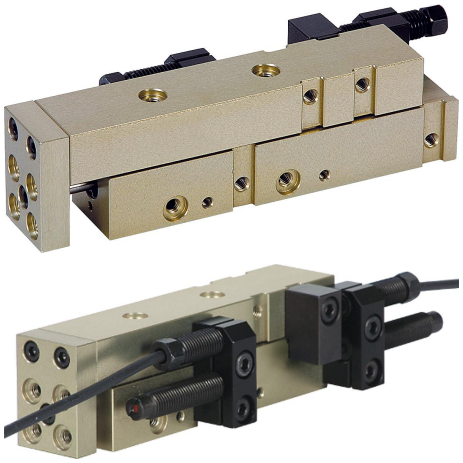
Item description/product images



Description

Material:
Housing high-strength aluminium.
Stop system steel.

Version:
Housing anodised.
Stop system hardened and black oxidised.

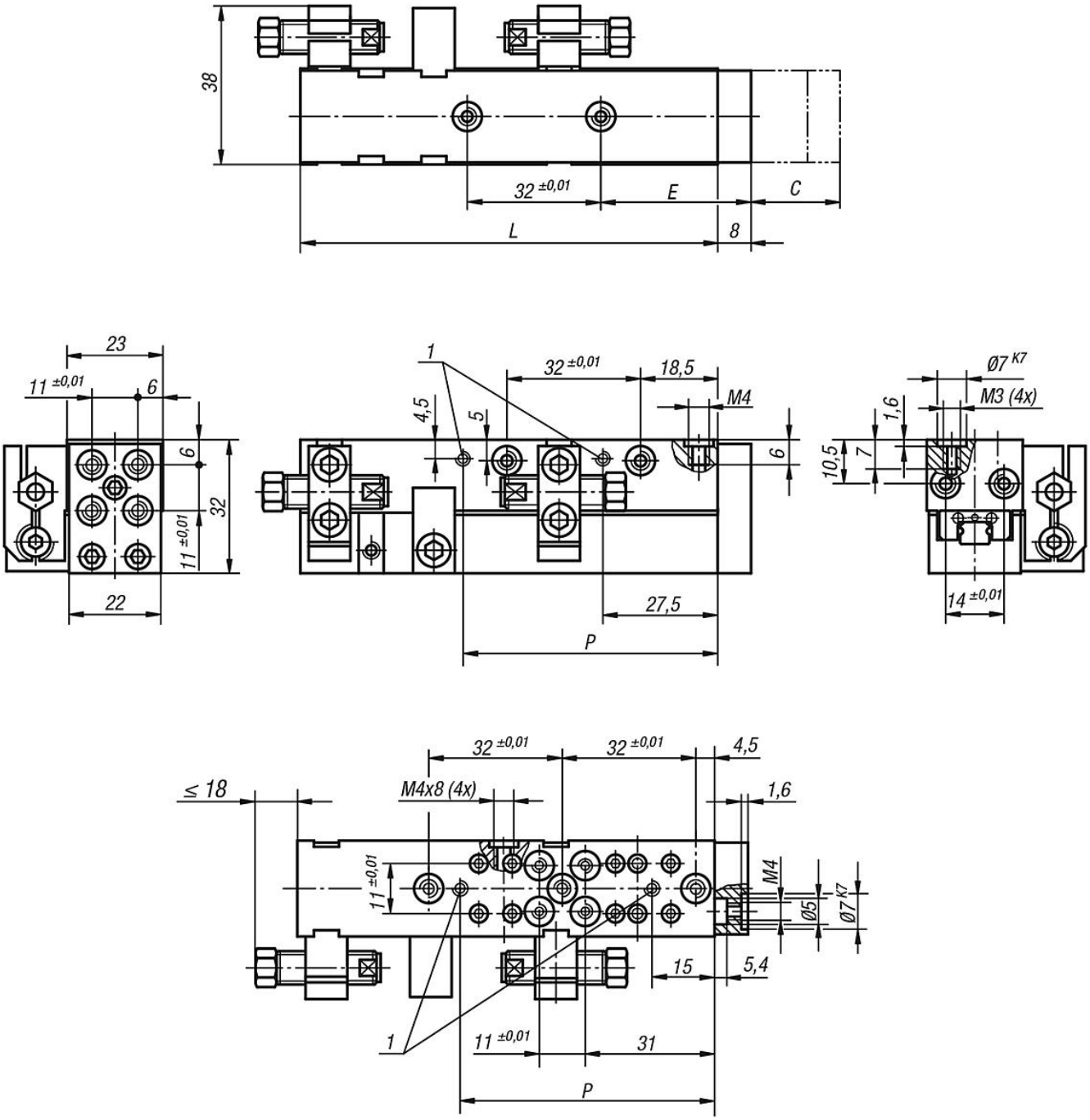
Note:
Maintenance-free pneumatic linear modules for small installation spaces with recirculating ball bearing guide and load capacity of max. 12 N. Control by 4/2 or 5/2 directional valve. Pneumatic drive, 4-8 bar, constant, filtered (10 µm), dried, oiled or unoiled. Compressed air connection M3.
Modules of the same size can be combined with one another without adapter plates via the precise centring system by means of centring rings 20240.
The position of the stop system is variable.

Repeat accuracy ±0.01 mm.

Accessory:
See table for shock absorbers and proximity switches.

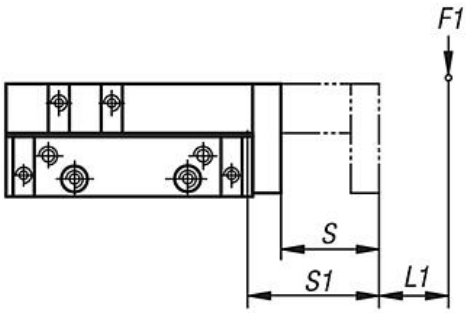
Drawing reference:
1) compressed air connections

Drawings

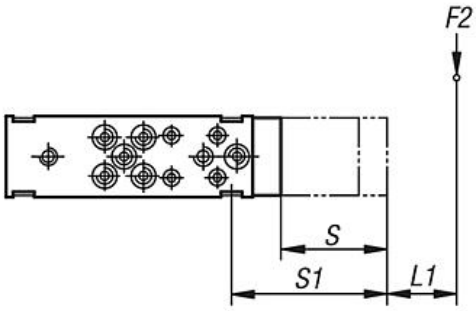

38
32 ±0,01
E
C
L
8
23
11 ±0,01
6
6
32
11 ±0,01
22
1
32 ±0,01
18,5
M4
4,5
5
6
27,5
P
Ø7 K7
M3 (4x)
1,6
10,5
7
14 ±0,01
32 ±0,01
32 ±0,01
4,5
≤ 18
M4x8 (4x)
1,6
11 ±0,01
M4
Ø5
Ø7 K7
15
5,4
1
11 ±0,01
31
P

Drawings

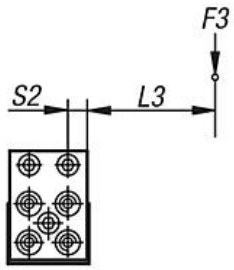
Load data



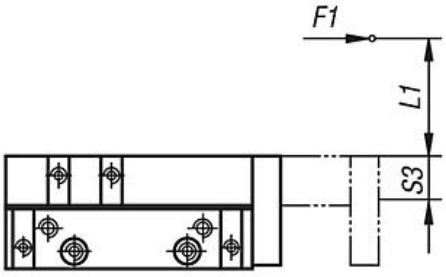
M1 = (S1 + L1) x F1



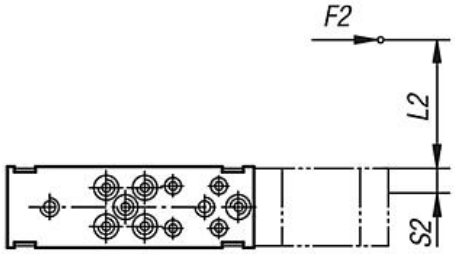
M2 = (S1 + L2) x F2



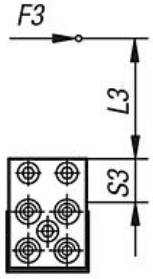
M3 = (S2 + L3) x F3



M1 = (S3 + L1) x F1



M2 = (S2 + L2) x F2



M3 = (S3 + L3) x F3

$$\frac{M1_{eff}}{M1_{zul}} + \frac{M2_{eff}}{M2_{zul}} + \frac{M3_{eff}}{M3_{zul}} \leq 1$$

Calculating the lifespan:

$$L = \left(\frac{M_{zul}}{M_{eff}}\right)^3 \times 10^5$$

L = lifespan (m)
M_{zul} = permissible torque (Nm)
M_{eff} = calculated torque (Nm)

$$L = \left(\frac{C}{F}\right)^3 \times 10^5$$

L = lifespan (m)
C = dynamic base load (N)
F = dynamic load (N)

Overview of items

Order No.	Size	E	L	P	Travel S	Piston force at 6 bar (N)	Retraction force at 6 bars (N)	Cylinder Ø	Air consumption per cycle at 6 bar (ccm)
20032-4035	4	36	100	61	35	18	13	8	30,8
20032-4065	4	51	130	91	65	18	13	8	57,2

Order No.	Size	M1 Nm	M2 Nm	M3 Nm	S1	S2	S3	Dynamic load rating N	Static load rating N
20032-4035	4	8	8	4	13 + S (travel)	7,5	10	1200	1960
20032-4065	4	8	8	4	13 + S (travel)	7,5	10	1200	1960