



Electromechanical drives

Selection aid

Overview of toothed belt and spindle axes

- Toothed belt axes
- Speeds of up to 10 m/s
- Acceleration of up to 50 m/s²
- Repetition accuracy of up to ±0.08 mm
- Strokes of up to 8,500 mm (longer strokes on request)
- Flexible motor mounting

Spindle axes

- Speeds of up to 2 m/s
- Acceleration of up to 20 $\ensuremath{\text{m/s}}^2$
- Repetition accuracy of up to ± 0.003 mm
- Strokes of up to 3,000 mm



oothed belt axes	1-		1	1	1	
ype	F _x	v	Mx	My	Mz	Properties
	[N]	[m/s]	[Nm]	[Nm]	[Nm]	
leavy-duty recirculating bal	l bearing guid	le				
EGC-HD-TB	00					
	450	3	140	275	275	• Flat drive unit with rigid, closed profile
	1,000	5	300	500	500	Precision, resilient DUO guide rail
	1,800	5	900	1,450	1,450	 Ideal as a basic axis for linear gantries and cantilever axes
	1,000	5	,	1,450	1,450	actual a subje axis for threat gantiles and cantilever axes
	• •					
ecirculating ball bearing g	uide					
EGC-TB-KF	1	1-	1			
	50	3	3.5	10	10	• Rigid, closed profile
0	100	5	16	132	132	• Precision, resilient guide rail
	350	5	36	228	228	Small drive pinions reduce necessary driving torque
	800	5	144	680	680	 Space-saving position sensing
	2,500	5	529	1,820	1,820	
ELGR-TB						
	50	3	2.5	20	20	Cost-optimised rod guide
	100	3	5	40	40	Ready-to-install unit
	350	3	15	124	124	Resilient ball bearings for dynamic operation
	550	5				
		·				
oller bearing guide						
ELGA-TB-RF						
E E	350	10	11	40	40	 Heavy-duty roller bearing guide
	800	10	30	180	180	 Guide and toothed belt protected by cover strip
(5)	1,300	10	100	640	640	 Speeds of up to 10 m/s
						 Lower weight than axes with guide rails
lain-bearing guide						
ELGA-TB-G		1-	1-			
	350	5	5	30	10	Guide and toothed belt protected by cover strip
	800	5	10	60	20	• For simple handling tasks
L.	1,300	5	120	120	40	 As an actuator for external guides
						 Insensitive to harsh environmental conditions
		4	4	10	10	• Cost entire is a unit.
ELGR-TB-GF		1	1	10	10	Cost-optimised rod guide
ELGR-TB-GF	50					
ELGR-TB-GF	100	1	2.5	20	20	Ready-to-install unit
ELGR-TB-GF			2.5 1	20 40	20 40	Heavy-duty plain bearings for use in harsh environmental
ELGR-TB-GF	100	1				

Electromechanical drives

Selection aid

Overview of toothed belt and spindle axes

- Toothed belt axes
- Speeds of up to 10 m/s
- Acceleration of up to 50 m/s²
- Repetition accuracy of up to ± 0.08 mm
- Strokes of up to 8,500 mm (longer strokes on request)
- Flexible motor mounting

Spindle axes

- Speeds of up to 2 m/s
- Acceleration of up to 20 $\ensuremath{\text{m/s}}^2$
- Repetition accuracy of up to ±0.003 mm
- Strokes of up to 3,000 mm



Spindle axes						
уре	F _x	v	Mx	My	Mz	Properties
	[N]	[m/s]	[Nm]	[Nm]	[Nm]	
leavy-duty recirculatin	ng ball bearing gui	ide				
EGC-HD-BS						
	300	0.5	140	275	275	Flat drive unit with rigid, closed profile
	600	1.0	300	500	500	 Precision, resilient DUO guide rail
	1,300	1.5	900	1,450	1,450	• Ideal as a basic axis for linear gantries and cantilever axes
`						
ecirculating ball bear	ing guide					
EGC-BS-KF	s 300	0.5	16	132	132	Rigid, closed profile
	600	1.0	36	228	228	 Precision, resilient guide rail
	1,300	1.0	144	680	680	 For extremely high requirements for speed, acceleration and torg
		2.0	144 529			 For extremely high requirements for speed, acceleration and torq resistance
	3,000	2.0	529	1,820	1,820	
•						Space-saving position sensing
EGSK						
	57	0.33	13	3.7	3.7	Spindle axes with maximum precision, compactness and rigidity
	133	1.10	28.7	9.2	9.2	 Recirculating ball bearing guide and ball screw without caged ba
A SECOND	184	0.83	60	20.4	20.4	bearings
	239	1.10	79.5	26	26	 Standard designs in stock
	392	1.48	231	77.3	77.3	
EGSP						
	112	0.6	36.3	12.5	12.5	• Spindle axes with maximum precision, compactness and rigidity
	212	0.6	81.5	31.6	31.6	• Recirculating ball bearing guide with caged ball bearings
	466	2.0	90.3	32.1	32.1	• Ball screw sizes 33, 46 with caged ball bearings
	460	2.0	258	94	94	

Key features

At a glance

- Ideal price/performance ratio
- Ready-to-install unit for quick and easy configuration
- Excellent reliability thanks to tested service life of 5,000 km
- Motor assembly possible on 4 sides with identical mounting accessories
- Complete kit for simple and space-saving solution for end-position sensing
- Plain-bearing guide
 For small loads
 - Operating behaviour with torque load = Average
 - Guide backlash = 0.05 mm (on delivery)
- Recirculating ball bearing guide - For medium loads
 - Operating behaviour under torque load = Very good
 - Backlash-free guide
 - (preloaded guide elements)

Applications

- Pick and Place with effective loads of up to 15 kg
- Positioning and handling with low process forces
- Actuation of guard doors in processing machines

Characteristic values of the axes

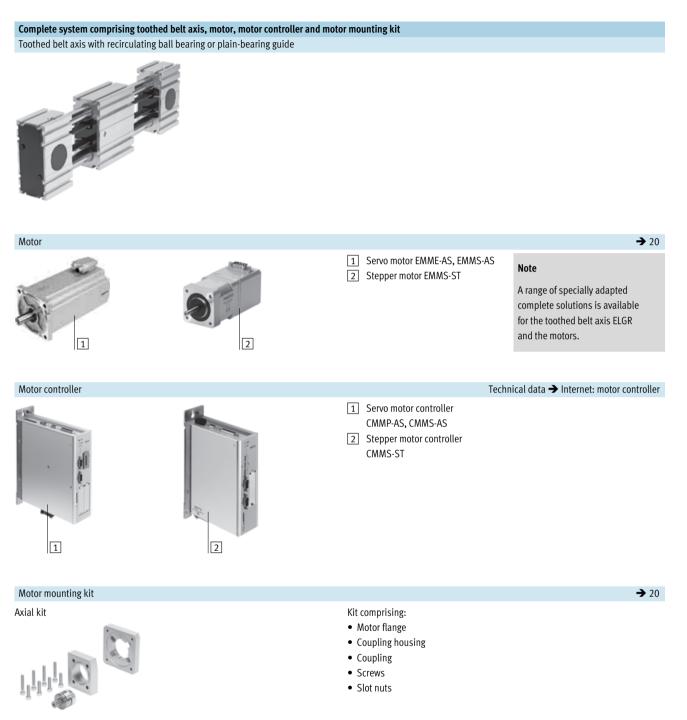
The specifications shown in the table are maximum values. The precise values for each of the variants can be found in the relevant technical data.

Version	Size	Working stroke	Speed	Repetition	Feed force	Guide characteristics					
				accuracy		Forces and torques					
						Fy	Fz	Mx	My	Mz	
		[mm]	[m/s]	[mm]	[N]	[N]	[N]	[Nm]	[Nm]	[Nm]	
- Do	35	50 800	3	±0.1	50	50	50	2.5	20	20	
	45	50 1,000	3	±0.1	100	100	100	5	40	40	
	55	50 1,500	3	±0.1	350	300	300	15	124	124	

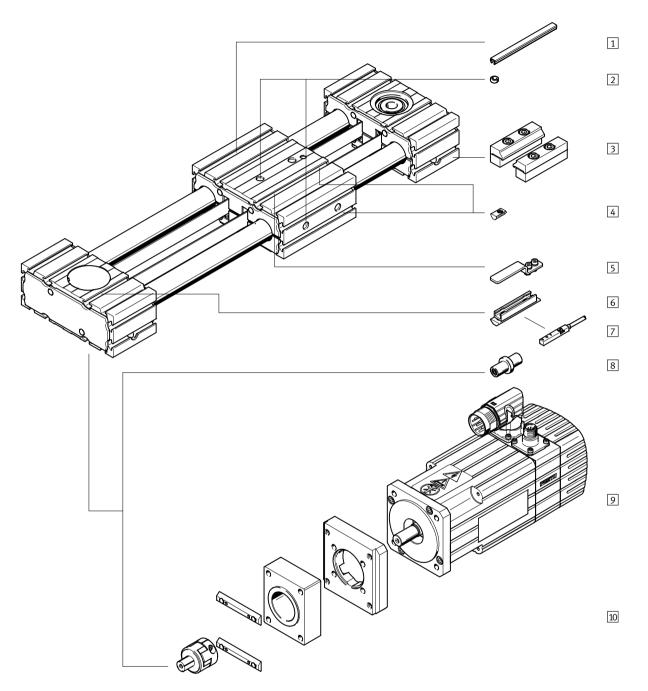
Note

PositioningDrives sizing software www.festo.com

Key features



Toothed belt axes ELGR Peripherals overview



Peripherals overview

aria	nts and accessories		
	Туре	Brief description	→ Page/Internet
1	Slot cover	• For protecting against ingress of dirt	22
	NC		
2	Centring sleeve	For centring loads and attachments on the slide	22
	ZBH	• 2 centring sleeves included in the scope of delivery of the axis	
3	Profile mounting	For mounting the axis on the bearing cap	21
	MA		
4	Slot nut	For mounting attachments	22
	NM		
5	Switching lug	For sensing the slide position	21
	SA, SB		
6	Sensor bracket	Adapter for mounting the inductive proximity sensors on the axis	21
	SA, SB		
7	Proximity sensor, slot type 8	Inductive proximity sensor, for slot type 8	23
	SA, SB	• The order code SA, SB includes 1 switching lug and 1 sensor bracket	
		in the scope of delivery	
8	Drive shaft	Can be used as an alternative interface if required	22
	EA	 The axis/motor combinations → 20 do not require a drive shaft 	
9	Motor	Motors specially matched to the axis, with or without brake	20
	EMMS		
0	Axial kit	For axial motor mounting (comprising: coupling, coupling housing and motor flange)	20
	EAMM		
	Connecting cable	For proximity sensor (order code SA and SB)	23
	NEBU		

FESTO

Type codes

		ELGR	-	TB	-	- 45]-[500] - [30H	-	L	-	
Туре														
ELGR	Linear axis													
Drive fu	inction													
TB	Toothed belt													
Guide														
-	Recirculating ball bearing guide													
GF	Plain-bearing guide													
Size														
Stroke	[mm]													
Stroke	reserve													
Slide											_			
-	Slide Standard]	
L	Slide, long													
Additio	nalslide													
-	No additional slide													
ZR	1 slide on right													
ZL	1 slide on left													
ZB	1 slide on right, 1 slide on left													

Type codes

→	+	2SA		4NM	EA	2MA
Proxim	ity sensor					
SA	Proximity sensor (SIES), inductive,		2			
	slot type 8, PNP, N/O contact, cabl	e 7.5 m				
SB	Proximity sensor (SIES), inductive,					
	slot type 8, PNP, N/C contact, cable	e 7.5 m				
Cover						
NC	For mounting slot			1		
Slot nu	t					
NM	For mounting slot					
Drive s	haft					
EA	Drive shaft					
Profile	mounting					
MA	Profile mounting					

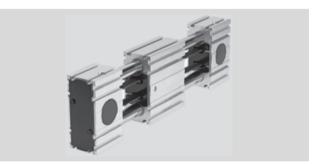
Technical data

Function



-N- Size 35 ... 55 -T- Stroke length 50 ... 1,500 mm

www.festo.com/en/ Spare_parts_service



General technical data

General technical uala							
Size		35	45	55			
Constructional design		Electromechanical line	Electromechanical linear axis with toothed belt				
Guide		Recirculating ball bear	ing guide				
		Plain-bearing guide					
Mounting position		Any					
Working stroke	[mm]	50 800	50 1,000	50 1,500			
Max. feed force F _x	[N]	50	100	350			
Max. no-load torque	[Nm]	0.1	0.2	0.4			
Max. driving torque	[Nm]	0.46	1.24	5			
Max. no-load resistance to displacement	[N]	10.8	16.1	27.9			
Max. speed							
Recirculating ball bearing guide	[m/s]	3					
Plain-bearing guide	[m/s]	1					
Max. acceleration ¹⁾	[m/s ²]	50					
Repetition accuracy	[mm]	±0.1					

1) The max. acceleration is dependent on the moving load, the driving torque and the max. feed force

Operating and environmental conditions

Ambient temperature						
Recirculating ball bearing guide	[°C]	-10 +50				
Plain-bearing guide	[°C]	0 +40				
Degree of protection		IP20				
Duty cycle	[%]	100				

Weight [kg]			
Size	35	45	55
Recirculating ball bearing guide			
Basic weight with 0 mm stroke ¹⁾			
Slide standard	1.5	3.2	5.4
Slide long	1.9	4.3	7.4
Additional weight per 1,000 mm stroke	2.5	5.0	7.8
Moving load	0.5	1.1	1.9
Slide			
Slide standard	0.5	1.0	1.8
Slide long	0.8	1.7	3.0
Additional slide	0.4	0.9	1.7

1) Incl. slide

Technical data

.

Weight [kg]			
Size	35	45	55
Plain-bearing guide			
Basic weight with 0 mm stroke ¹⁾			
Slide standard	1.4	3.1	5.1
Slide long	1.9	4.3	7.3
Additional weight per 1,000 mm stroke	2.5	5.0	7.8
Moving load	0.4	0.9	1.5
Slide			
Slide standard	0.4	0.9	1.5
Slide long	0.7	1.6	2.8
Additional slide	0.3	0.7	1.3

1) Incl. slide

Toothed belt				
Size		35	45	55
Pitch	[mm]	2	3	3
Tensile stress ¹⁾	[%]	0.094	0.08	0.21
Width	[mm]	10	15	19.3
Effective diameter	[mm]	18.46	24.83	28.65
Feed constant	[mm/rev.]	58	78	90

1) At max. feed force

Mass moment of inertia				
Size		35	45	55
Jo				
Slide standard	[kg mm ²]	40.26	155.13	360.48
Slide long	[kg mm ²]	66.50	271.52	638.74
J _S per metre stroke	[kg mm ² /m]	0.26	1.06	1.88
J _L per kg working load	[kg mm ² /kg]	85.19	154.13	205.21
J _W Additional slide	[kg mm ²]	36.75	136.55	301.92

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

 $J_A = J_O + K \times J_W + J_S \times working stroke [m] + J_L \times m_{effective load} [kg]$

K = Number of additional slides

Materials

Sectional vie	ew			
1	2	3	4	5

Axis

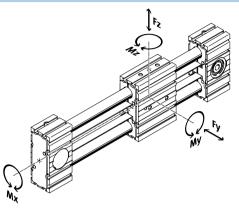
AXIS	
1 Bearing cap, profile	Wrought aluminium alloy, anodised
2 Guide rods	Steel
3 Slide, profile	Wrought aluminium alloy, anodised
4 Toothed belt	Polychloroprene with glass cord and nylon coating
5 Belt pulley	High-alloy stainless steel
Note on materials	RoHS-compliant
	Contains PWIS (paint-wetting impairment substances)

Technical data

Characteristic 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.

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:

$$f_{v} = \frac{P}{F_{v,dyn}} = \frac{P}{F_{z,dyn}} = \frac{P}{M_{x,dyn}} = \frac{P}{M_{y,dyn}} = \frac{P}{M_{z,dyn}} = \frac{P}{M_{z,dyn}} = 1$$

Permissible forces and torques for a service life of 5,000 kn

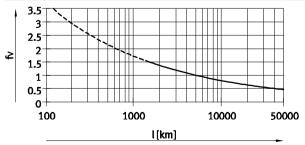
uide		Plain-bearin	ig guide		Recirculatin	Recirculating ball bearing guide			
Size		35	45	55	35	45	55		
Fy _{max.} , Fz _{max}	[N]	50	100	300	50	100	300		
Slide standard									
Mx _{max.}	[Nm]	1	2.5	5	2.5	5	15		
My _{max} .	[Nm]	4	8	16	8	16	48		
Mz _{max.}	[Nm]	4	8	16	8	16	48		
Slide long									
Mx _{max.}	[Nm]	1	2.5	5	2.5	5	15		
My _{max.}	[Nm]	10	20	40	20	40	124		
Mz _{max.}	[Nm]	10	20	40	20	40	124		

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.

This graph only shows theoretical values. Consultation with your local contact person at Festo is mandatory for load comparison factors $f_{\rm v}\,greater$ than 1.5.

Load comparison factor $f_{c}\,as\,a$ function of service life



Note

PositioningDrives sizing software www.festo.com

Example:

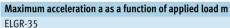
A user wants to move an X kg load. Using the above calculation gives a value of 1.5 for the load comparison factor f_V. According to the graph, the guide would have a service life of approx. 1,500 km. Reducing the acceleration reduces the Mz and My values. A load comparison factor of 1 now gives a service life of 5,000 km.

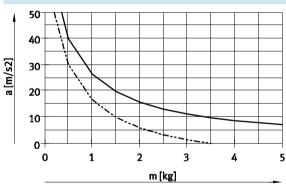
Max. load with flat mounting position

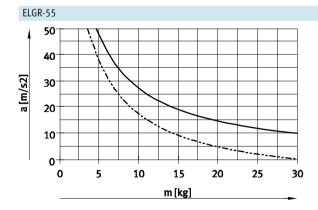
Technical data

F[N]

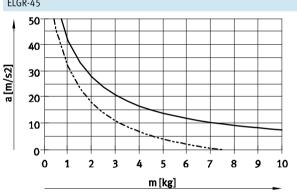
The characteristics in the graph correspond to the max. recommended deflection of 0.5 mm. In this case, the axis can no longer support the maximum load past a certain stroke length. 300-250 200 150 100 50 0-ELGR-TB-35 0 300 600 900 1200 1500 ---- ELGR-TB-45 l[mm] --- ELGR-TB-55





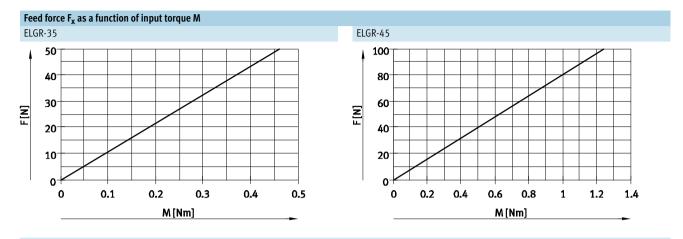


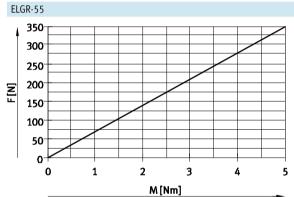


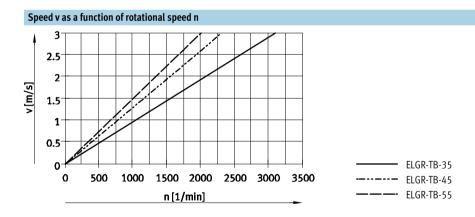


----- Horizontal

Technical data







Technical data

Min. nominal stroke With standard slide or long slide L with additional slide ZR/ZL/ZB

Size		35			45			55		
Variant		-/L	ZR/ZL	ZB	-/L	ZR/ZL	ZB	-/L	ZR/ZL	ZB
Min. nominal stroke	[mm]	50	126	202	50	146	242	50	166	282

Stroke reserve

	L18	L19
€••••		

- L18 = Nominal stroke
- L19 = Stroke reserve

- The stroke reserve is a safety distance available on both sides of the axis in addition to the nominal stroke
- The sum of the stroke length and 2x the stroke reserve must not exceed the maximum working stroke
- The stroke reserve length can be freely selected
- The stroke reserve is defined in the modular product system using the "Stroke reserve" feature.

Slide length Distance between both

Additional slide length

slides

Example:

Type ELGR-TB-45-500	-20H
Nominal stroke	= 500 mm
2x stroke reserve	= 40 mm
Total stroke	= 540 mm

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

Working stroke reduction

With standard slide or extra-long slide L with additional slide ZR/ZL/ZB

	L7	L16	L17	
E F	<u> </u>	<u>}</u>	\$	FOH

- For a toothed belt axis with additional slide, the working stroke is reduced by the length of the additional slide and the distance between both slides
- When ordering the extra-long slide L variant, the additional slide is not extended

Example:

L7 =

L16 =

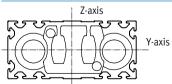
L17 =

Type ELGR-TB-35-500	-ZR
Working stroke without	
additional slide	= 500 mm
L16	= 10 mm
L7, L17	= 76 mm

Working stroke with additional slide = 414 mm (500 mm - 10 mm - 76 mm)

Dimensions – Additional slid	le			
Size		35	45	55
Length L17	[mm]	76	96	116
Distance between the slides	[mm]	≥ 0		
L16				

2nd moment of area

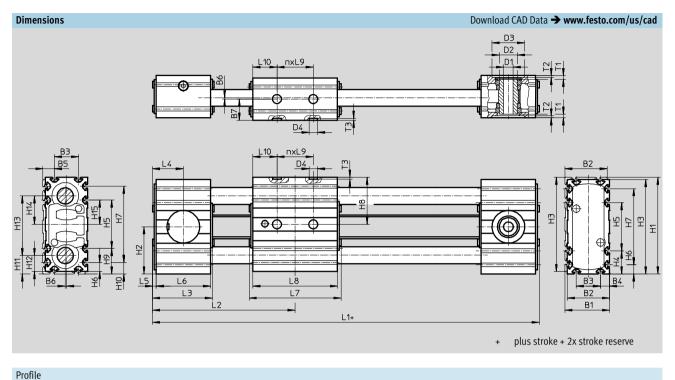


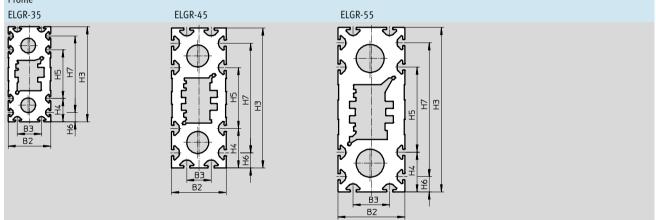
Size		35	45	55
ly	[mm ⁴]	3.77x10 ³	1.57x10 ⁴	3.83x10 ⁴
lz	[mm ⁴]	1.89x10 ⁵	8.08x10 ⁵	1.85x10 ⁶

Recommended deflection limits

Adherence to a maximum deflection of 0.5 mm 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.

Technical data



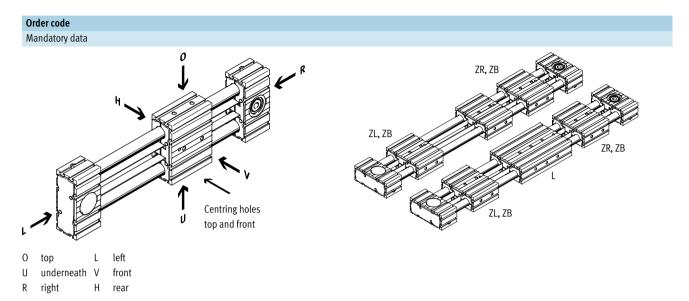


Technical data

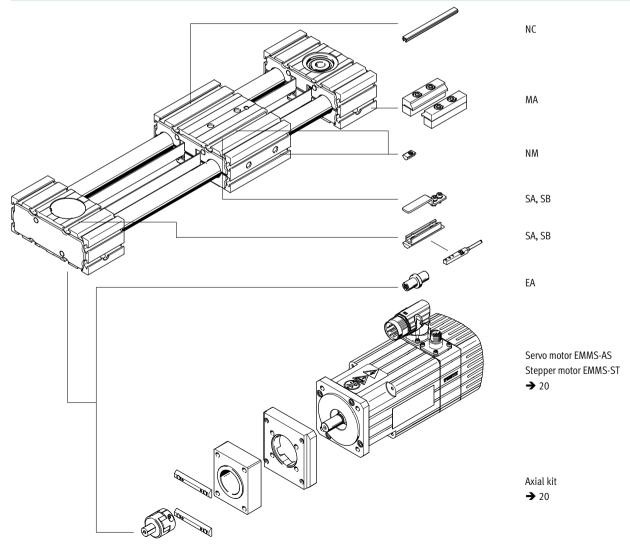
Size	B1	B2	B3	B4	B5	B6	B7	D1 Ø	D2 Ø	D3 Ø	D4 Ø	H1	H2	H3	H4	H5	H6	H7	H8	H9
								H7	~	H7										
ELGR-35 ELGR-35-L	37	35	20	7.5	9.5		17.5	8	15	27		80	39	78	19	40	7.5	63	39	21
ELGR-45	47	45	20	12.5	14.5	1	22.5	10	20	38	7	117	57.5	115	32.5	50	12.5	90	57.5	34.5
ELGR-45-L ELGR-55	57	55	30	12.5	14.5	-	27.5	16	25	48		137	67.5	135	32.5	70	12.5	110	67.5	34.5
ELGR-55-L	57	,,,	50	12.5	17.5		21.5	10	23	70		1)/	07.5	1))	52.5	,0	12.5	110	07.5	J-1.J
Size	H10	H11	H12	H13	H14	H15	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	n	T1	T2	T3
																				+0.1
ELGR-35	9.5	15.5	13.5	49	23.5	20	178	89	51	25.5		45	76	70	30	20	1	3.1	1.6	
ELGR-35-L ELGR-45							248	124	-				146 96	140		40	2			-
ELGR-45 ELGR-45-L	14.5	23	21	71	34.5	25	219 309	108 153	60	30	3	54	96 186	90 180	40	25 50	1 2	3	1.7	1.6
ELGR-55							243	120					116	110		35	1			
ELGR-55-L	14.5	25.5	23.5	86	42	35	353	175	62	31		56	226	220	40	70	2	4.5	2	

Ordering data – Modular products

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Accessories



Ordering data – Modular products

0r	dering table						
Siz	ze	35	45	55	Condition	Code	Enter
					S		code
N	Module No.	560505	560506	560507			
	Design	Linear axis				ELGR	ELGR
	Drive type	Toothed belt				-TB	-TB
C	Guide	Recirculating ball bearing	ng guide				
		Plain-bearing guide				-GF	
N	Sizes	35	45	55			
	Stroke length [mm]	50 800	50 1,000	50 1,500	1		
	Stroke reserve [mm]	0999 (0 = no stroke r	eserve)		1	H	
)	Slide design	Standard slide					
		Slide, long				-L	
	Additional slide	No additional slide					
		1 slide on right			2	-ZR	
		1 slide on left			2	-ZL	
	-	1 slide on right, 1 slide			2	-ZB	
	Accessories	Accessories enclosed se	parately			+	+
	Proximity sensor (SIES), inductive, slot type 8, PNP, N/O contact, cable 7.5 m, incl. switching lug and sensor bracket	1 6				SA	
	Proximity sensor (SIES), inductive, slot type 8, PNP, N/C contact, cable 7.5 m, incl. switching lug and sensor bracket	1 6				SB	
	Mounting slot cover	-	1 50 (1=2 pieces	, 500 mm in length)		NC	
	Slot nut for mounting slot	1 99				NM	
	Drive shaft	1 4				EA	
	Profile mounting	1 2				MA	

 1
 -...
 The sum of the stroke length and

 2
 ZR, ZL, ZB
 Working stroke reduction → 15

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

Size	35			45			55			
Variant		-/L	ZR/ZL	ZB	-/L	ZR/ZL	ZB	-/L	ZR/ZL	ZB
Min. nominal stroke	[mm]	50	126	202	50	146	242	50	166	282

- -

-





+

Accessories

Permissible axis/motor co	1	Technical data → Internet: eamm-a		
Motor	Axial kit	Axial kit consisting of:		
		Motor flange	Coupling	Coupling housing
		ILLS D	OF BEEF	
Туре	Part No.	Part No.	Part No.	Part No.
	Туре	Туре	Туре	Туре
ELGR-35				
With servo motor				
EMMS-AS-55	1133400	558176	557999	1133397
	EAMM-A-R27-55A	EAMF-A-38A-55A	EAMD-19-15-9-8X10	EAMK-A-R27-38A
With stepper motor				
EMMS-ST-57	1133403	560692	561292	1133397
	EAMM-A-R27-57A	EAMF-A-38A-57A	EAMD-16-15-6.35-8X10	EAMK-A-R27-38A
ELGR-45				
With servo motor				
EMME-AS-60	2224996	1987412	1453861	1133398
	EAMM-A-R38-60P	EAMF-A-38A-60P	EAMD-28-22-14-10X12	EAMK-A-R38-38A
EMMS-AS-70	1133401	558018	558000	1133398
	EAMM-A-R38-70A	EAMF-A-38A-70A	EAMD-25-22-11-10X12	EAMK-A-R38-38A
With stepper motor				
EMMS-ST-57	1578138	560692	561293	1133398
	EAMM-A-R38-57A	EAMF-A-38A-57A	EAMD-25-22-6.35-10X12	EAMK-A-R38-38A
EMMS-ST-87	1133404	560693	558000	1133398
	EAMM-A-R38-87A	EAMF-A-38A-87A	EAMD-25-22-11-10X12	EAMK-A-R38-38A
ELGR-55 With servo motor				
EMMS-AS-70	1578139	558025	558001	1133399
EMIM3-A3-70	EAMM-A-R48-70A	EAMF-A-48A-70A	EAMD-32-32-11-16X20	EAMK-A-R48-48A
EMME-AS-80	2225090	2043427	558002	1133399
EWIWIE-A3-60	EAMM-A-R48-80P	EAMF-A-48A-80P	EAMD-42-40-19-16X25	EAMK-A-R48-48A
EMME-AS-100	1133402	558020	558002	1133399
LWIWIL-A3-100	EAMM-A-R48-100A	EAMF-A-48A-100A	EAMD-42-40-19-16X25	EAMK-A-R48-48A
EMMS-AS-100	1133402	558020	558002	1133399
LWWJ-AJ-100	EAMM-A-R48-100A	EAMF-A-48A-100A	EAMD-42-40-19-16X25	EAMK-A-R48-48A
With stepper motor			LUND-47-40-13-10V53	
EMMS-ST-87	1133405	560695	558001	1133399
Lining-31-07	EAMM-A-R48-87A	EAMF-A-48A-87A	EAMD-32-32-11-16X20	EAMK-A-R48-48A
	LAMM-A-140-07A		LUND-22-22-11-10A20	LAMIN-A-N-70-40A

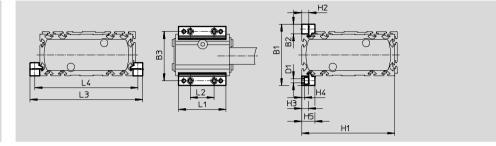
Accessories

Profile mounting MUE

(order code MA)



Material: Anodised aluminium Conforms to RoHS



127

147

32

32

562238

562238

MUE-45

MUE-45

Dimensions and	ordering data							
For size	B1	B2	B3	D1 Ø	H1	H2	H3	H4
35	51	8	43	3.4	78	6	5.5	2.3
45	69	12	57	5.5	115	10	9	3.2
55	79	12	67	5.5	135	10	9	3.2
For size	H5	L1	L2	L3	L4	Weight [g]	Part No. Type	
35	11	40	20	94	86	20	558042 MUE-50)

139

159

Sensor bracket EAPM-...-SHS, switch lug EAPM-...-SLS (order code SA/SB)

17.5

17.5

45

55

Materials: Switch lug: Galvanised steel Sensor bracket: Anodised wrought aluminium alloy Conforms to RoHS

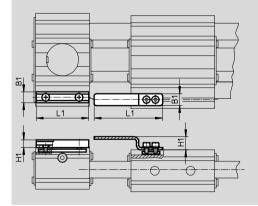
40

40

52

52





Dimensions and ordering data									
For size	B1	H1		Weight [g]	Part No.	Туре			
Sensor bracket	Sensor bracket								
35, 45, 55	9	6.5	44	20	567537	EAPM-L4-SHS			
Switch lug	Switch lug								
35, 45, 55	10	11	57.5	15	567538	EAPM-L4-SLS			

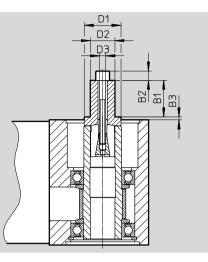


Accessories

Drive shaft EAMB Alternative interface

(order code EA)





Dimensions and o	Dimensions and ordering data									
For size	B1	B2	B3	D1	D2	D3	Weight	Part No.	Туре	
				Ø	Ø		[g]			
35	12	3	3,9	16	8	M4	20	558034	EAMB-16-7-8X15-8X10	
45	12	4	6	18	8	M5	29	558035	EAMB-18-9-8X16-10X12	
							70	558036	EAMB-24-6-15X21-16X20	

Ordering data						
	For size	Comment	Order code	Part No.	Туре	PU ¹⁾
Slot nut NST						
$\langle \mathbf{O} \rangle$	35	For mounting slot	NM	558045	NST-3-M3	1
\sim	45,55			150914	NST-5-M5	
Centring sleeve ZBH ²⁾						
\square	35, 45, 55	For slide	-	186717	ZBH-7	10
5						
Slot cover ABP						
	45,55	For mounting slot	NC	151681	ABP-5	2
		every 0.5 m				
4						

Packaging unit
 2 centring sleeves included in the scope of delivery of the axis

Accessories

Ordering dat	a – Proximity sensors for	T-slot, inductive					Technical data → Internet: sie
	Type of mounting	Electrical connection	Switching output	Cable length [m]	Order code	Part No.	Туре
N/O contact			υπρατ	liii			
N/O COMaci	I	1			1		
	Insertable in the slot	Cable, 3-wire	PNP	7.5	SA	551386	SIES-8M-PS-24V-K-7,5-0E
ET BA	from above, flush with	Plug M8x1, 3-pin		0.3	-	551387	SIES-8M-PS-24V-K-0,3-M8D
	the cylinder profile	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	Cable, 3-wire	PNP	7.5	SB	551391	SIES-8M-PO-24V-K-7,5-OE
ET BAL	from above, flush with	Plug M8x1, 3-pin		0.3	-	551392	SIES-8M-PO-24V-K-0,3-M8D
S/	the cylinder profile	Cable, 3-wire	NPN	7.5	-	551401	SIES-8M-NO-24V-K-7,5-0E
		Plug M8x1, 3-pin		0.3	-	551402	SIES-8M-NO-24V-K-0,3-M8D

Ordering dat	a – Connecting cables		Technical data 🗲 Internet: nebu		
	Electrical connection, left	Туре			
			[m]		
	Straight socket, M8x1, 3-pin	Cable, open end, 3-wire	2.5	541333	NEBU-M8G3-K-2.5-LE3
C LINE			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

Product Range and Company Overview

A Complete Suite and Company Overview

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



Custom Automation Components Complete custom engineered solutions



Custom Control Cabinets Comprehensive engineering support and on-site services



Complete Systems Shipment, stocking and storage services

The Broadest Range of Automation Components

With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



Electromechanical Electromechanical actuators, motors, controllers & drivers



Pneumatics Pneumatic linear and rotary actuators, valves, and air supply



PLCs and I/O Devices PLC's, operator interfaces, sensors and I/O devices

Supporting Advanced Automation... As No One Else Can!

Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 16,000 employees in 60 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

Quality Assurance, ISO 9001 and ISO 14001 Certifications

Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.





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