2/2-directional valve, Series AP

- Qn = 350 l/min
- Compressed air connection output G 1/8
- Pipe connection



Type	Poppet valve
Activation	Mechanical
Switching principle	2/2
Nominal flow Qn	350 l/min
Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-30 ... 80 °C
Medium temperature min./max.	-30 ... 80 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m³
Weight	See table below

An example configuration is illustrated. The delivered product may thus deviate from the illustration.

Technical data

Part No.		Actuating element	Compressed air connection type	Compressed air connection Input
0820404020		Plunger	Internal thread	G 1/8
0820404021		Roller	Internal thread	G 1/8
0820404022		Roller lever, one-way trip	Internal thread	G 1/8
0820404023		Push button	Internal thread	G 1/8
0820404024		Lever	Internal thread	G 1/8

Part No.	Compressed air connection Output	Material actuating control	Weight	Fig.
0820404020	G 1/8	Brass	0,065 kg	Fig. 1
0820404021	G 1/8	Polyoxymethylene	0,075 kg	Fig. 2
0820404022	G 1/8	Polyoxymethylene Polyamide	0,075 kg	Fig. 3
0820404023	G 1/8	Polyamide	0,075 kg	Fig. 4
0820404024	G 1/8	Polyamide	0,065 kg	Fig. 5

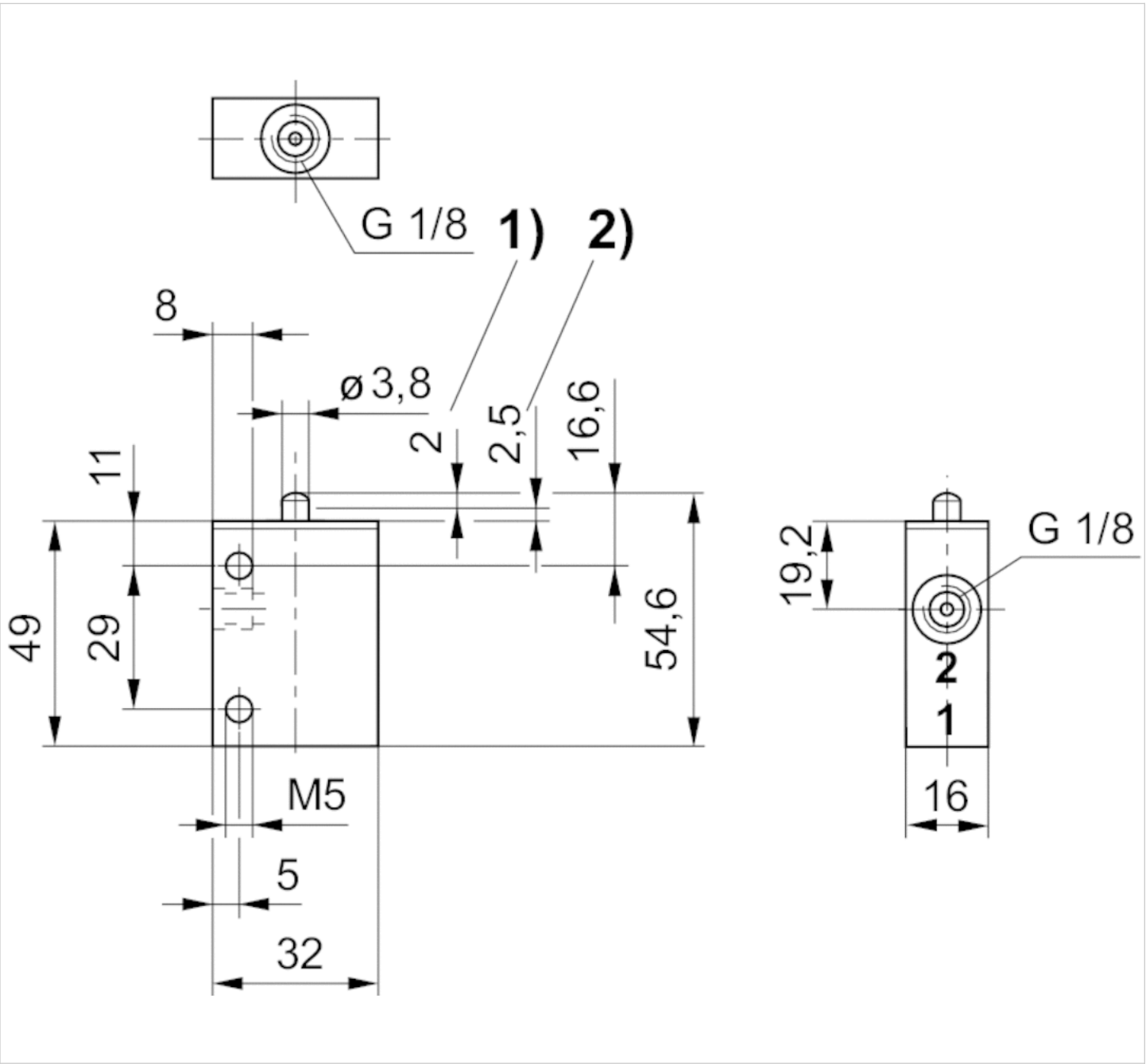
Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

Material	
Housing	Aluminum
Seals	Acrylonitrile butadiene rubber
Actuating element	Brass Polyoxymethylene Polyoxymethylene, Polyamide Polyamide

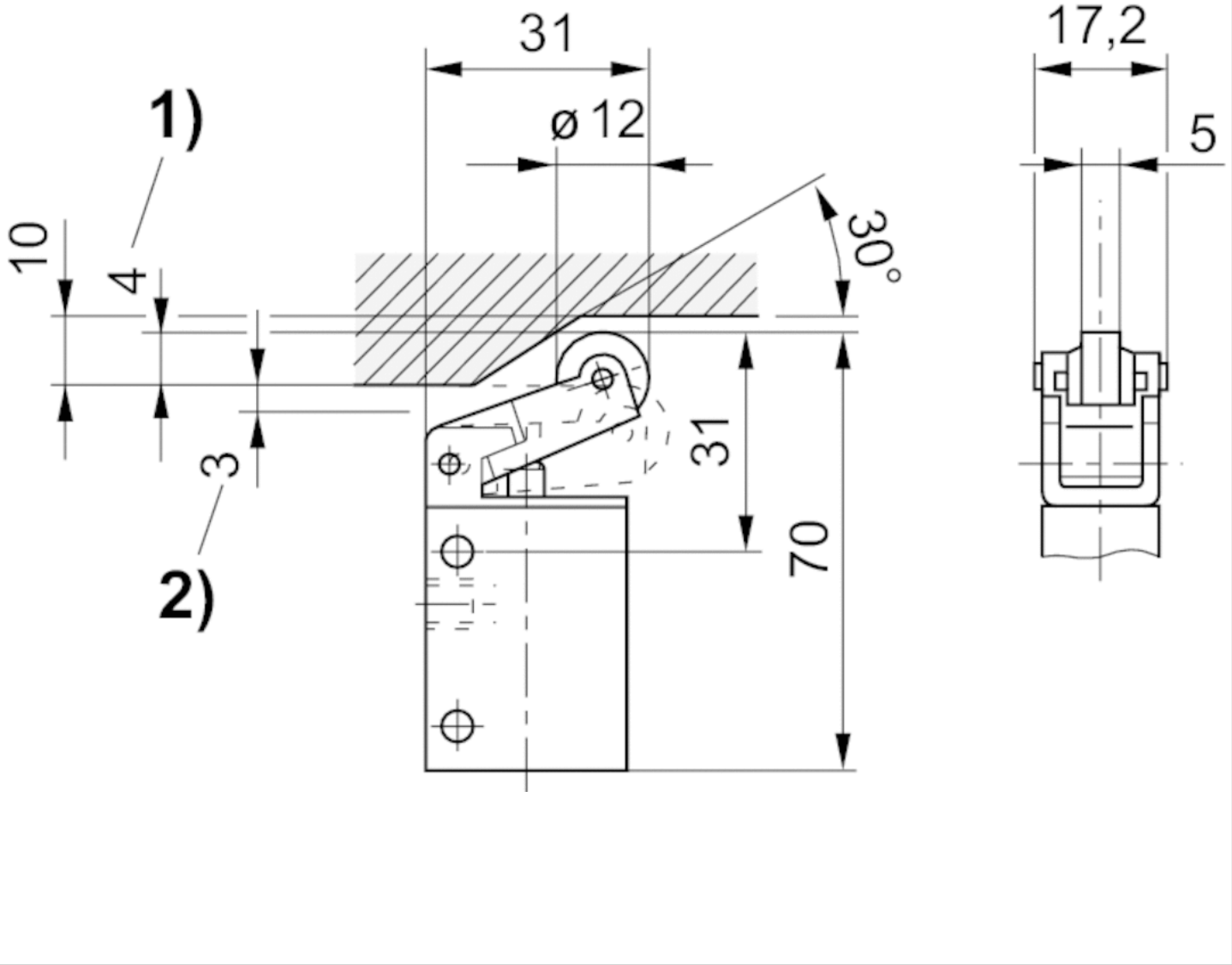
Dimensions

Dimensions, Fig. 1



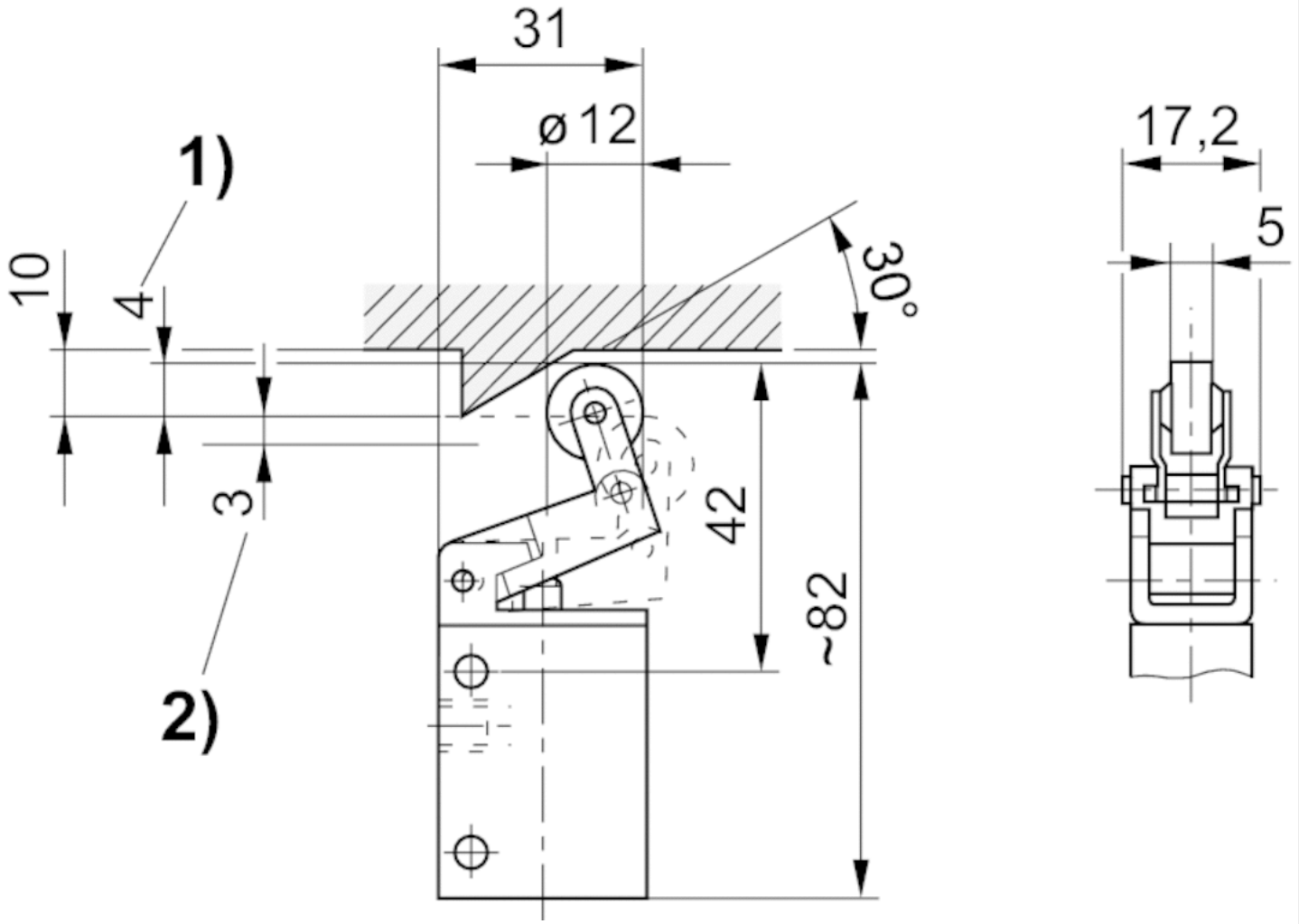
1) actuating stroke
2) overstroke
Dimensions of basic valve apply to all types of actuation.

Dimensions, Fig. 2



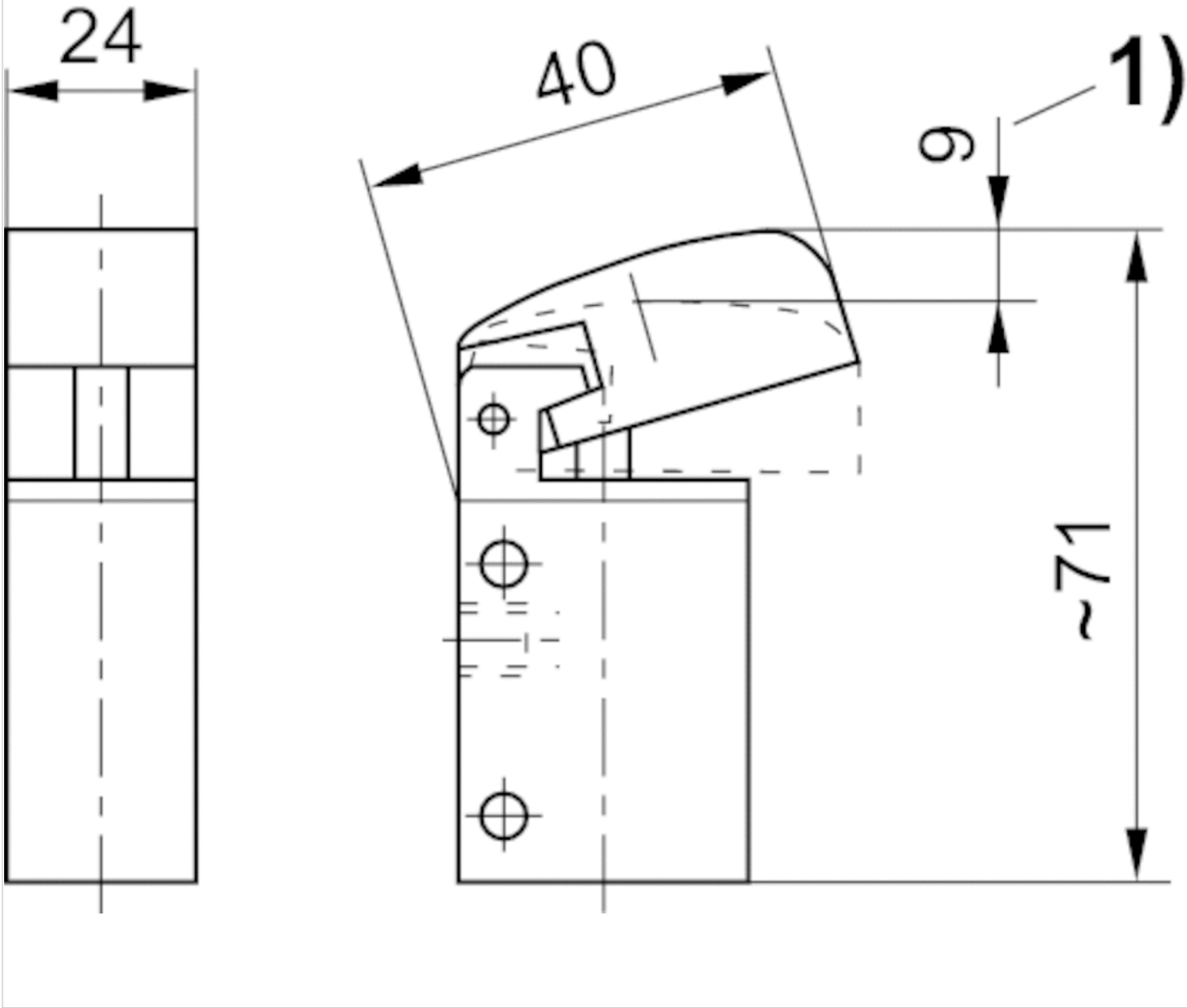
1) actuating stroke
2) overstroke

Dimensions, Fig. 3



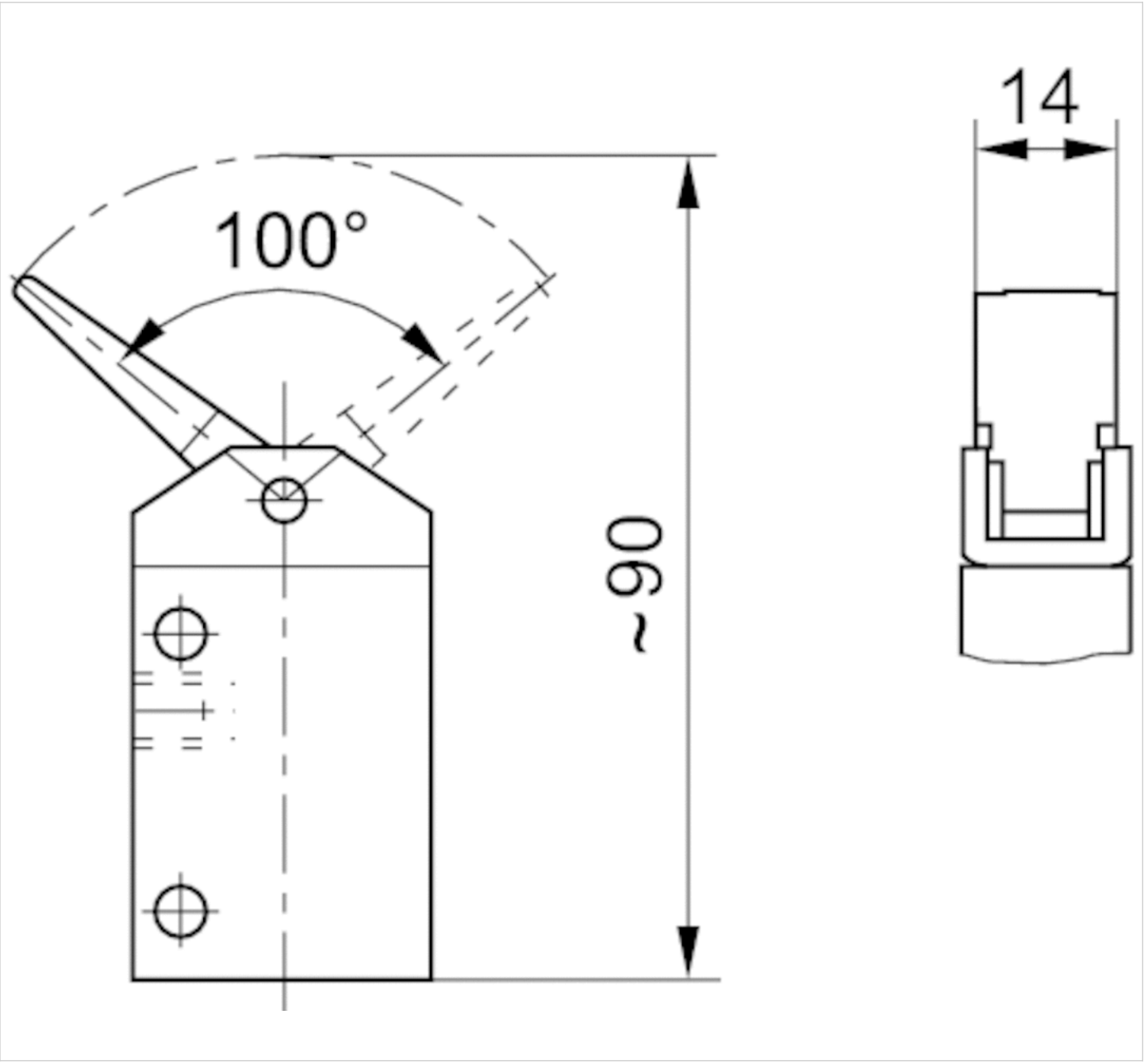
1) actuating stroke
2) overstroke

Dimensions, Fig. 4



1) actuating stroke

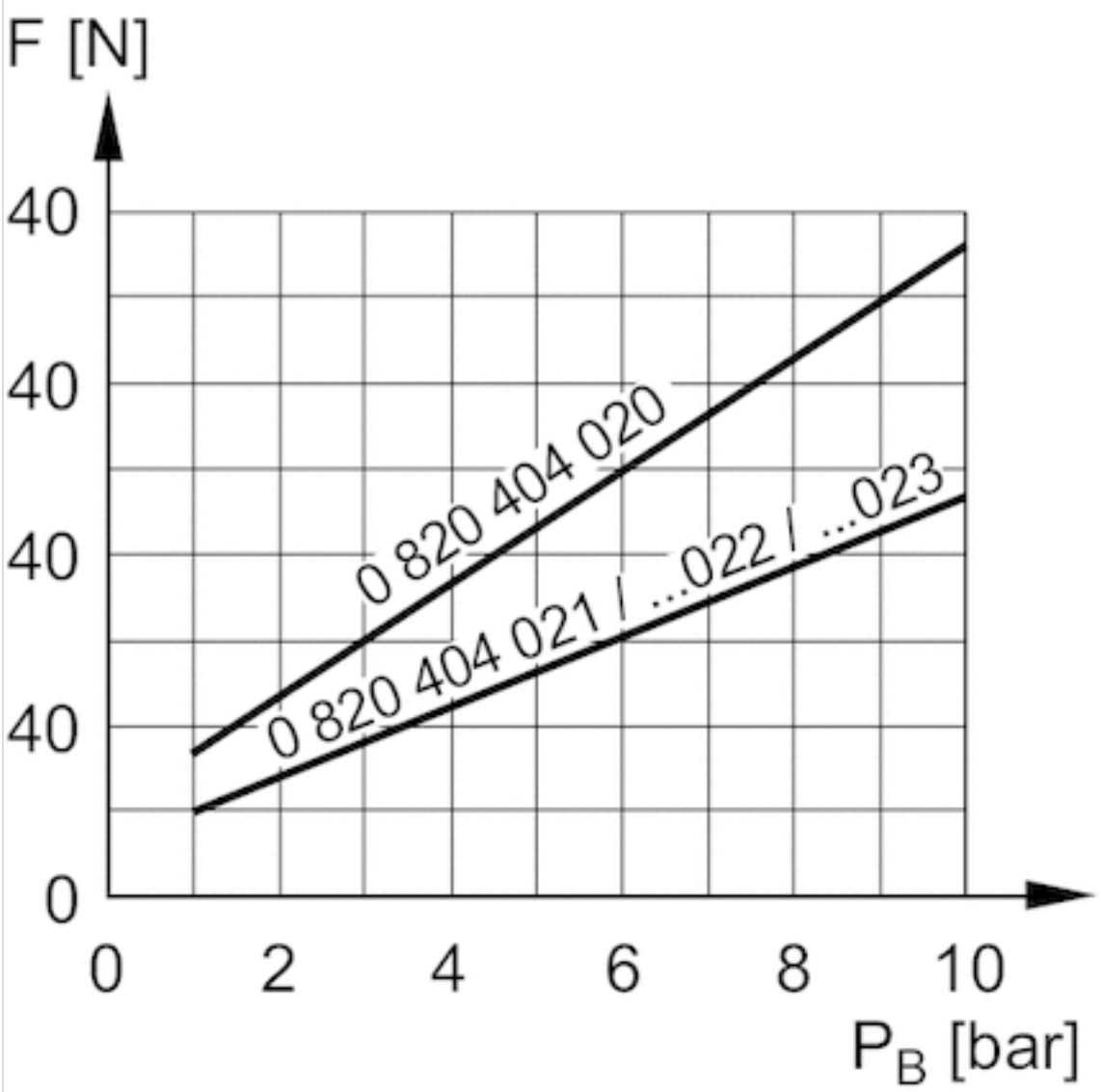
Dimensions, Fig. 5



actuating torque: 6 Ncm

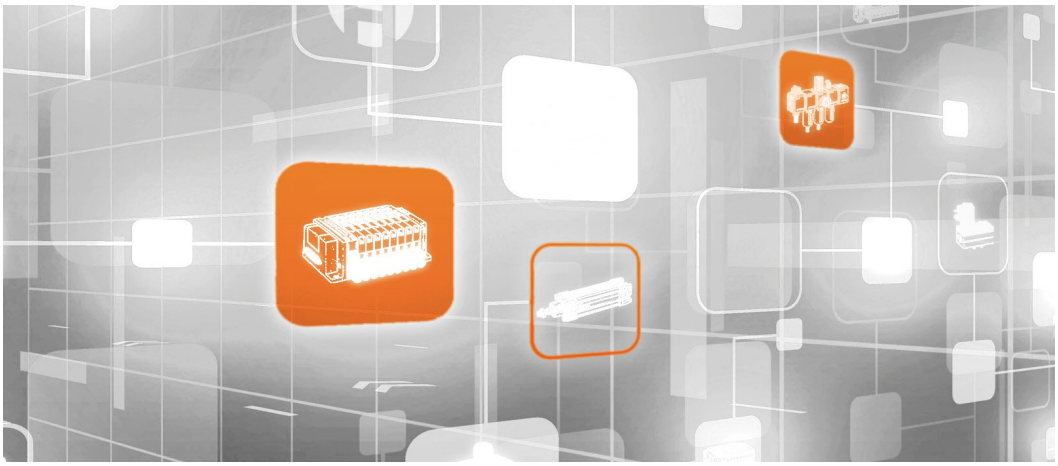
Diagrams

Actuating force+



F = actuating force
PB= Working pressure

Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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