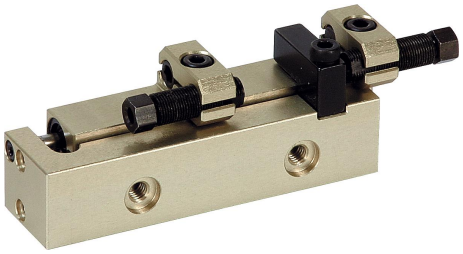
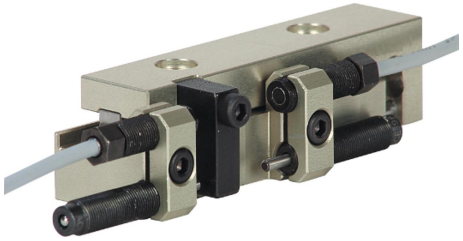
Item description/product images





Description

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

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

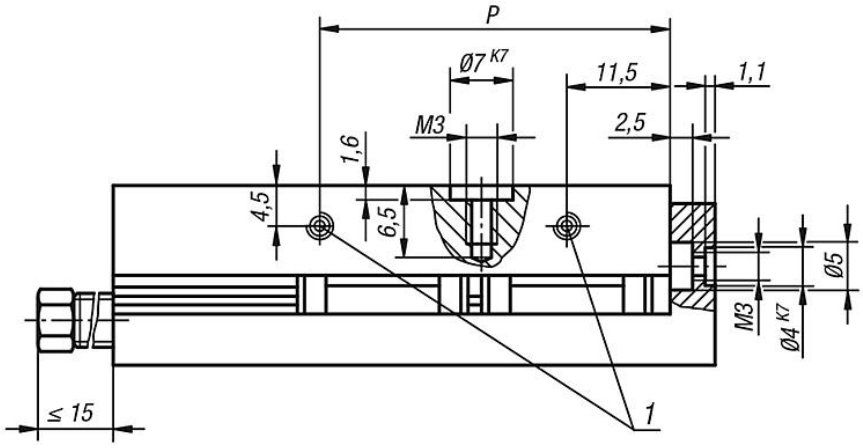
Note:
Maintenance-free pneumatic linear modules for the smallest installation spaces with recirculating ball bearing guide and load capacity of max. 5 N. Control by 4/2 or 5/2 directional valve. Pneumatic drive, 4-8 bar, constant, filtered (10 µm), dried, oiled or unoiled. Compressed air connection M3.
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.

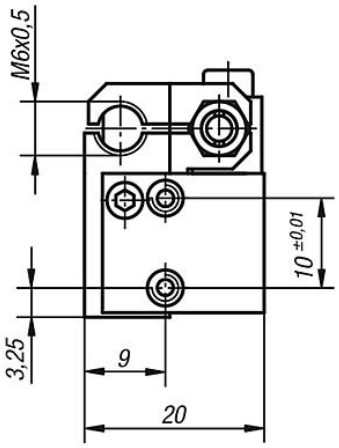
Repeat accuracy ±0.01 mm.

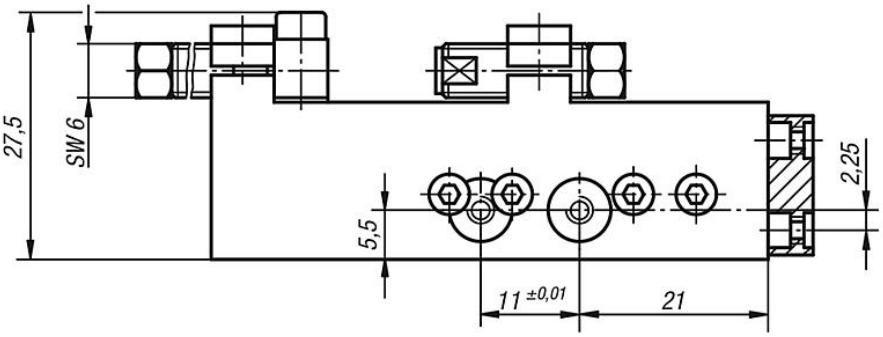
Accessory:
See table for shock absorbers and proximity switches.

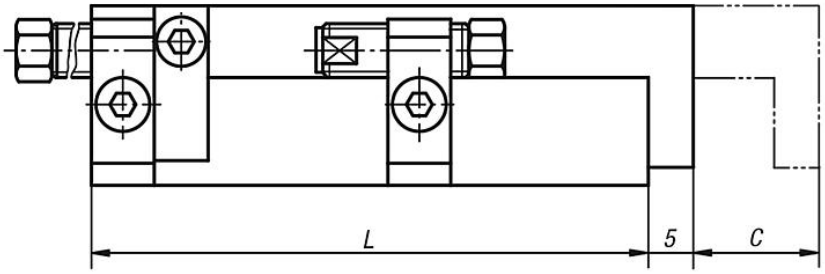
Drawing reference:
1) compressed air connections

Drawings


P
Ø7 K7
11,5
1,1
M3
2,5
1,6
4,5
6,5
Ø5
M3
Ø4 K7
≤ 15
1

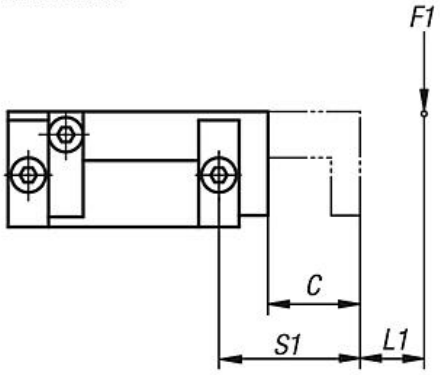

M6x0,5
10 ±0,01
3,25
9
20


27,5
SW 6
2,25
5,5
11 ±0,01
21

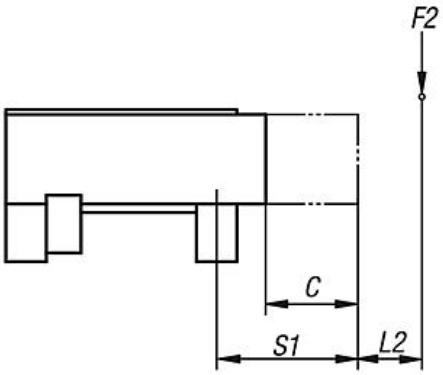

L
5
C

Drawings

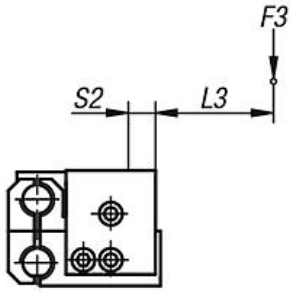
Load data



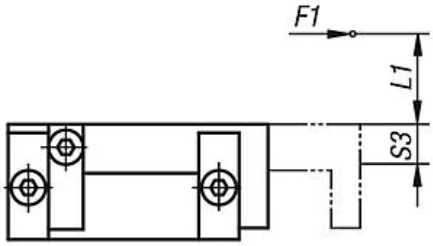
M1 = (S1 + L1) x F1



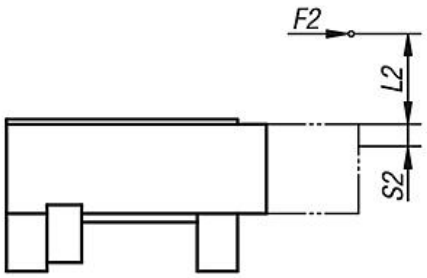
M2 = (S1 + L2) x F2



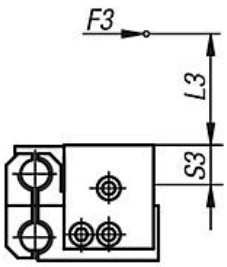
M3 = (S2 + L3) x F3



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

Overview of items