

series NCT



AVENTICS™ series NCT



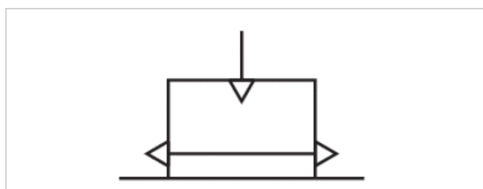
Non-contact transport system, Series NCT-AL

- F = 2.5-46 N

- Ø 20-100 mm



Version	Bernoulli principle
Working pressure min./max.	1 ... 6 bar
Ambient temperature min./max.	5 ... 60 °C
Medium	Compressed air
Max. particle size	40 µm
Oil content of compressed air	0 mg/m ³
Weight	See table below



Technical data

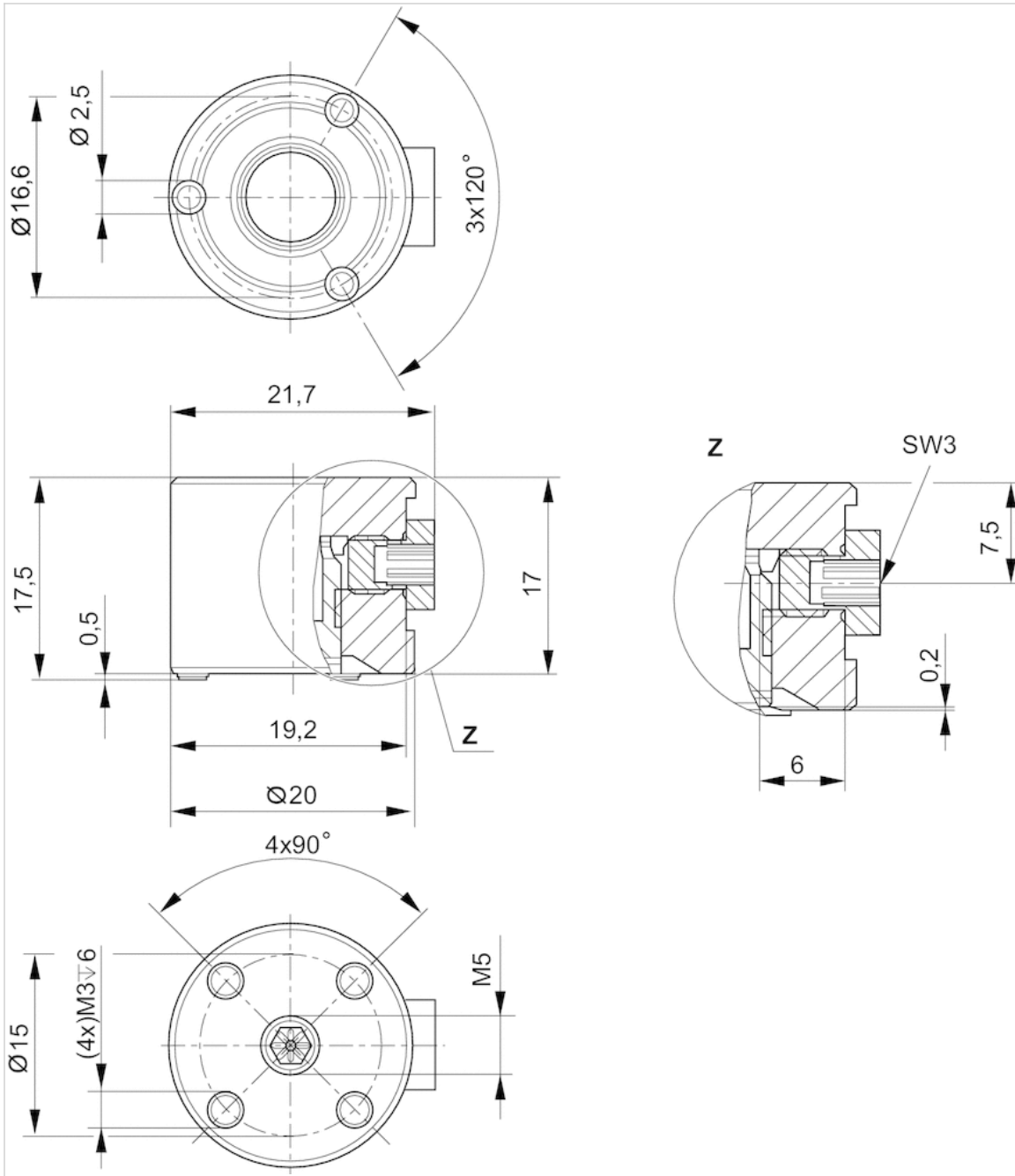
Part No.	Diameter	Lifting force at 5 bar	Air consumption at 5 bar	port pneumatic	Weight
R412010372	20 mm	2.5 N	96 l/min	M5	0.013 kg
R412010373	30 mm	4 N	100 l/min	M5	0.031 kg
R412010374	40 mm	6.5 N	100 l/min	G 1/8	0.052 kg
R412010375	60 mm	13 N	150 l/min	G 1/8	0.12 kg
R412010640	100 mm	46 N	228 l/min	G 1/8	0.3 kg

Technical information

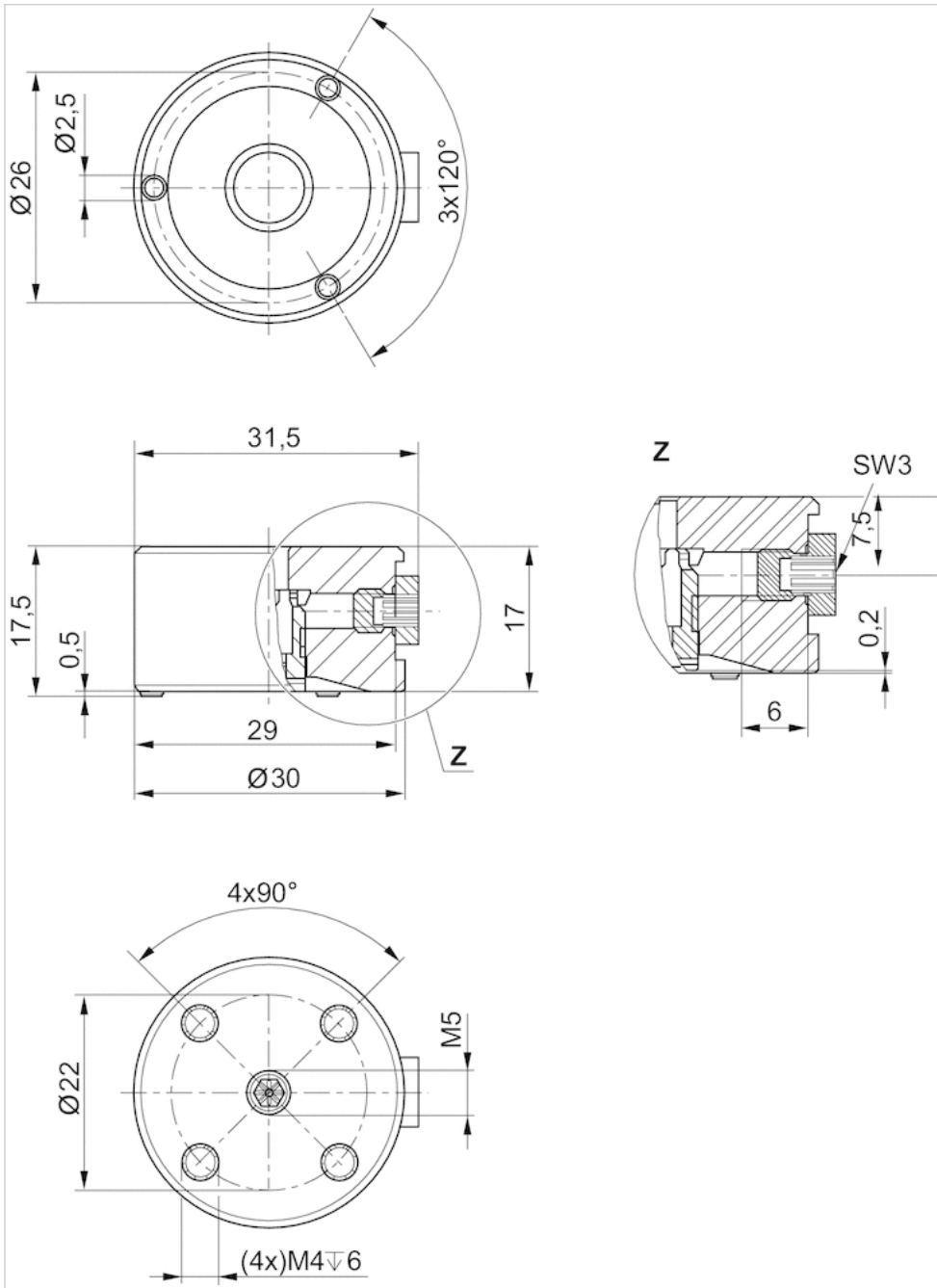
Material	
Housing	Aluminum, anodized
Stop	High-temperature material HT1
Nozzle	Stainless steel
Blanking screw	Brass
Seal	Nitrile butadiene rubber

Dimensions

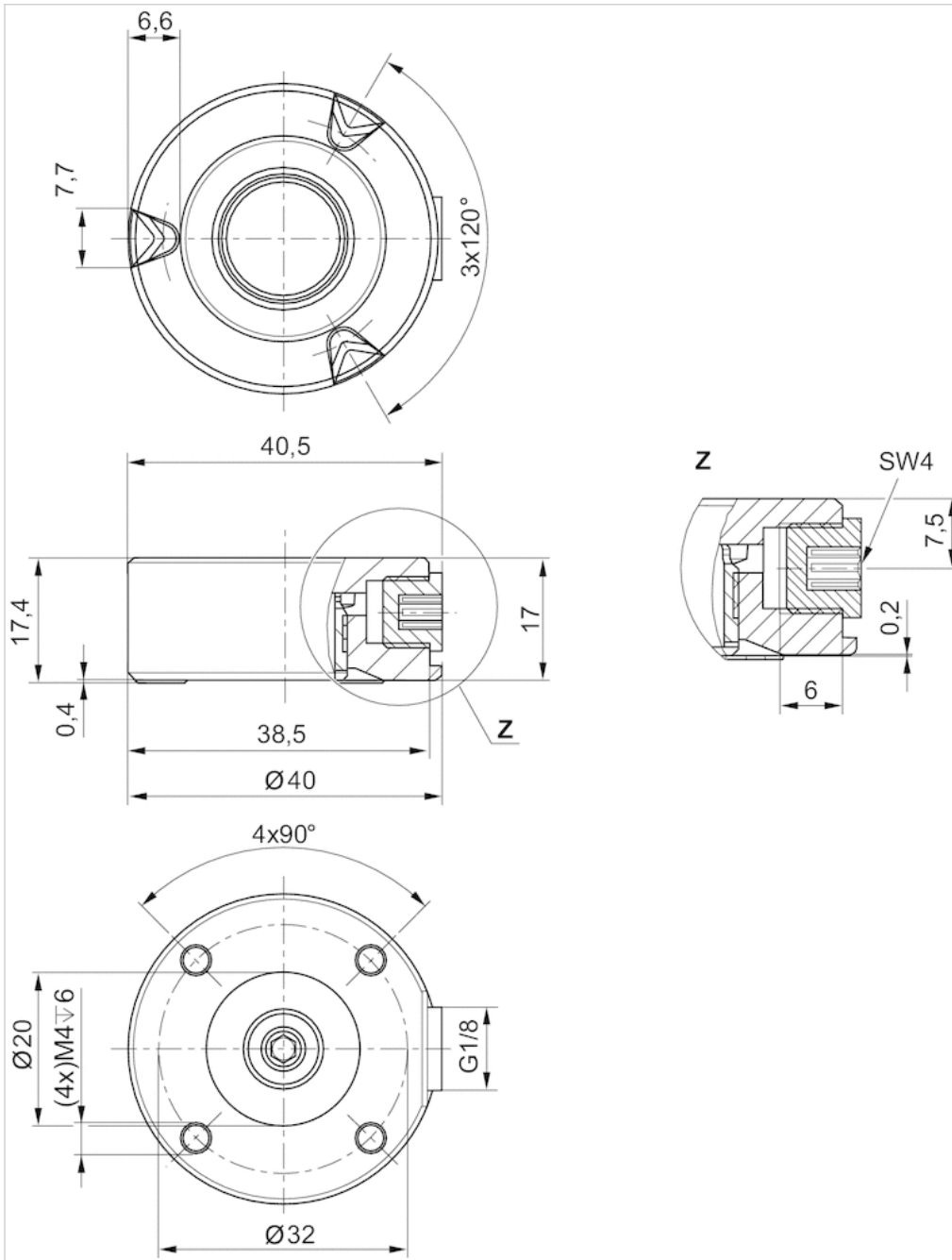
Dimensions, Ø 20



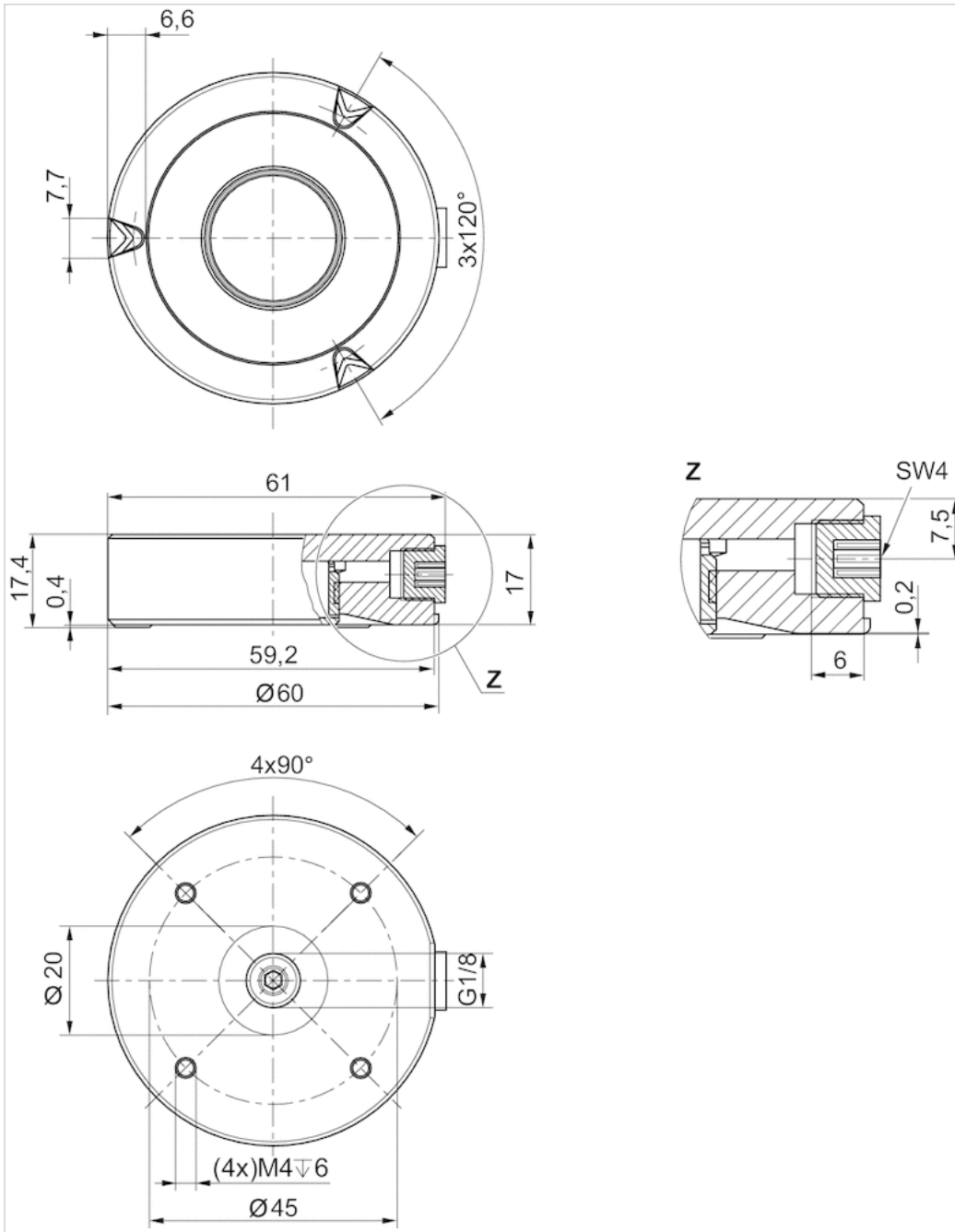
Dimensions, Ø 30



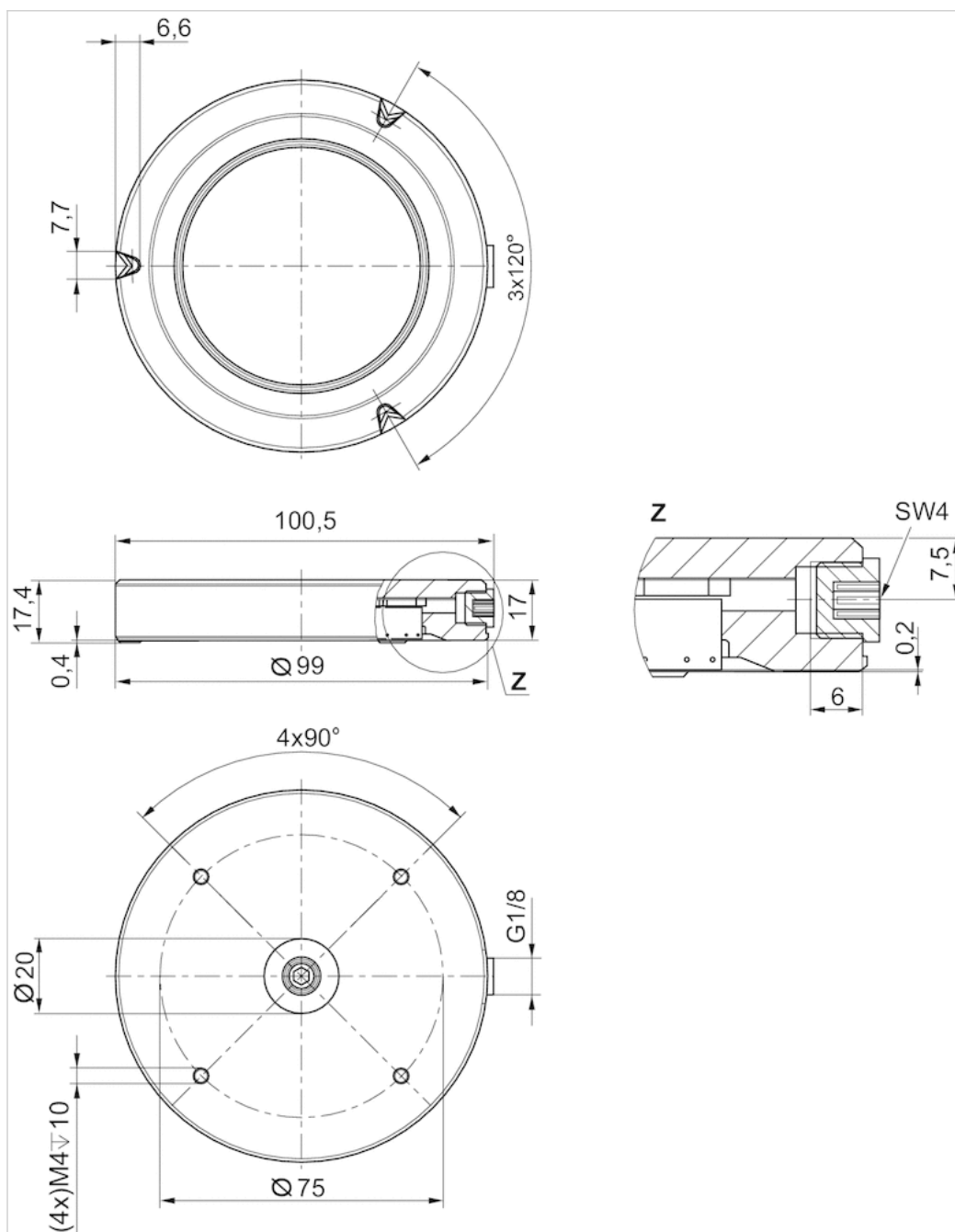
Dimensions, Ø 40



Dimensions, Ø 60

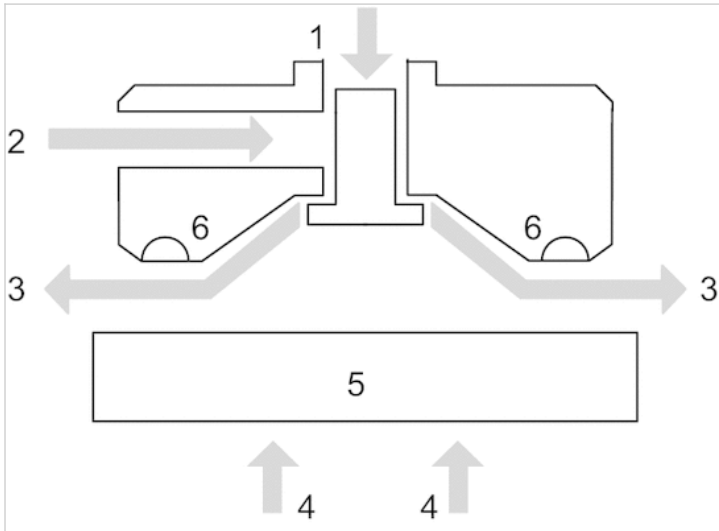


Dimensions, Ø 100

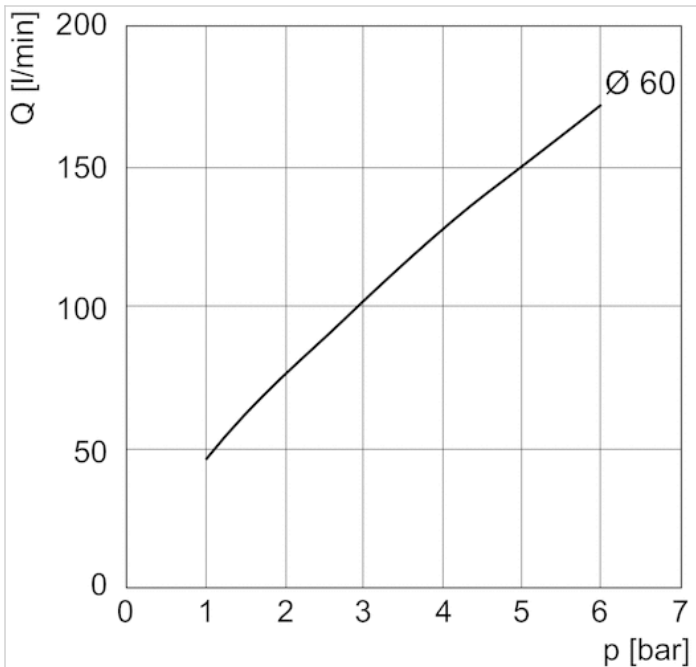


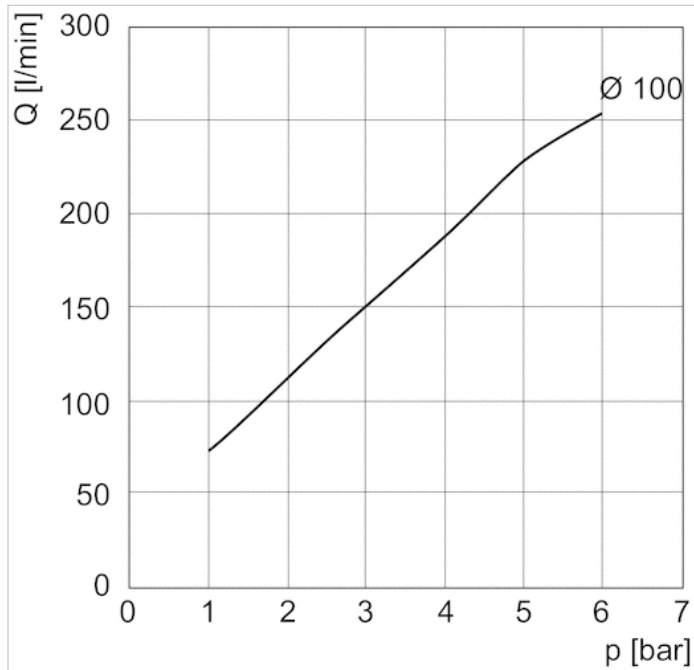
Diagrams

Principle of operation

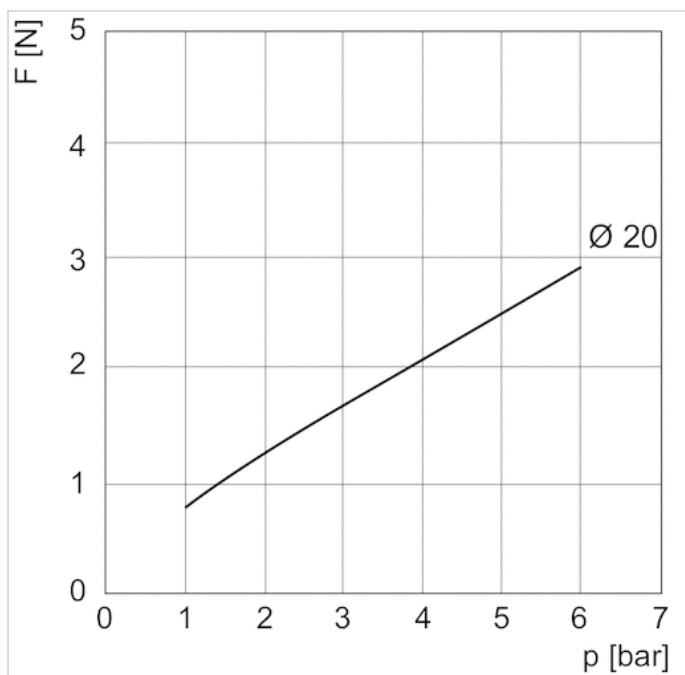


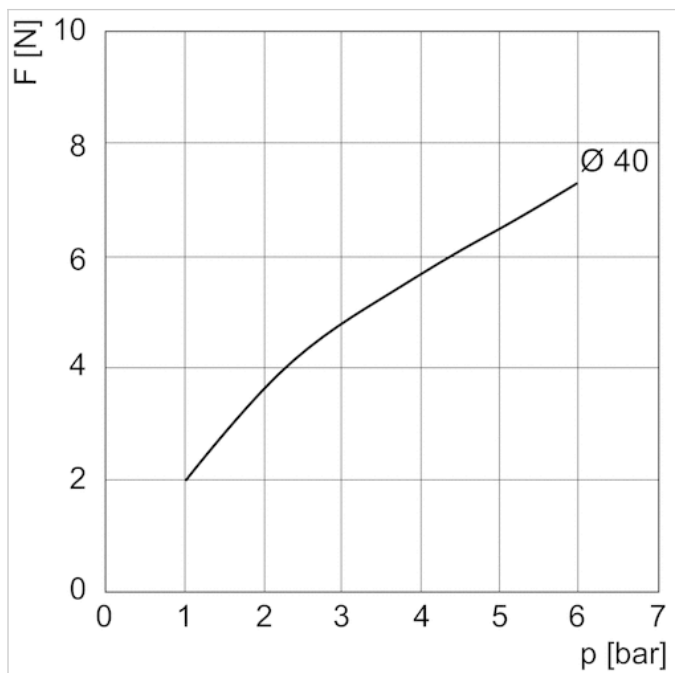
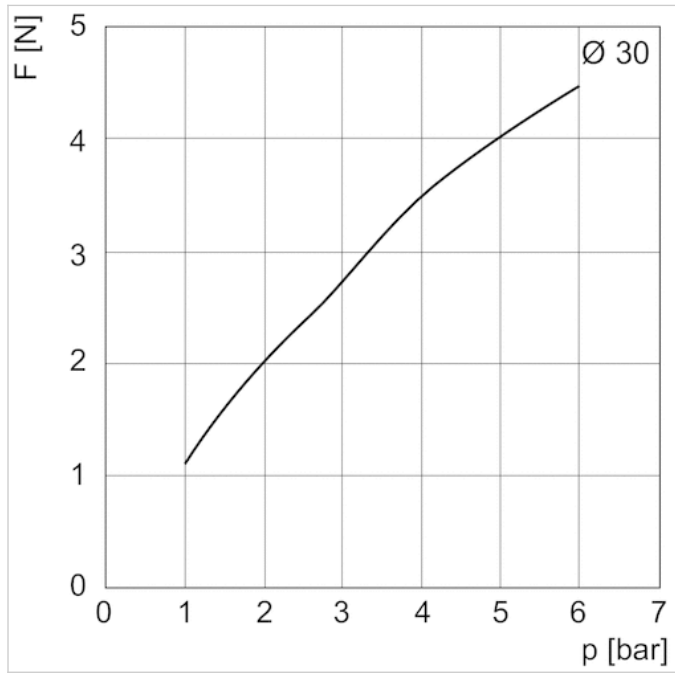
- 1) Compressed air connection
- 2) Alternative compressed air connection
- 3) Air flow
- 4) Lifting force
- 5) Object
- 6) Stop

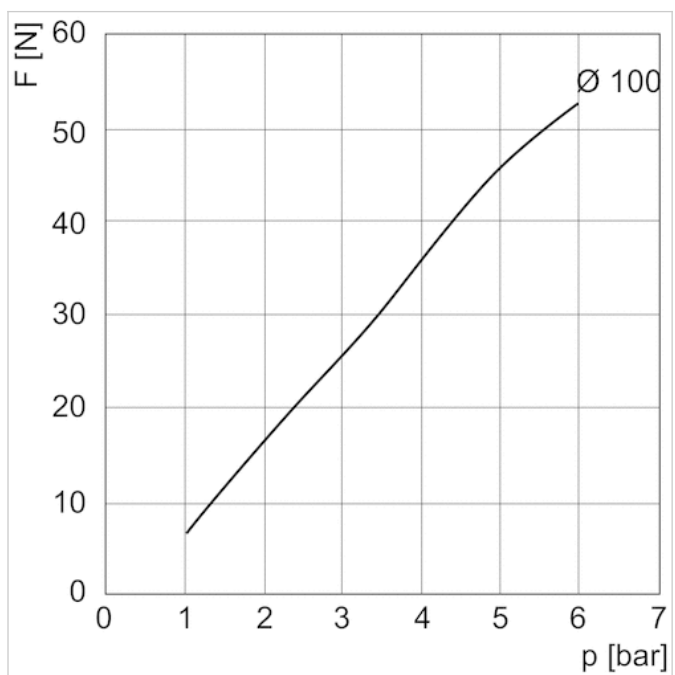
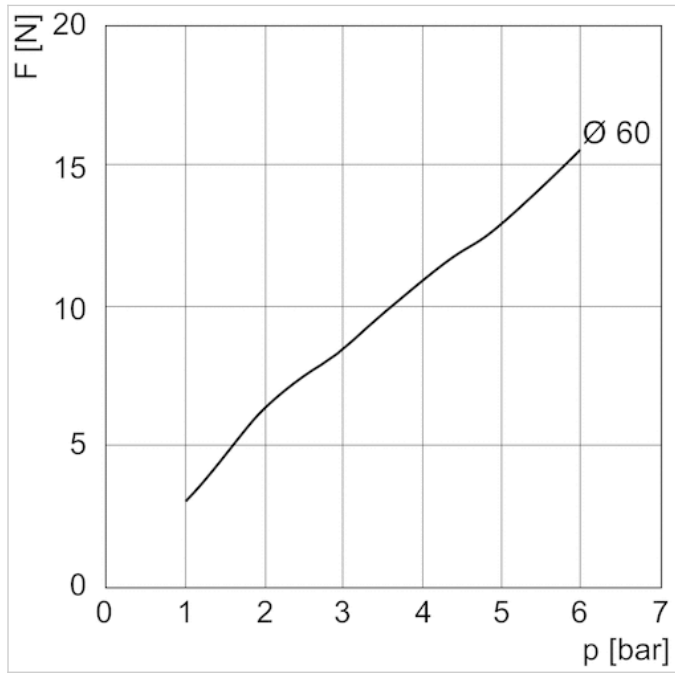




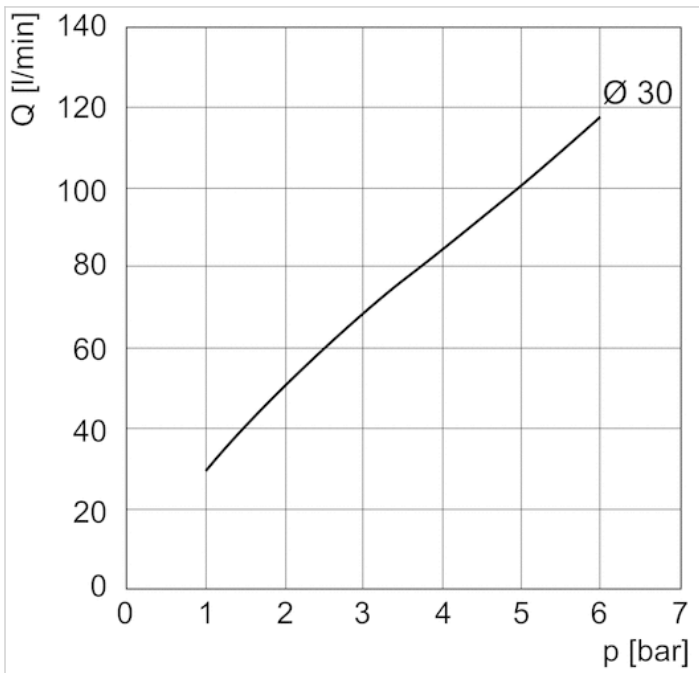
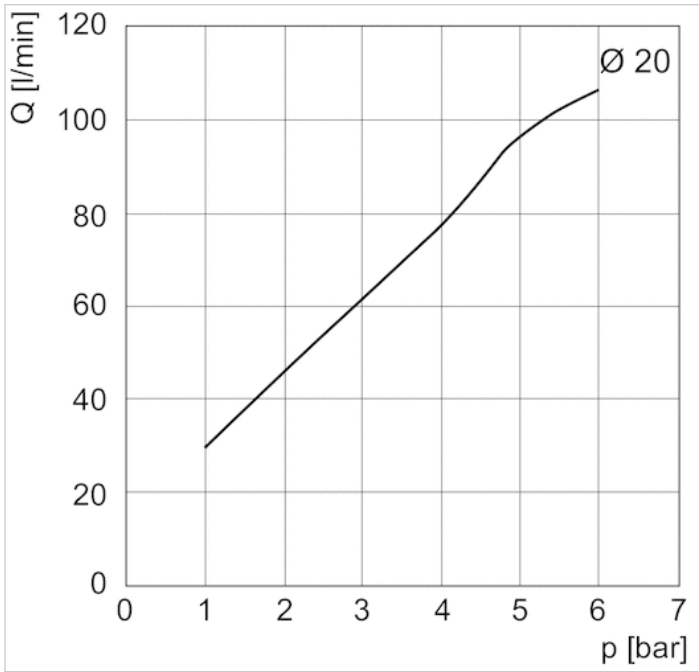
Lifting force F dependent on working pressure p

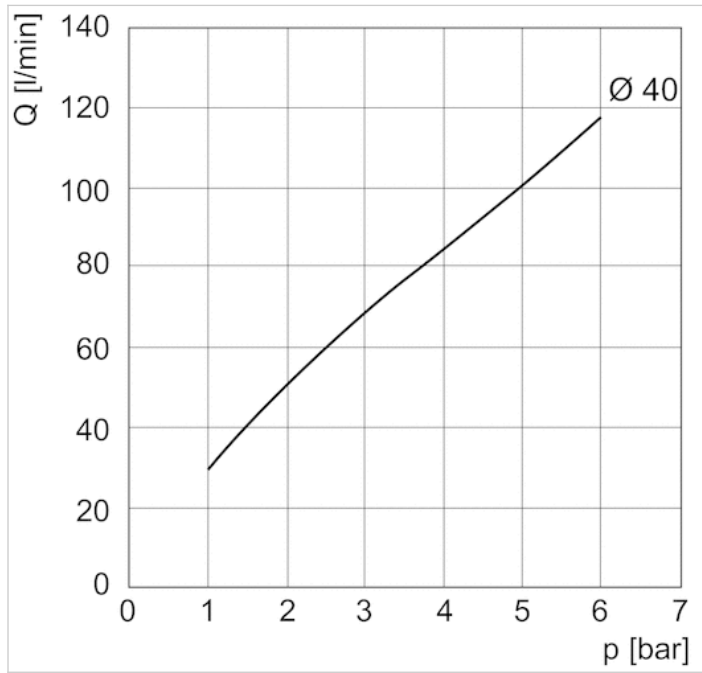






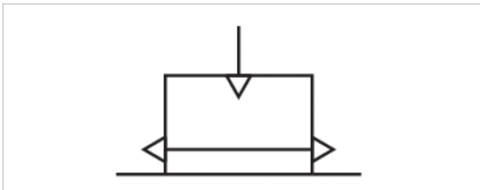
Air consumption Q depending on working pressure p





Non-contact transport system, Series NCT-PK

- F = 2.5-12 N
- Ø 20-60 mm
- suitable for use in food processing



Version	Bernoulli principle
Working pressure min./max.	1 ... 7 bar
Ambient temperature min./max.	5 ... 60 °C
Medium	Compressed air
Max. particle size	40 µm
Oil content of compressed air	0 mg/m ³
Weight	See table below

Technical data

Part No.	Diameter	Lifting force at 5 bar	Air consumption at 5 bar	port pneumatic	Weight
R412014866	20 mm	2.5 N	150 l/min	M5	0.01 kg
R412014867	30 mm	3 N	150 l/min	M5	0.02 kg
R412014868	40 mm	5.5 N	150 l/min	M5	0.03 kg
R412014869	60 mm	12 N	220 l/min	M5	0.07 kg

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

Notice: This product may only be operated with oil-free, dry compressed air.

Note: The product is FDA-compliant.

Highly resistant against diverse chemicals used in the food industry.

Suitable for all conventional CIP (Cleaning-In-Place) and SIP (Sterilization-In-Place) processes.

Hygienic product design enables quick and easy cleaning.

Product with laser-etched label.

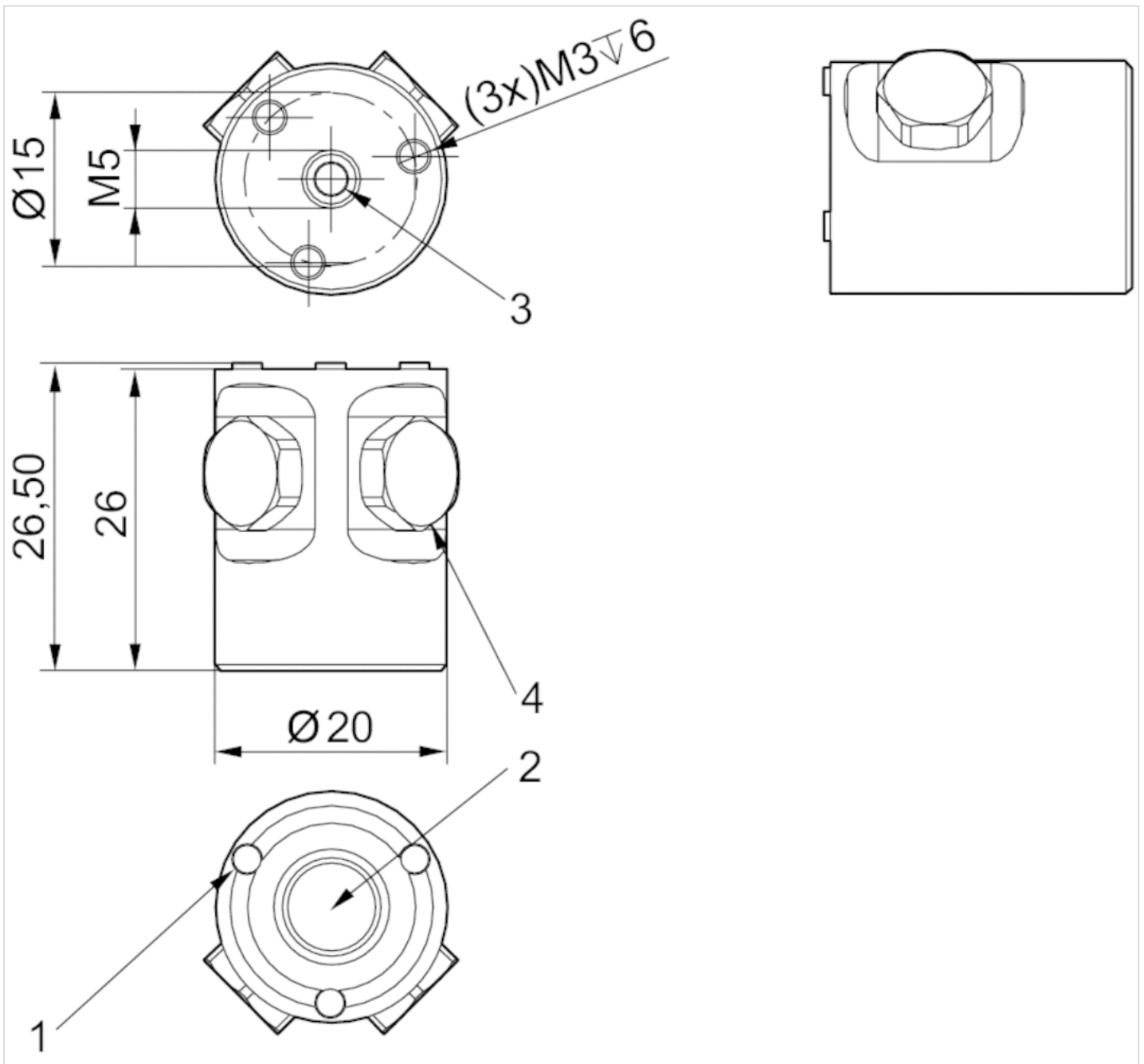
Technical information

Material	
Housing	Polyetheretherketone
Stop	Silicone caoutchouc

Material	
Nozzle	Stainless steel
Blanking screw	Polyetheretherketone
Seal	Fluorocaoutchouc

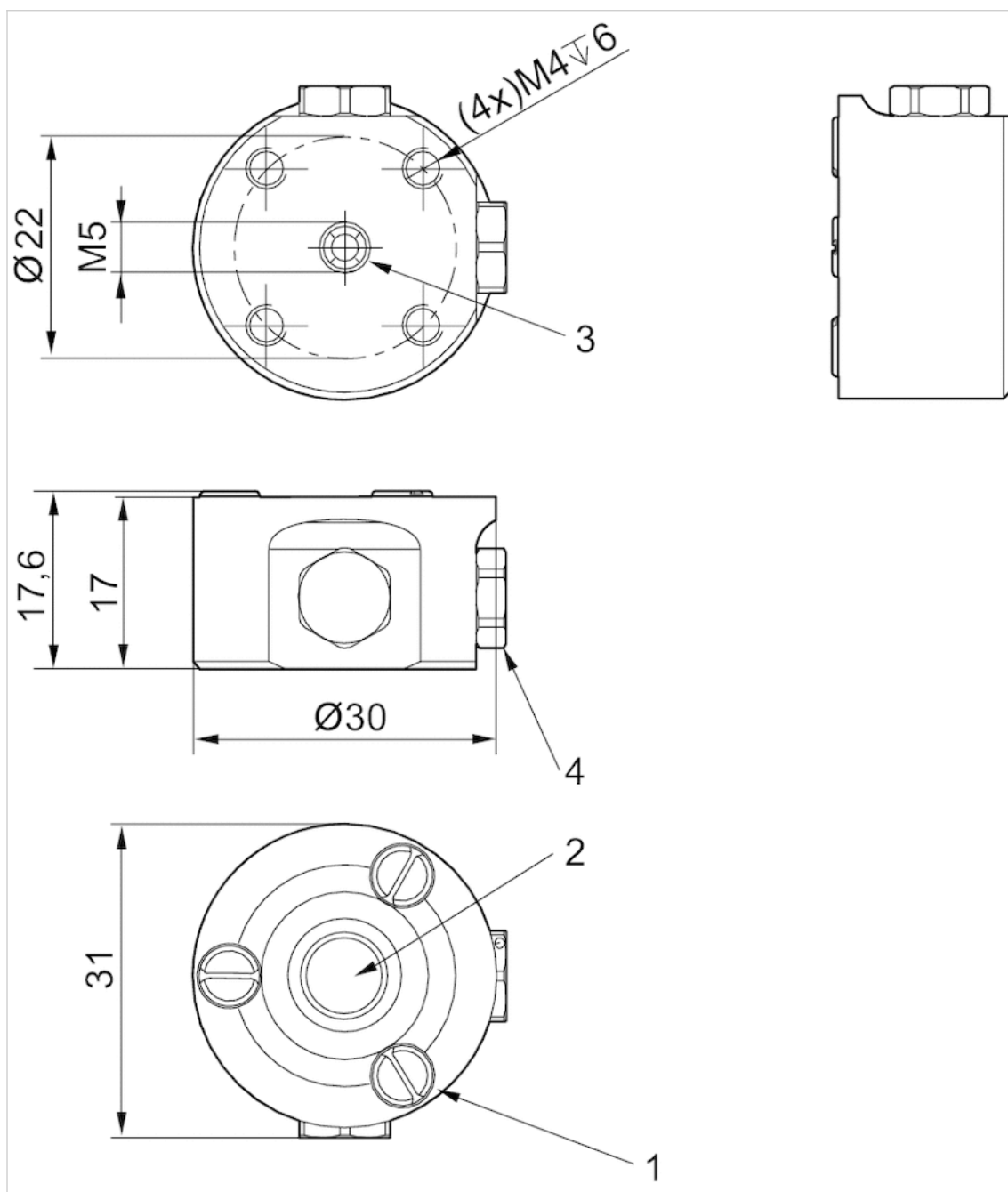
Dimensions

Dimensions, Ø 20



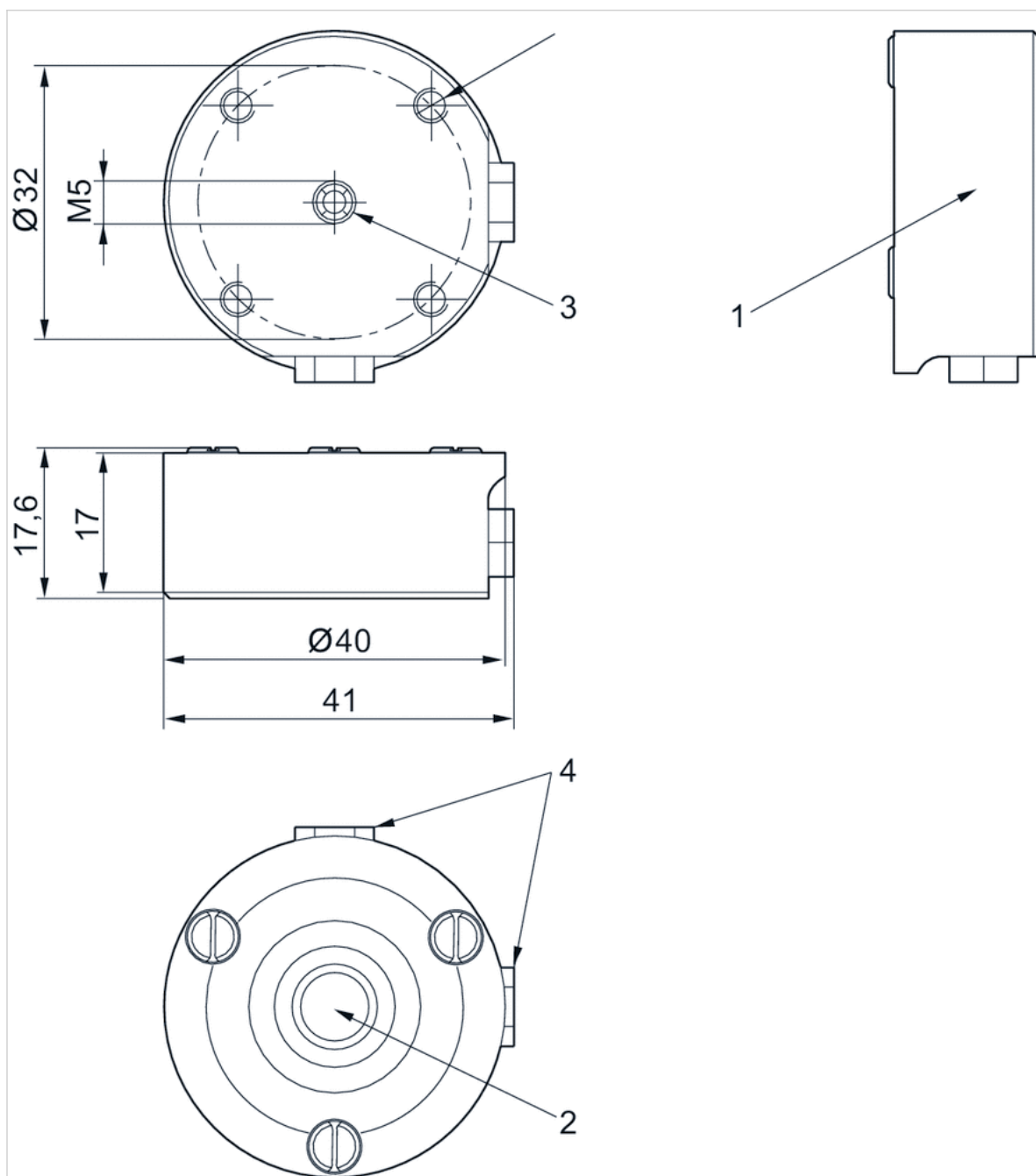
- 1) Stop
- 2) Nozzle
- 3) Compressed air connection
- 4) Alternative compressed air connection with blanking screw

Dimensions, Ø 30



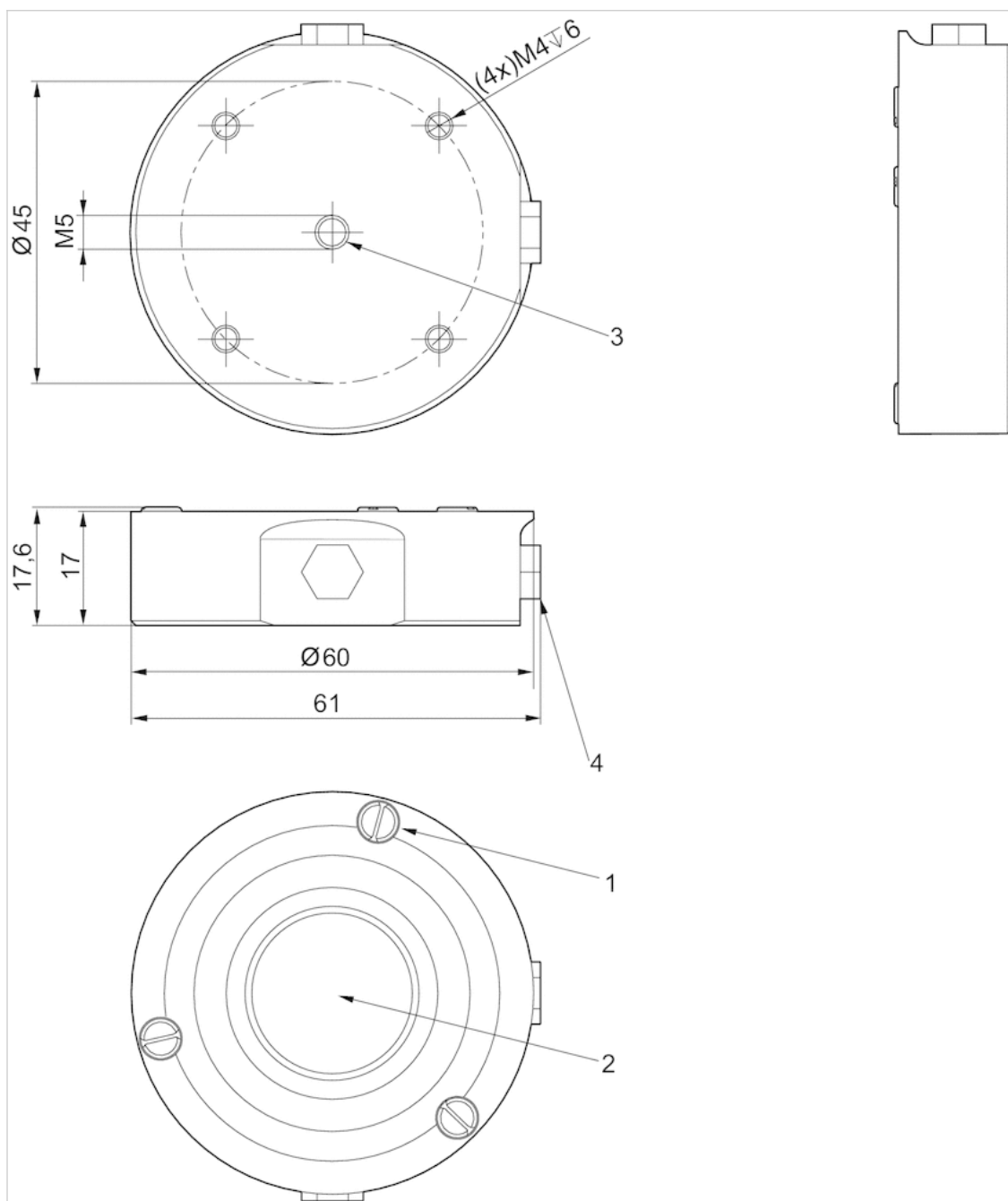
- 1) Stop
- 2) Nozzle
- 3) Compressed air connection
- 4) Alternative compressed air connection with blanking screw

Dimensions, Ø 40



- 1) Stop
- 2) Nozzle
- 3) Compressed air connection
- 4) Alternative compressed air connection with blanking screw

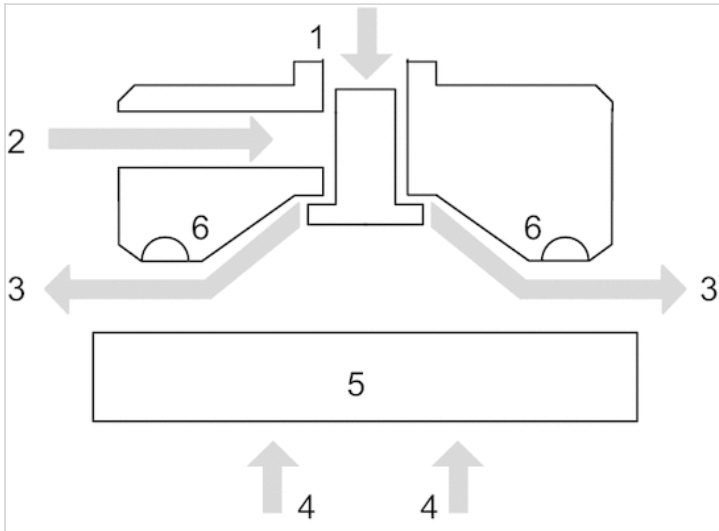
Dimensions, Ø 60



- 1) Stop
- 2) Nozzle
- 3) Compressed air connection
- 4) Alternative compressed air connection with blanking screw

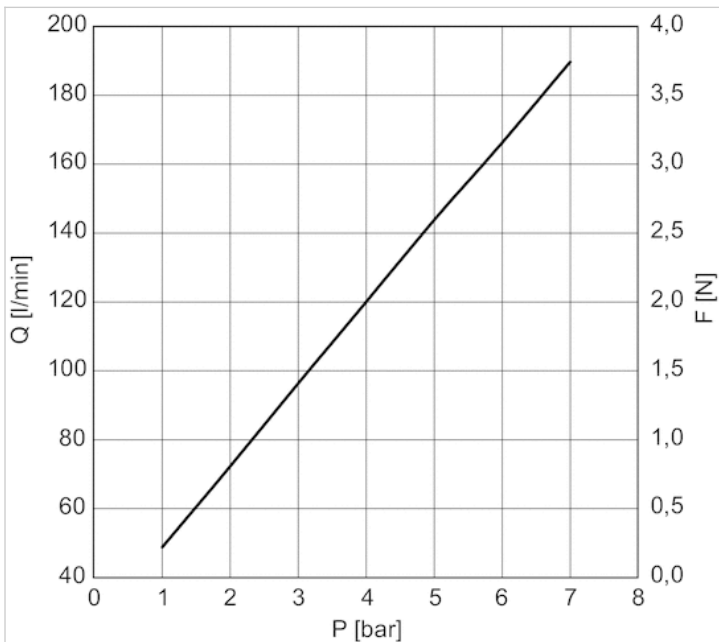
Diagrams

Principle of operation

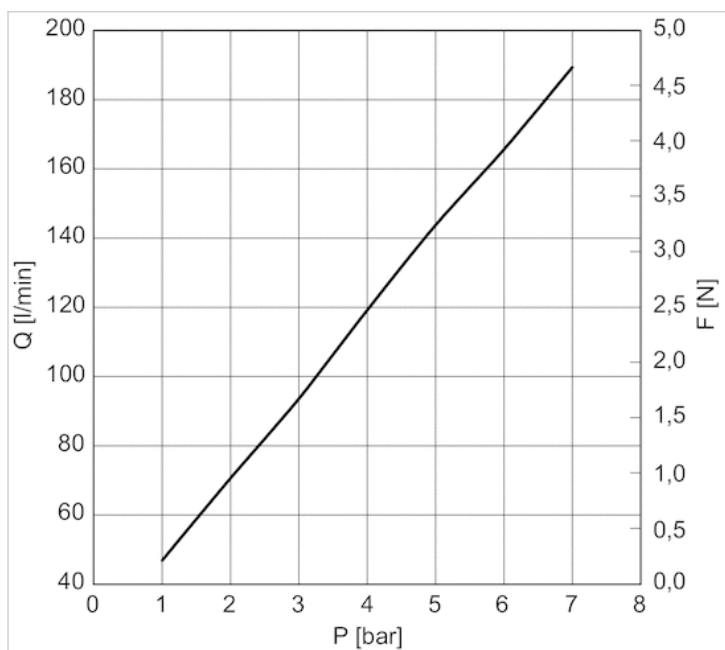


- 1) Compressed air connection
- 2) Alternative compressed air connection
- 3) Air flow
- 4) Lifting force
- 5) Object
- 6) Stop

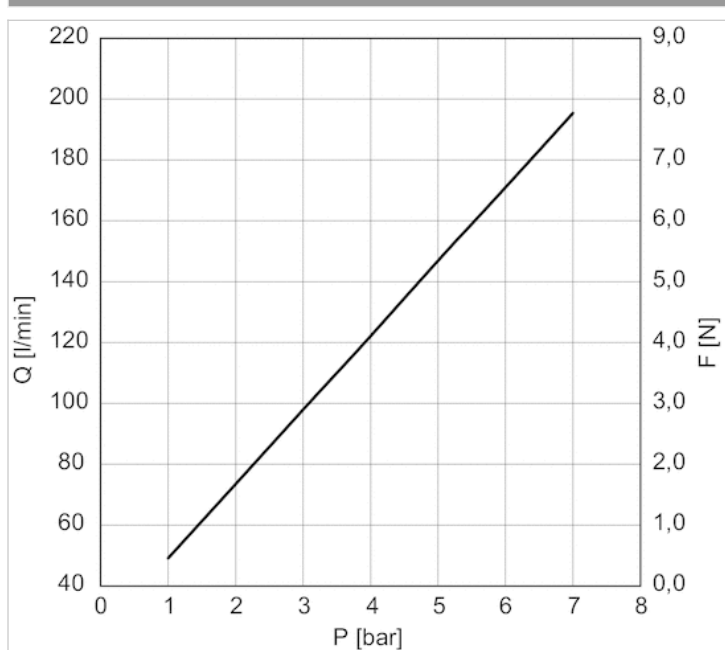
Lifting force F and air consumption Q depending on working pressure p , $\varnothing 20$



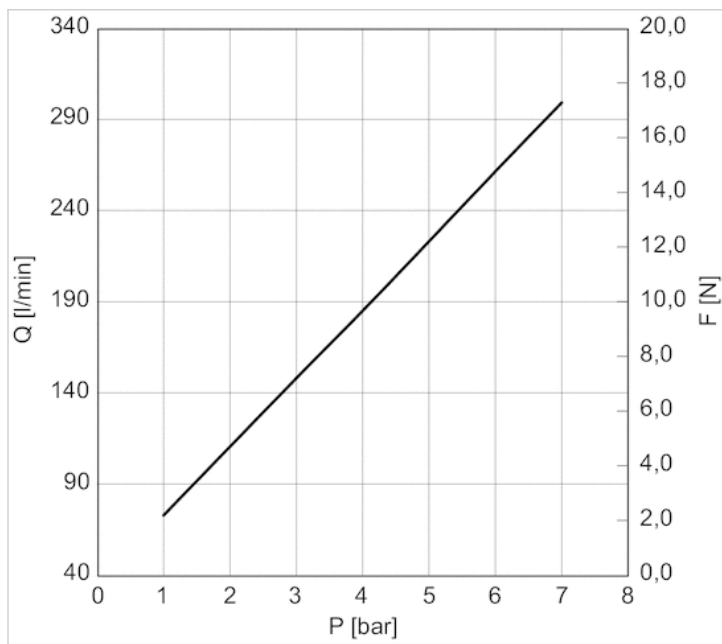
Lifting force F and air consumption Q depending on working pressure p, Ø 30



Lifting force F and air consumption Q depending on working pressure p, Ø 40



Lifting force F and air consumption Q depending on working pressure p , $\varnothing 60$



Stops for the NCT-AL series



Technical data

Part No.	Type	Scope of delivery	Fig.
R412010376	NCT-AL Ø20/30	10 piece	Fig. 1
R412010377	NCT-AL Ø40/60/100	10 piece	Fig. 2

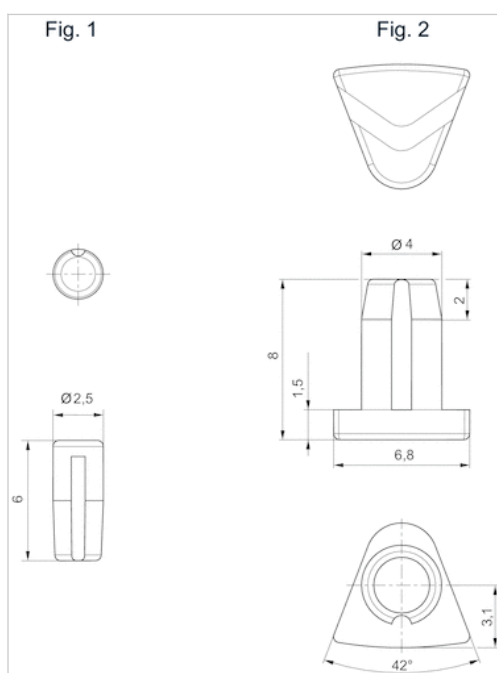
Technical information

Material

Housing

High-temperature material HT1

Dimensions



Stops for the NCT-PK series



Technical data

Part No.	Type
R412014872	NCT-PK Ø20
R412014873	NCT-PK Ø30 NCT-PK Ø40 NCT-PK Ø60
R412014876	NCT-PK Ø20
R412014877	NCT-PK Ø30 NCT-PK Ø40 NCT-PK Ø60

Part No.	Material	Scope of delivery	Fig.	
R412014872	Silicone caoutchouc	10 piece	Fig. 1	1)
R412014873	Silicone caoutchouc	10 piece	Fig. 2	1)
R412014876	Hydrogenated acrylonitrile butadiene rubber	10 piece	Fig. 1	-
R412014877	Hydrogenated acrylonitrile butadiene rubber	10 piece	Fig. 2	-

1) Suitable for direct contact with food products (FDA/EC compliant).

Technical information

Material	
Housing	Silicone caoutchouc Hydrogenated acrylonitrile butadiene rubber

Dimensions

Fig. 1

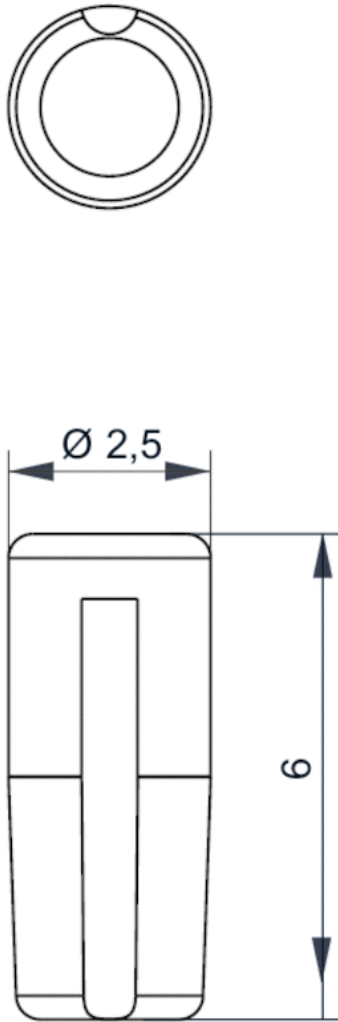
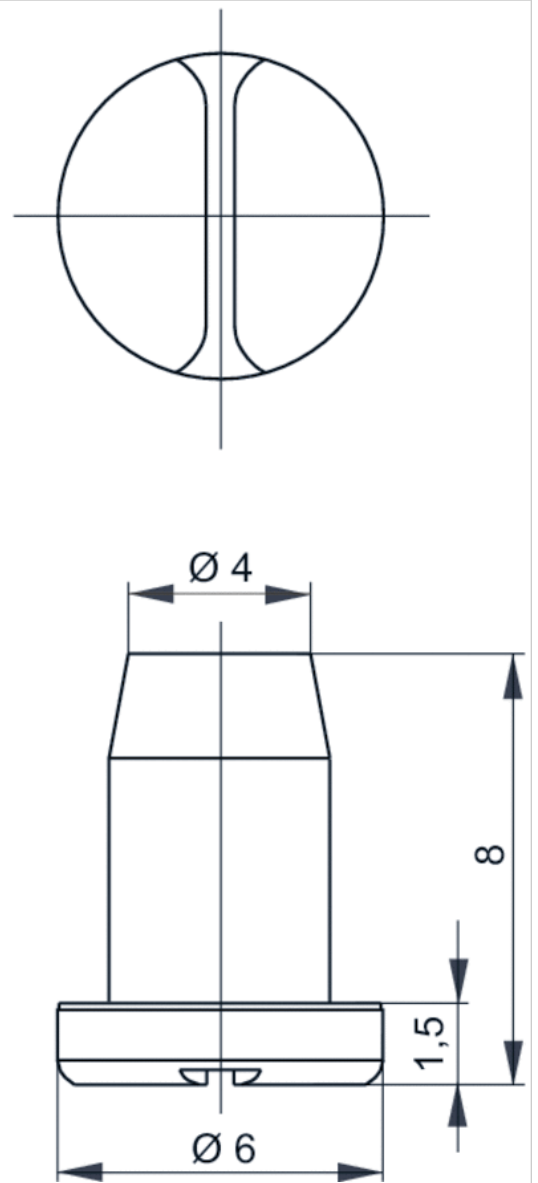


Fig. 2



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



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