

Toothed belt axes ELGA-TB-G

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Toothed belt axes ELGA-TB-G

Key features

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At a glance

Powerful

- Toothed belt axis with high feed forces, plain-bearing guide and flexible motor attachment
- Toothed belt covered by steel band

Economical

- In addition to the technical data, the toothed belt axis is a winner with its excellent price/performance ratio

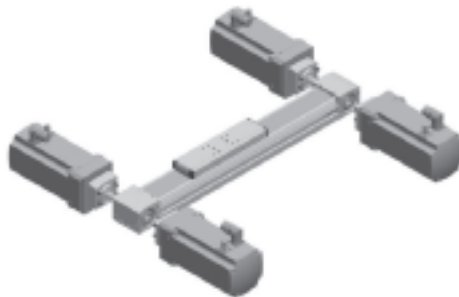
- Drive axis for applications with external guides or simple handling tasks

Versatile

- Space-saving position sensing with proximity sensor in the profile slot is possible
- Wide range of options for mounting on drives

Flexible motor attachment

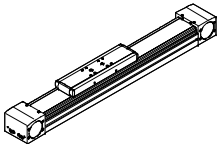
The motor position can be freely selected on 4 sides and can be changed at any time.



Characteristic values of the axes

The specifications shown in the table are maximum values.

The precise values for each of the variants can be found in the relevant technical data in the catalogue.

Version	Size	Working stroke [mm]	Speed [m/s]	Repetition accuracy [mm]	Feed force [N]	Guide characteristics				
						Forces and torques				
						F _y [N]	F _z [N]	M _x [Nm]	M _y [Nm]	M _z [Nm]
	70	50 ... 8,500	5	±0.08	350	80	400	5	30	10
	80	50 ... 8,500	5	±0.08	800	200	800	10	60	20
	120	50 ... 8,500	5	±0.08	1,300	380	1,600	20	120	40



Note

PositioningDrives
sizing software
www.festo.com

Toothed belt axes ELGA-TB-G

Key features

Complete system comprising toothed belt axis, motor, motor controller and motor mounting kit



Motor

→ 18



1 Servo motor EMMS-AS



Note

A range of specially adapted complete solutions is available for the toothed belt axis ELGA and the motors.

Motor controller

Technical data → Internet: motor controller



1 Servo motor controller CMMP-AS, CMMS-AS

Motor mounting kit

→ 20

Axial kit

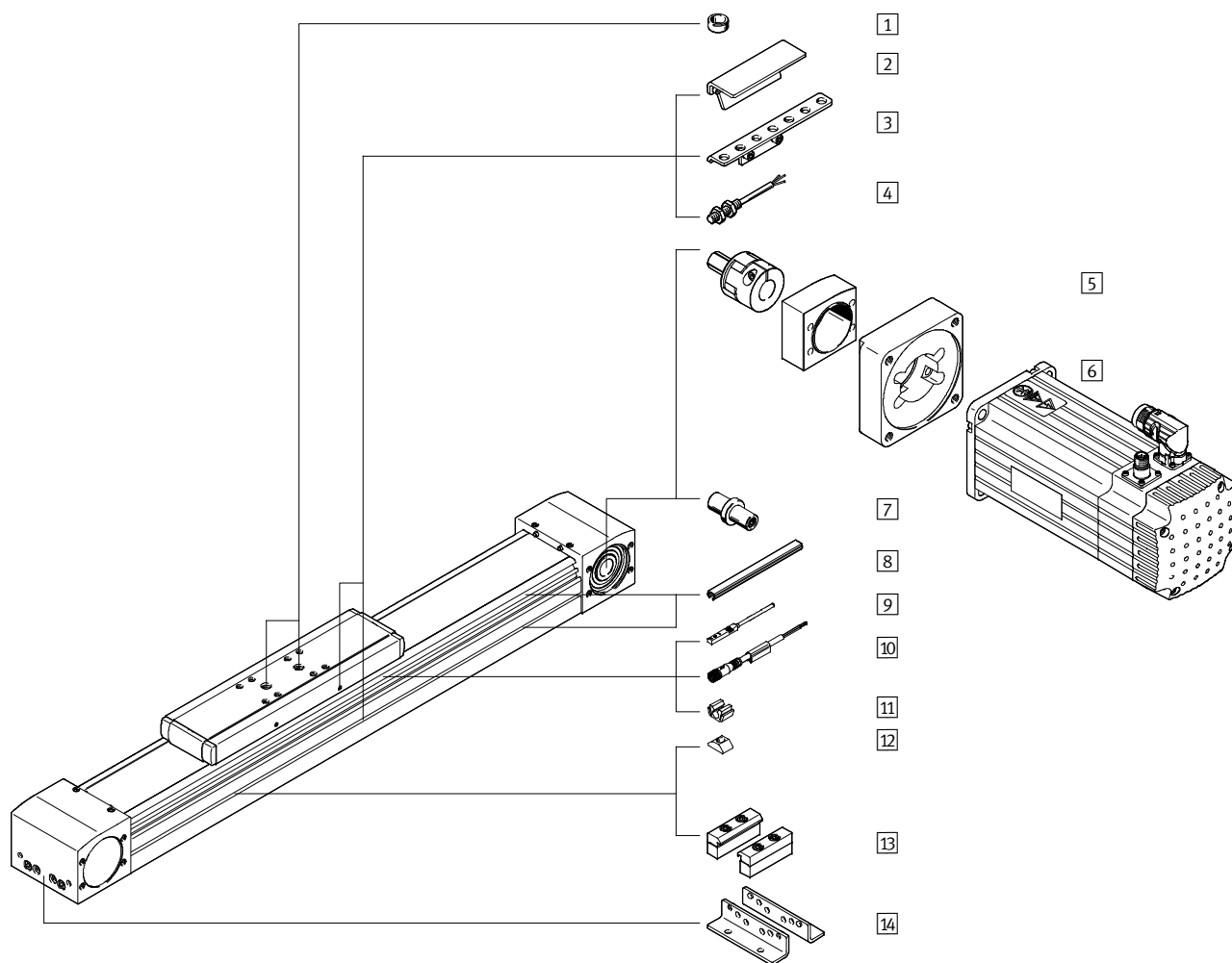


Kit comprising:

- Motor flange
- Coupling housing
- Coupling
- Screws

Peripherals overview

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Toothed belt axes ELGA-TB-G

Peripherals overview

Variants and accessories		
Type	Brief description	→ Page/Internet
1 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	25
2 Switch lug SA, SB, SC, SD, SE, SF	For sensing the slide position	23
3 Sensor bracket SC, SD, SE, SF	Adapter for mounting the inductive proximity sensors (round design) on the axis	24
4 Proximity sensor, M8 SC, SD, SE, SF	- Inductive proximity sensor, round design - The order code SC, SD, SE, SF includes 1 switch lug and max. 2 sensor brackets in the scope of delivery	26
5 Axial kit EAMM	For axial motor mounting (comprising: coupling, coupling housing and motor flange)	20
6 Motor EMMS	Motors specially matched to the axis, with or without gear unit, with or without brake	20
7 Drive shaft EA	- Can, if required, be used as an alternative interface - No drive shaft is required for the axis/motor combinations → 20	25
8 Slot cover NS, NC	For protecting against ingress of dirt	25
9 Proximity sensor, T-slot SA, SB	- Inductive proximity sensor, for T-slot - The order code SA, SB includes 1 switch lug in the scope of delivery	26
10 Connecting cable CA	For proximity sensor (order code SE and SF)	26
11 Clip CM	For mounting the proximity sensor cable in the slot	25
12 Slot nut NM	For mounting attachments	25
13 Profile mounting MA	For mounting the axis on the profile	23
14 Foot mounting MF	- For mounting the axis on the end cap - With higher forces and torques, the axis should be mounted using the profile	22

Toothed belt axes ELGA-TB-G

Type codes

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		ELGA	-	TB	-	G	-	70	-	800	-	20H
Type												
ELGA	Toothed belt axis											
Drive function												
TB	Toothed belt											
Guide												
G	Plain-bearing guide											
Size												
Stroke [mm]												
Stroke reserve												

Toothed belt axes ELGA-TB-G

Type codes

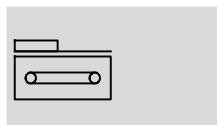
→	+	MF2SA	-	DN
Accessories enclosed separately				
MF	Foot mounting			
...MA	Profile mounting			
...SA	Proximity sensor (SIES), inductive, T-slot, PNP, N/O contact, 7.5 m cable			
...SB	Proximity sensor (SIES), inductive, T-slot, PNP, N/C contact, 7.5 m cable			
...SC	Proximity sensor (SIEN), inductive, M8, PNP, N/O contact, 2.5 m cable			
...SD	Proximity sensor (SIEN), inductive, M8, PNP, N/C contact, 2.5 m cable			
...SE	Proximity sensor (SIEN), inductive, M8, PNP, N/O contact, plug M8			
...SF	Proximity sensor (SIEN), inductive, M8, PNP, N/C contact, plug M8			
...CA	Connecting cable			
...NS	Sensor slot cover			
...NC	Mounting slot cover			
...NM	Slot nut for mounting slot			
...CM	Cable clip			
...EA	Drive shaft			
Operating instructions				
DN	None			

Toothed belt axes ELGA-TB-G

Technical data

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Function



-  - Size
70 ... 120
-  - Stroke length
50 ... 8,500 mm
-  - www.festo.com



General technical data				
Size		70	80	120
Design		Electromechanical axis with toothed belt		
Guide		Plain-bearing guide		
Mounting position		Any		
Working stroke	[mm]	50 ... 8,500	50 ... 8,500	50 ... 8,500
Max. feed force F_x	[N]	350	800	1,300
Max. no-load torque ¹⁾	[Nm]	0.5	1	3
Max. no-load resistance to shifting ¹⁾	[N]	35	50	114
Max. driving torque	[Nm]	5	15.9	34.2
Max. speed	[m/s]	5		
Max. acceleration	[m/s ²]	50		
Repetition accuracy	[mm]	±0.08		

1) At 0.2 m/s

Operating and environmental conditions		
Ambient temperature	[°C]	-10 ... +60
Protection class		IP40
Duty cycle	[%]	100

Weight [kg]			
Size	70	80	120
Basic weight with 0 mm stroke ¹⁾	2.16	4	11.8
Additional weight per 1,000 mm stroke	2.64	3.56	7.45
Moving load	0.57	1.1	3.06

1) Incl. slide

Toothed belt			
Size	70	80	120
Pitch	[mm]	3	5
Expansion ¹⁾	[%]	0.31	0.19
Effective diameter	[mm]	28.65	39.79
Feed constant	[mm/rev.]	90	125

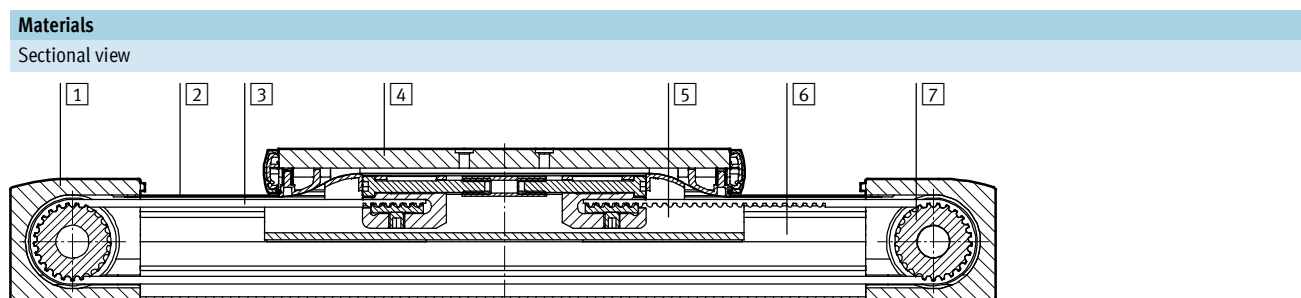
1) At max. feed force

Toothed belt axes ELGA-TB-G

Technical data

Mass moment of inertia				
Size		70	80	120
J ₀	[kg mm ²]	175	666	3,201
J _S per metre stroke	[kg mm ² /m]	19	93	215
J _L per kg effective load	[kg mm ² /kg]	205	396	690

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

$$J_A = J_0 + J_S \times \text{working stroke [m]} + J_L \times m_{\text{effective load [kg]}}$$


Axis		
1	Drive cover	Anodised wrought aluminium alloy
2	Cover band	Steel
3	Toothed belt	Polychloroprene with glass cord and nylon coating
4	Slide	Anodised wrought aluminium alloy
5	Slide elements	Polyacetal
6	Profile with integrated guide	Anodised wrought aluminium alloy
7	Toothed belt disc	High-alloy stainless steel
Note on materials		RoHS-compliant
		Contains PWIS (paint-wetting impairment substances)

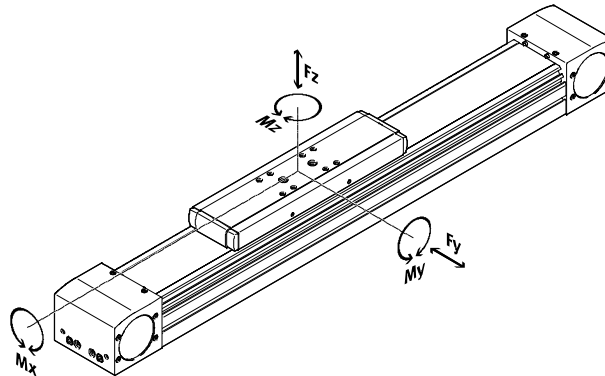
Toothed belt axes ELGA-TB-G

Technical data

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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 satisfied in addition to the indicated maximum loads:

Calculating the load comparison factor:

$$\frac{|F_{y,dyn}|}{F_{y,max}} + \frac{|F_{z,dyn}|}{F_{z,max}} + \frac{|M_{x,dyn}|}{M_{x,max}} + \frac{|M_{y,dyn}|}{M_{y,max}} + \frac{|M_{z,dyn}|}{M_{z,max}} \leq 1$$

Permissible forces and torques				
Size		70	80	120
$F_{y,max}$	[N]	80	200	380
$F_{z,max}$	[N]	400	800	1,600
$M_{x,max}$	[Nm]	5	10	20
$M_{y,max}$	[Nm]	30	60	120
$M_{z,max}$	[Nm]	10	20	40

Note

The plain-bearing guide is not backlash-free. The toothed belt axis EGC-TB-KF is recommended for applications that require freedom from backlash or applications involving high torque loads.

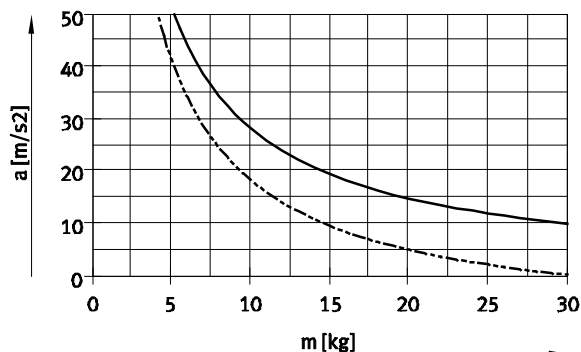
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Toothed belt axes ELGA-TB-G

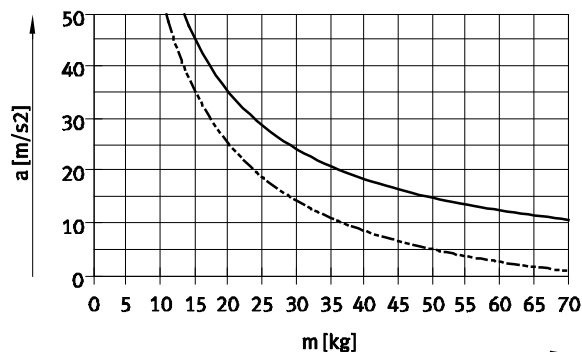
Technical data

Maximum acceleration a as a function of applied load m

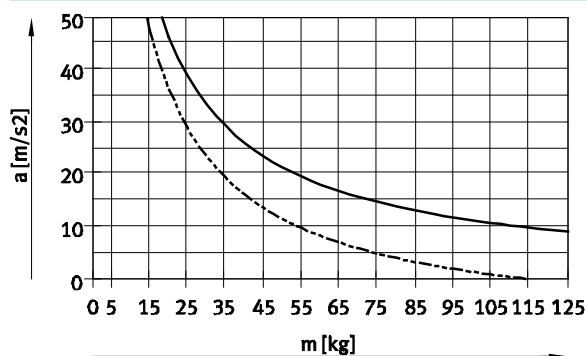
ELGA-TB-G-70



ELGA-TB-G-80

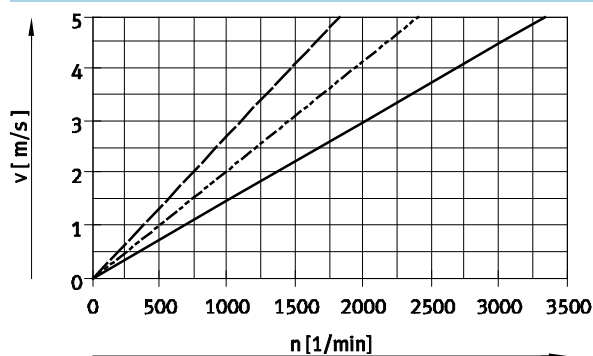


ELGA-TB-G-120



— Horizontal
- - - Vertical

Speed v as a function of rotational speed n



— ELGA-TB-G-70
- - - ELGA-TB-G-80
- - - ELGA-TB-G-120

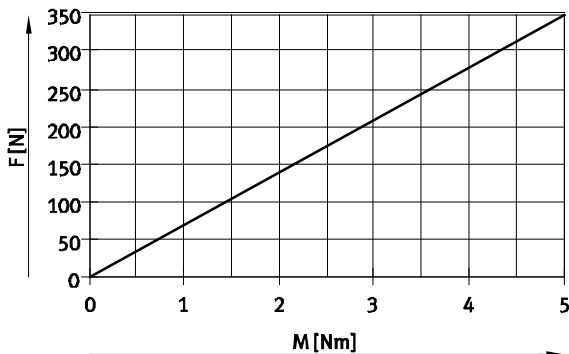
Toothed belt axes ELGA-TB-G

Technical data

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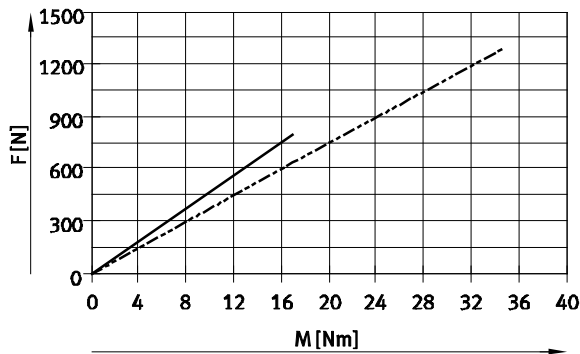
Theoretical feed force F as a function of input torque M

ELGA-TB-G-70



ELGA-TB-G-70

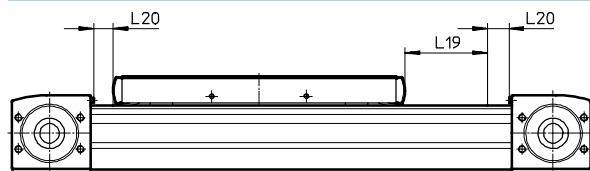
ELGA-TB-G-80/120



ELGA-TB-G-80

ELGA-TB-G-120

Stroke reserve



L19 = Nominal stroke

L20 = Stroke reserve

- The stroke reserve is a safety distance that can be available on both sides of the axis in addition to the nominal stroke

- The sum of the nominal stroke and 2x stroke reserve must not exceed the maximum working stroke

- The stroke reserve length can be freely selected
- The stroke reserve is defined via the "stroke reserve" attribute in the modular product system

Example:

Type ELGA-TB-G-70-500-20H-...

Nominal stroke = 500 mm

2x stroke reserve = 40 mm

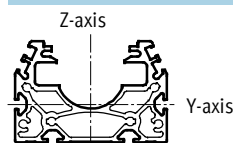
Working stroke = 540 mm

(540 mm = 500 mm + 2x 20 mm)

The toothed belt axis ELGA features a safety distance to the end positions as standard.

Size	70	80	120
Safety distance per end position [mm]	4.5	5	5

2nd moment of area



Size	70	80	120
Iy [mm ⁴]	1.47x10 ⁵	2.77x10 ⁵	1.23x10 ⁶
Iz [mm ⁴]	4.25x10 ⁵	9.07x10 ⁵	4.03x10 ⁶

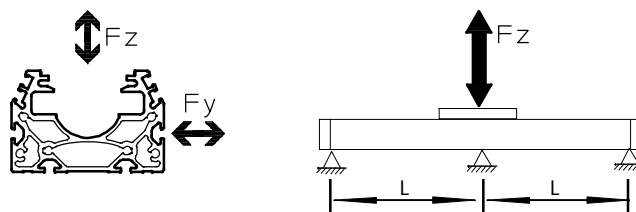
Toothed belt axes ELGA-TB-G

Technical data

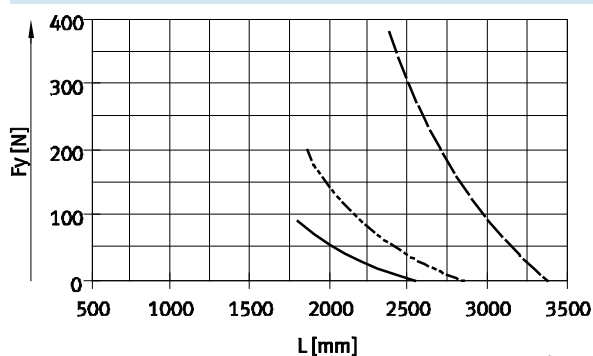
Maximum permissible support span L (without profile mounting) as a function of force F

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

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

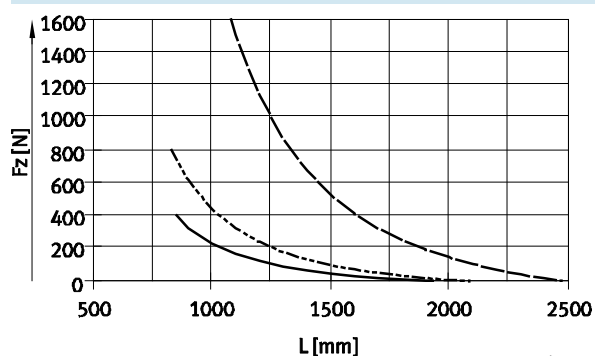


Force Fy



- ELGA-TB-G-70
- - - ELGA-TB-G-80
- · - ELGA-TB-G-120

Force Fz



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 (load stationary)
70 ... 120	0.05% of the axis length, max. 0.5 mm	0.1% of the axis length

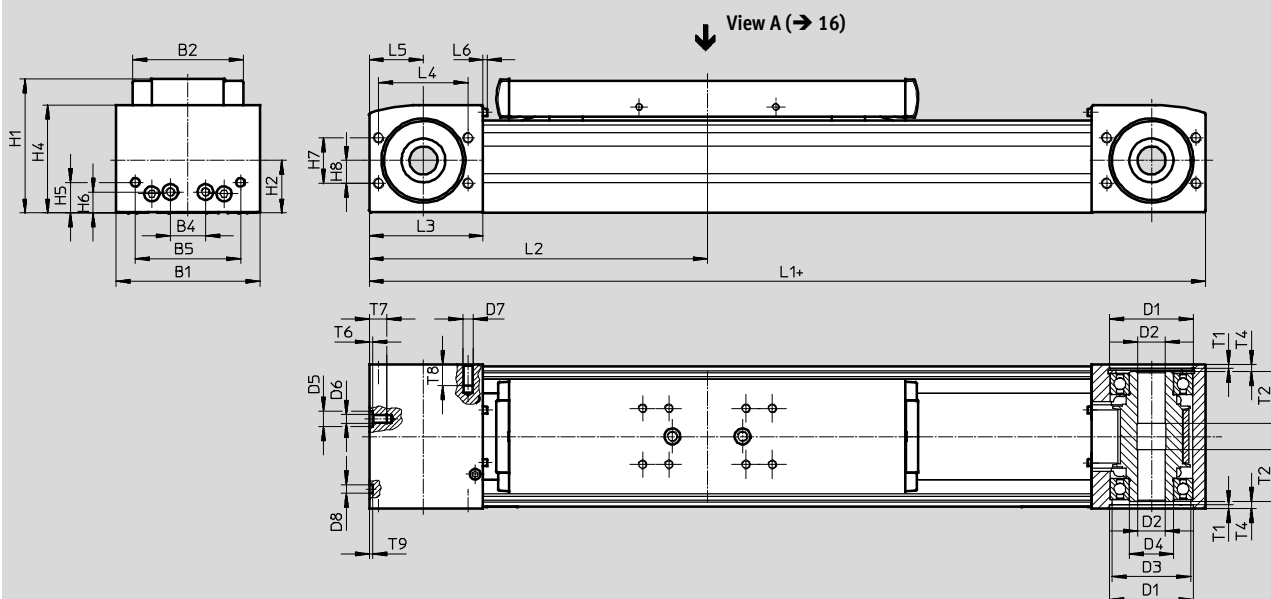
Toothed belt axes ELGA-TB-G

Technical data

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Dimensions

Download CAD data → www.festo.com



Size	B1	B2	B4	B5	D1	D2	D3	D4	D5	D6	D7
					H7	Ø	Ø	Ø	Ø	H7	
70	69	48.2	30	45	38	16	34	25	–	M5	M6
80	82	63.2	20	60	48	16	45	25	9	M5	M6
120	120	95	80	40	80	23	72	45	–	M8	M8

Size	D8	H1	H2	H4	H5	H6	H7	H8	L1	L2	L3
	Ø									min.	
70	5	64	26.5	50.8	13	13	24	12	346	173	57.5
80	5	76.5	30	61.5	17.5	12	26	13	386	193	65
120	9	111.5	45	91	22	22	59	32	546	273	100

Size	L4	L5	L6	T1	T2	T4	T6	T7	T8	T9
70	42	27.5	2.3	2.1	18	7.15	–	10	12	3.1
80	51	31	2.3	2.1	29.5	4	2.1	10	12	2
120	76	50	2.5	3.1	29.5	4	–	16	16	2.1

Toothed belt axes ELGA-TB-G

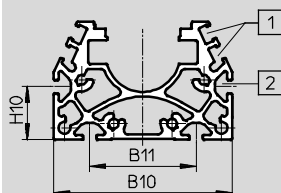
Technical data

Dimensions

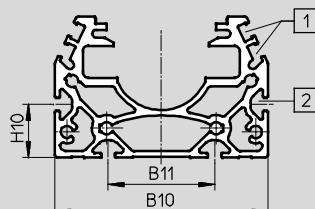
Download CAD data → www.festo.com

Profile

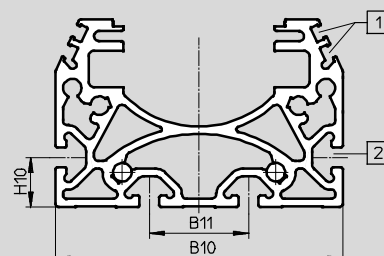
Size 70



Size 80



Size 120



- 1 Sensor slot for proximity sensor
- 2 Mounting slot for slot nut:
for size 70, 80: slot nut NST-5-M5
for size 120: slot nut NST-8-M6

Size	B10	B11	H10
70	67	40	20
80	80	40	20
120	116	40	20

Note

To avoid distortions in the slide, the bearing surfaces of the attachments must maintain a flatness of at least 0.03 mm.

Toothed belt axes ELGA-TB-G

Technical data

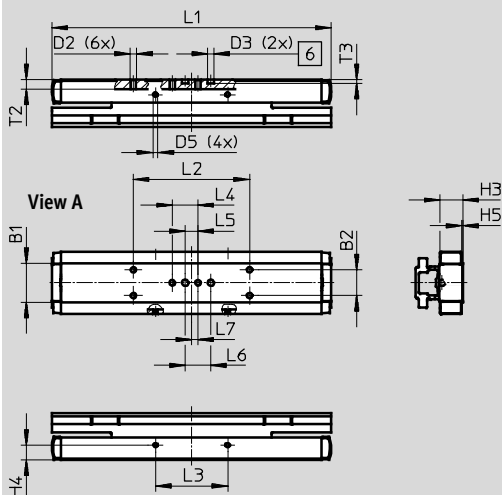
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Dimensions

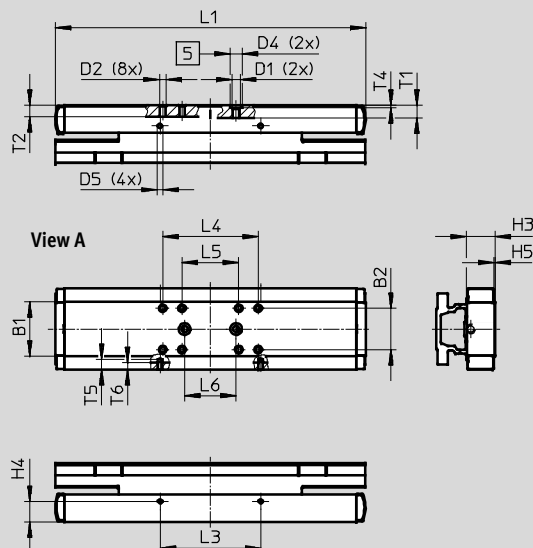
Download CAD data → www.festo.com

Slides

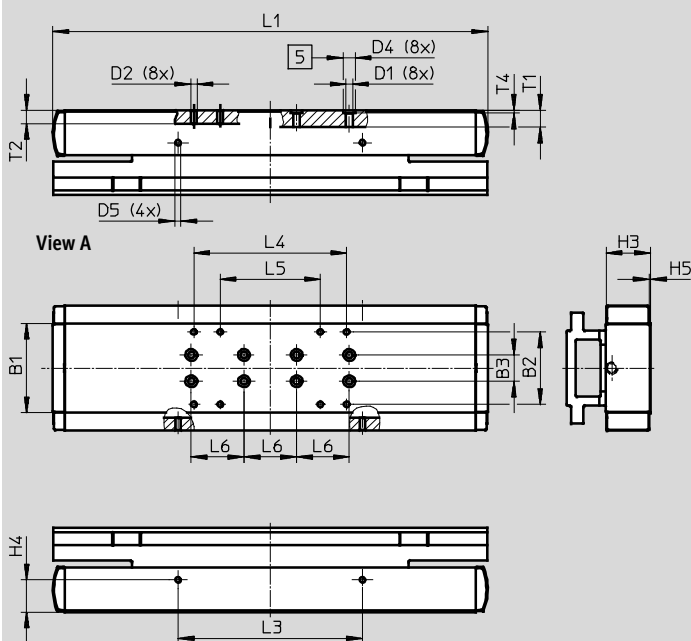
Size 70



Size 80



Size 120



- 5 Hole for centring sleeve
- 6 Hole for centring pin

Toothed belt axes ELGA-TB-G

Technical data

Size	B1	B2	B3	D1	D2	D3 Ø	D4 Ø	D5
70	30	20±0.1	–	–	M5	5 ^{H7}	–	M4
80	42	32±0.2	–	M6	M5	–	9 ^{H7}	M4
120	68	55±0.2	20±0.03	M6	M5	–	9 ^{H7}	M5

Size	H3	H4 ±0.1	H5	L1	L2 ±0.1	L3 ±0.1	L4	L5
70	17.7	11.7	1	216.6	90	56	20±0.1	10±0.1
80	22.2	16	1	240.6	–	78	74±0.2	44±0.2
120	33.8	24.5	1	330.4	–	140	116±0.2	76±0.2

Size	L6 ±0.03	L7	T1	T2	T3 +0.1	T4 +0.1	T5	T6
70	20	5	–	7.5	3.1	–	–	–
80	40	–	9.7	9	–	2.1	8	6
120	40	–	12.8	10	–	2.1	–	–

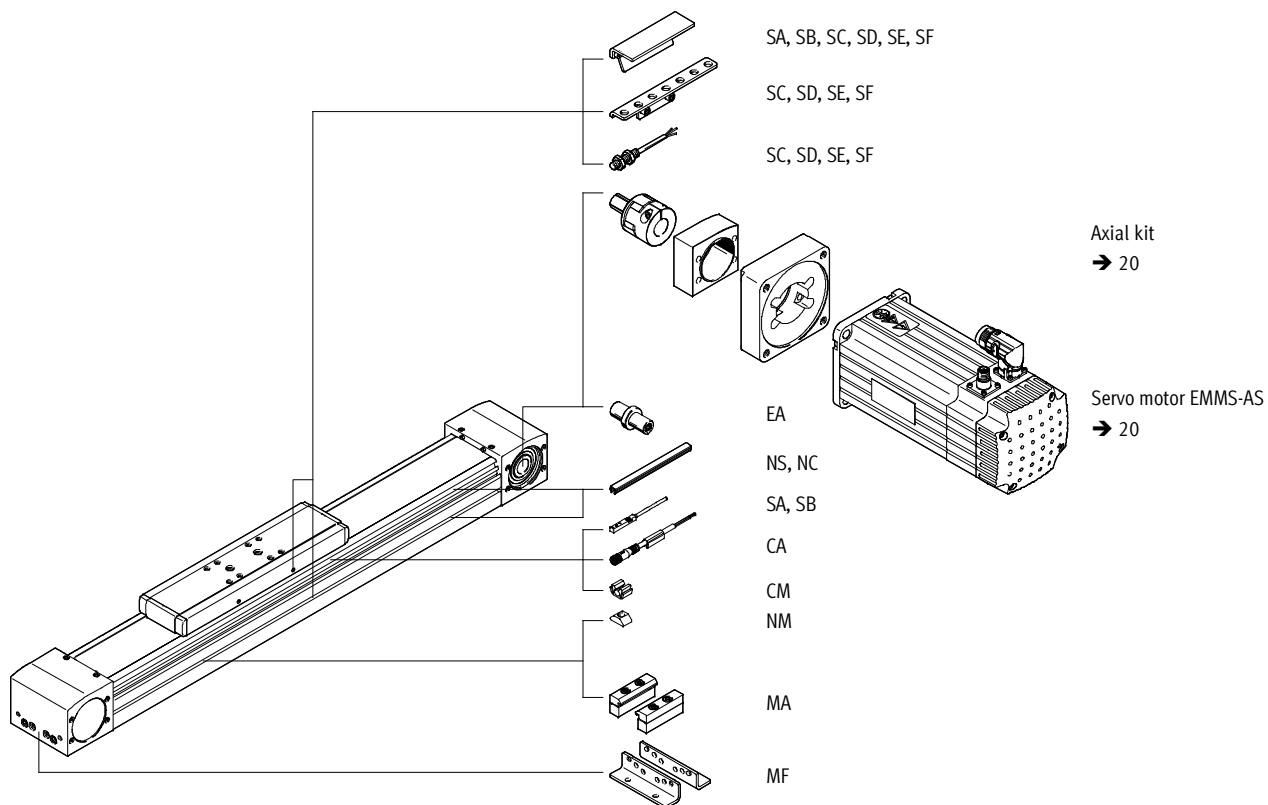
Toothed belt axes ELGA-TB-G

Ordering data – Modular products

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Order code

Accessories



Toothed belt axes ELGA-TB-G

Ordering data – Modular products

Ordering table							
Size		70	80	120	Condi- tions	Code	Enter code
[M]	Module No.	570502	570503	570504			
	Design	Linear axis				ELGA	ELGA
	Function	Toothed belt				-TB	-TB
	Guide	Plain-bearing guide				-G	-G
	Size [mm]	70	80	120		-...	-...
	Stroke length [mm]	50 ... 8,500				-...	-...
	Stroke reserve	0 ... 999 (0 = no stroke reserve)			1	-...H	
	Accessories	Accessories enclosed separately				+	+
	Foot mounting	1				MF	
	Profile mounting	1 ... 50				...MA	
	Proximity sensor (SIES), inductive, T-slot, PNP, incl. switch lug	N/O contact, 7.5 m cable	1 ... 6			...SA	
		N/C contact, 7.5 m cable	1 ... 6			...SB	
	Proximity sensor (SIEN), inductive, M8, PNP, incl. switch lug with sensor bracket	N/O contact, 2.5 m cable	1 ... 99			...SC	
		N/C contact, 2.5 m cable	1 ... 99			...SD	
		N/O contact, plug M8	1 ... 99			...SE	
		N/C contact, plug M8	1 ... 99			...SF	
	Connecting cable 2.5 m, M8, 3-wire	1 ... 99				...CA	
	Sensor slot cover	1 ...50 (1 = 2 units, 500 mm length)				...NS	
	Mounting slot cover	1 ...50 (1 = 2 units, 500 mm length)				...NC	
	Slot nut for mounting slot	1 ... 99				...NM	
	Clip for sensor slot	1 ... 99				...CM	
	Drive shaft	1 ... 4				...EA	
	Operating instructions	Express waiver - no operating instructions to be included (already available) (operating instructions in PDF format are available free of charge on our website at http://www.festo.com)				-DN	

[1] The sum of the nominal stroke and 2x stroke reserve must be at least 50 mm and must not exceed the maximum stroke length.

The code SA, SB includes a switch lug in the scope of delivery.

The code SC, SD, SE, SF includes one switch lug and max. two sensor brackets in the scope of delivery.

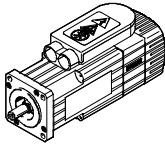
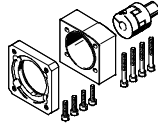
Transfer order code

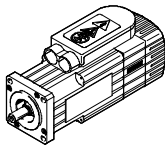
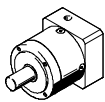
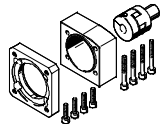
ELGA - **TB** - **G** - - - + -

Toothed belt axes ELGA-TB-G

Accessories

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Permissible axis/motor combinations with axial kit – Without gear unit			Technical data → Internet: eamm-a
Motor	Axial kit		
			
Type	Part No.	Type	
ELGA-TB-...-70			
With servo motor			
EMMS-AS-70-M-...	1202331	EAMM-A-N38-70A	
ELGA-TB-...-80			
With servo motor			
EMMS-AS-100-M-...	1201894	EAMM-A-N48-100A	
ELGA-TB-...-120			
With servo motor			
EMMS-AS-140-M-...	1201691	EAMM-A-N80-140A	

Permissible axis/motor combinations with axial kit – With gear unit			Technical data → Internet: eamm-a	
Motor	Gear unit		Axial kit	
				
Type	Part No.	Type	Part No.	Type
ELGA-TB-...-70				
With servo motor				
EMMS-AS-70-S-...	552190	EMGA-60-P-G3-SAS-70	1202253	EAMM-A-N38-60G
ELGA-TB-...-80				
With servo motor				
EMMS-AS-70-M-...	552192	EMGA-80-P-G3-SAS-70	1258793	EAMM-A-N48-80G
EMMS-AS-100-S-...	552194	EMGA-80-P-G3-SAS-100	1258793	EAMM-A-N48-80G
ELGA-TB-...-120				
With servo motor				
EMMS-AS-140-S-...	552198	EMGA-120-P-G3-SAS-140	1201695	EAMM-A-N80-120G

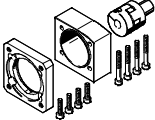
 **Note**

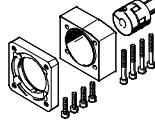
For the optimum selection of axis/
motor combinations →

PositioningDrives
sizing software
www.festo.com

Toothed belt axes ELGA-TB-G

Accessories

Component parts of the axial kit – Without gear unit				
Axial kit	consisting of:			
	Motor flange	Coupling	Coupling housing	Screw set
				
Part No. Type	Part No. Type	Part No. Type	Part No. Type	Part No. Type
ELGA-TB-...-70				
1202331 EAMM-A-N38-70A	1202337 EAMF-A-38D-70A	558001 EAMD-32-32-11-16X20	1345947 EAMK-A-N38-38D	1202288 EAHM-L5-M6-35
ELGA-TB-...-80				
1201894 EAMM-A-N48-100A	1201924 EAMF-A-48C-100A	558002 EAMD-42-40-19-16X25	1345949 EAMK-A-N48-48C	1201874 EAHM-L5-M6-50
ELGA-TB-...-120				
1201691 EAMM-A-N80-140A	1190796 EAMF-A-80A-140A	558005 EAMD-56-46-24-23X27	1345953 EAMK-A-N80-80A	1201751 EAHM-L5-M8-75

Component parts of the axial kit – With gear unit				
Axial kit	consisting of:			
	Motor flange	Coupling	Coupling housing	Screw set
				
Part No. Type	Part No. Type	Part No. Type	Part No. Type	Part No. Type
ELGA-TB-...-70				
1202253 EAMM-A-N38-60G	1190015 EAMF-A-38D-60G	558001 EAMD-32-32-11-16X20	1345947 EAMK-A-N38-38D	1202262 EAHM-L5-M6-40
ELGA-TB-...-80				
1258793 EAMM-A-N48-80G	1190375 EAMF-A-48C-80G	1188350 EAMD-42-40-20-16X25	1345949 EAMK-A-N48-48C	1201874 EAHM-L5-M6-50
ELGA-TB-...-120				
1201695 EAMM-A-N80-120G	1190702 EAMF-A-80A-120G	1188801 EAMD-56-46-25-23X27	1345953 EAMK-A-N80-80A	1201712 EAHM-L5-M8-60

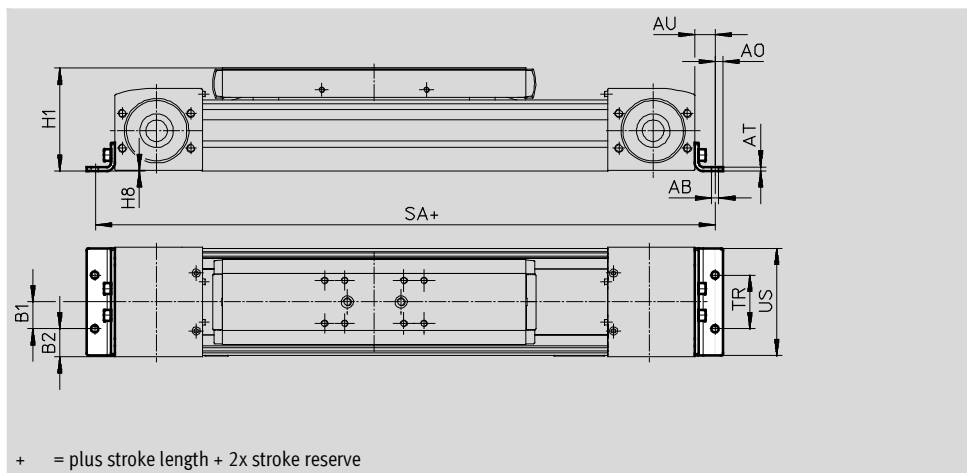
Toothed belt axes ELGA-TB-G

Accessories

FESTO

Foot mounting HPE
(order code MF)

Material:
Galvanised steel
Conforms to RoHS



Dimensions and ordering data							
For size	AB Ø	A0	AT	AU	B1	B2	H1
70	5.5	6	3	13	20	14.5	64
80	5.5	6	3	15	20	21	76.5
120	9	8	6	22	40	20	111.5

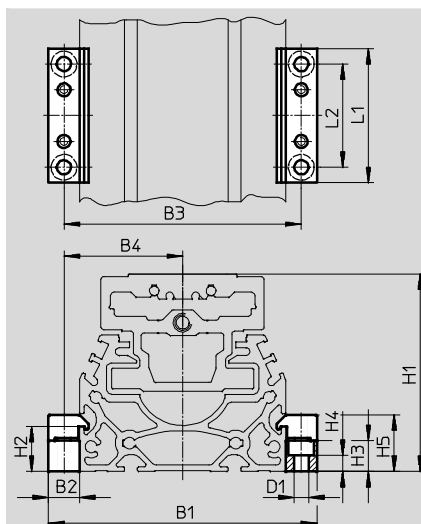
For size	H8	SA	TR	US	Weight [g]	Part No.	Type
70	0.5	372	40	67	115	558321	HPE-70
80	0.5	416	40	80	150	558322	HPE-80
120	0.5	590	80	116	578	558323	HPE-120

Toothed belt axes ELGA-TB-G

Accessories

Profile mounting MUE (order code MA)

Material:
Anodised aluminium
Conforms to RoHS



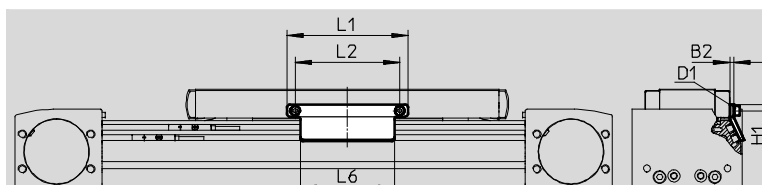
Dimensions and ordering data

For size	B1	B2	B3	B4	D1 Ø	H1	H2	H3
70	91	12	79	39.5	5.5	64	17.5	12
80	104	12	92	46	5.5	76.5	17.5	12
120	154	19	135	67.5	9	111.5	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

Switch lug SF-EGC-1 for sensing with proximity sensor SIES-8M (order code SA or SB)

Material:
Galvanised steel
Conforms to RoHS



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

Toothed belt axes ELGA-TB-G

Accessories

FESTO

Switch lug SF-EGC-2

for sensing with proximity sensor
SIEN-M8B (order code SC, SD, SE or
SF) or SIES-8M (order code SA or SB)

Material:

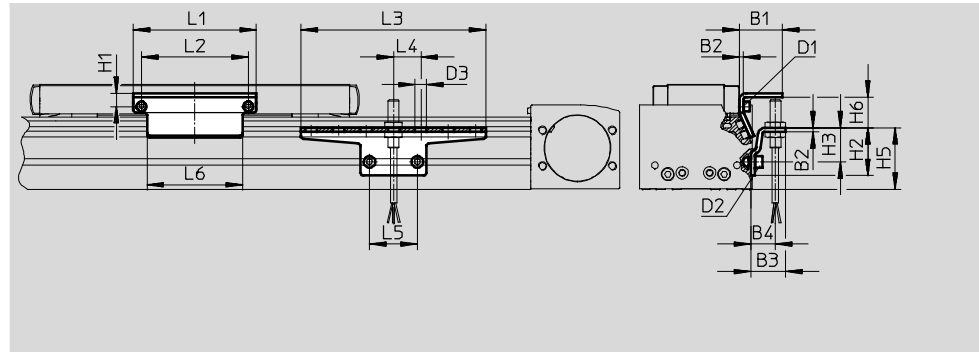
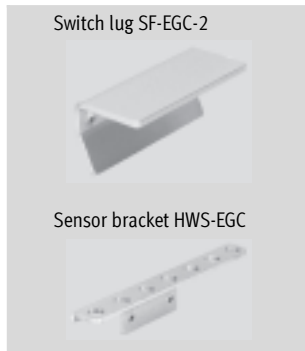
Galvanised steel
Conforms to RoHS

Sensor bracket HWS-EGC

for proximity sensor SIEN-M8B
(order code SC, SD, SE or SF)

Material:

Galvanised steel
Conforms to RoHS



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

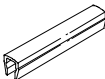
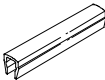
For size	H3	H5	H6 max.	L1	L2	L3	L4	L5	L6
70	25	45	13.5	70	56	135	20	35	50
80	25	45	23.5	90	78	135	20	35	70
120	55	75	24	170	140	215	20	35	170

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

For size	Weight [g]	Part No.	Type
Sensor bracket			
70	110	558057	HWS-EGC-M5
80	110	558057	HWS-EGC-M5
120	200	558058	HWS-EGC-M8

Toothed belt axes ELGA-TB-G

Accessories

Ordering data						
	For size	Comment	Order code	Part No.	Type	PU ¹⁾
Drive shaft EAMB						
	70	Alternative interface	EA	1344642	EAMB-24-9-15X21-16X20	1
	80			558036	EAMB-24-6-15X21-16X20	
	120			558037	EAMB-34-6-25X26-23X27	
Slot nut NST						
	70, 80	For mounting slot	NM	150914	NST-5-M5	1
	120			150915	NST-8-M6	
Centring pin/sleeve ZBS/ZBH ²⁾						
	70	For slide	–	150928	ZBS-5	10
	80, 120			150927	ZBH-9	
Slot cover ABP						
	70, 80	For mounting slot every 0.5 m	NC	151681	ABP-5	2
	120			151682	ABP-8	
Slot cover ABP-S						
	70 ... 120	For sensor slot every 0.5 m	NS	563360	ABP-5-S1	2
Clip SMBK						
	70 ... 120	For sensor slot, for attaching the proximity sensor cables	CM	534254	SMBK-8	10

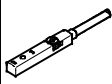
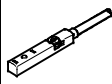
1) Packaging unit

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

Toothed belt axes ELGA-TB-G

Accessories

FESTO

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	SA	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	SB	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 – Proximity sensors M8 (round design), inductive						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	SC	150386	SIEN-M8B-PS-K-L
	Plug M8x1, 3-pin	■	PNP	–	SE	150387	SIEN-M8B-PS-S-L
N/C contact							
	Cable, 3-wire	■	PNP	2.5	SD	150390	SIEN-M8B-PO-K-L
	Plug M8x1, 3-pin	■	PNP	–	SF	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	