

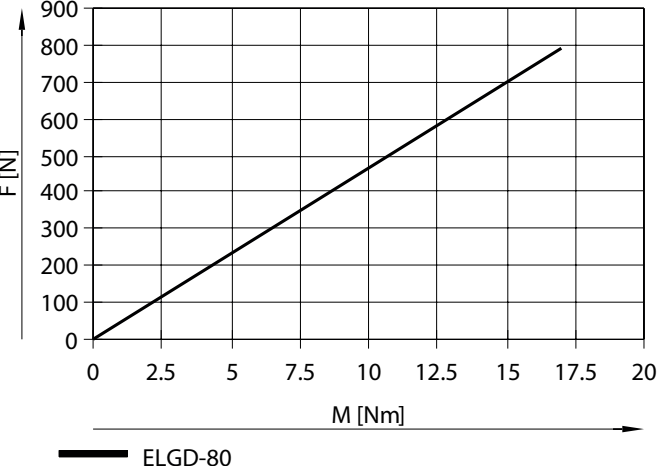


Feed force F as a function of input torque M

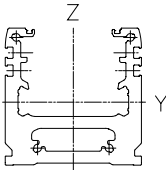
Size 60



Size 80



Second moment of area



Size		60	80
I_y	[mm ⁴]	0.485×10^6	1.213×10^6
I_z	[mm ⁴]	0.731×10^6	2.052×10^6

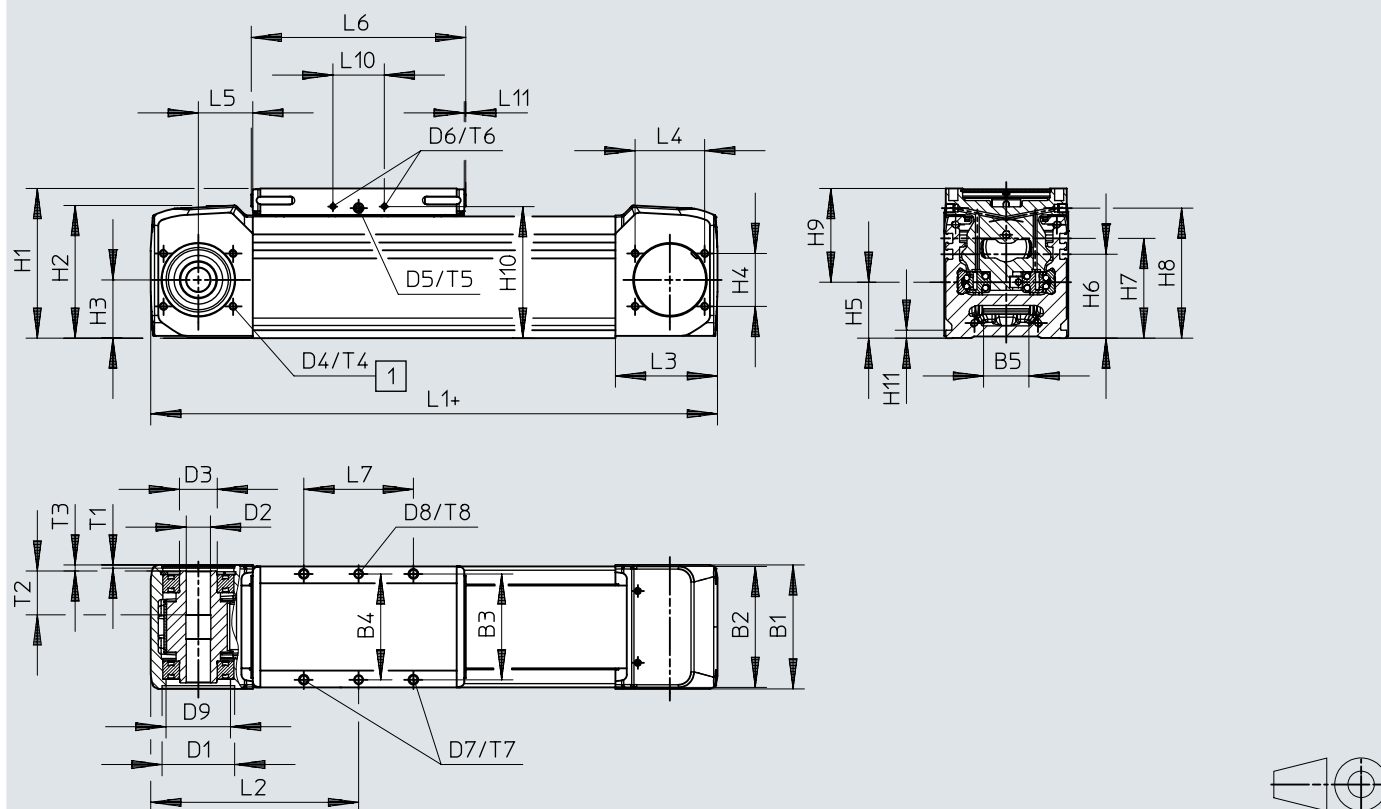
Recommended deflection limits

Compliance with the following critical limits for deflection is recommended to ensure the continuing functionality of the axes. Greater deformation can result in increased friction, greater wear and reduced service life.

Size	Dynamic deflection (load moves)	Static deflection (stationary load)
60, 80	0.05% of the axis length, max. 0.5 mm	0.1% of the axis length

Datasheet

Dimensions – ELGD-TB-...

Download CAD data → www.festo.com

[1] Sealing air connection

+ = plus stroke length + 2x stroke reserve

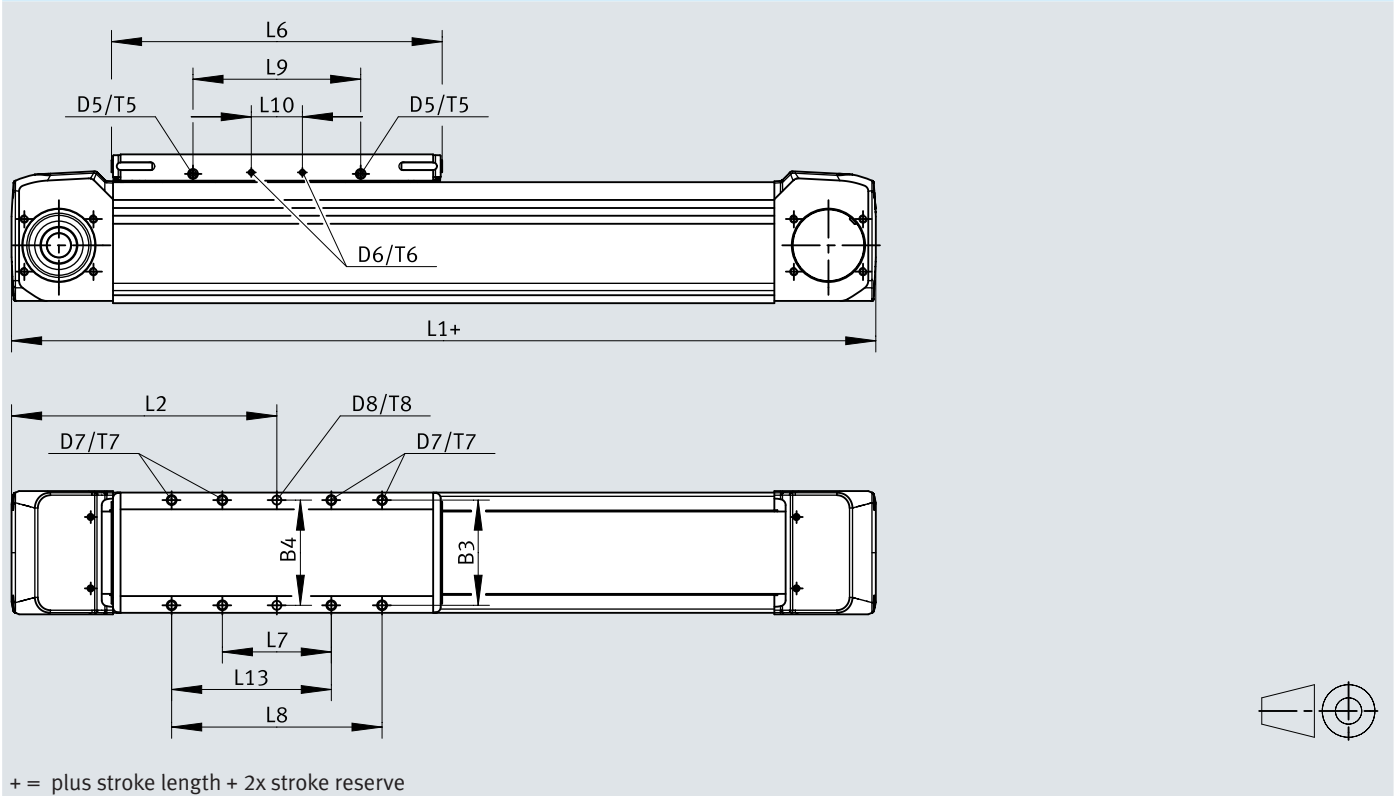
	B1	B2	B3	B4	B5	D1 ø	D2 ø	D3 ø	D4	D5	D6	D7	D8 ø	D9 ø	H1
				±0.03		ø H7	ø H7	k5					ø H7		
ELGD-TB-60	62	60	52.5	52.5	20	48	16	25	M6	M6	M3	M5	5	37.3	82
ELGD-TB-80	82	80	70	70	30	48	16	25	M5	M6	M3	M6	6	42.7	99

	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	L1	L2 min.	L3	L4
ELGD-TB-60	71.4	34	26	33	50	–	70	49	71	5.3	251	125.5	68	51
ELGD-TB-80	87.6	38.5	35	37	55.5	66	86	62	87	5.3	275	137.5	67.5	46

	L5	L6	L7	L10	L11		T1	T2	T3	T4	T5	T6	T7	T8
			±0.1		min.	max.								±0.05
ELGD-TB-60	35	118	50	34	1.5	4.5	2.2	26	4.2	12	6	7	16.5	6
ELGD-TB-80	36	142	72.5	34	1	4	2.2	29	4	12	6	7	17.5	8

Datasheet

Dimensions – ELGD-TB-...-L (with long slide) Download CAD data → www.festo.com

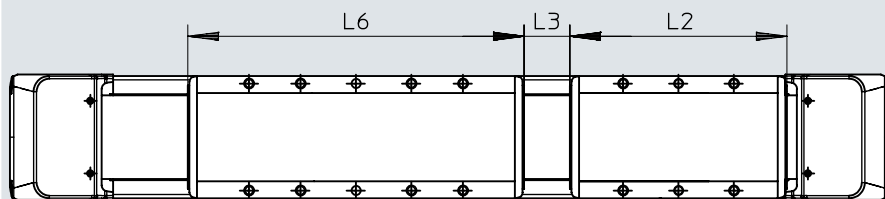


	B3	B4	D5	D6	D7	D8 ø H7	L1	L2 min.	L6
ELGD-TB-60-L	52.5	52.5 ±0.03	M6	M3	M5	5	292	146	159
ELGD-TB-80-L	70	70	M6	M3	M6	6	353	176.5	220

	L7	L8	L9	L10	L13	T5	T6	T7	T8
	±0.1	±0.1							±0.05
ELGD-TB-60-L	50	95	81.2	34	72.5	6	7	16.5	6
ELGD-TB-80-L	72.5	140	111.6	34	106.3	6	7	17.5	8

Datasheet

Dimensions – ELGD-TB-...-ZL/-ZR (with additional slide)

Download CAD data → www.festo.com

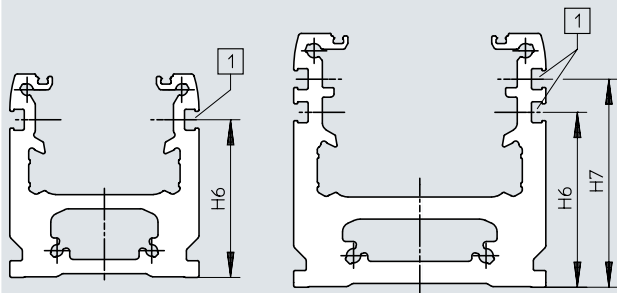
	L2	L3 (Minimum distance)	L6
ELGD-TB-60	118	50	118
ELGD-TB-80	142	50	142
ELGD-TB-60-L	118	50	159
ELGD-TB-80-L	142	50	220

Dimensions – ELGD-TB-...- (profile)

Download CAD data → www.festo.com

ELGD-TB-60

ELGD-TB-80

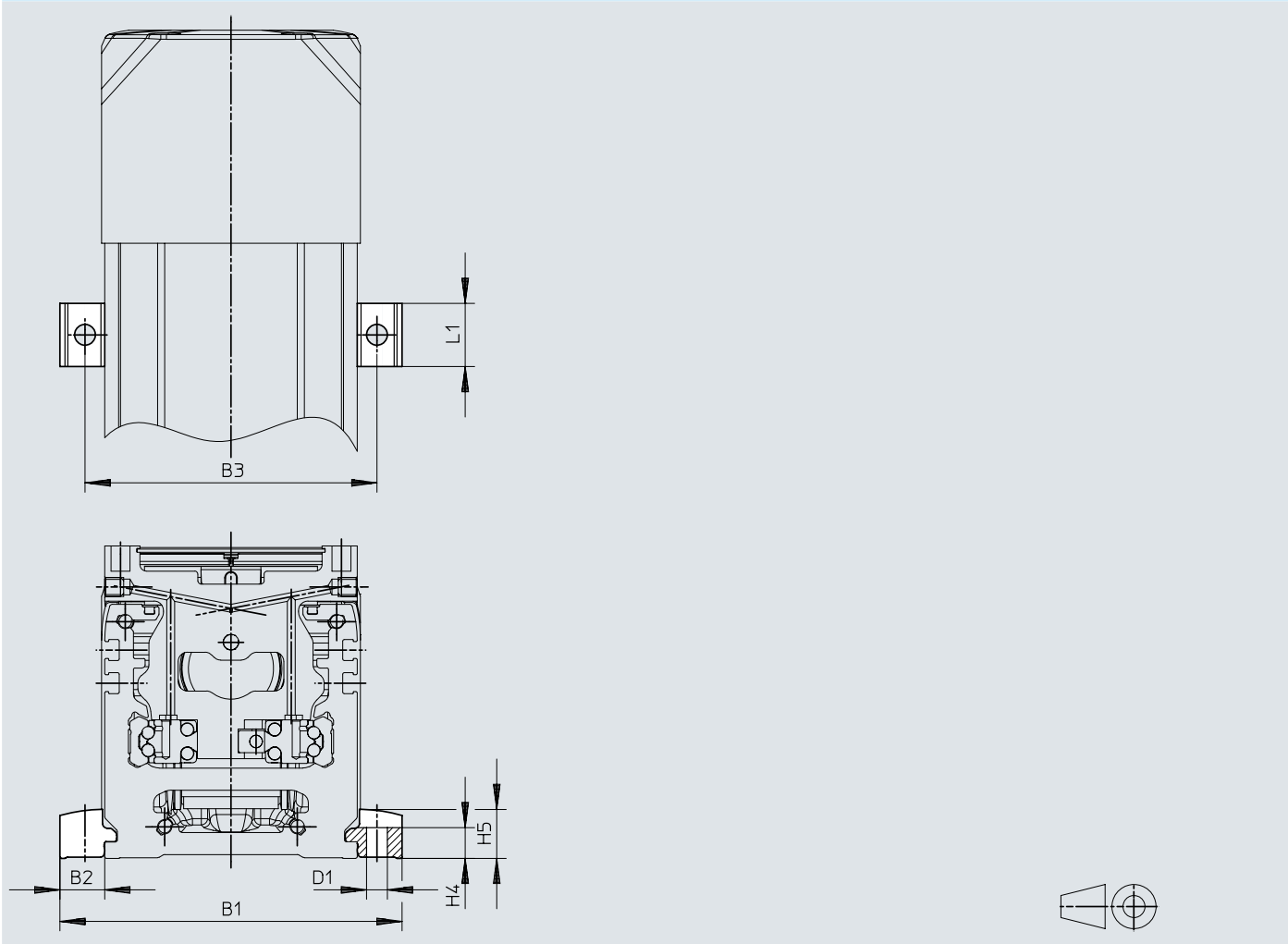


[1] Sensor slot for proximity switch

	H6	H7
ELGD-TB-60	50	–
ELGD-TB-80	55.5	66

Datasheet

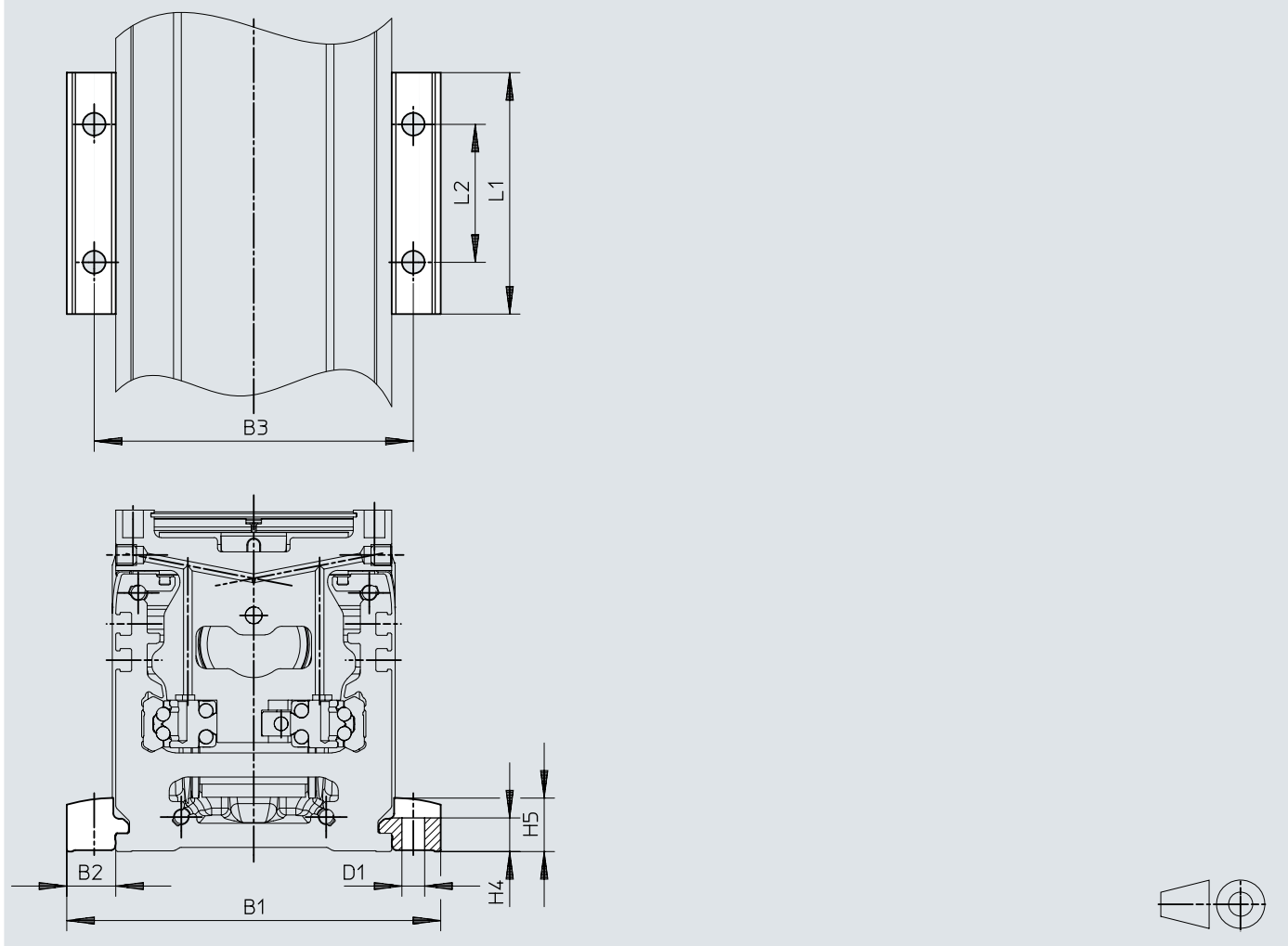
Dimensions – Profile mounting EAHF-E24-60-P-S Download CAD data → www.festo.com



		B1	B2	B3	D1 Ø H13	H4 ±0.1	H5	L1
EAHF-E24-60-P-S	ELGD-TB-60	88.4	14.2	72.5	6.6	9.8	15.5	20
	ELGD-TB-80	108.4	14.2	92.5	6.6	9.8	15.5	20

Datasheet

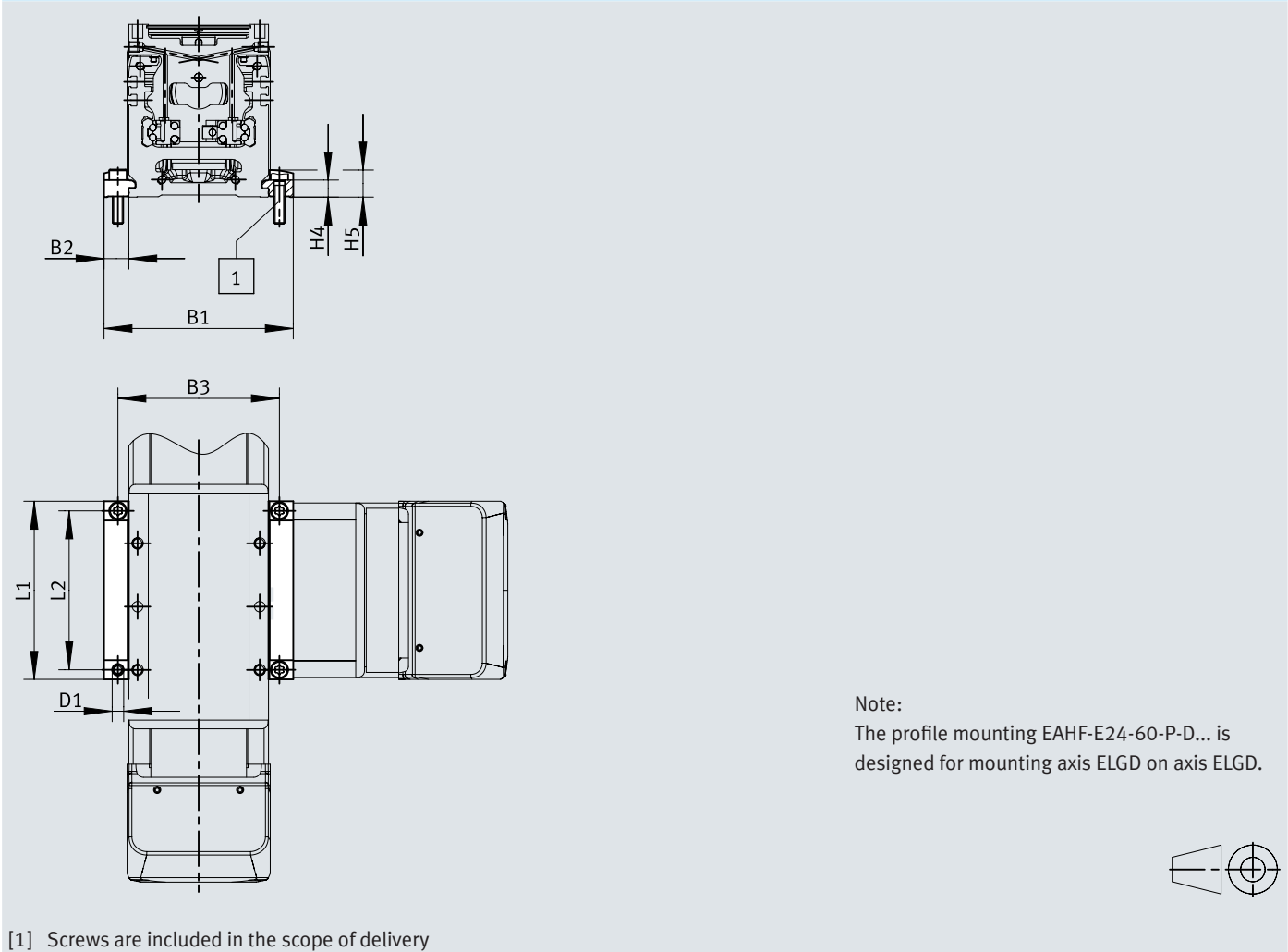
Dimensions – Profile mounting EAHF-E24-60-P

Download CAD data → www.festo.com

		B1	B2	B3	D1 Ø H13	H4 ±0.1	H5	L1	L2
EAHF-E24-60-P	ELGD-TB-60	88.4	14.2	72.5	6.6	9.8	15.5	70	40
	ELGD-TB-80	108.4	14.2	92.5	6.6	9.8	15.5	70	40

Datasheet

Dimensions – Profile mounting EAHF-E24-60-P-D Download CAD data → www.festo.com

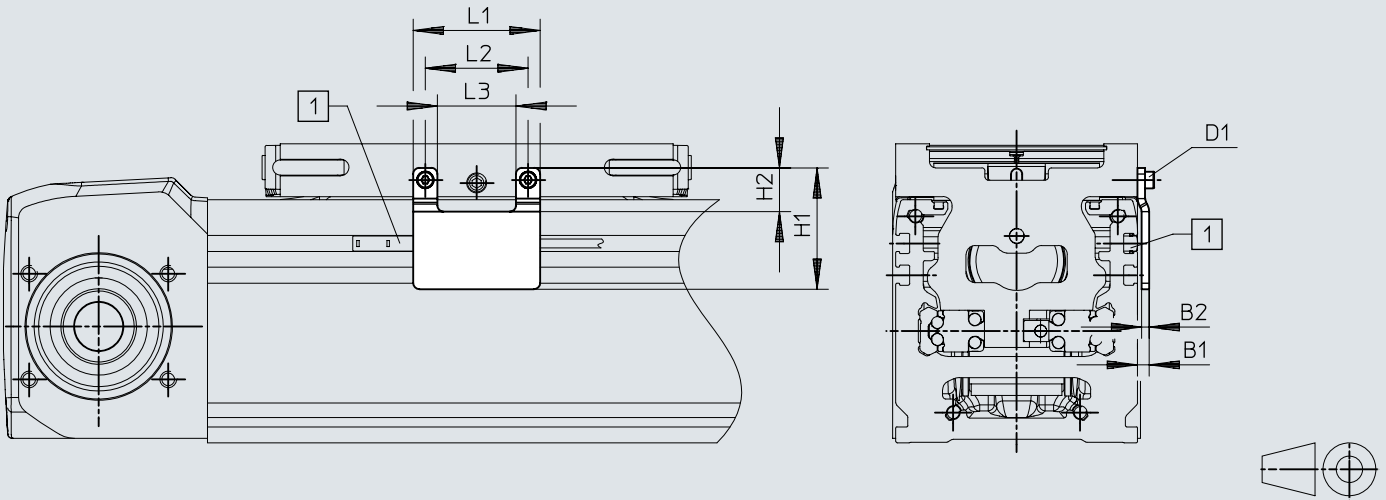


		B1	B2	B3	D1 Ø H13	H4 ±0.1	H5	L1	L2
EAHF-E24-60-P-D5	ELGD-TB-60	88.4	14.2	72.5	5.5	9.8	15.5	62	52.5
EAHF-E24-60-P-D4	ELGD-TB-80	108.4	14.2	92.5	6.6	9.8	15.5	81	70
EAHF-E24-60-P-D6	ELGD-TB-100	128.4	14.2	112.5	5.5	9.8	15.5	102	91

Datasheet

Dimensions – Switch lug EAPM-E24-60-SLS

Download CAD data → www.festo.com

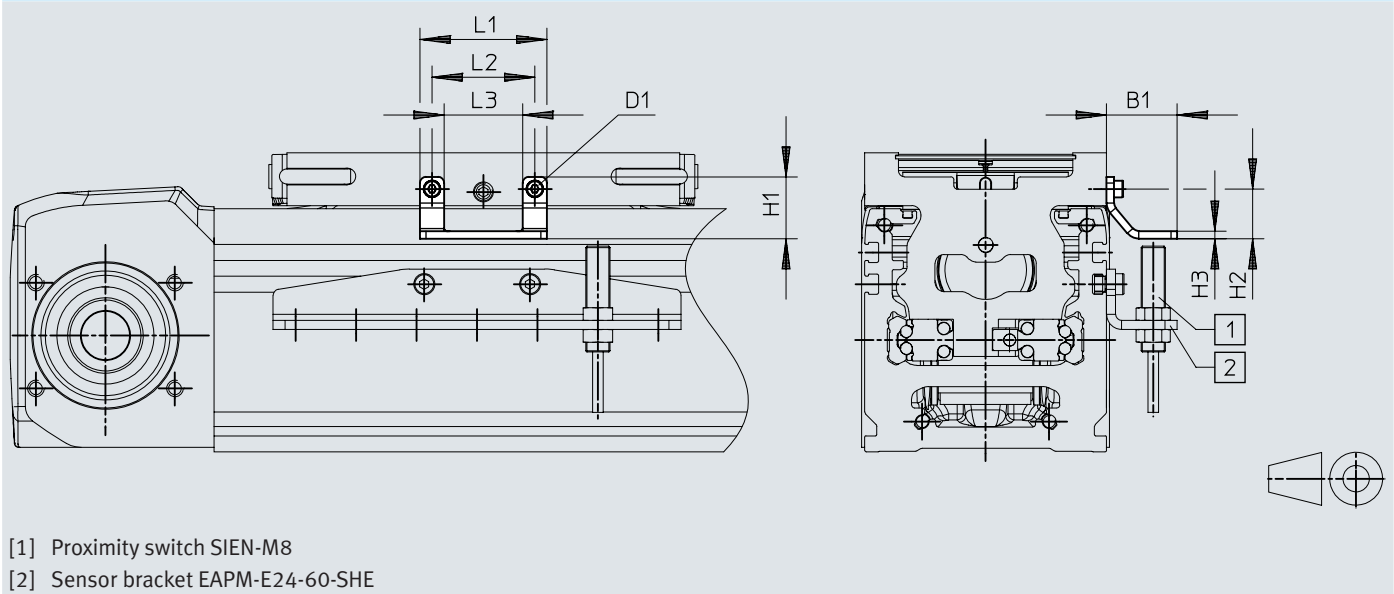


[1] Sensor slot for proximity switch SIES-8M

		B1	B2	D1	H1	H2	L1	L2	L3
EAPM-E24-60-SLS	ELGD-TB-60	3.8	2.5	M3x8	40.2	14.5	42	34	26
	ELGD-TB-80								

Datasheet

Dimensions – Switch lug EAPM-E24-...-SLE Download CAD data → www.festo.com

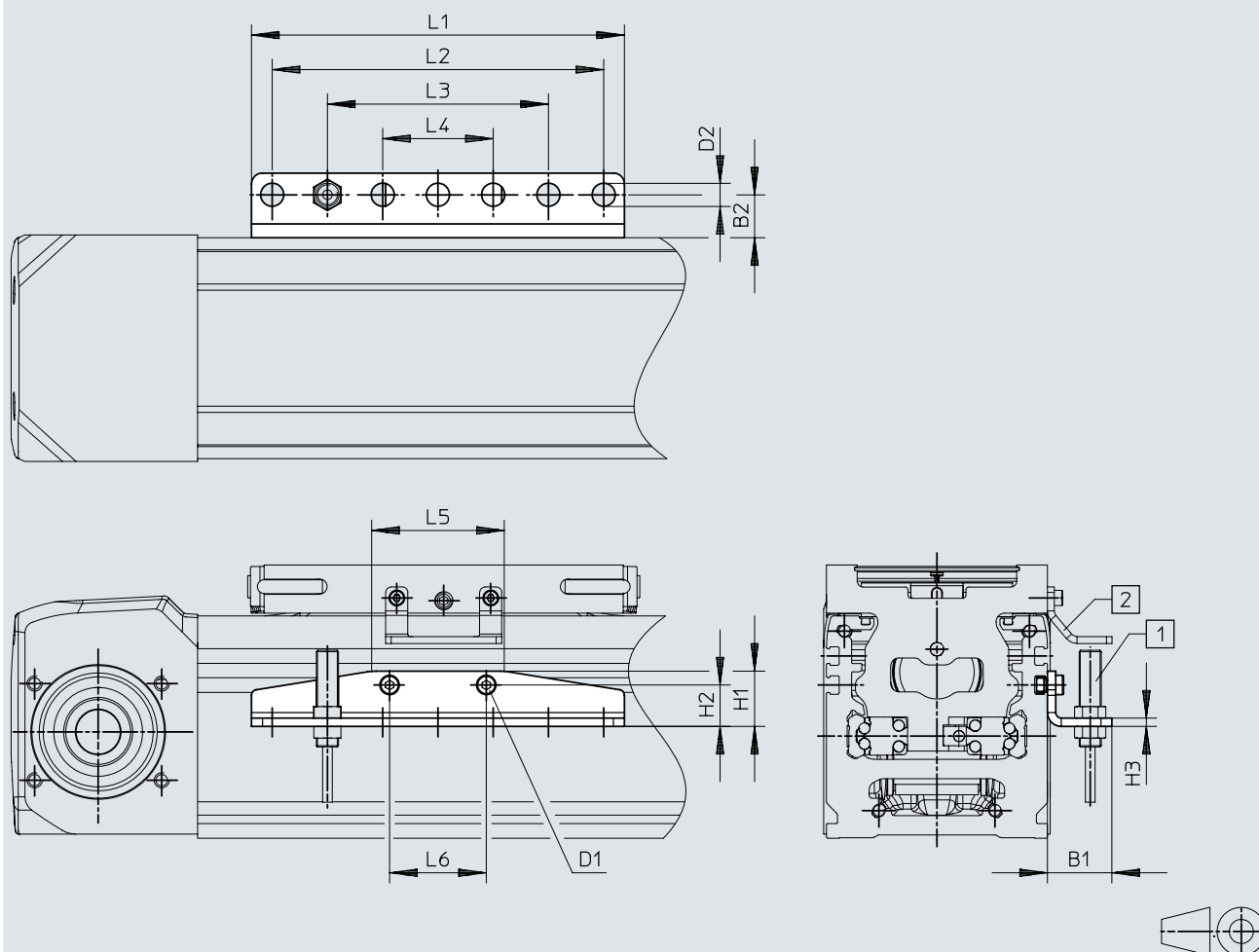


- [1] Proximity switch SIEN-M8
- [2] Sensor bracket EAPM-E24-60-SHE

		B1	D1	H1	H2	H3	L1	L2	L3
EAPM-E24-60-SLE	ELGD-TB-60	23.4	M3	20.5	16.5	2.5	42	34	26
	ELGD-TB-80								

Datasheet

Dimensions – Sensor bracket EAPM-E24-60-SHE

Download CAD data → www.festo.com

[1] Proximity switch SIEN-8M

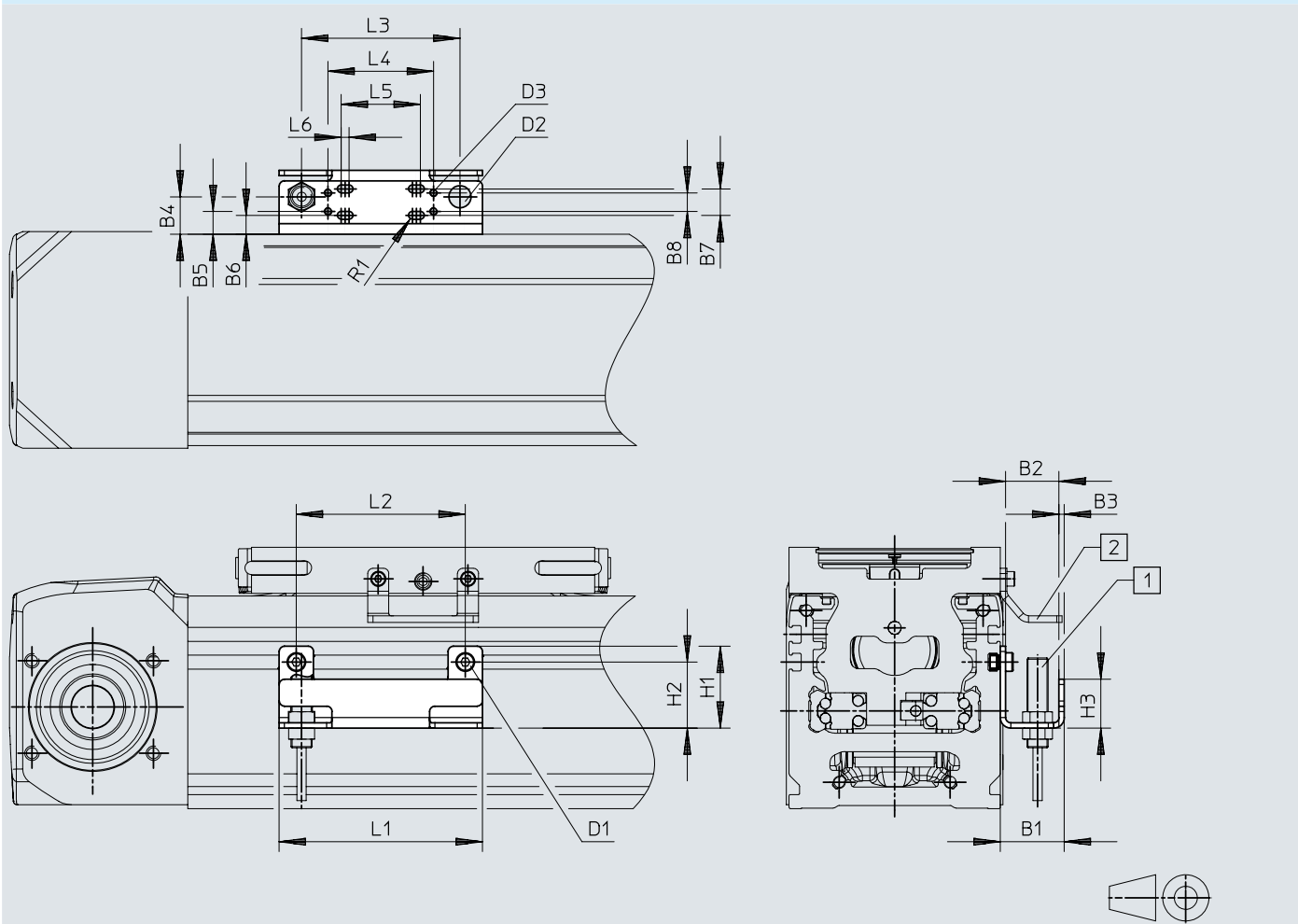
[2] Switch lug EAPM-E24-60-SLE

		B1	B2	D1	D2 Ø H13	H1	H2	H3
		±0.3				±0.3		
EAPM-E24-60-SHE	ELGD-TB-60	23.4	15.5	M4x6	8.4	20	15	3
	ELGD-TB-80							
		L1	L2	L3	L4	L5	L6	
		±0.2						
EAPM-E24-60-SHE	ELGD-TB-60	135	120	80	40	48	35	
	ELGD-TB-80							

Datasheet

Dimensions – Sensor bracket EAPM-E24-60-SHO

Download CAD data → www.festo.com

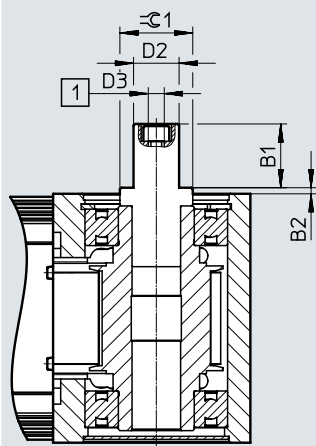


- [1] Inductive sensor (Omron)
[2] Switch lug EAPM-E24-60-SLE

		B1	B2	B3	B4	B5	B6	B7
EAPM-E24-60-SHO	ELGD-TB-60	24.2	20.2	2	14.1	8.6	7.1	10
	ELGD-TB-80							
		B8	D1	D2 ø	D3	H1	H2	H3
EAPM-E24-60-SHO	ELGD-TB-60	7	M3	8.4	M3	31	25	18.5
	ELGD-TB-80							
		L1	L2	L3	L4	L5	L6	R1
EAPM-E24-60-SHO	ELGD-TB-60	77	64	60	40	24	3	1.5
	ELGD-TB-80							

Datasheet

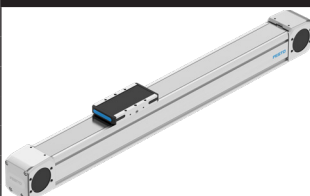
Dimensions – Drive shaft adapter EAMB-24-...


Download CAD data → www.festo.com

[1] Draw-off thread

		B1	B2	D2 ø h7	D3	⌀1
EAMB-24-9-15X21-16X20	ELGD-TB-60	21	1.85	15	M6	21
EAMB-24-6-15X21-16X20	ELGD-TB-80	21	2	15	M6	21

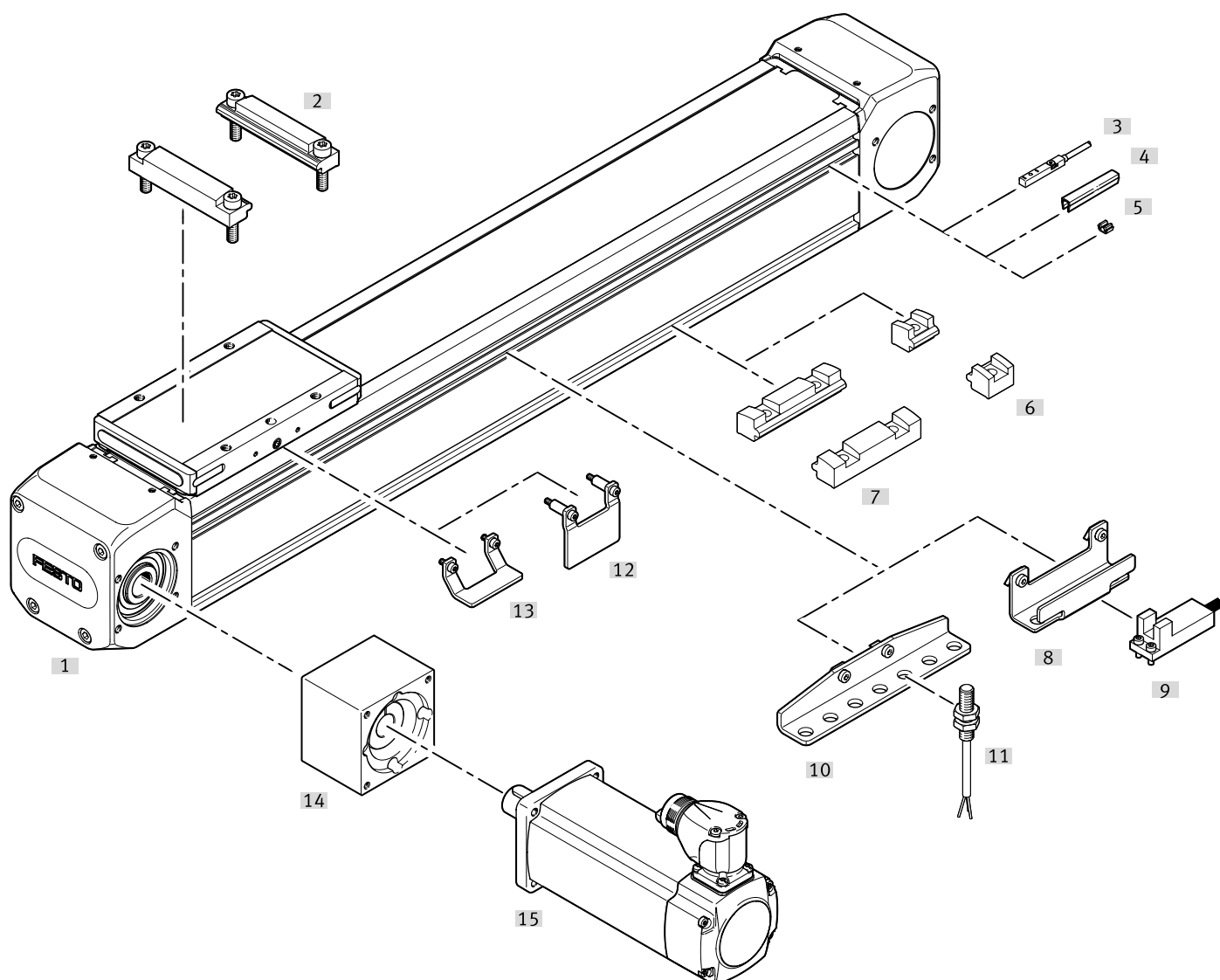
Datasheet

Ordering data				
	Size	Stroke [mm]	Part no.	Type
	60	200	8192344	ELGD-TB-KF-60-200-0H-PU2
		300	8192345	ELGD-TB-KF-60-300-0H-PU2
		500	8192346	ELGD-TB-KF-60-500-0H-PU2
		600	8192347	ELGD-TB-KF-60-600-0H-PU2
		800	8192348	ELGD-TB-KF-60-800-0H-PU2
		1000	8192349	ELGD-TB-KF-60-1000-0H-PU2
		1200	8192350	ELGD-TB-KF-60-1200-0H-PU2
		1500	8192351	ELGD-TB-KF-60-1500-0H-PU2
		1800	8192352	ELGD-TB-KF-60-1800-0H-PU2
		2000	8192353	ELGD-TB-KF-60-2000-0H-PU2
	80	200	8192354	ELGD-TB-KF-80-200-0H-PU2
		300	8192355	ELGD-TB-KF-80-300-0H-PU2
		500	8192356	ELGD-TB-KF-80-500-0H-PU2
		600	8192357	ELGD-TB-KF-80-600-0H-PU2
		800	8192358	ELGD-TB-KF-80-800-0H-PU2
		1000	8192359	ELGD-TB-KF-80-1000-0H-PU2
		1200	8192360	ELGD-TB-KF-80-1200-0H-PU2
		1500	8192361	ELGD-TB-KF-80-1500-0H-PU2
		1800	8192362	ELGD-TB-KF-80-1800-0H-PU2
2000		8192363	ELGD-TB-KF-80-2000-0H-PU2	

Ordering data – Modular product system					More information → elgd-tb
	Size	Stroke [mm]	Part no.	Type	
	60	50 ... 2850	8176884	ELGD-TB-KF-60-...	
	80	50 ... 2850	8176885	ELGD-TB-KF-80-...	

More information → [elgd-tb](#)

Peripherals overview

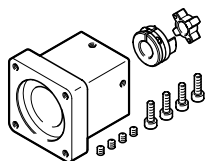


Peripherals overview

Accessories			
	Type	Description	→ Page/Internet
[1]	Toothed belt axis ELGD-TB	Electric drive	elgd-tb
[2]	Profile mounting EAHF-E24-...-D...	For axis/axis mounting with adapter plate	25
[3]	Proximity switch, T-slot SIES-8M	Inductive proximity switch, for T-slot	26
[4]	Slot cover ABP-S	For protection against contamination	27
[5]	Clip SMBK	For mounting the proximity switch cable in the slot	27
[6]	Profile mounting EAHF-E24-...-S	For mounting the axis on the side of the profile	25
[7]	Profile mounting EAHF-E24-...	For mounting the axis on the side of the profile	25
[8]	Sensor bracket EAPM-E24-SHO	For mounting third-party sensors on the axis	26
[9]	Sensor OMRON	Third-party sensor OMRON, EE-SX674 series	–
[10]	Sensor bracket EAPM-E24-SHE	For mounting the inductive proximity switches SIEN-M8 (round design) on the axis	26
[11]	Proximity switch, M8 SIEN-M8	Inductive proximity switch, round design	27
[12]	Switch lug EAPM-E24-SLS	For sensing the slide position using inductive proximity switch SIES-8M or for optical sensors (Omron) with sensor bracket EAPM-E24-SHO	25
[13]	Switch lug EAPM-E24-SLE	For sensing the slide position using inductive proximity switch SIEN-M8 (round design) and sensor bracket EAPM-E24-SHE	26
[14]	Axial kit EAMM	For axial motor mounting	eammm-a
[15]	Motor EMMT	Motors and kits specially matched with the axis Detailed information: www.festo.com/catalogue/eammm Engineering tool: www.festo.com/x/electric-motion-sizing	emmt

Accessories

Permitted axis/motor combinations for axial kits

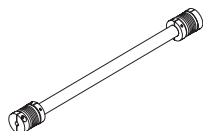


Full information is available via the following link:

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

For axial kits → [eamm-a](#)

Connecting shaft KSK



- For synchronising two base axes in gantry systems

Full information is available via the following link:

Connecting shaft → [ksk](#)

Profile mounting EAHF-E24-...-P-S

	Description	Suitable for the production of Li-ion batteries	Material	Product weight	Part no.	Type
	For size 60, 80	F1a	Anodised wrought aluminium alloy	18 g	8197128	EAHF-E24-60-P-S

Profile mounting EAHF-E24-...-P

	Description	Suitable for the production of Li-ion batteries	Material	Product weight	Part no.	Type
	For size 60, 80	F1a	Anodised wrought aluminium alloy	71 g	8197132	EAHF-E24-60-P

Profile mounting EAHF-E24-...-P-D...

	Description ¹⁾	Suitable for the production of Li-ion batteries	Material	Product weight	Part no.	Type
	ELGD-60 on ELGD-60-L ¹⁾	F1a	Anodised wrought aluminium alloy	87 g	8197131	EAHF-E24-60-P-D5
	ELGD-60 on ELGD-80			119 g	8197129	EAHF-E24-60-P-D4
	ELGD-60 on ELGD-100-L ¹⁾			133 g	8197130	EAHF-E24-60-P-D6
	ELGD-80 on ELGD-100-L			133 g	8197130	EAHF-E24-60-P-D6

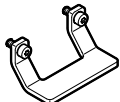
1) With these combinations, the axis is mounted off-centre on the slide (see dimension L13 on the dimensional drawing with long slide).

Switch lug EAPM-E24-...-SLS

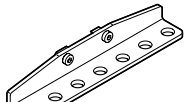
	Description	Suitable for the production of Li-ion batteries	Material	Product weight	Part no.	Type
	For size 60, 80	F1a	Steel	32 g	8197117	EAPM-E24-60-SLS

Accessories

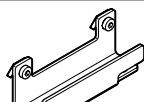
Switch lug EAPM-E24-...-SLE

	Description	Suitable for the production of Li-ion batteries	Material	Product weight	Part no.	Type
	For size 60, 80	F1a	Steel	20 g	8197116	EAPM-E24-60-SLE

Sensor bracket EAPM-E24-...-SHE

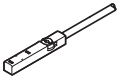
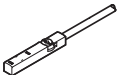
	Description	Suitable for the production of Li-ion batteries	Material	Product weight	Part no.	Type
	For size 60, 80	F1a	Steel	103 g	8197123	EAPM-E24-60-SHE

Sensor bracket EAPM-E24-...-SHO





	Description	Suitable for the production of Li-ion batteries	Material	Product weight	Part no.	Type
	For size 60, 80	F1a	Steel	67 g	8197121	EAPM-E24-60-SHO


Proximity switch for T-slot, inductive


Datasheets → Internet: sies

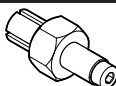
	Type of mounting	Switching output	Electrical connection	Cable length [m]	Part no.	Type
N/O						
	Inserted in the slot from above, flush with the cylinder profile	PNP	Cable, 3-core	7.5	551386	SIES-8M-PS-24V-K-7.5-OE
			Plug M8x1, 3-pin	0.3	551387	SIES-8M-PS-24V-K-0.3-M8D
		NPN	Cable, 3-core	7.5	551396	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						
	Inserted in the slot from above, flush with the cylinder profile	PNP	Cable, 3-core	7.5	551391	SIES-8M-PO-24V-K-7.5-OE
			Plug M8x1, 3-pin	0.3	551392	SIES-8M-PO-24V-K-0.3-M8D
		NPN	Cable, 3-core	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

Accessories

Proximity switch M8 (round design), inductive				Datasheets → Internet: sien	
	Switching output	Electrical connection	Cable length [m]	Part no.	Type
N/O					
	PNP	Cable, 3-core	2.5	150386	SIEN-M8B-PS-K-L
	NPN		2.5	150384	SIEN-M8B-NS-K-L
	PNP	Plug M8x1, 3-pin	–	150387	SIEN-M8B-PS-S-L
	NPN		–	150385	SIEN-M8B-NS-S-L
N/C					
	PNP	Cable, 3-core	2.5	150390	SIEN-M8B-PO-K-L
	NPN		2.5	150388	SIEN-M8B-NO-K-L
	PNP	Plug M8x1, 3-pin	–	150391	SIEN-M8B-PO-S-L
	NPN		–	150389	SIEN-M8B-NO-S-L

Slot cover ABP-5-S1						
	Description	Material	Pack size	Product weight	Part no.	Type
	For size 60, 80	ABS	2 every 0.5 m	13 g	563360	ABP-5-S1

Clip SMBK						
	Description	Pack size	Product weight	Part no.	Type	
	For size 60, 80	10	1g	534254	SMBK-8	

Drive shaft adapter EAMB						
	Description	Transferable torque	Product weight	Part no.	Type	
	For size 60	29Nm	72g	1344642	EAMB-24-9-15X21-16X20	
	For size 80	29Nm	68g	558036	EAMB-24-6-15X21-16X20	