Mini slide EGSL, electric

Characteristics

At a glance

- Electric slide series
- Maximum performance in a compact space:
  - Precision
  - Load capacity
  - Dynamic response
- Choice of homing:
  - To fixed stop
  - To reference switch
- Ideal for vertical applications
- System product for handling and assembly technology
- Wide range of options for mounting on drives

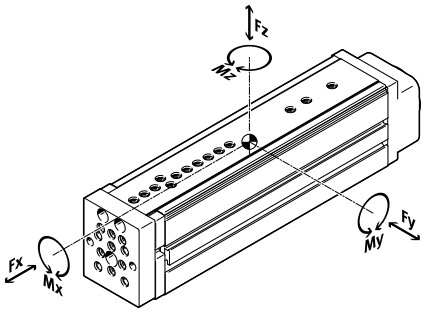
Motor attachment variants

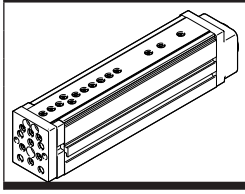
Axial

Parallel

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 data sheet.



Version	Size	Working stroke	Speed	Max. acceleration	Repetition accuracy	Feed force Fx	Guide characteristics				
							Forces and torques				
							Fy	Fz	Mx	My	Mz
		[mm]	[m/s]	[m/s²]	[mm]	[N]	[N]	[N]	[Nm]	[Nm]	[Nm]
	35	50	0.5	25	±0.015	75	512	512	6.2	6.0	6.0
	45	100, 200	1.0	25	±0.015	150	631	631	18.6	16.3	16.3
	55	100, 200, 250	1.0	25	±0.015	300	1047	1047	33.1	33.3	33.3
	75	100, 200, 300	1.3	25	±0.015	450	1539	1539	67.4	47.1	47.1

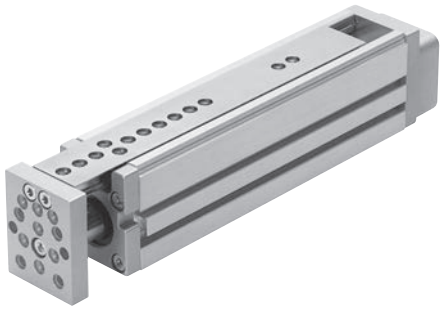
Note

Engineering software
Electric Motion Sizing
www.festo.com/x/electric-motion-sizing

Characteristics

Complete system comprising mini slide, motor, motor controller and motor mounting kit

Mini slide



Motor → Page 22

Servo motor:
EMMT-AS, EMME-AS
Stepper motor:
EMMS-ST

Note

A range of specially coordinated complete solutions is available for the mini slide EGSL and the motors.

Servo drive

Servo drive:
CMMT-AS
Servo drive for extra-low voltage:
CMMT-ST

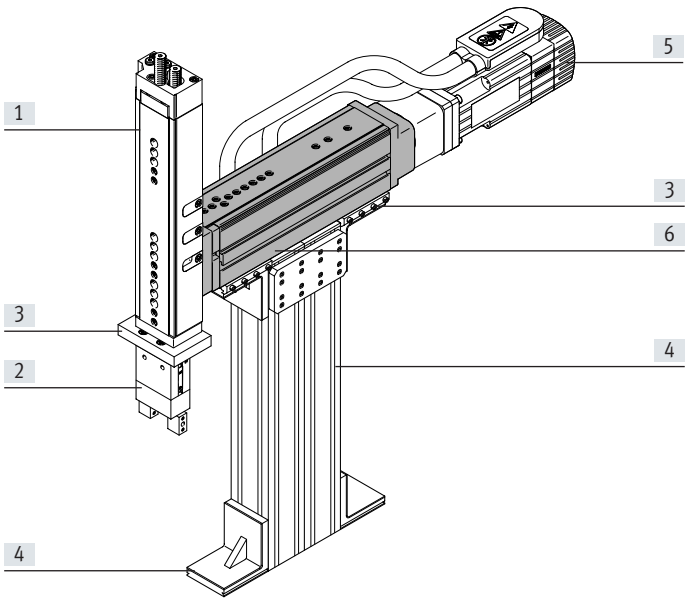
Motor mounting kit → Page 22

Axial kit

Parallel kit

A range of complete kits is available for both parallel and axial motor mounting.

Characteristics and type codes



System components and accessories

		Description	→ Page/Internet
[1]	Drives	Wide range of combinations possible within handling and assembly technology	drive
[2]	Gripper	Wide range of variations possible within handling and assembly technology	gripper
[3]	Adapter	For drive/drive connections	32
		For drive/gripper connections	adapter-kit
[4]	Basic components	Profiles and profile connections as well as profile/drive connections	basic component
[5]	Motors	Servo and stepper motors, with or without gearbox	motor
[6]	Axes	Wide range of combinations possible within handling and assembly technology	axis
–	Installation components	For a clear, safe layout of electrical cables and tubing	installation component

Type codes

001	Series	
EGSL	Mini slide	

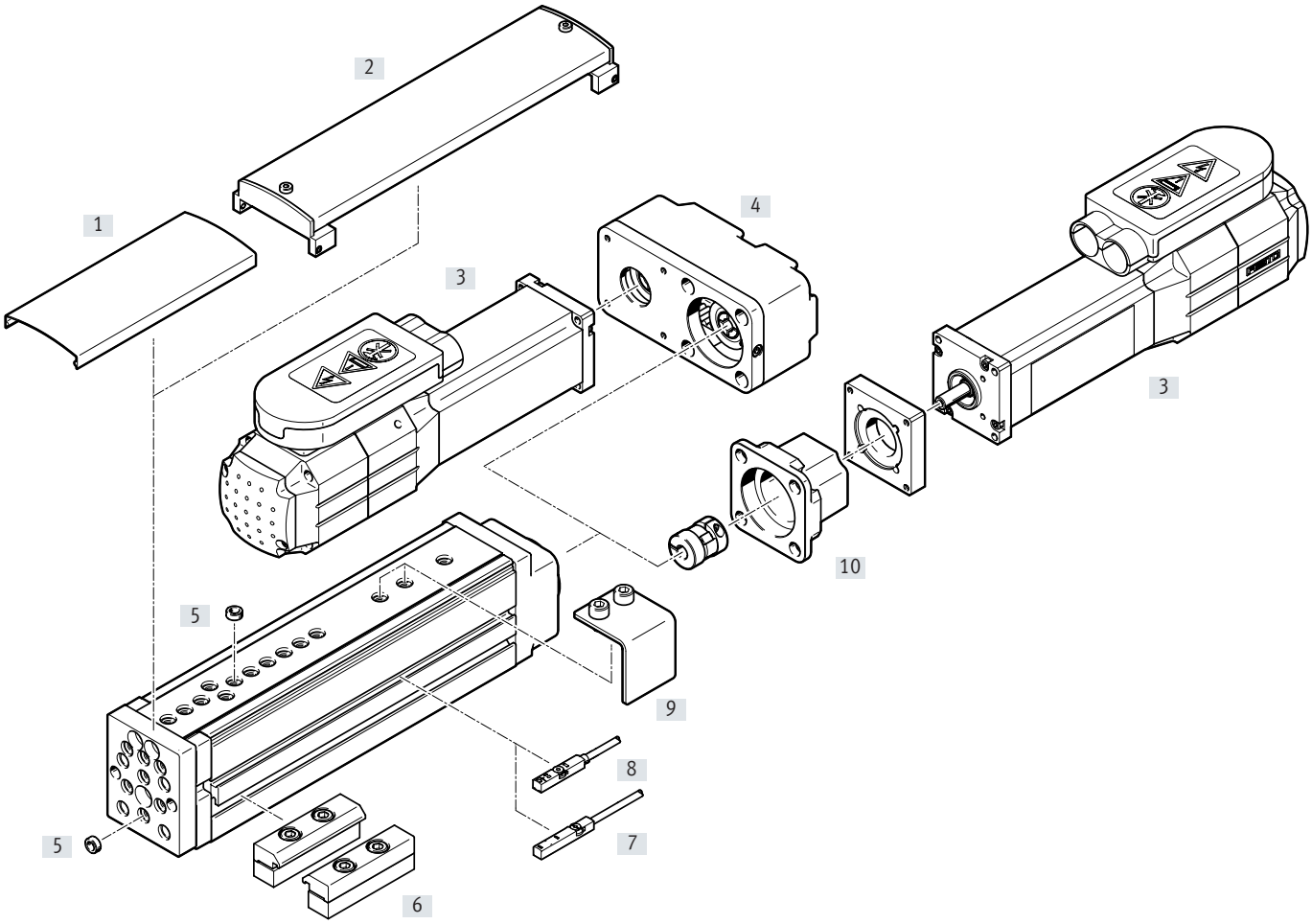
002	Drive system	
BS	Ball screw drive	

003	Size	
35	35	
45	45	
55	55	
75	75	

004	Stroke	
50	50	
100	100	
200	200	
250	250	
300	300	

005	Spindle pitch	
3P	3 mm	
5P	5 mm	
8P	8 mm	
10P	10 mm	
12.7P	12.7 mm	
20P	20 mm	

Peripherals overview

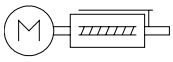


Variants and accessories

	Type	Description	→ Page/Internet
[1]	Cover EASC-...	• For protection, so that no foreign parts can get into the guide • The cover can be shortened by the customer as required	30
[2]	Cover EASC-...-F	• This cover must be used in combination with the switching lug EAPM • For protection, so that no foreign parts can get into the guide	30
[3]	Motor EMME, EMMS	Motors specially matched to the axis, with or without brake	22
[4]	Parallel kit EAMM	• For parallel motor mounting • The motor can only be mounted at the side and underneath • (comprises: housing, clamping sleeve, toothed belt pulley, toothed belt)	27
[5]	Centring sleeve ZBH	• For centring loads and attachments • Makes lateral mounting on the slide much easier	31
[6]	Profile mounting EAHF-G1, MUE	For mounting the axis	29
[7]	Proximity switch SIES-8M	Inductive proximity switch, for T-slot	31
[8]	Proximity switch SMT-8	Magnetic proximity switch, for T-slot	31
[9]	Switch lug EAPM	For sensing the slide position via proximity sensor SIES	29
[10]	Axial kit EAMM	For axial motor mounting (consisting of: coupling, coupling housing and motor flange)	22
–	Connecting cable NEBU	For proximity switch SIES or SMT-8-...-B	31

Data sheet

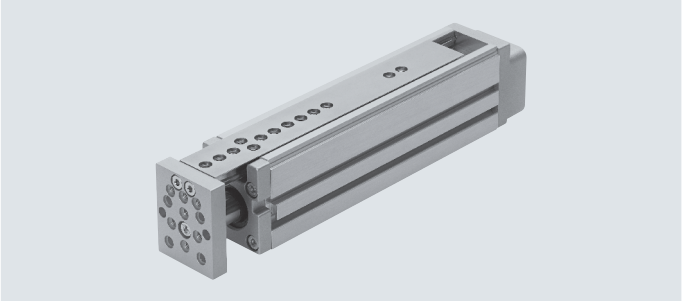
Function



- Size
  35, 45, 55, 75
- Stroke length
  50 ... 300 mm

Note

All values are based on a room temperature of 20°C.



General technical data								
Size		35	45		55		75	
Spindle pitch	[mm/rev]	8	3	10	5	12.7	10	20
Design		Electric mini slide						
		With ball screw						
		With guide						
Guide		Ball bearing cage guide						
Type of mounting		Via female thread						
		With centring sleeve						
		Via accessories						
Mounting position		Any						
Working stroke	[mm]	50	100, 200		100, 200, 250		100, 200, 300	
Guide value for payload, horizontal	[kg]	2	6		10		14	
Guide value for payload, vertical	[kg]	2	6		10		14	
Continuous feed force F_x	[N]	50	100		200		300	
Max. feed force F_x	[N]	75	150		300		450	
Max. no-load driving torque	[Nm]	0.015	0.090	0.080	0.150	0.135	0.265	0.165
Max. driving torque[1]	[Nm]	0.127	0.205	0.415	0.415	1.017	1.654	2.231
Max. radial force[2]	[N]	20	120		260		300	
Max. speed	[m/s]	0.5	0.3	1.0	0.4	1.0	0.65	1.3
Nominal acceleration	[m/s²]	15						
Max. acceleration[3]	[m/s²]	25						
Repetition accuracy	[mm]	±0.015						
Max. reversing backlash[4]	[µm]	≤50						

1) Friction and acceleration torque of the rotating mass taken into consideration
2) At the drive shaft
3) The max. acceleration is dependent on the moving mass, the driving torque and the max. feed force
4) In new condition

Operating and environmental conditions					
Size		35	45	55	75
Ambient temperature	[°C]	0 ... +60			
Degree of protection		IP40			
Duty cycle	[%]	100			
Noise level	[dB(A)]	60		65	
Maintenance interval		Life-time lubrication			

Data sheet

Weight [kg]								
Size		35			45			
Stroke	[mm]	50			100		200	
Product weight		0.6			1.6		2.2	
Moving mass		0.3			0.7		0.9	
Dead weight of guide rail and yoke plate		0.13			0.4		0.58	

Size		55			75		
Stroke	[mm]	100	200	250	100	200	300
Product weight		2.6	3.4	4.1	5.1	6.5	8.1
Moving mass		1.2	1.5	1.8	2.3	2.9	3.4
Dead weight of guide rail and yoke plate		0.61	0.87	1.07	1.2	1.64	2.07

Mass moment of inertia – for sizing the motor					
Size		35	45		
Spindle pitch	[mm/rev]	8	3	10	
Stroke	[mm]	50	100	200	100	200
J_O	[kg mm^2]	4.26	4.59	5.14	6.14	7.31
J_L per kg payload	[kg mm^2/kg]	1.62	0.23	0.23	2.53	2.53

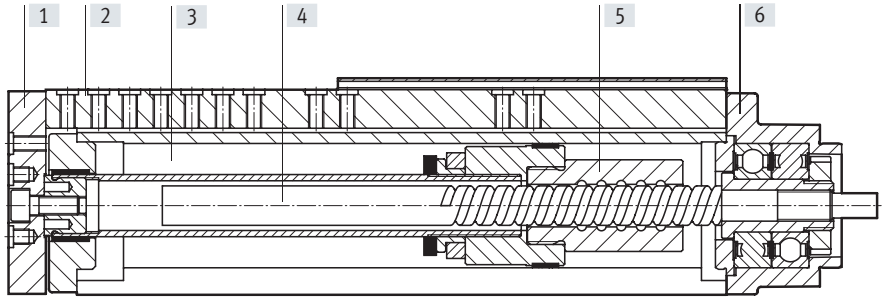
Size		55						75					
Spindle pitch	[mm/rev]	5			12.7			10			20		
Stroke	[mm]	100	200	250	100	200	250	100	200	300	100	200	300
J_O	[kg mm^2]	13.52	14.77	15.74	18.27	21.13	23.27	86.95	96.49	106.67	105.12	119.45	134.59
J_L per kg payload	[kg mm^2/kg]	0.63	0.63	0.63	4.09	4.09	4.09	2.53	2.53	2.53	10.13	10.13	10.13

The mass moment of inertia J_A of the entire axis is calculated as follows:
$J_A = J_O + J_L \times m_{payload}$ [kg]

The inertia of the motor mounting kit and motor is not taken into consideration here.

Materials

Sectional view

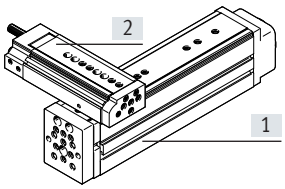


Axis		
[1]	Yoke plate	Anodised wrought aluminium alloy
[2]	Guide rail	Rolled steel
[3]	Housing	Anodised wrought aluminium alloy
[4]	Spindle	Rolled steel
[5]	Spindle nut	Rolled steel
[6]	Cover	Painted aluminium
	Note on materials	RoHS-compliant
		Contains paint-wetting impairment substances

Data sheet

Combination options

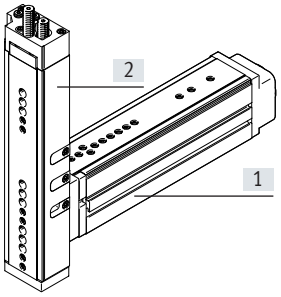
Via guide



Direct mounting

	[1] Basic drive				
		EGSL-35	EGSL-45	EGSL-55	EGSL-75
[2] Add-on drive	EGSL-35	**1088327 HMSV-73**	**1088338 HMSV-74**	**1088338 HMSV-74**	–
	EGSL-45	–	**1088338 HMSV-74**	**1088338 HMSV-74**	**1089092 HMSV-75**
	EGSL-55	–	–	**1088338 HMSV-74**	**1089092 HMSV-75**
	EGSL-75	–	–	–	**1089092 HMSV-75**
	DGSL-4	**1088327 HMSV-73**	–	–	–
	DGSL-6	**1088327 HMSV-73**	–	–	–
	DGSL-8	**1088327 MSV-73**	**ZBV-M5-7**	**ZBV-M5-7**	–
	DGSL-10	**1088327 HMSV-73**	**ZBV-M5-7**	**ZBV-M5-7**	–
	DGSL-12	–	**M5x14 ZBH-7**	**M5x16 ZBH-7**	**ZBV-M6-9**
	DGSL-16	–	**M5x14 ZBH-7**	**M5x16 ZBH-7**	**ZBV-M6-9**
	DGSL-20	–	–	–	**M6x20 ZBH-9**

Via yoke plate



Direct mounting

	[1] Basic drive				
		EGSL-35	EGSL-45	EGSL-55	EGSL-75
[2] Add-on drive	EGSL-35	**M4x12 ZBH-7**	**1088295 HMSV-71**	**1088295 HMSV-71**	**–**
	EGSL-45	**–**	**M5x12 ZBH-7**	**M5x14 ZBH-7**	**1088311 HMSV-72**
	EGSL-55	**–**	**–**	**M5x14 ZBH-7**	**1088311 HMSV-72**
	EGSL-75	**–**	**–**	**–**	**M6x18 ZBH-9**
	DGSL-4	**1088262 HMSV-70**	**–**	**–**	**–**
	DGSL-6	**1088262 HMSV-70**	**–**	**–**	**–**
	DGSL-8	**1088262 HMSV-70**	**ZBV-M5-7**	**ZBV-M5-7**	**–**
	DGSL-10	**1088262 HMSV-70**	**ZBV-M5-7**	**ZBV-M5-7**	**–**
	DGSL-12	**–**	**M5x14 ZBH-7**	**M5x12 ZBH-7**	**ZBV-M6-9**
	DGSL-16	**–**	**M5x14 ZBH-7**	**M5x12 ZBH-7**	**ZBV-M6-9**
	DGSL-20	**–**	**–**	**–**	**M6x20 ZBH-9**

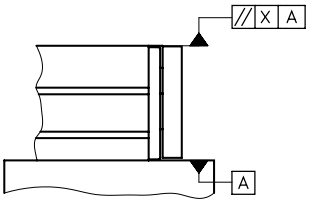
Note

Ordering data for centring sleeves ZBH and connecting sleeves ZBV ➔ page 31.

Data sheet

Parallelism [mm]

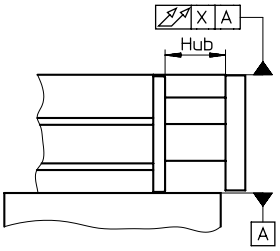
The term parallelism refers to the accuracy of alignment between the mounting surface and the slide surface. Specifications apply in the retracted state.



Size	Stroke [mm]	35	45	55	75
Parallelism X	50	0.03	–	–	–
	100	–	0.05	0.05	0.05
	200	–	0.1	0.1	0.1
	250	–	–	0.125	–
	300	–	–	–	0.15

Linearity [mm]

Linearity refers to the max. difference between the normal position and the reference plane experienced at any point of the moving axis component (e.g. slide) when traversing the entire stroke.

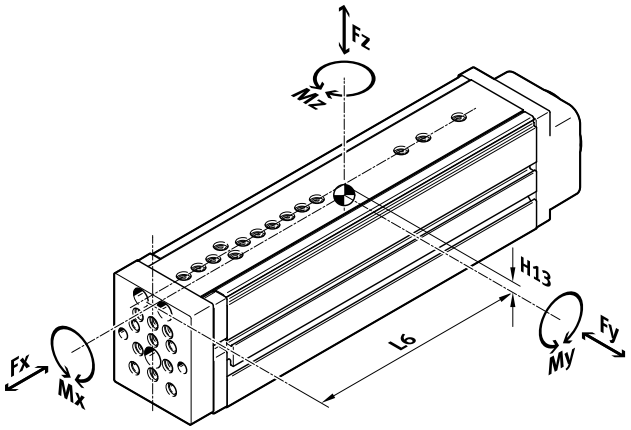


Size	Stroke [mm]	35	45	55	75
Linearity X	50	0.02	–	–	–
	100	–	0.04	0.04	0.04
	200	–	0.08	0.08	0.08
	250	–	–	0.10	–
	300	–	–	–	0.12

Data sheet

Dynamic characteristic load values

The indicated forces and torques refer to the centre of the guide.
These values must not be exceeded during dynamic operation.



If the axis is simultaneously subjected to several of the indicated forces, the following equation (guide comparison index fv) 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 = dynamic value
F_2/M_2 = maximum value

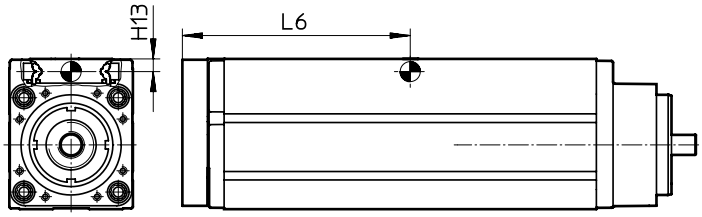
Permissible forces and torques						Geometric characteristics		
Size	Stroke	Fy_{max}	Fz_{max}	Mx_{max}	My_{max}, Mz_{max}	H13	L6	
							Retracted	Advanced
	[mm]	[N]	[N]	[Nm]	[Nm]	[mm]	[mm]	[mm]
35								
	50	512	512	6.2	6.0	4.2	83	106
45								
	100	631	631	18.6	16.3	6.4	114	162
	200	291	291	14.3	12.3	6.4	164	262
55								
	100	1 047	1 047	33.1	31.0	6.4	132	180
	200	490	490	24.2	22.6	6.4	182	280
	250	563	563	27.0	33.3	6.4	221	344
75								
	100	1 539	1 539	67.4	47.1	7.6	139	187
	200	714	714	48.5	33.8	7.6	189	287
	300	555	555	46.4	36.5	7.6	241	389

Note

Engineering software
Electric Motion Sizing
www.festo.com/x/electric-motion-sizing

Data sheet

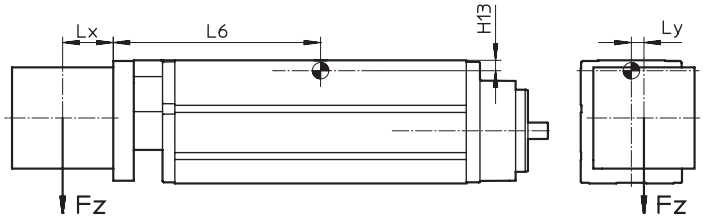
Position of the guide centre



Calculation example

Given:

Type: EGSL-BS-45-100-10P
Stroke length =
100 mm
Lever arm L_x = 30 mm
Lever arm L_y = 10 mm
Mass F_z = 5 kg
Acceleration a = 0 m/s^2
Mounting position: horizontal



To be calculated:

- F_y, F_z, Mx, My, Mz
- Proof of functionality with combined load
- Service life estimate

Solution:

L6 = 0.162 m from table
F_y = 0 N

F_z = m x g
= 5 kg x 9.81 m/s^2 = 49.05 N

M_x = F_z x L_y
= 49,05 N x 0,01 m = 0,4905 Nm

M_y = F_z x (L6+L_x)
= 49.05 N x (0.162 m + 0.03 m) = 9.42 Nm

M_z = 0 Nm

Combined load:

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

$$f_v = 0 + \frac{49{,}05\ N}{631\ N} + \frac{0{,}49\ Nm}{18{,}6\ Nm} + \frac{9{,}42\ Nm}{16{,}3\ Nm} + 0 = 0{,}68$$

According to the graph on page 12, f_v = 0.68 gives a service life of approx. 30 million cycles.

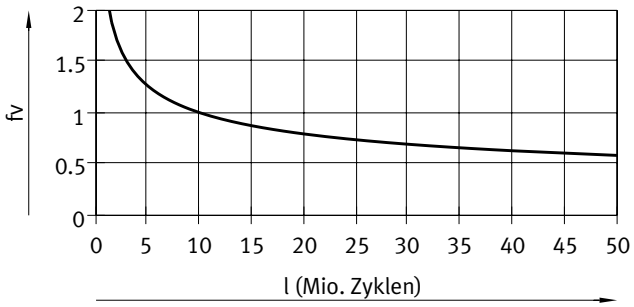
Calculating the service life

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.
The high load capacity and long service life of the guide are only exceeded by the spindle module. The characteristic load values for the spindle are therefore not included in the calculation of the service life.

These values are only theoretical. You must consult your local contact person at Festo for load comparison factors f_v greater than 1.5.

Load comparison factor f_v as a function of service life

Example:
A user wants to move an X kg load. Using the formula (➔ page 10) gives a value of 1.5 for the load comparison factor f_v. According to the graph, the guide has a service life of approx. 3 million cycles. Reducing the acceleration reduces the Mz and My values. A load comparison factor f_v of 1 now gives a service life of 10 million cycles.

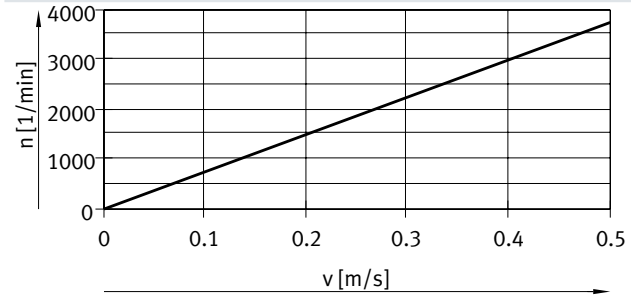


Note
Engineering software
Electric Motion Sizing
www.festo.com/x/electric-motion-sizing

Data sheet

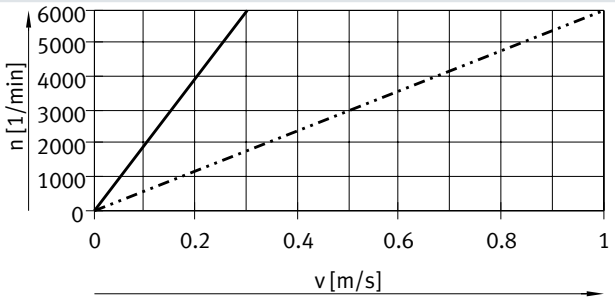
Rotational speed n as a function of feed speed v

EGSL-35



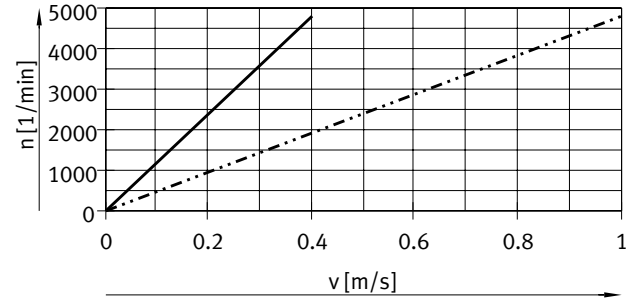
EGSL-BS-35- ... -8P

EGSL-45



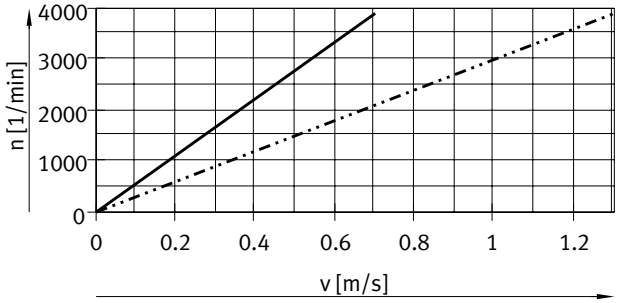
EGSL-BS-45- ... -3P
EGSL-BS-45- ... -10P

EGSL-55



EGSL-BS-55- ... -5P
EGSL-BS-55- ... -12.7P

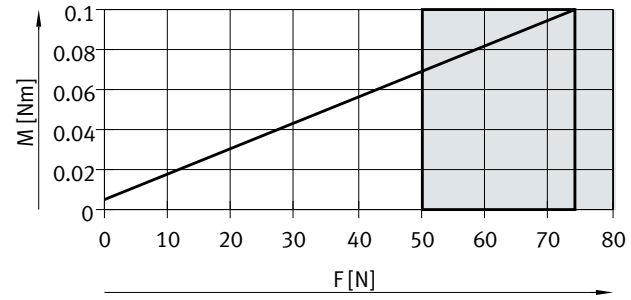
EGSL-75



EGSL-BS-75- ... -10P
EGSL-BS-75- ... -20P

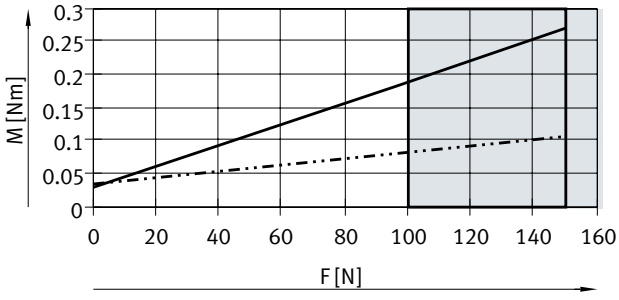
Driving torque M as a function of feed force F

EGSL-35



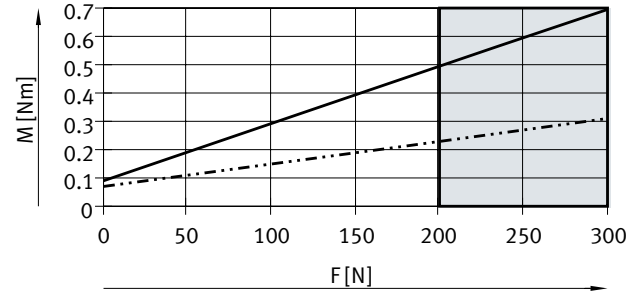
EGSL-BS-35- ... -8P

EGSL-45



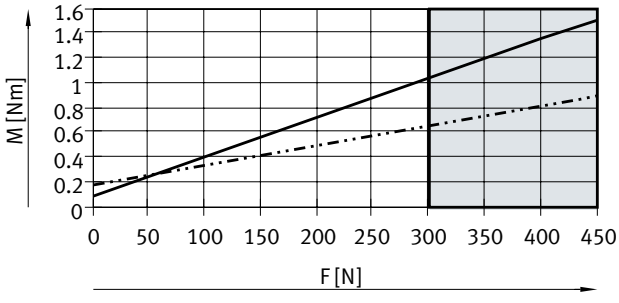
EGSL-BS-45- ... -10P
EGSL-BS-45- ... -3P

EGSL-55



EGSL-BS-55- ... -12.7P
EGSL-BS-55- ... -5P

EGSL-75

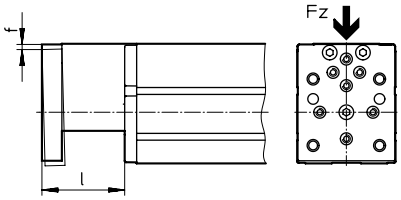


EGSL-BS-75- ... -20P
EGSL-BS-75- ... -10P

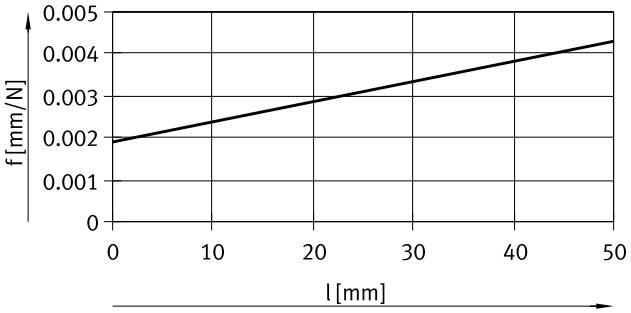
This range should be used only briefly.

Data sheet

Deflection x as a function of force Fz and stroke l

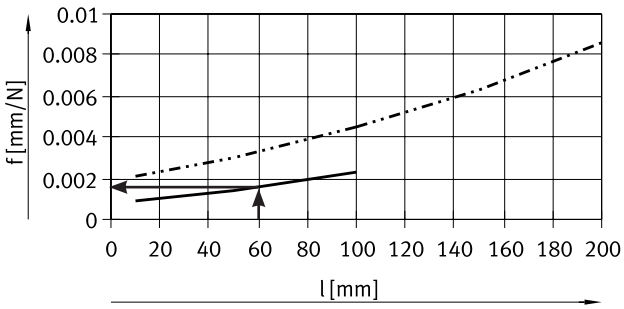


EGSL-35



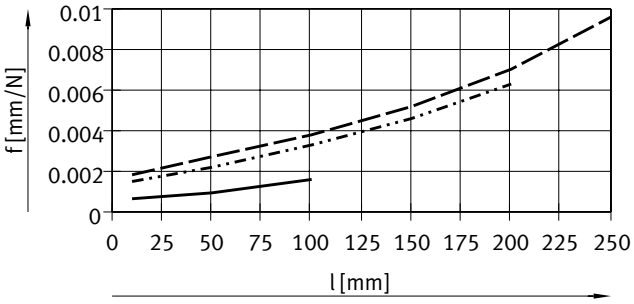
EGSL-BS-35-50

EGSL-45



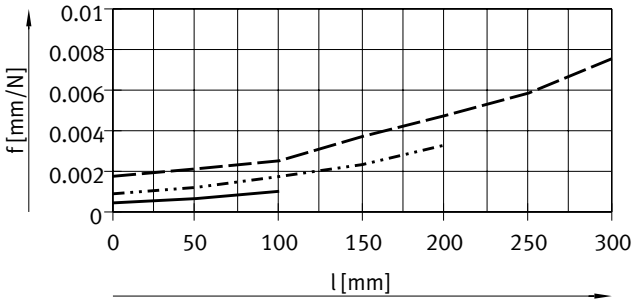
EGSL-BS-45-100
EGSL-BS-45-200

EGSL-55



EGSL-BS-55-100
EGSL-BS-55-200
EGSL-BS-55-250

EGSL-75



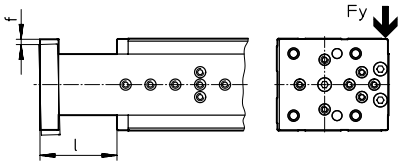
EGSL-BS-75-100
EGSL-BS-75-200
EGSL-BS-75-300

Calculation example

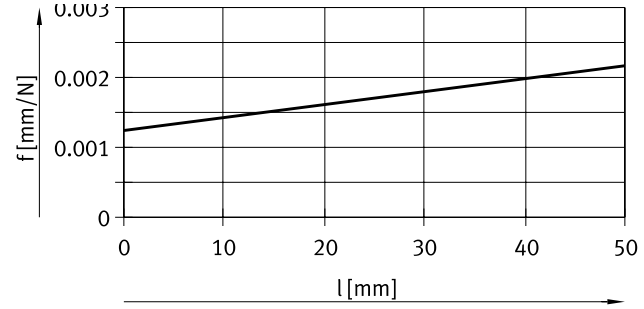
Given:		Result:	$x = f \times F_2$
EGSL-BS-45-100		The graph shows a resilience of	
l =	60 mm	f = 0.0015 mm/N with a stroke of	x = 0.0015 mm/N x 30N
Fz =	30 N	60 mm.	
Mounting position:	horizontal		x = 0.045 mm

Data sheet

Deflection x as a function of force Fy and stroke l

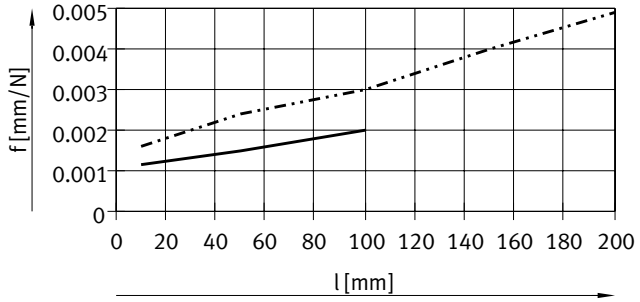


EGSL-35



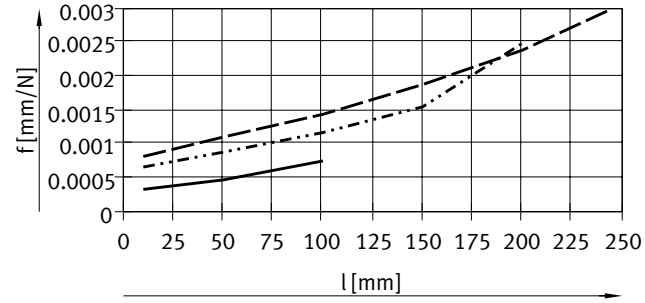
EGSL-BS-35-50

EGSL-45



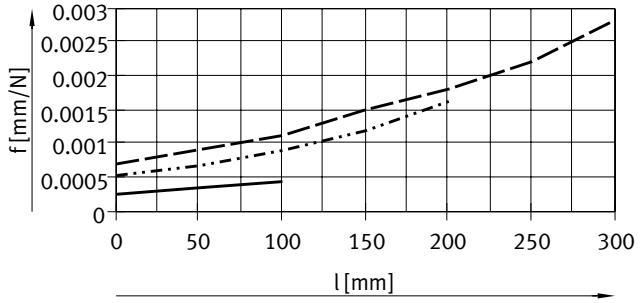
EGSL-BS-45-100
EGSL-BS-45-200

EGSL-55



EGSL-BS-55-100
EGSL-BS-55-200
EGSL-BS-55-250

EGSL-75

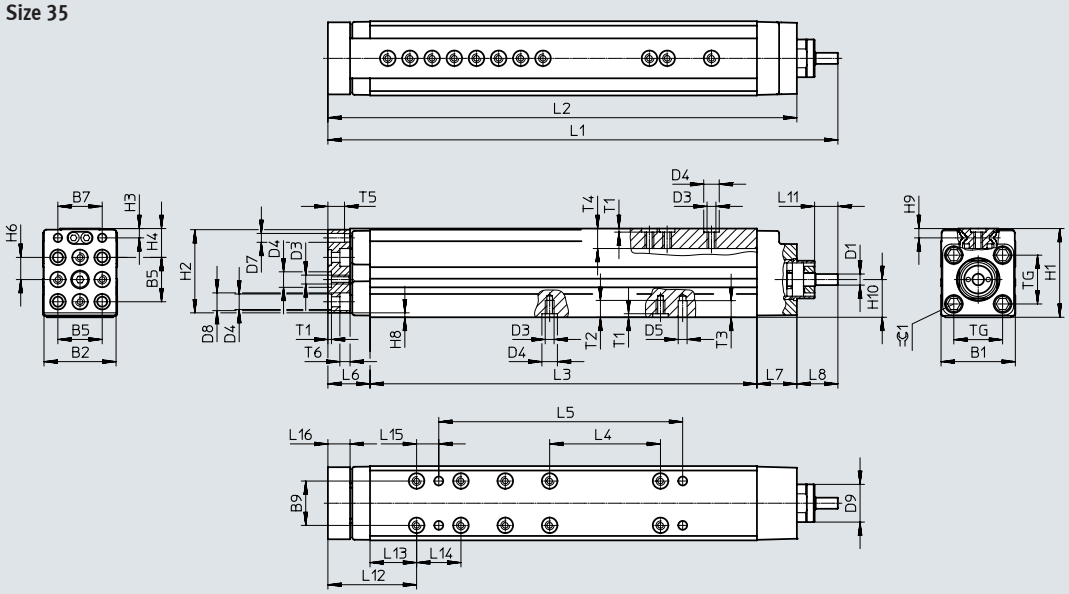


EGSL-BS-75-100
EGSL-BS-75-200
EGSL-BS-75-300

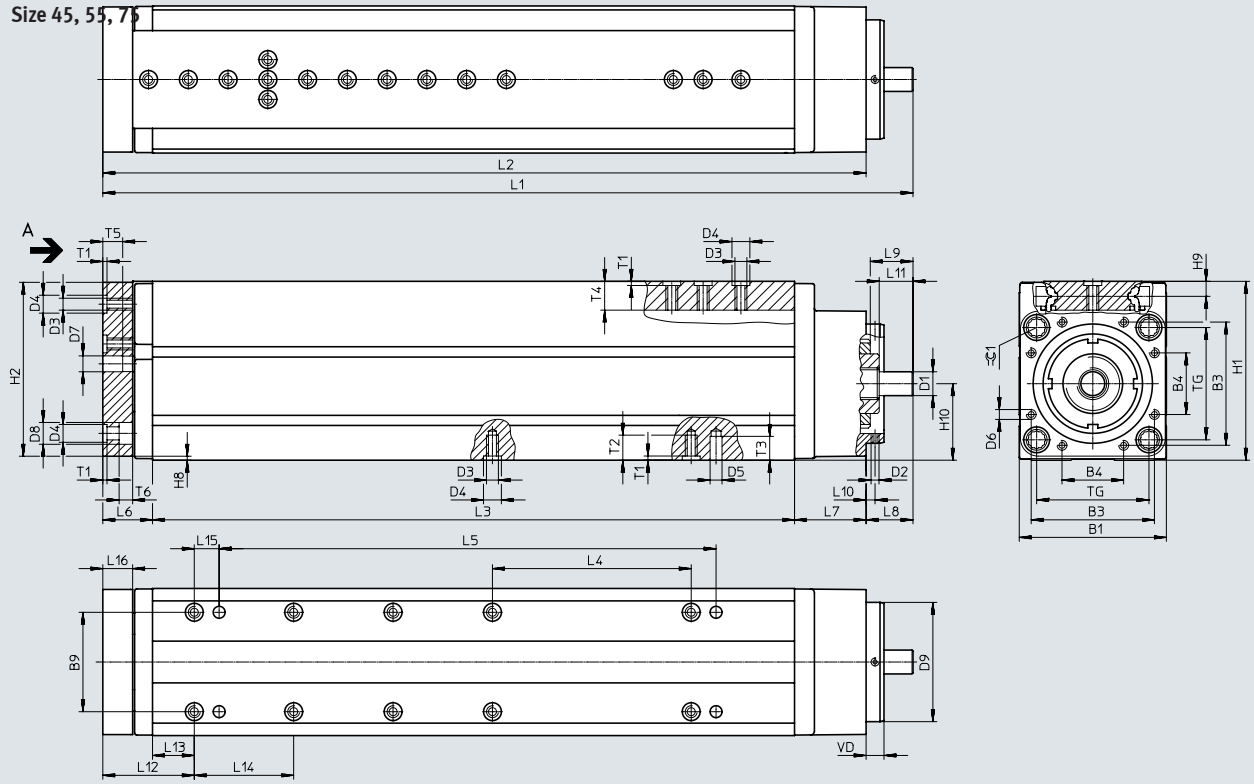
Data sheet

Dimensions Download CAD data ➔ www.festo.com

Size 35

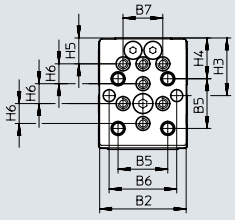


Size 45, 55, 75

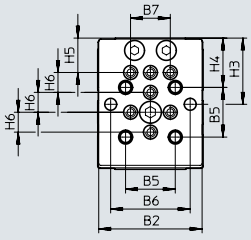


View A

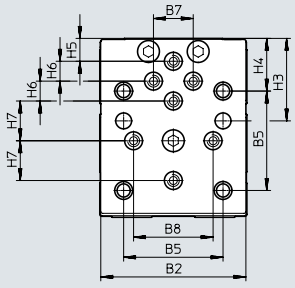
Size 45



Size 55



Size 75



[1] Rubber buffer integrated in the slide. Can be removed when homing to fixed stop.

Data sheet

Size	B1	B2	B3	B4	B5	B6	B7	B8	B9 ±0.5	D1 Ø
35	33.5	33	–	–	20	–	20	–	20	5
45	44.5	43.5	32	19	25	34	20	–	25	6
55	53	52	42	20	25	40	20	–	25	8
75	74	73	62	31	50	–	20	40	50	12

Size	D2	D3	D4 Ø H7	D5 Ø H7	D6	D7 Ø	D8 Ø	D9 Ø g7	H1	H2
35	–	M4	7	4	–	4	8	19	40	37.5
45	M3	M5	7	6	M3	6	10	32	56	53.5
55	M3	M5	7	6	M4	6	10	40	66	63.5
75	M4	M6	9	6	M5	8	11	60	90	87.5

Size	H3	H4	H5	H6	H7	H8	H9	H10	L6	
									2) ±1	3) ±1
35	4.2	13	–	10	–	2	4.2	17+0.09/–0.07	21	19
45	29	20.5	13	10	–	2	6.4	23±0.08	22	20
55	33.3	24.8	17.3	10	–	2	6.4	28.7±0.08	27	25
75	41.5	26.5	11.5	10	20	2	7.6	38.5±0.08	27	25

Size	L7	L8 ±1	L9	L10	L11 ±0.2	L12		L13[1]	L14[1]	L15 ±0.1
						2)	3)			
35	18	18.5	–	–	10.5	42	40	21	20	10
45	26	16	16.9	3.5	8	43	41	21	25	12.5
55	30	18.5	14.9	3.5	14	48	46	21	25	12.5
75	36	23.6	21.5	4.5	17	48	46	21	50	12.5

Size	L16	T1 ±0.1	T2	T3	T4	T5	T6	TG	VD	⌯ 1
35	10	1.6	7.6	7.5	9	7.5	4.6	22	–	5
45	10	1.6	8.1	7.5	12.4	7.5	5.7	32.5	7	6
55	15	1.6	8.6	8.5	12.4	10	8.7	38	7	6
75	15	2.1	12.6	12	14.5	10	6.8	56.5	9	8

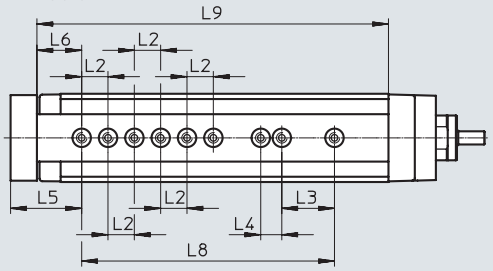
Size	Stroke	L1		L2		L3	L4[1]	L5[1]
		2)	3)	2)	3)			
	[mm]	±1.5	±1.5	±1	±1	–0.2		±0.05
35	50	182	180	163.5	161.5	124.5	–	60
45	100	248	246	232	230	184	75	125
	200	348	346	332	330	284	100	175
55	100	284.5	282.5	266	264	209	100	150
	200	384.5	382.5	366	364	309	100	175
	250	463.5	461.5	445	443	388	100	175
75	100	309.6	307.6	286	284	223	–	150
	200	409.6	407.6	386	384	323	100	250
	300	514.6	512.6	491	489	428	150	350

1) Tolerance for centring hole ±0.02 mm
Tolerance for thread ±0.1 mm
2) With rubber buffer
3) Without rubber buffer: when homing to fixed stop

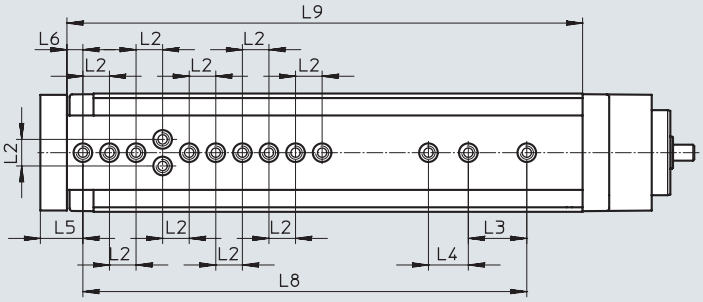
Data sheet

Hole pattern for mounting threads and centring holes

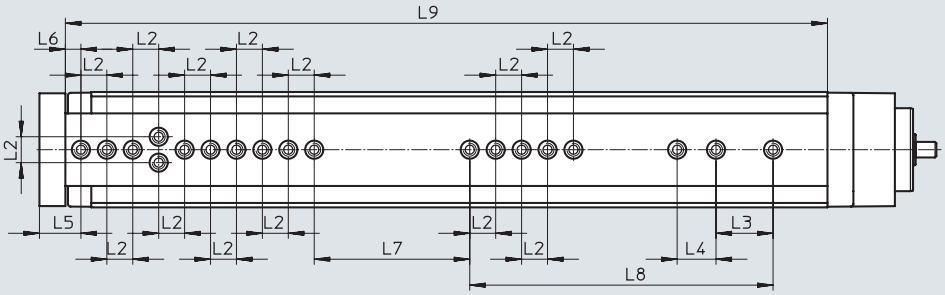
EGSL-35-50



EGSL-45-100



EGSL-45-200



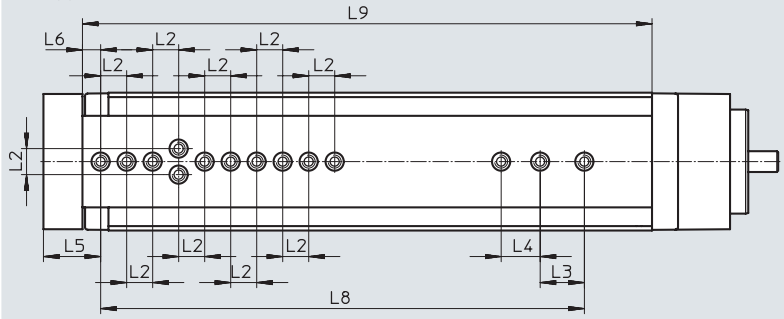
Size	Stroke [mm]	L2[1)]	L3[1)]	L4[1)]	L5	L6	L7[1)]	L8[1)]	L9
35	50	10	20	8	27	17	–	96	133.5
45	100	10	22	15	16	6	–	167	194
	200						60	117	294

1) Tolerance for centring hole ±0.02 mm
Tolerance for thread ±0.1 mm

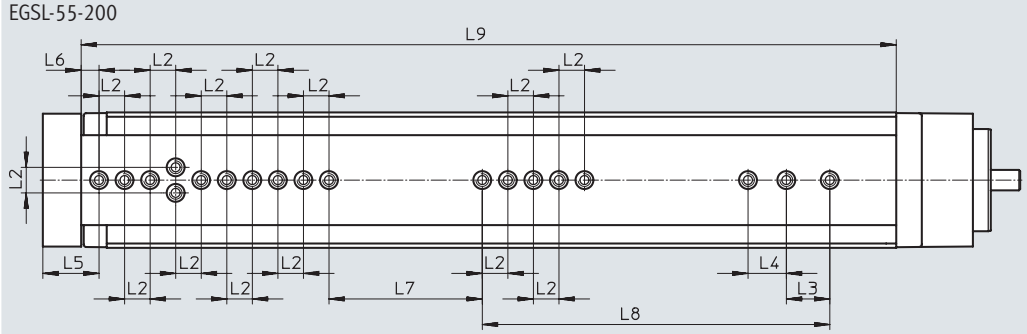
Data sheet

Hole pattern for mounting threads and centring holes

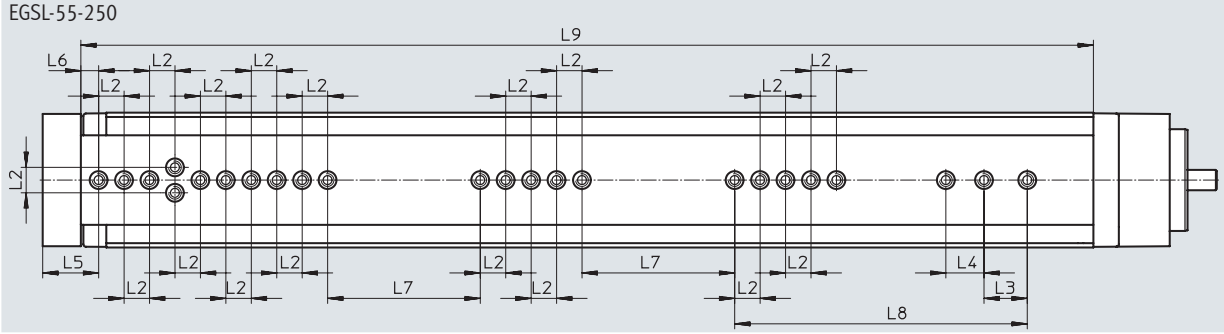
EGSL-55-100



EGSL-55-200



EGSL-55-250



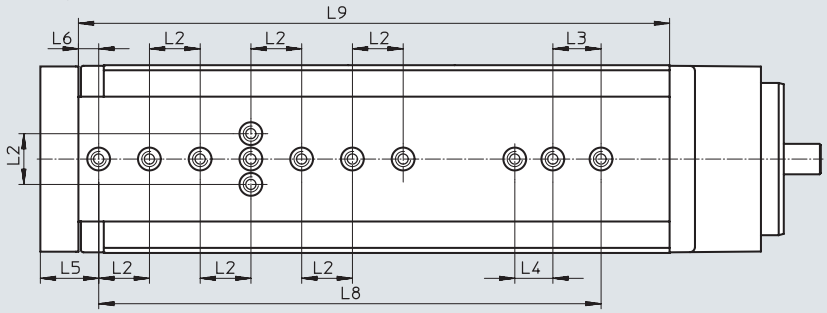
Size	Stroke [mm]	L2[1)]	L3[1)]	L4[1)]	L5	L6	L7[1)]	L8[1)]	L9
55	100	10	17	15	22	7	–	186	219
	200						60	136	319
	250						60	115	398

1) Tolerance for centring hole ±0.02 mm
Tolerance for thread ±0.1 mm

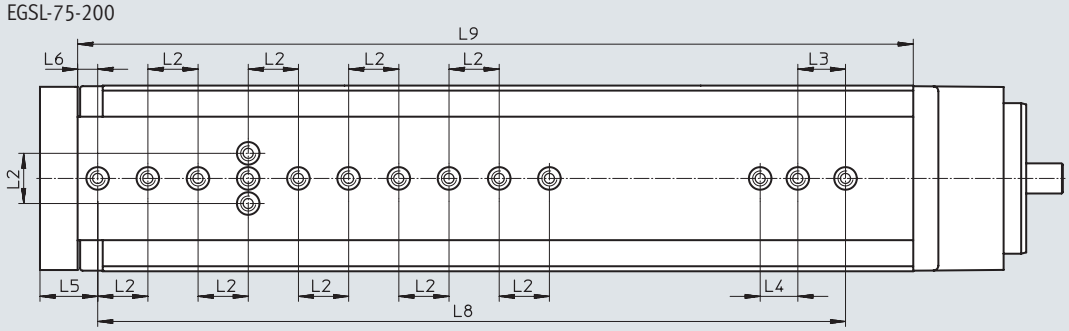
Data sheet

Hole pattern for mounting threads and centring holes

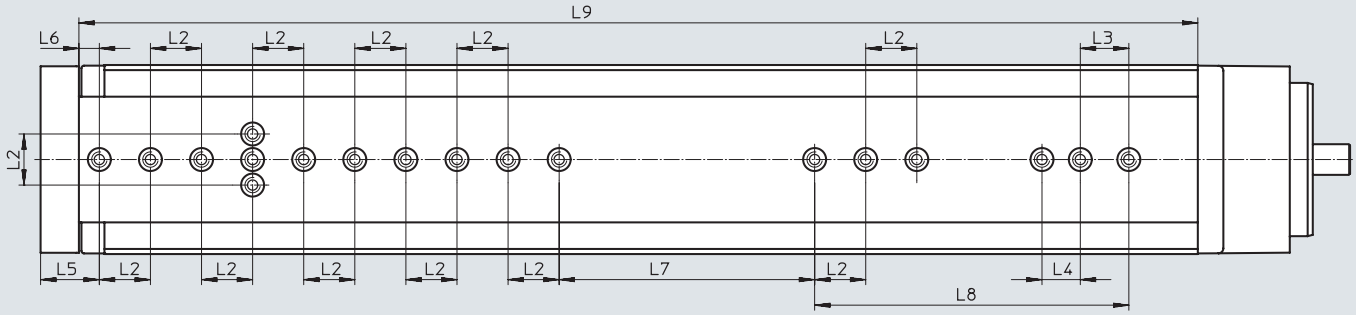
EGSL-75-100



EGSL-75-200



EGSL-75-300

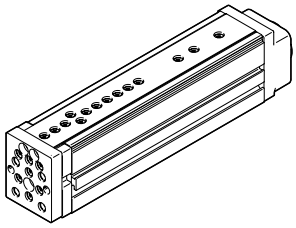


Size	Stroke [mm]	L2[1)]	L3[1)]	L4[1)]	L5	L6	L7[1)]	L8[1)]	L9
75	100	20	19	15	23	8	–	198	233
	200						–	298	333
	300						100	123	438

1) Tolerance for centring hole ±0.02 mm
Tolerance for thread ±0.1 mm

Data sheet

Ordering data

	Size	Spindle pitch [mm/rev]	Stroke [mm]	Part no.	Type
	35	8	50	**562160**	**EGSL-BS-35-50-8P**
	45	3	100	**562225**	**EGSL-BS-45-100-3P**
			200	**562226**	**EGSL-BS-45-200-3P**
		10	100	**559335**	**EGSL-BS-45-100-10P**
			200	**559336**	**EGSL-BS-45-200-10P**
	55	5	100	**562227**	**EGSL-BS-55-100-5P**
			200	**562228**	**EGSL-BS-55-200-5P**
			250	**562229**	**EGSL-BS-55-250-5P**
		12.7	100	**559337**	**EGSL-BS-55-100-12.7P**
			200	**559338**	**EGSL-BS-55-200-12.7P**
			250	**559339**	**EGSL-BS-55-250-12.7P**
	75	10	100	**562230**	**EGSL-BS-75-100-10P**
			200	**562231**	**EGSL-BS-75-200-10P**
			300	**562232**	**EGSL-BS-75-300-10P**
		20	100	**559340**	**EGSL-BS-75-100-20P**
			200	**559341**	**EGSL-BS-75-200-20P**
			300	**559342**	**EGSL-BS-75-300-20P**

Accessories

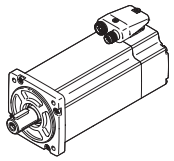
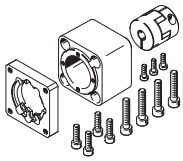
Note

Depending on the combination of motor and drive, it may not be possible to reach the maximum feed force of the drive.

When using parallel kits, the no-load driving torque of the particular kit must be taken into consideration.

Permissible axis/motor combinations with axial kit

Data sheets → Internet: eamm-a

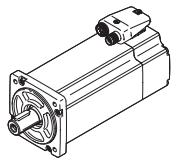
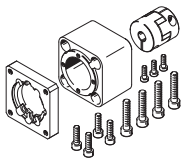
Motor/gear unit[1]	Axial kit	
		• Kits for third-party motors → Internet: eamm-a
Type	Part no.	Type
EGSL-35		
With servo motor		
EMME-AS-40-...	**1981953**	**EAMM-A-D19-40P**
With stepper motor		
EMMS-ST-28-...	**1081659**	**EAMM-A-D19-28A**
EMMS-ST-42-...	**1087642**	**EAMM-A-D19-42A**
EGSL-45		
With servo motor		
EMME-AS-40-...	**1976465**	**EAMM-A-D32-40P**
EMMT-AS-60-..., EMME-AS-60-...	**1956054**	**EAMM-A-D32-60P**
With servo motor and gear unit		
EMME-AS-40-... **EMGA-40-P-G...-EAS-40**	**1454238**	**EAMM-A-D32-40G**
EMMT-AS-60-..., EMME-AS-60-... **EMGA-60-P-G...-EAS-60**	**2946760**	**EAMM-A-D32-60H**
With stepper motor		
EMMS-ST-42-...	**543148**	**EAMM-A-D32-42A**
EMMS-ST-57-...	**550980**	**EAMM-A-D32-57A**
With stepper motor and gear unit		
EMMS-ST-42-... **EMGA-40-P-G...-SST-42**	**1454238**	**EAMM-A-D32-40G**
EMMS-ST-57-... **EMGA-60-P-G...-SST-57**	**2946758**	**EAMM-A-D32-60G**

1) The input torque must not exceed the max. permissible transferable torque of the axial kit.

Accessories

Permissible axis/motor combinations with axial kit

Data sheets → Internet: eamm-a

Motor/gear unit[1]	Axial kit	
		• Kits for third-party motors → Internet: eamm-a
Type	Part no.	Type
EGSL-45		
With integrated drive		
EMCA-EC-67-...	**1454239**	**EAMM-A-D32-67A**
With integrated drive and gear unit		
EMCA-EC-67-... **EMGC-40-...**	**1454238**	**EAMM-A-D32-40G**
EMCA-EC-67-... **EMGC-60-...**	**2946760**	**EAMM-A-D32-60H**
EGSL-55		
With servo motor		
EMMT-AS-60-..., EMME-AS-60-...	**1977000**	**EAMM-A-D40-60P**
With servo motor and gear unit		
EMME-AS-40-...	**560282**	**EAMM-A-D40-40G**
EMGA-40-P-G...-EAS-40	**2256398**	**EAMM-A-D40-40G-G2[2]**
EMMT-AS-60-..., EMME-AS-60-... **EMGA-60-P-G...-EAS-60**	**1454242**	**EAMM-A-D40-60H**
With stepper motor		
EMMS-ST-57-...	**543154**	**EAMM-A-D40-57A**
EMMS-ST-87-...	**550982**	**EAMM-A-D40-87A**
With stepper motor and gear unit		
EMMS-ST-42-...	**560282**	**EAMM-A-D40-40G**
EMGA-40-P-G...-SST-42	**2256398**	**EAMM-A-D40-40G-G2[2]**
EMMS-ST-57-... **EMGA-60-P-G...-SST-57**	**2256400**	**EAMM-A-D40-60G**
With integrated drive		
EMCA-EC-67-...	**1454243**	**EAMM-A-D40-67A**
With integrated drive and gear unit		
EMCA-EC-67-...	**560282**	**EAMM-A-D40-40G**
EMGC-40-...	**2256398**	**EAMM-A-D40-40G-G2[2]**
EMCA-EC-67-... **EMGC-60-...**	**1454242**	**EAMM-A-D40-60H**

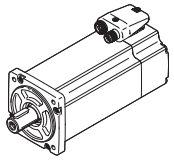
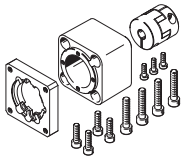
1) The input torque must not exceed the max. permissible transferable torque of the axial kit.

2) The axial kit can be retrofitted from IP40 to IP65 with the help of a seal set EADS-F.

Accessories

Permissible axis/motor combinations with axial kit

Data sheets → Internet: eamm-a

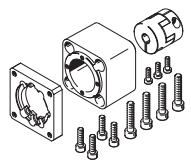
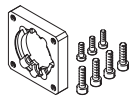
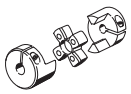
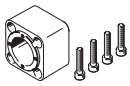
Motor/gear unit[1]	Axial kit	
		• Kits for third-party motors → Internet: eamm-a
Type	Part no.	Type
EGSL-75		
With servo motor		
EMMT-AS-80-..., EMME-AS-80-...	**1977073**	**EAMM-A-D60-80P**
EMMT-AS-100-..., EMME-AS-100-...,	**550983**	**EAMM-A-D60-100A**
With servo motor and gear unit		
EMMT-AS-60-..., EMME-AS-60-... EMGA-60-P-G...-EAS-60	**1454245**	**EAMM-A-D60-60H**
EMMT-AS-80-..., EMME-AS-80-... EMGA-80-P-G...-EAS-80	**1499402**	**EAMM-A-D60-80G**
EMMT-AS-100-..., EMME-AS-100-..., EMGA-80-P-G...-SAS-100	**1499402**	**EAMM-A-D60-80G**
With stepper motor		
EMMS-ST-87-...	**543162**	**EAMM-A-D60-87A**
With stepper motor and gear unit		
EMMS-ST-57-...	**560283**	**EAMM-A-D60-60G**
EMGA-60-P-G...-SST-57	**2256696**	**EAMM-A-D60-60G-G2[2]**
EMMS-ST-87-... EMGA-80-P-G...-SST-87	**1499402**	**EAMM-A-D60-80G**
With integrated drive and gear unit		
EMCA-EC-67-... EMGC-60-...	**1454245**	**EAMM-A-D60-80H**

1) The input torque must not exceed the max. permissible transferable torque of the axial kit.

2) The axial kit can be retrofitted from IP40 to IP65 with the help of a seal set EADS-F.

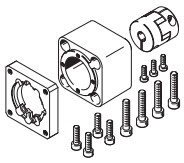
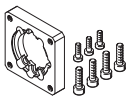
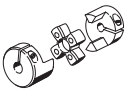
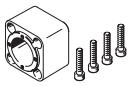
Accessories

Ordering data – Individual components

Axial kit	Comprising: Motor flange	Coupling	Coupling housing
			
Part no. Type	Part no. Type	Part no. Type	Part no. Type
EGSL-35			
1199152 **EAMM-A-D19-40A**	**1199144** **EAMF-A-28D-40A**	**543419** **EAMC-16-20-5-6**	**1087585** **EAMK-A-D19-28D**
1981953 **EAMM-A-D19-40P**	**1982014** **EAMF-A-28D-40P**	**562677** **EAMC-16-20-5-8**	**1087585** **EAMK-A-D19-28D**
1081659 **EAMM-A-D19-28A**	**1087613** **EAMF-A-28D-28A**	**562676** **EAMC-16-20-5-5**	**1087585** **EAMK-A-D19-28D**
1087642 **EAMM-A-D19-42A**	**1087630** **EAMF-A-28D-42A**	**562676** **EAMC-16-20-5-5**	**1087585** **EAMK-A-D19-28D**
EGSL-45			
543147 **EAMM-A-D32-40A**	**552163** **EAMF-A-28B-40A**	**543420** **EAMC-16-20-6-6**	**552155** **EAMK-A-D32-28B**
1454238 **EAMM-A-D32-40G**	**1460095** **EAMF-A-44C-40G-S1**	**562681** **EAMC-30-32-6-10**	**551006** **EAMK-A-D32-44A/C**
1976465 **EAMM-A-D32-40P**	**1976704** **EAMF-A-28B-40P**	**1232854** **EAMC-16-20-6-8**	**552155** **EAMK-A-D32-28B**
543148 **EAMM-A-D32-42A**	**552164** **EAMF-A-28B-42A**	**543419** **EAMC-16-20-5-6**	**552155** **EAMK-A-D32-28B**
550979 **EAMM-A-D32-55A**	**529942** **EAMF-A-44A/B-55A**	**551003** **EAMC-30-32-6-9**	**551006** **EAMK-A-D32-44A/C**
550980 **EAMM-A-D32-57A**	**530081** **EAMF-A-44A/B-57A**	**551002** **EAMC-30-32-6-6.35**	**551006** **EAMK-A-D32-44A/C**
2946758 **EAMM-A-D32-60G**	**1460105** **EAMF-A-44C-60G/H-S1**	**318577** **EAMC-30-32-6-11**	**551006** **EAMK-A-D32-44A/C**
2946760 **EAMM-A-D32-60H**	**1460105** **EAMF-A-44C-60G/H-S1**	**1233256** **EAMC-30-32-6-14**	**551006** **EAMK-A-D32-44A/C**
1956054 **EAMM-A-D32-60P**	**1956846** **EAMF-A-44C-60P**	**1233256** **EAMC-30-32-6-14**	**551006** **EAMK-A-D32-44A/C**
1454239 **EAMM-A-D32-67A**	**1476305** **EAMF-A-44A/B/C-67A-S1**	**551003** **EAMC-30-32-6-9**	**551006** **EAMK-A-D32-44A/C**

Accessories

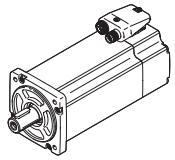
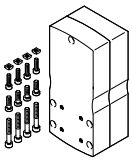
Ordering data – Individual components

Axial kit	Comprising:		
	Motor flange	Coupling	Coupling housing
			
Part no. Type	Part no. Type	Part no. Type	Part no. Type
EGSL-55			
560282 **EAMM-A-D40-40G**	**550986** **EAMF-A-44A/B-40G**	**558029** **EAMC-30-32-8-10**	**552157** **EAMK-A-D40-44A/C**
2256398 **EAMM-A-D40-40G-G2**	**1460095** **EAMF-A-44C-40G-S1**	**558029** **EAMC-30-32-8-10**	**552157** **EAMK-A-D40-44A/C**
543153 **EAMM-A-D40-55A**	**529942** **EAMF-A-44A/B-55A**	**543423** **EAMC-30-32-8-9**	**552157** **EAMK-A-D40-44A/C**
543154 **EAMM-A-D40-57A**	**530081** **EAMF-A-44A/B-57A**	**543421** **EAMC-30-32-6.35-8**	**552157** **EAMK-A-D40-44A/C**
2256400 **EAMM-A-D40-60G**	**1460105** **EAMF-A-44C-60G/H-S1**	**551004** **EAMC-30-32-8-11**	**552157** **EAMK-A-D40-44A/C**
1454242 **EAMM-A-D40-60H**	**1460105** **EAMF-A-44C-60G/H-S1**	**562682** **EAMC-30-32-8-14**	**552157** **EAMK-A-D40-44A/C**
1977000 **EAMM-A-D40-60P**	**1956846** **EAMF-A-44C-60P**	**562682** **EAMC-30-32-8-14**	**552157** **EAMK-A-D40-44A/C**
1454243 **EAMM-A-D40-67A**	**1476305** **EAMF-A-44A/B/C-67A-S1**	**543423** **EAMC-30-32-8-9**	**552157** **EAMK-A-D40-44A/C**
550981 **EAMM-A-D40-70A**	**529943** **EAMF-A-44A/B-70A**	**551004** **EAMC-30-32-8-11**	**552157** **EAMK-A-D40-44A/C**
550982 **EAMM-A-D40-87A**	**530082** **EAMF-A-44A/B-87A**	**551004** **EAMC-30-32-8-11**	**552157** **EAMK-A-D40-44A/C**
EGSL-75			
560283 **EAMM-A-D60-60G**	**550987** **EAMF-A-64A/B-60G/H**	**543424** **EAMC-42-50-11-12**	**552160** **EAMK-A-D60-64B**
2256696 **EAMM-A-D60-60G-G2**	**2256289** **EAMF-A-64B-60G/H-S1**	**543424** **EAMC-42-50-11-12**	**552160** **EAMK-A-D60-64B**
1454245 **EAMM-A-D60-60H**	**2256289** **EAMF-A-64B-60G/H-S1**	**1455671** **EAMC-42-50-12-14**	**552160** **EAMK-A-D60-64B**
543161 **EAMM-A-D60-70A**	**529945** **EAMF-A-64A/B-70A**	**543424** **EAMC-42-50-11-12**	**552160** **EAMK-A-D60-64B**
1499402 **EAMM-A-D60-80G**	**2843290** **EAMF-A-64C-80G-S1**	**2138701** **EAMC-42-50-12-20**	**551007** **EAMK-A-D60-64C**
1977073 **EAMM-A-D60-80P**	**1977113** **EAMF-A-64A/C-80P**	**551005** **EAMC-42-50-12-19**	**551007** **EAMK-A-D60-64C**
543162 **EAMM-A-D60-87A**	**533140** **EAMF-A-64A/B-87A**	**543424** **EAMC-42-50-11-12**	**552160** **EAMK-A-D60-64B**
550983 **EAMM-A-D60-100A**	**529947** **EAMF-A-64A/C/D-100A**	**551005** **EAMC-42-50-12-19**	**551007** **EAMK-A-D60-64C**

Accessories

Permissible axis/motor combinations with parallel kit

Data sheets ➔ Internet: eamm-u

Motor/gear unit[1]	Parallel kit	
		• The kit can be mounted in all directions • Kits for third-party motors ➔ Internet: eamm-u
Type	Part no.	Type
EGSL-45		
With servo motor		
EMME-AS-40-...	**2153283**	**EAMM-U-50-D32-40P-78**
EMMT-AS-60-..., EMME-AS-60-...	**2619586**	**EAMM-U-70-D32-60P-96**
With stepper motor		
EMMS-ST-42-...	**1201607**	**EAMM-U-50-D32-42A-78**
EMMS-ST-57-...	**1210419**	**EAMM-U-60-D32-57A-91**
With integrated drive		
EMCA-EC-67-...	**1577063**	**EAMM-U-60-D32-67A-91**
With servo motor and gear unit		
EMME-AS-40-..., EMGA-40-P-...	**1577358**	**EAMM-U-60-D32-40G-91**
EMMT-AS-60-..., EMME-AS-60-... EMGA-60-P-...-EAS[2]	**2778393**	**EAMM-U-70-D32-60H-96**
With stepper motor and gear unit		
EMMS-ST-42-... EMGA-40-P-...-SST[2]	**1577358**	**EAMM-U-60-D32-40G-91**
EMMS-ST-57-.. EMGA-60-P-...-SST[2]	**2748181**	**EAMM-U-70-D32-60G-96**
With integrated drive and gear unit		
EMCA-EC-67-... EMGC-40-P-...	**1577358**	**EAMM-U-60-D32-40G-91**
EMCA-EC-67-... EMGC-60-P-...[2]	**2778393**	**EAMM-U-70-D32-60H-96**
EGSL-55		
With servo motor		
EMMT-AS-60-..., EMME-AS-60-...	**2617488**	**EAMM-U-70-D40-60P-96**
With stepper motor		
EMMS-ST-57-...	**1210442**	**EAMM-U-60-D40-57A-91**
EMMS-ST-87-...	**1215802**	**EAMM-U-86-D40-87A-102**
With integrated drive		
EMCA-EC-67-...	**1577083**	**EAMM-U-60-D40-67A-91**

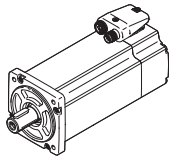
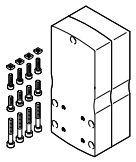
1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

2) Gear unit output shaft diameter: EMGA-60-P-...-SAS/-SST: 11 mm; EMGA-60-P-...-EAS, EMGC-60-P: 14 mm

Accessories

Permissible axis/motor combinations with parallel kit

Data sheets ➔ Internet: eamm-u

Motor / gear unit[1]	Parallel kit		
		• The kit can be mounted in all directions • Kits for third-party motors ➔ Internet: eamm-u	
Type	Part no.	Type	
EGSL-55			
With servo motor and gear unit			
EMME-AS-40-..., EMGA-40-P-...	**1577165**	**EAMM-U-60-D40-40G-91**	
EMMT-AS-60-..., EMME-AS-60-...	**2786101**	**EAMM-U-70-D40-60H-96**	
EMGA-60-P-...-EAS[2]	**1586496**	**EAMM-U-86-D40-60H-102**	
With stepper motor and gear unit			
EMMS-ST-42-... EMGA-40-P-...	**1577165**	**EAMM-U-60-D40-40G-91**	
EMMS-ST-57-...	**2785471**	**EAMM-U-70-D40-60G-96**	
EMGA-60-P-...-SST[2]	**1586445**	**EAMM-U-86-D40-60G-102**	
With integrated drive and gear unit			
EMCA-EC-67-... EMGC-40-P-...	**1577165**	**EAMM-U-60-D40-40G-91**	
EMCA-EC-67-...	**2786101**	**EAMM-U-70-D40-60H-96**	
EMGC-60-P-...[2]	**1586496**	**EAMM-U-86-D40-60H-102**	
EGSL-75			
With servo motor			
EMME-AS-80-...	**2155875**	**EAMM-U-86-D60-80P-102**	
With stepper motor			
EMMS-ST-87-...	**1215784**	**EAMM-U-86-D60-87A-102**	
With servo motor and gear unit			
EMMT-AS-60-..., EMME-AS-60-...	**1586276**	**EAMM-U-86-D60-60H-102**	
EMGA-60-P-...-EAS[2]	**1542264**	**EAMM-U-110-D60-60H-120**	
EMMT-AS-80-..., EMME-AS-80-... EMGA-80-P-...	**1532949**	**EAMM-U-110-D60-80G-120**	
With stepper motor and gear unit			
EMMS-ST-57-...	**1586347**	**EAMM-U-86-D60-60G-102**	
EMGA-60-P-...-SST[2]	**1543240**	**EAMM-U-110-D60-60G-120**	
EMMT-AS-80-..., EMME-AS-80-... EMGA-80-P-...	**1532949**	**EAMM-U-110-D60-80G-120**	
With integrated drive and gear unit			
EMCA-EC-67-...	**1586276**	**EAMM-U-86-D60-60H-102**	
EMGC-60-P-...[2]	**1542264**	**EAMM-U-110-D60-60H-120**	

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

2) Gear unit output shaft diameter: EMGA-60-P-...-SAS/-SST: 11 mm; EMGA-60-P-...-EAS, EMGC-60-P: 14 mm

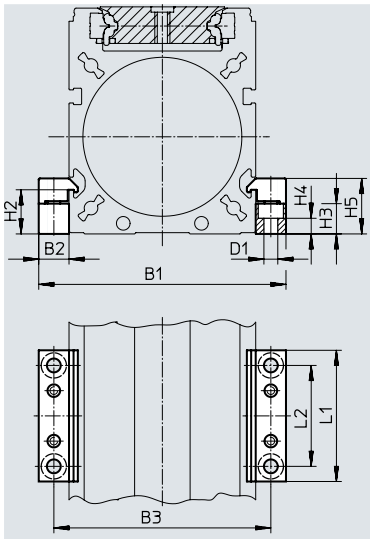
Note

The clamping element EADT is required to adjust the toothed belt pretension for EAMM-U-110.

The motor and/or axis shaft can optionally be supported with a counter bearing EAMG.

Accessories

Profile mounting
EAHF/MUE
Material:
Anodised aluminium

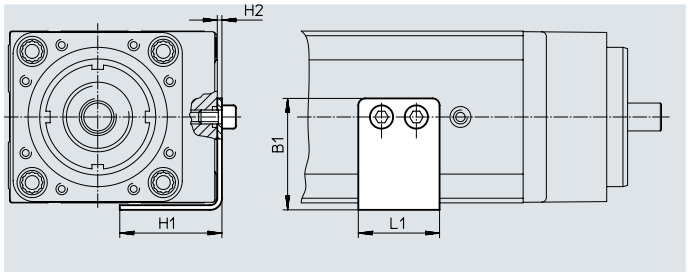


Dimensions and ordering data

For size	B1	B2	B3	D1 ø	H2	H3
35	49.5	8	41.5	3.4	10.5	10
45	68.5	12	56.5	5.5	12.5	8.3
55	77	12	65	5.5	17.5	12
75	98	12	86	5.5	17.5	12

For size	H4	H5	L1	L2	Weight [g]	Part no.	Type
35	6.8	15.5	40	20	20	**1170211**	**EAHF-G1-35-P**
45	2.5	17	52	40	23	**1168859**	**EAHF-G1-45-P**
55	6.2	22	52	40	80	**558043**	**MUE-7 0/80**
75	6.2	22	52	40	80	**558043**	**MUE-7 0/80**

Switch lug EAPM
Material:
Galvanised steel



Dimensions and ordering data

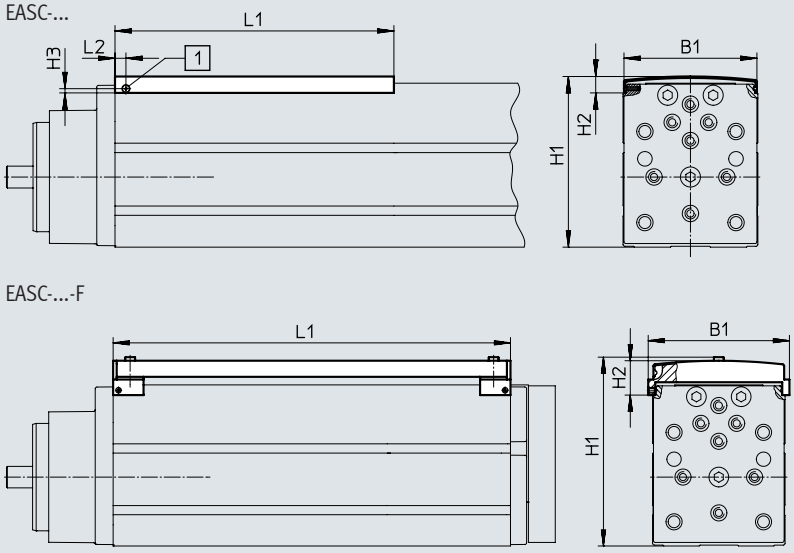
For size	B1	H1	H2	L1	Weight [g]	Part no.	Type
35	25.5	25	1.5	17	15	**1235029**	**EAPM-G1-35-SLS**
45	32	32.5	2	30	30	**1235033**	**EAPM-G1-45-SLS**
55	36	35	2	30	35	**1235035**	**EAPM-G1-55-SLS**
75	48	44	2	35	50	**1235036**	**EAPM-G1-75-SLS**

Note
The switch lug should only be attached to the designated threads (guide rail at the back).

Accessories

Cover EASC

Material:
Anodised aluminium
Free of copper and PTFE



[1] Countersunk screw M2

Dimensions and ordering data

For size	Length [mm]	B1	H1	H2	H3	L1 −0.5	L2 −0.3	Part no.	Type
For use without switch lug									
35	50	32.5	43.2	8.5	2.3	58	6	**570819**	**EASC-G1-35-50**
	500[1)]					500		**570874**	**EASC-G1-35-500**
45	100	43.5	59.7	9	2.3	108	6	**570822**	**EASC-G1-45-100**
	200					208		**570823**	**EASC-G1-45-200**
	500[1)]					500		**570875**	**EASC-G1-45-500**
55	100	52	69.7	9	2.3	108	6	**570824**	**EASC-G1-55-100**
	200					208		**570825**	**EASC-G1-55-200**
	250					258		**570826**	**EASC-G1-55-250**
	500[1)]					500		**570876**	**EASC-G1-55-500**
75	100	73	93.7	9	2.3	108	6	**570827**	**EASC-G1-75-100**
	200					208		**570828**	**EASC-G1-75-200**
	300					308		**570829**	**EASC-G1-75-300**
	500[1)]					500		**570877**	**EASC-G1-75-500**
For use with switch lug									
35	50	38.3	55	19.1	–	119.5	–	**570830**	**EASC-G1-35-50-F**
45	100	49.7	71.5	19.6		179		**570833**	**EASC-G1-45-100-F**
	200					279		**570834**	**EASC-G1-45-200-F**
55	100	58.2	81.5	19.6		204		**570835**	**EASC-G1-55-100-F**
	200					304		**570836**	**EASC-G1-55-200-F**
	250					383		**570837**	**EASC-G1-55-250-F**
75	100	78.9	105.5	19.4		218		**570838**	**EASC-G1-75-100-F**
	200					318		**570839**	**EASC-G1-75-200-F**
	300					423		**570840**	**EASC-G1-75-300-F**

Note

With the 500 mm covers, the mounting hole must be made by the customer.

1) The cover can be trimmed as required by the customer.

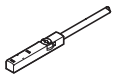
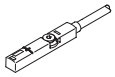
Accessories

Ordering data

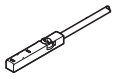
	For size	Description	Part no.	Type	PU[1]
Centring sleeve ZBH[2]					
	35, 45, 55	For slide and yoke plate	**8146544**	**ZBH-7-B**	10
	75		**8137184**	**ZBH-9-B**	
Connector sleeve ZBV					
	45, 55	For connecting mini slide EGSL to mini slide DGSL	**548803**	**ZBV-M5-7**	3
	75		**548804**	**ZBV-M6-9**	

1) Packaging unit
2) Six included in the scope of delivery of the mini slide

Ordering data – Proximity switches for T-slot, inductive Data sheets → Internet: sies

	Type of mounting	Switching output	Electrical connection	Cable length [m]	Part no.	Type
N/O contact						
	Insertable in the slot from above, flush with the cylinder profile	PNP	Cable, 3-wire	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-wire	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	PNP	Cable, 3-wire	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-wire	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 switches for T-slot, magneto-resistive Data sheets → Internet: smt

	Type of mounting	Switching output	Electrical connection	Cable length [m]	Part no.	Type
N/O contact						
	Insertable in the slot from above, flush with the cylinder profile, short design	PNP	Cable, 3-wire	2.5	**574335**	**SMT-8M-A-PS-24V-E-2,5-OE**
			Plug M8x1, 3-pin	0.3	**574334**	**SMT-8M-A-PS-24V-E-0.3-M8D**

Ordering data – Connecting cables Data sheets → 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	**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**

Accessories

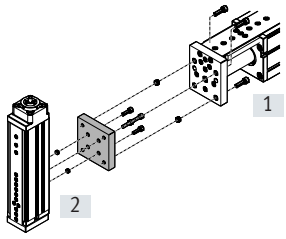
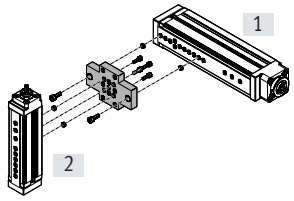
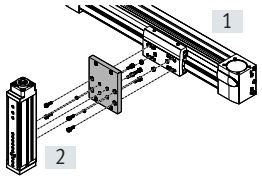
Adapter kit
HMSV

Material:
Wrought aluminium alloy
Free of copper and PTFE
RoHS-compliant

Note
The kit includes the individual mounting interface as well as the necessary mounting material.

Permissible drive/drive combinations with adapter kit

Download CAD data ➔ www.festo.com

Combination	[1] Drive	[2] Drive	Adapter kit				
	Size	Size	CRC[1]	Part no.	Type	Quantity required	PU[2]
EGSL/EGSL	**EGSL**	**EGSL**	**HMSV**				
	35	35	2	–	M4x12 DIN 912[3]	4	–
				8146544	ZBH-7-B[4]	4	10
	45, 55	35		1088295	HMSV-71	1	–
	45	45		–	M5x12 DIN 912[3]	4	–
				8146544	ZBH-7-B[4]	4	10
	55	45, 55		–	M5x14 DIN 912[3]	4	–
				8146544	ZBH-7-B[4]	4	10
	75	45, 55		1088311	HMSV-72	1	–
	75	75		–	M6x18 DIN 912[3]	4	–
				150927	ZBH-9[4]	4	10
	35	35	2	1088327	HMSV-73	1	1
	45, 55	35, 45		1088338	HMSV-74	1	1
	75	45		1089092	HMSV-75	1	1
	55	55		1088338	HMSV-74	1	1
	75	55, 75		1089092	HMSV-75	1	1
EGC/EGSL	**EGC**	**EGSL**	**HMSV**				
	50	35	2	1089104	HMSV-76	1	1
	70	35, 45, 55		1089346	HMSV-77	1	1
	80	45, 55, 75		1089520	HMSV-78	1	1
	120	45, 55, 75		1089527	HMSV-79	1	1

1) Corrosion resistance class CRC 2 to Festo standard FN 940070
Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.
2) Packaging unit.
3) The screws listed are not included in the scope of delivery of the drives.
4) The centring sleeves are included in the scope of delivery of the drives.

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Subject to change