

Mini slides SLS/SLF

FESTO



Key features

General

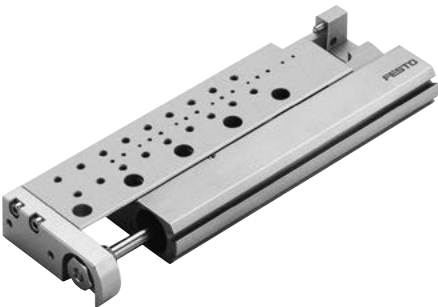
- Double-acting drives
- Precise and rigid guide
- Versatile air connections
- Sensors can be integrated
- Highly flexible thanks to versatile assembly and mounting options on:
 - Drive body
 - Slide
 - Yoke plate

Mini slide SLS



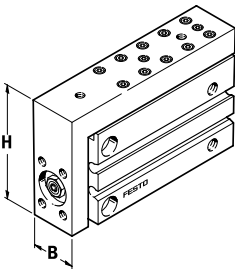
- Slim design
- Integrated end-position cushioning:
 - Elastic cushioning components

Mini slide SLF



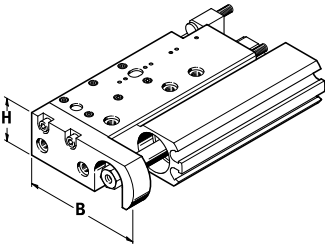
- Flat design
- Adjustable end-position cushioning
 - Elastic cushioning components
- Versatile combination options on:
 - Drives
- System product for handling and assembly technology

The slim mini slide SLS



Piston diameter		Width (W)		x	Height (H)
6 mm	16	x	39 mm		
10 mm	20	x	45 mm		
16 mm	24	x	51 mm		

The flat mini slide SLF

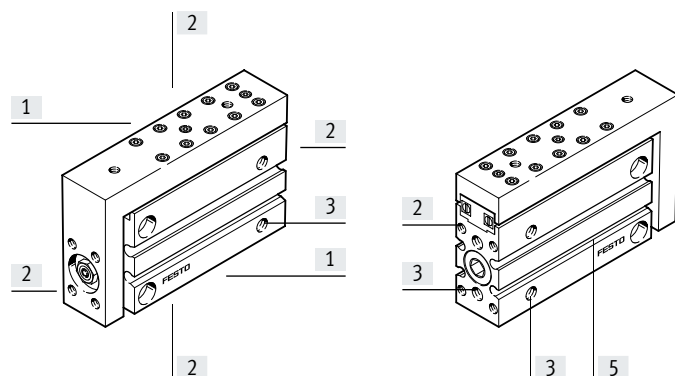


Piston diameter		Width (W)		x	Height (H)
6 mm	46	x	11 mm		
10 mm	48	x	15 mm		
16 mm	62	x	21 mm		

Key features

Versatile

Mini slide SLS



[1] Mounting surface:

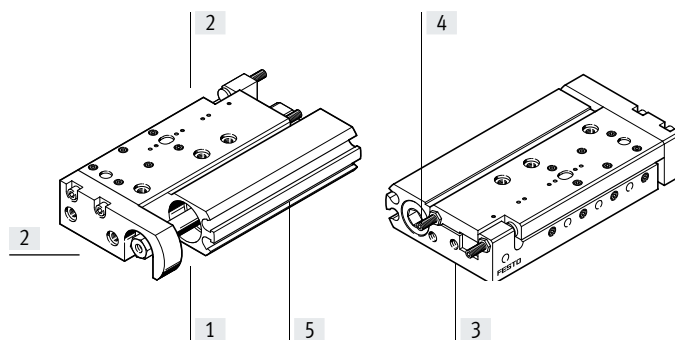
The drive can be directly attached via through-holes or threaded holes (with appropriate screws and centring sleeves ZBH).

[2] Mounting surface:

Devices and loads can be directly attached via threaded holes in the slide and the yoke plate (with appropriate screws and centring sleeves ZBS/ZBH).

[3] Versatile air connections

Mini slide SLF



[4] Adjustable end-position cushioning systems on SLF-...-P-A with elastic cushioning components in the end positions

[5] Sensors can be integrated

Sensor slots for one or more proximity switches SME/SMT-10.

For space-saving, reliable sensing of piston positions. Proximity switches can be freely moved and clamped in the sensor slots provided.

Type codes

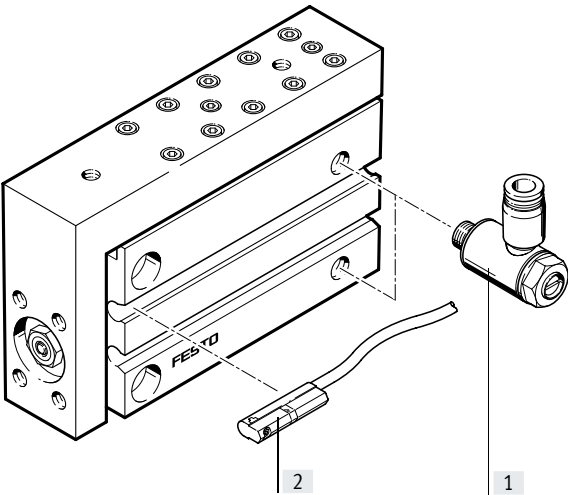
001	Series	
SLS	Mini slide, double-acting	
002	Size	
6	6	
10	10	
16	16	

003	Stroke	
5	5	
10	10	
15	15	
20	20	
25	25	
30	30	

004	Cushioning	
P	Elastic cushioning rings/plates on both sides	

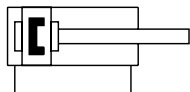
005	Position sensing	
A	For proximity sensor	

Peripherals overview



Accessories		Description	→ Page/Internet
[1]	One-way flow control valve GRLA	For speed regulation	22
	Push-in fitting QS	For connecting compressed air tubing with standard outside diameters	qs
[2]	Proximity switch SME/SMT-10	Sensor slots for one or several proximity switches	22

Data sheet


www.festo.com


-  - Diameter
6 ... 16 mm
-  - Stroke length
5 ... 30 mm

General technical data			
Piston diameter	6	10	16
Pneumatic connection	M5		
Design	Piston, piston rod, slide, yoke, ball bearing cage guide		
Guide	Ball bearing-guided		
Cushioning	Non-adjustable at both ends		
Position sensing	For proximity switch		
Type of mounting	With through-hole		
	With female thread		
Mounting position	Any		
Max. advancing speed	[m/s]	0.5 ¹⁾	0.8
Max. retracting speed	[m/s]	0.5 ¹⁾	0.8

1) Must be throttled externally.

Operating and environmental conditions			
Piston diameter	6	10	16
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]		
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)		
Operating pressure	[bar]	1.5 ... 10	1 ... 10
Ambient temperature ¹⁾	[°C]	-20 ... +60	

1) Note operating range of proximity switches.

Forces [N] and impact energy [Nm]			
Piston diameter	6	10	16
Theoretical force at 6 bar, advancing	17	47	121
Theoretical force at 6 bar, retracting	13	39	104
Max. impact energy at the end positions ¹⁾	Cushioning P ²⁾	0.008	0.05
			0.15

1) Loads moved by the slides must be taken into consideration when calculating the end-position cushioning energy.

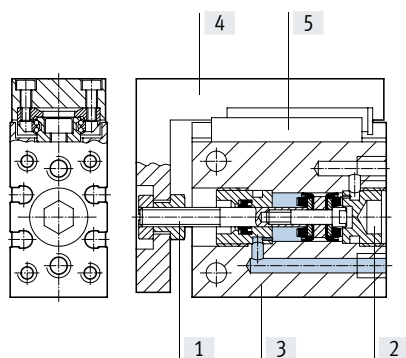
2) Note also the graph illustrating piston speed as a function of payload → page 8

Data sheet

Weights [g]				
Piston diameter	Stroke	6	10	16
Product weight	5	97	130	225
	10	104	139	226
	15	113	149	256
	20	120	164	257
	25	131	182	291
	30	141	191	301
Moving mass	5	28	41	92
	10	28	44	92
	15	32	49	100
	20	33	51	101
	25	37	60	111
	30	38	62	115

Materials

Sectional view

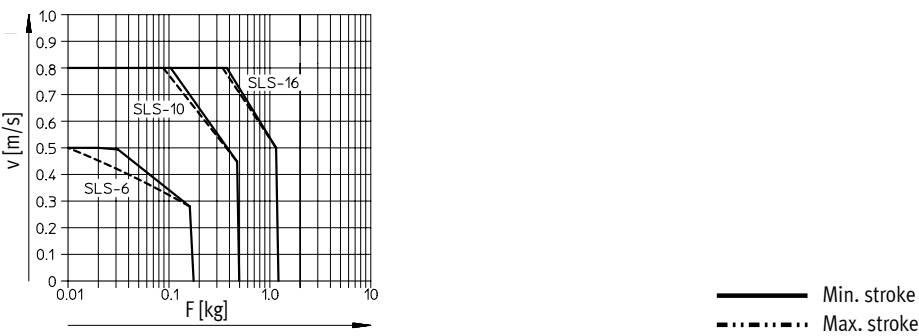


Mini slide		
[1]	Piston rod	High-alloy steel
[2]	Cover	Anodised wrought aluminium alloy
[3]	Housing	Anodised wrought aluminium alloy
[4]	Slide	Anodised wrought aluminium alloy
[5]	Guide	Tempered steel
–	Seals	Thermoplastic rubber, hydrogenated nitrile rubber, nitrile rubber
	Note on materials	Free of copper and PTFE

Data sheet

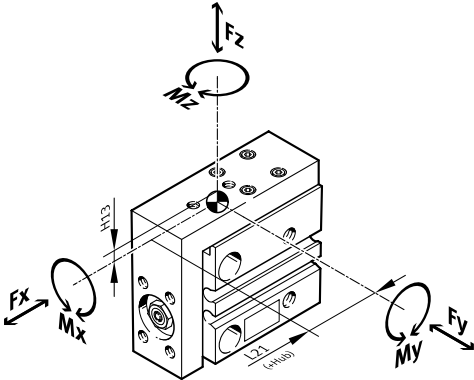
Piston speed *v* as a function of payload *m*
SLS-6/-10/-16-...-P-A

The piston speed as a function of payload illustrated in this graph must not be exceeded as the kinetic impact or residual energy in the end positions can result in damage to the drive.



Dynamic characteristic load values

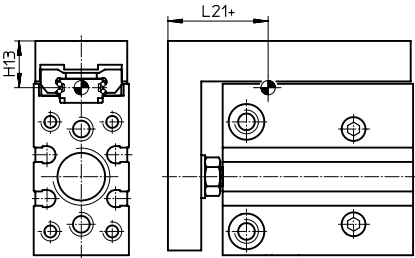
The indicated torques refer to the centre of the guide.
These values must not be exceeded during dynamic operation. Special attention must be paid to the deceleration phase.



If the drive is simultaneously subjected to several of the forces and torques indicated below, the following equation must be satisfied in addition to the indicated maximum loads:

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

Position of the guide centre



+ plus stroke length

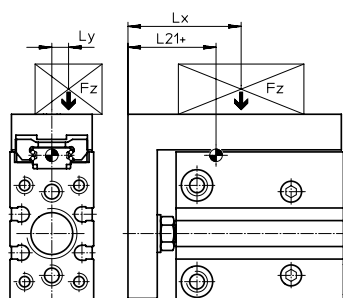
Data sheet

Permissible forces and torques						Geometric characteristics	
Piston diameter	Stroke	F _y _{max} [N]	F _z _{max} [N]	M _x _{max} , M _y _{max} [Nm]	M _z _{max} [Nm]	H13 [mm]	L21 [mm]
6							
	5	220	220	0.6	0.5	8.5	20.5
	10	170	170	0.6	0.5		20.5
	15	180	180	0.9	0.6		23
	20	160	160	0.9	0.6		23
	25	150	150	0.9	0.6		23
	30	140	140	0.9	0.6		23
10							
	5	220	220	0.6	0.5	10	27.5
	10	170	170	0.6	0.5		27.5
	15	170	170	1.1	0.7		36
	20	150	150	1.1	0.7		36
	25	140	140	1.1	0.7		36
	30	130	130	1.1	0.7		36
16							
	5	590	590	2.1	1.6	11	30.5
	10	470	470	2.1	1.6		30.5
	15	410	410	1.7	1.3		30.5
	20	370	370	1.7	1.3		30.5
	25	410	410	2.5	1.4		34
	30	390	390	2.5	1.4		34

Calculation example

Given:

To be calculated:



Mini slide = SLS-10

Stroke length

20 mm

Lever arm L_x = 5 mmLever arm L_y = 20 mmMass F_z = 0.495 kgAcceleration a = 0 m/s² F_y , F_z , M_x , M_y , M_z

and

verification of operation with
combined load

Solution:

 $L21 = 36$ mm from table $F_y = 0$ N

$$F_z = m \times g$$

$$= 0.495 \text{ kg} \times 9.81 \text{ m/s}^2 = 4.856 \text{ N}$$

$$M_x = m \times g \times L_y$$

$$= 0.495 \text{ kg} \times 9.81 \text{ m/s}^2 \times 20 \text{ mm} = 0.097 \text{ Nm}$$

$$M_y = m \times g \times [(L21 + \text{Hub}) - L_x]$$

$$= 0.495 \text{ kg} \times 9.81 \text{ m/s}^2 [(36 \text{ mm} + 20 \text{ mm}) - 5 \text{ mm}] = 0.248 \text{ Nm}$$

$$M_z = 0 \text{ Nm}$$

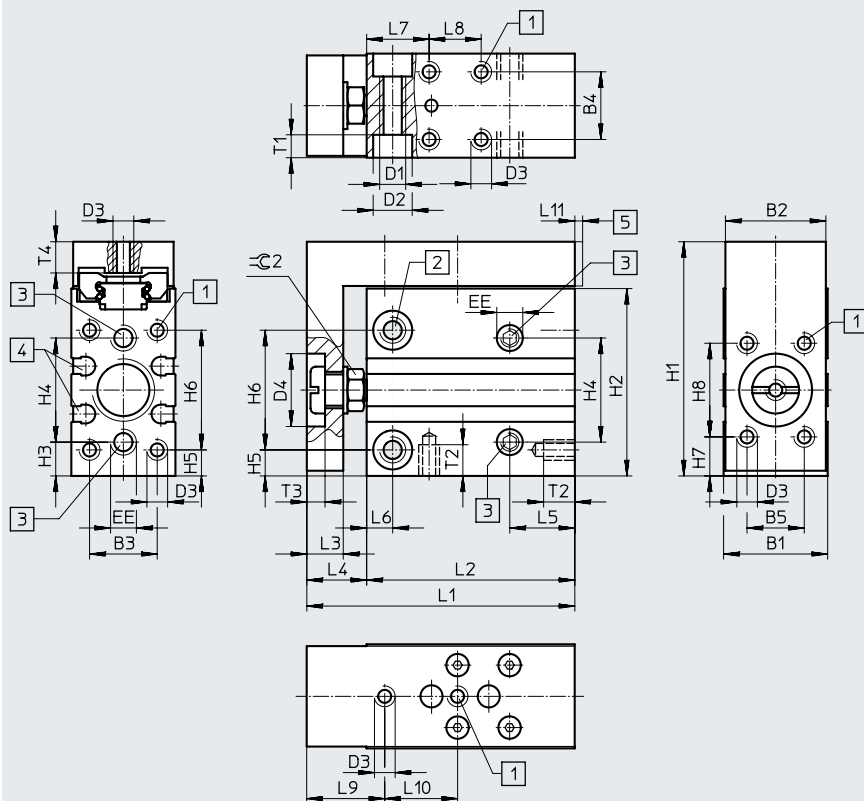
Combined load:

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

$$= 0 + \frac{4.856 \text{ N}}{150 \text{ N}} + \frac{0.097 \text{ Nm}}{1.1 \text{ Nm}} + \frac{0.248 \text{ Nm}}{1.1 \text{ Nm}} + 0 = 0.345 \leq 1$$

Data sheet

Dimensions

Download CAD data → www.festo.com

- [1] Mounting thread
 [2] Through-holes and threaded holes for mounting the drive
 [3] Compressed air supply ports
 [4] Sensor slot for proximity switch SME/SMT-10
 [5] Possible protrusion of the slide in relation to the edge of the housing

Ø	Stroke	B1	B2	B3	B4	B5	D1	D2	D3	D4	EE	H1
[mm]	[mm]	+0.4						Ø		Ø H11		
6	5	16	15.3	10.5	10	9	M4	6	M3	12	M5	39
	10											
	15											
	20											
	25											
	30											
10	5	20	19.3	13	13	11	M5	7.5	M4	14	M5	45
	10											
	15											
	20											
	25											
	30											
16	5	24	23.3	17	17	16	M5	7.5	M4	19.5	M5	51
	10											
	15											
	20											
	25											
	30											

Data sheet

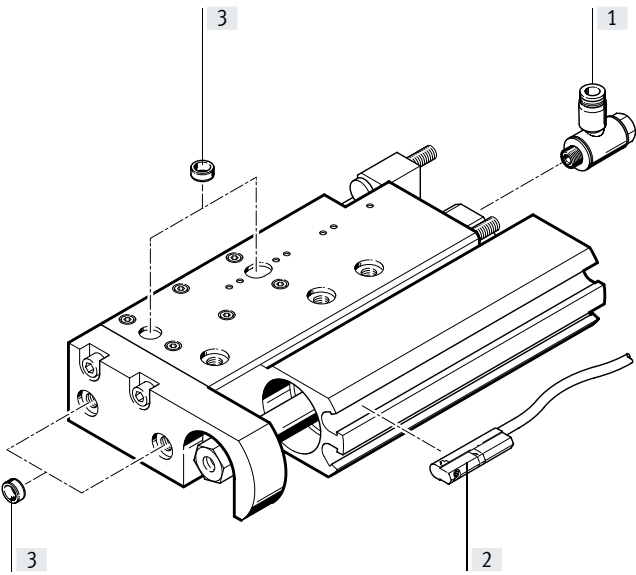
∅	Stroke	H2	H3	H4	H5	H6	H7	H8	L1	L2	L3	L4	L5
[mm]	[mm]												
6	5	31	6	17	5	19	7	15	46	37.5	6	8.5	10
	10								51	42.5			
	15								56	47.5			
	20								61	52.5			
	25								66	57.5			
	30								71	62.5			
10	5	36	6.5	20	5	23	7.5	18	51.5	40	7	11.5	12.5
	10								56.5	45			
	15								61.5	50			
	20								66.5	55			
	25								73.5	62			
	30								78.5	67			
16	5	41	6.5	25	5.5	27	6	26	66	52	10	14	12.5
	10								76	62			
	15												
	20												
	25												
	30								91	77			

∅	Stroke	L6	L7	L8	L9	L10	L11	T1	T2	T3	T4	⊕ 2
[mm]	[mm]											
6	5	4	10	10	13	20	-	3.3	4.8	3	5	7
	10			15		25						
	15			20		30						
	20			25		40						
	25			30								
	30			35								
10	5	5	12	10	15	14	Max. 0.75	4.4	6	3.5	6	8
	10			14		19						
	15			18		25						
	20			24		30						
	25			32		40						
	30			35		45						
16	5	5	12	20	18	24	Max. 0.75	4.4	6	5	6	13
	10			20		35						
	15			30		45						
	20					50						
	25			40								
	30			45		55						

Data sheet

Ordering data			
Ø [mm]	Stroke [mm]	Part no.	Type
6			
	5	170485	SLS-6-5-P-A
	10	170486	SLS-6-10-P-A
	15	170487	SLS-6-15-P-A
	20	170488	SLS-6-20-P-A
	25	170489	SLS-6-25-P-A
	30	170490	SLS-6-30-P-A
10			
	5	170491	SLS-10-5-P-A
	10	170492	SLS-10-10-P-A
	15	170493	SLS-10-15-P-A
	20	170494	SLS-10-20-P-A
	25	170495	SLS-10-25-P-A
	30	170496	SLS-10-30-P-A
16			
	5	170497	SLS-16-5-P-A
	10	170498	SLS-16-10-P-A
	15	170499	SLS-16-15-P-A
	20	170500	SLS-16-20-P-A
	25	170501	SLS-16-25-P-A
	30	170502	SLS-16-30-P-A

Peripherals overview



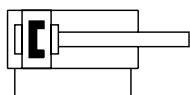
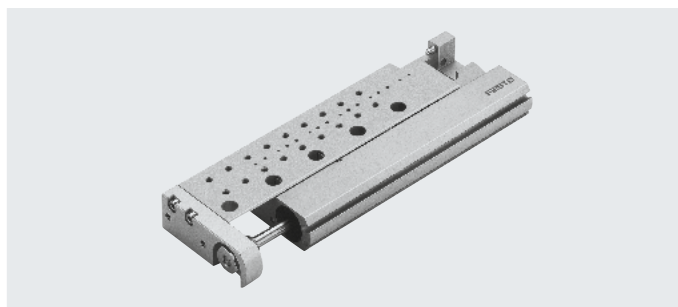
Note
End stops must not be removed.

Accessories		Description	→ Page/Internet
[1]	One-way flow control valve GRLA	For speed regulation	22
	Push-in fitting QS	For connecting compressed air tubing with standard outside diameters	qs
[2]	Proximity switch SME/SMT-10	Sensor slots for one or several proximity switches	22
[3]	Centring pin/sleeve ZBS/ZBH	For centring loads and attachments	22

Type codes

001	Series		
SLF	Mini slide, double-acting		
002	Size		
6	6		
10	10		
16	16		
003	Stroke		
10	10		
20	20		
30	30		
40	40		
50	50		
80	80		
004	Cushioning		
P	Elastic cushioning rings/plates on both sides		
005	Position sensing		
A	For proximity sensor		

Data sheet


www.festo.com


- $\varnothing$ - Diameter
6 ... 16 mm
- I - Stroke length
10 ... 80 mm

General technical data			
Piston diameter	6	10	16
Pneumatic connection	M5		
Design	Piston, piston rod, slide, yoke, ball bearing cage guide		
Guide	Ball bearing-guided		
Cushioning	Non-adjustable at both ends		
Position sensing	For proximity switch		
Type of mounting	With through-hole		
	With female thread		
Mounting position	Any		
Adjustable end-position	Per end stop	[mm]	5
Max. advancing speed	[m/s]	0.5 ¹⁾	0.8
Max. retracting speed	[m/s]	0.5 ¹⁾	0.8

1) Must be throttled externally.

Operating and environmental conditions			
Piston diameter	6	10	16
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]		
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)		
Operating pressure	[bar]	1.5 ... 10	1 ... 10
Ambient temperature ¹⁾	[°C]	-20 ... +60	

1) Note operating range of proximity switches.

Forces [N] and impact energy [Nm]			
Piston diameter	6	10	16
Theoretical force at 6 bar, advancing	17	47	121
Theoretical force at 6 bar, retracting	13	40	104
Max. impact energy at the end positions ¹⁾	Cushioning P ²⁾	0.016	0.05
			0.1

1) Loads moved by the slides must be taken into consideration when calculating the end-position cushioning energy.

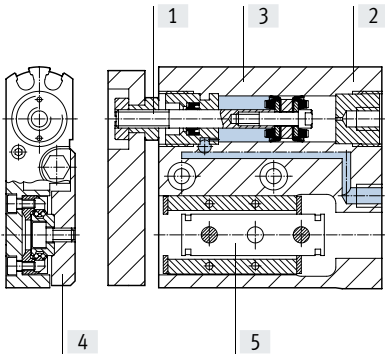
2) Note also the graph illustrating piston speed as a function of payload → page 16

Data sheet

Weights [g]				
Piston diameter	Stroke	6	10	16
Product weight	10	108	135	257
	20	124	156	291
	30	138	171	319
	40	–	178	353
	50		227	407
	80		–	539
Moving mass	10	32	41	99
	20	37	48	109
	30	48	58	122
	40	–	60	133
	50		79	153
	80		–	199

Materials

Sectional view



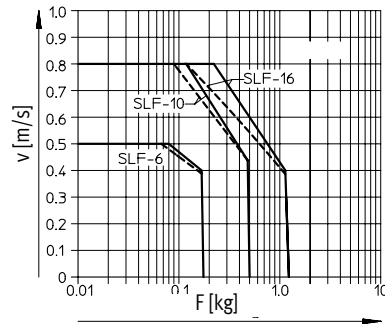
Mini slide		
[1]	Piston rod	High-alloy steel
[2]	Cover	Anodised wrought aluminium alloy
[3]	Housing	Anodised wrought aluminium alloy
[4]	Slide	Anodised wrought aluminium alloy
[5]	Guide	Tempered steel
–	Seals	Thermoplastic rubber, hydrogenated nitrile rubber, nitrile rubber
	Note on materials	Free of copper and PTFE

Data sheet

Piston speed v as a function of payload m

SLF-6/-10/-16-...-P-A

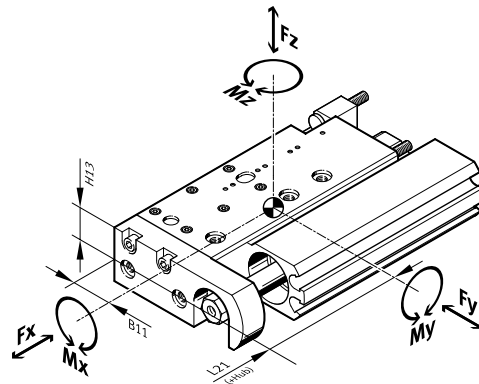
The piston speed as a function of payload illustrated in this graph must not be exceeded as the kinetic impact or residual energy in the end positions can result in damage to the drive.



Characteristic load values

The indicated torques refer to the centre of the guide.

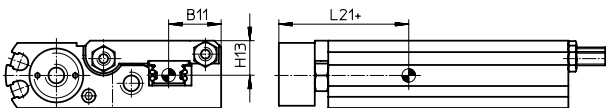
These values must not be exceeded during dynamic operation. Special attention must be paid to the deceleration phase.



If the drive is simultaneously subjected to several of the forces and torques indicated below, the following equation must be satisfied in addition to the indicated maximum loads:

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

Position of the guide centre



+ plus stroke length

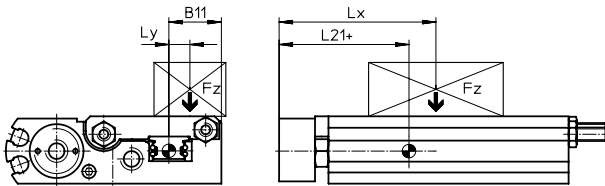
Data sheet

Permissible forces and torques						Geometric characteristics		
Piston diameter	Stroke	Fy _{max} [N]	Fz _{max} [N]	Mx _{max} , My _{max} [Nm]	Mz _{max} [Nm]	B11 [mm]	H13 [mm]	L21 [mm]
6								
	10	170	170	0.6	0.5	14	7	22
	20	150	150	1.1	0.7			21
	30	130	130	1.1	0.7			21
10								
	10	170	170	0.6	0.5	11.5	8	23
	20	150	150	1.1	0.7			25
	30	130	130	1.1	0.7			25
	40	150	150	0.9	0.5			29
	50	190	190	1.4	0.5			34.5
16								
	10	470	470	2.1	1.6	14	11.5	27.5
	20	370	370	1.7	1.3			27.5
	30	390	390	2.5	1.4			31.5
	40	350	350	2.2	1.3			31.5
	50	390	390	3.1	1.4			36
	80	410	410	4.3	1.5			43.5

Calculation example

Given:

To be calculated:



Mini slide = SLF-10

Stroke length

20 mm

Lever arm L_x = 5 mmLever arm L_y = 20 mmMass F_z = 0.495 kgAcceleration a = 0 m/s² F_y, F_z, M_x, M_y, M_z

and

verification of operation with
combined load

Solution:

 $L21 = 25$ mm from table $F_y = 0$ N $F_z = m \times g$

$$= 0.495 \text{ kg} \times 9.81 \text{ m/s}^2 = 4.856 \text{ N}$$

 $M_x = m \times g \times L_y$

$$= 0.495 \text{ kg} \times 9.81 \text{ m/s}^2 \times 20 \text{ mm} = 0.097 \text{ Nm}$$

 $M_y = m \times g \times [(L21 + \text{Hub}) - L_x]$

$$= 0.495 \text{ kg} \times 9.81 \text{ m/s}^2 [(25 \text{ mm} + 20 \text{ mm}) - 5 \text{ mm}] = 0.194 \text{ Nm}$$

 $M_z = 0$ Nm

Combined load:

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

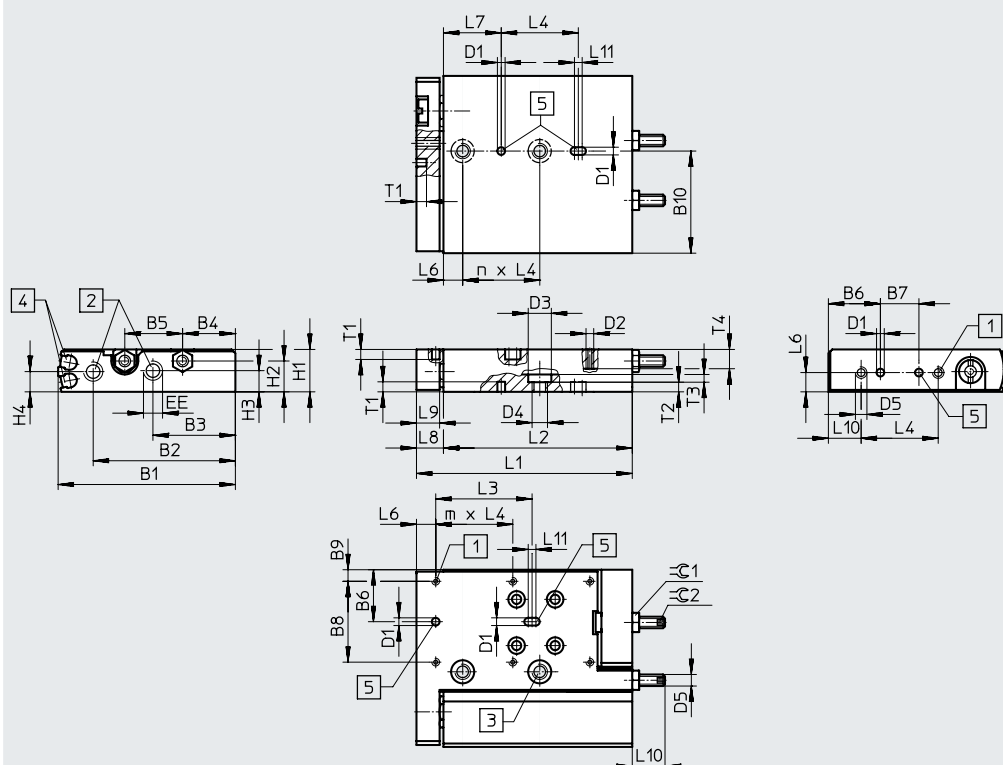
$$= 0 + \frac{4,856 \text{ N}}{150 \text{ N}} + \frac{0,097 \text{ Nm}}{1,1 \text{ Nm}} + \frac{0,194 \text{ Nm}}{1,1 \text{ Nm}} + 0 = 0,297 \leq 1$$

Data sheet

Dimensions

Download CAD data → www.festo.com

Ø 6



[1] Mounting thread

[2] Compressed air supply ports

[3] Through-holes for mounting the drive

[4] Sensor slot for proximity switch SME/SMT-10

[5] Centring holes (centring sleeves included in the scope of delivery)

Ø	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	D1 Ø H7
[mm]											
6	46	36.9	21.4	13.7	15	13.5	10	21	3	26.5	2

Ø	D2	D3 Ø	D4	D5	EE	H1	H2	H3	H4	L4	L6
[mm]											
6	M2	6	M4	M3	M5	11	8	5.5	5.25	20	5

Ø	L7	L8	L9	L10	L11	T1	T2	T3	T4	≈G1	≈G2
[mm]											
6	15	7	6	8.5	2	2.6	2.5	2	5	5	1.5

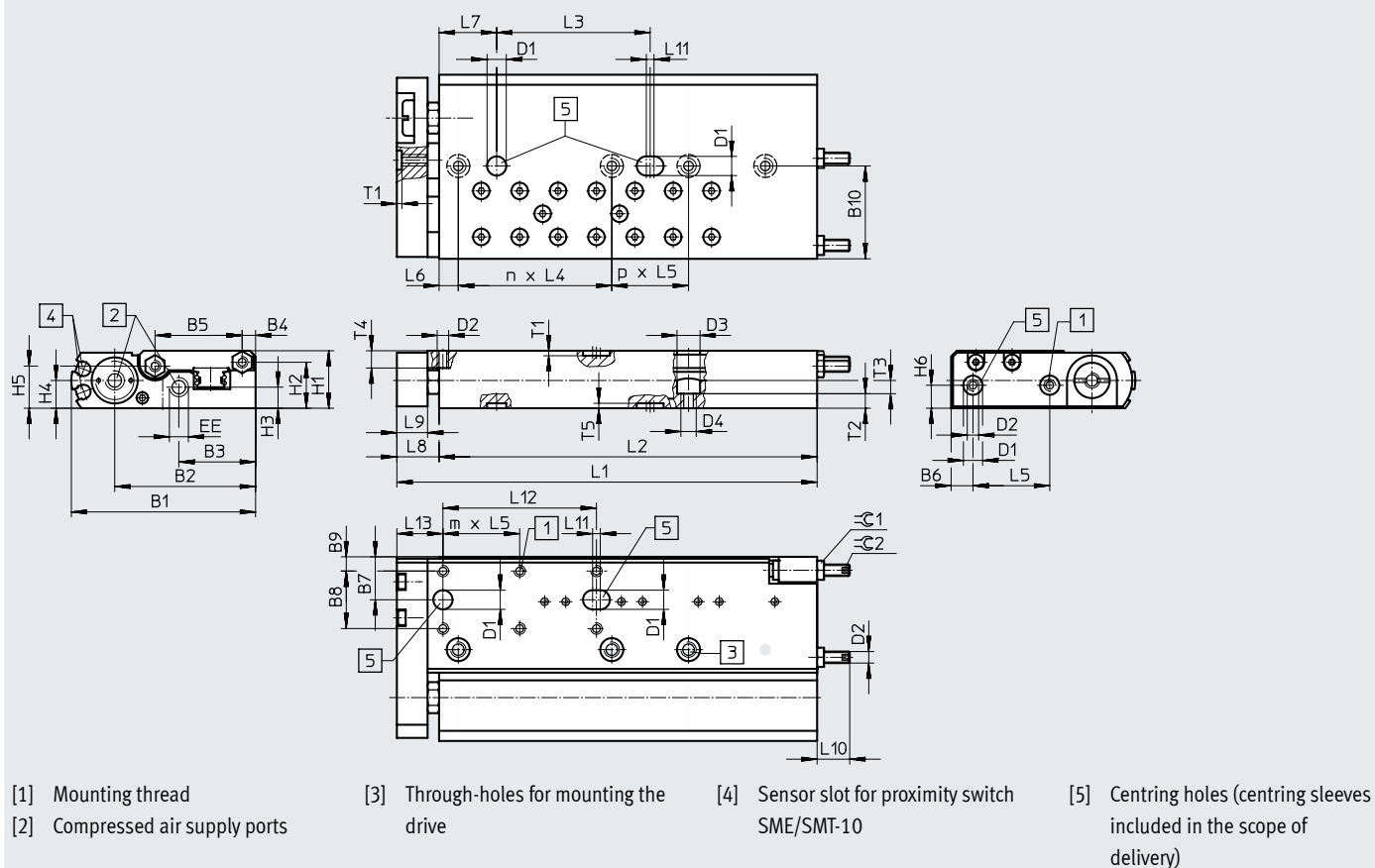
Ø	Stroke	L1	L2	L3	m	n
[mm]	[mm]					
6	10	56	49	20	2	1
	20	66	59	20	2	2
	30	76	69	40	3	2

Data sheet

Dimensions

Download CAD data → www.festo.com

Ø 10



Ø	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	D1 Ø H7	D2	D3 Ø
[mm]													
10	48	36.7	20	3.5	22.7	5.7	11.2	15	3.7	24.2	5	M3	6

Ø	D4	EE	H1	H2	H3	H4	H5	H6	L5	L6	L7	L8
[mm]												
10	M4	M5	15	12	5.5	7.25	11	6	20	5	15	11

Ø	L9	L10	L11	L12	L13	T1	T2	T3	T4	T5	≡G1	≡G2
[mm]										+0.1		
10	8	8.5	2	40	12	1.3	3.8	3	4.5	1.2	5	1.5

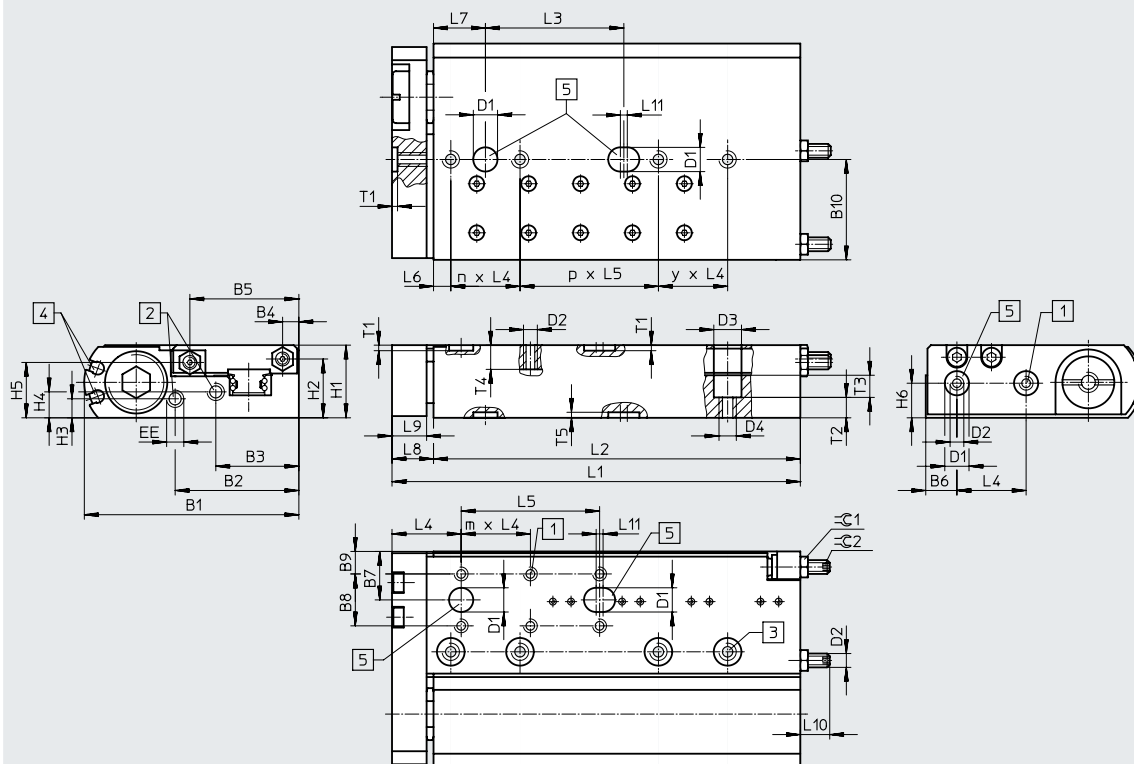
Ø	Stroke	L1	L2	L3	L4	m	n	p
[mm]	[mm]							
10	10	59.5	48.5	20	20	1	1	–
	20	69.5	58.5					
	30	79.5	68.5			40	40	
	40	89.5	78.5	3				
	50	109.5	98.5	1	2			

Data sheet

Dimensions

Download CAD data → www.festo.com

Ø 16



- [1] Mounting thread
 [2] Compressed air supply ports
 [3] Through-holes for mounting the drive
 [4] Sensor slot for proximity switch SME/SMT-10
 [5] Centring holes (centring sleeves included in the scope of delivery)

Ø	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	D1 Ø H7	D2	D3 Ø
[mm]													
16	62	35.75	24	4.7	31.5	9	14	15	6.5	29	7	M4	8

Ø	D4	EE	H1	H2	H3	H4	H5	H6	L4	L5	L6	L7
[mm]												
16	M5	M5	21	17	5.5	7.5	16	10	20	40	5	15

Ø	L8	L9	L10	L11	T1	T2	T3	T4	T5	≈C1	≈C2
[mm]											
16	12	10	8.5	2	1.6	5.9	6	7	1.5	6	2

ø	Stroke	L1	L2	L3	m	n	p	y
[mm]	[mm]							
16	10	68	56	20	1	1	–	–
	20	78	66			2		
	30	88	76		2	3		
	40	98	86	40		1	1	
	50	118	106			2	–	
	80	160	148					

Data sheet

Ordering data			
Ø [mm]	Stroke [mm]	Part no.	Type
6			
	10	170503	SLF-6-10-P-A
	20	170504	SLF-6-20-P-A
	30	170505	SLF-6-30-P-A
10			
	10	170506	SLF-10-10-P-A
	20	170507	SLF-10-20-P-A
	30	170508	SLF-10-30-P-A
	40	170509	SLF-10-40-P-A
	50	170510	SLF-10-50-P-A
16			
	10	170511	SLF-16-10-P-A
	20	170512	SLF-16-20-P-A
	30	170513	SLF-16-30-P-A
	40	170514	SLF-16-40-P-A
	50	170515	SLF-16-50-P-A
	80	170516	SLF-16-80-P-A

Accessories

Ordering data							
		6		10		16	
		Part no.	Type	Part no.	Type	Part no.	Type
Centring pins/sleeves for SLF ¹⁾						Data sheets → Internet: zbh, zbs	
	Housing	525273	ZBS-2	189652	ZBH-5	186717	ZBH-7
	Slide						
	Yoke						

1) Scope of delivery: 10 per pack

Ordering data – One-way flow control valves						Data sheets → Internet: grla	
		Connection Thread	For tubing O.D.	Material	Part no.	Type	
	M5		3	Metal version	193137	GRLA-M5-QS-3-D	
			4		193138	GRLA-M5-QS-4-D	
	G1/8		4		193143	GRLA-1/8-QS-4-D	
			6		193144	GRLA-1/8-QS-6-D	

Ordering data – Proximity switches for C-slot, magneto-resistive							Data sheets → Internet: smt	
		Type of mounting	Switching output	Electrical connection, outlet direction of connection	Cable length [m]	Part no.	Type	
	Insertable in the slot from above		PNP	Cable, 3-wire, in-line	2.5	551373	SMT-10M-PS-24V-E-2,5-L-OE	
				Plug M8x1, 3-pin, in-line	0.3	551375	SMT-10M-PS-24V-E-0,3-L-M8D	
				Plug M8x1, 3-pin, crosswise	0.3	551376	SMT-10M-PS-24V-E-0,3-Q-M8D	

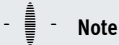
Ordering data – Proximity switches for C-slot, magnetic reed							Data sheets → Internet: sme	
		Type of mounting	Switching output	Electrical connection, outlet direction of connection	Cable length [m]	Part no.	Type	
	Insertable in the slot from above		Contacting	Plug M8x1, 3-pin, in-line	0.3	551367	SME-10M-DS-24V-E-0,3-L-M8D	
				Cable, 3-wire, in-line	2.5	551365	SME-10M-DS-24V-E-2,5-L-OE	
				Cable, 2-wire, in-line	2.5	551369	SME-10M-ZS-24V-E-2,5-L-OE	

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 HAPS

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

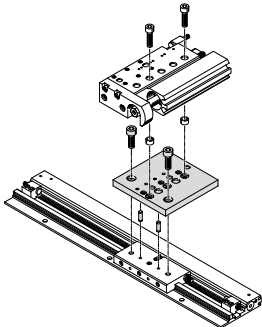


Note

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 size	[2] Drive size	Adapter kit KBK ¹⁾	Part no.	Type	Quantity required	PE ²⁾
SLG/SLF	SLG	SLF	HAPS				
	8, 12	6, 10	2	189533	HAPS-11	1	1
	12	16		189533	HAPS-11	1	1
	18	10, 16		189534	HAPS-12	1	1

1) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. Dry internal application or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

2) Packaging unit quantity.