

Serie NCT



AVENTICS™

**AVENTICS berührungsloses
Transportsystem der Serie NCT**


EMERSON™

Serie NCT

Ein Greifen der ganz besonderen Art bietet das berührungslose AVENTICS Transportsystem der Serie NCT. Die Schwebesauger der Serie NCT beherrschen den sensiblen Umgang mit empfindlichen Oberflächen und schwierig zu greifenden Werkstoffen – nahezu berührungslos und absolut schonend. Selbst bei starker Perforierung, verschmutzten, nassen und staubigen Oberflächen oder weichen Materialien ist die Handhabung mit der Serie NCT möglich.

- Berührungsarmes Anheben und Bewegen von Objekten und Werkstücken bis zu einem Gewicht von 1 kg

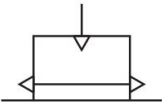
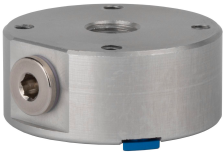


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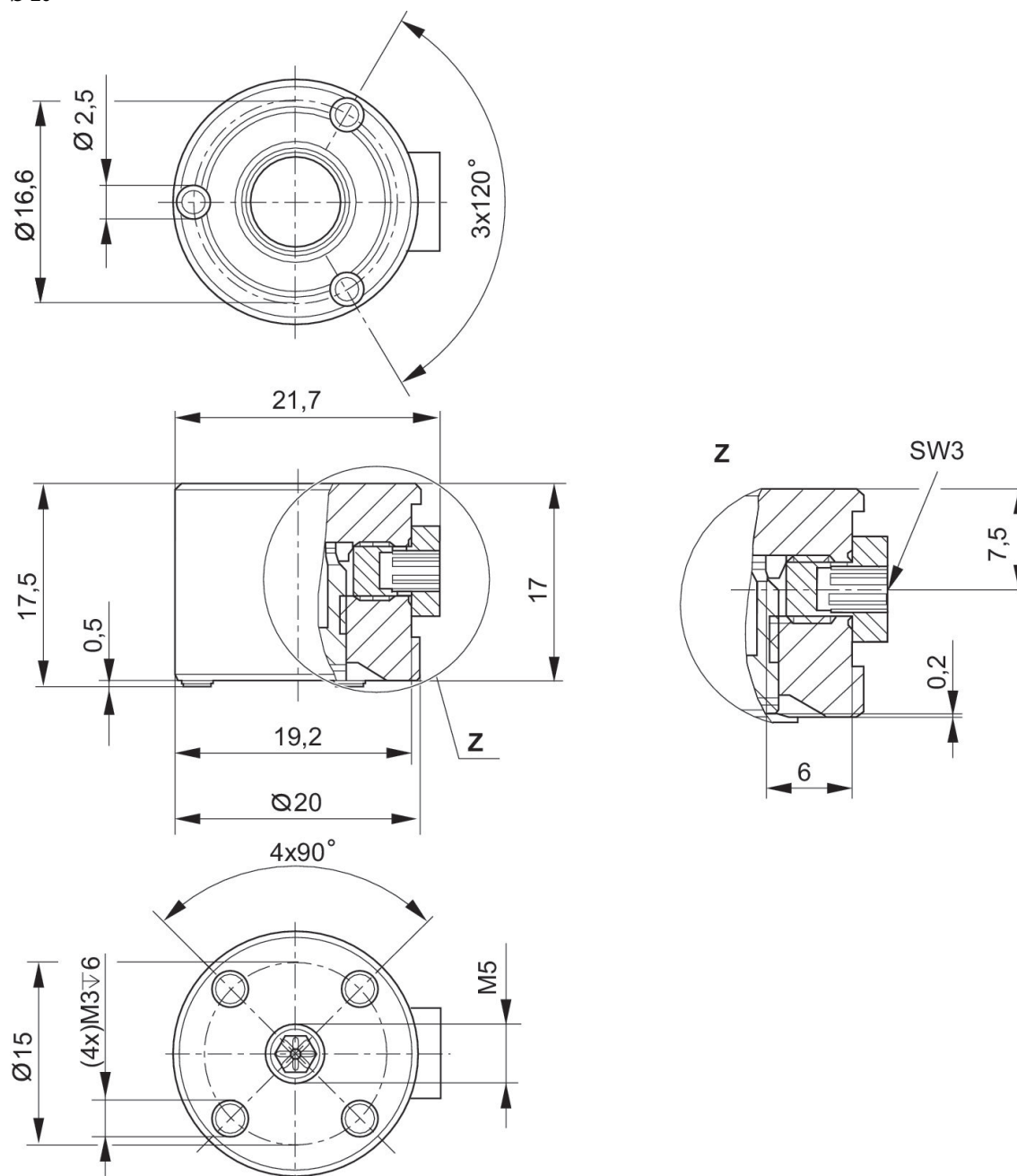
Berührungsloses Transportsystem, Serie NCT-AL

Bauart: Bernoulli-Prinzip
Typ Druckluftanschluss: Innengewinde
Umgebungstemperatur min./max.: 5 °C ... 60 °C
Betriebsdruck min./max.: 1 bar ... 6 bar

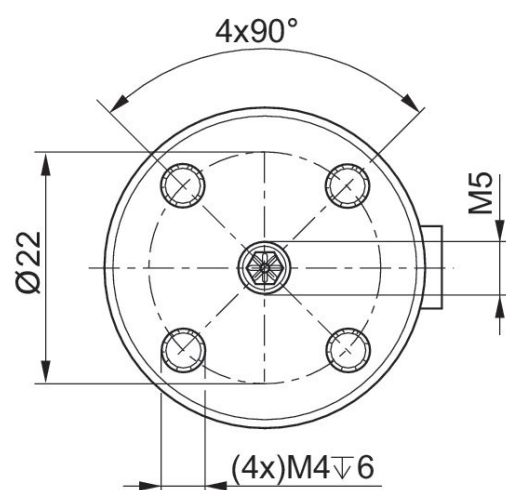
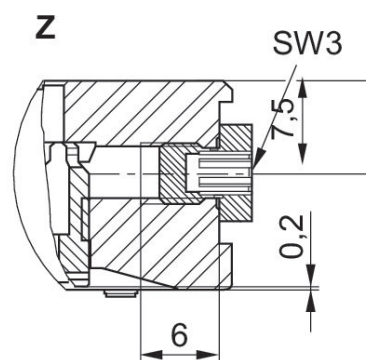
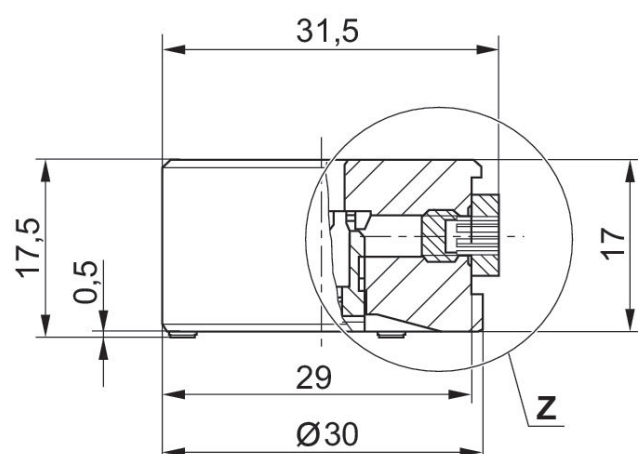
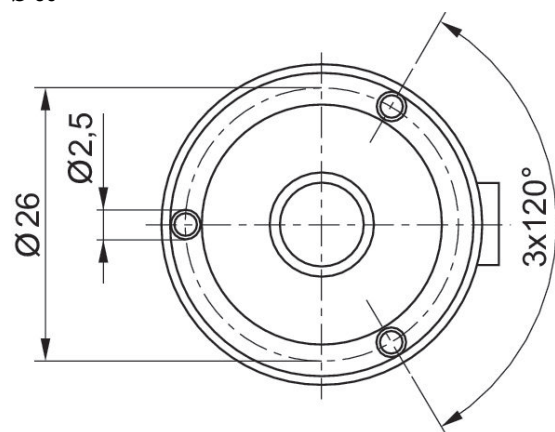


Druckluft-anschluss	Hubkraft bei [[5] bar] [N]	Durch-messer [mm]	Werkstoff	Materialnummer
M5	2.5	20	Aluminium	R412010372
M5	4	30	Aluminium	R412010373
G 1/8	6.5	40	Aluminium	R412010374
G 1/8	13	60	Aluminium	R412010375
G 1/8	46	100	Aluminium	R412010640

Abmessungen
Ø 20



Abmessungen
Ø 30



Technical drawing of a 4x90° ball valve, showing three views: top, side, and bottom.

Top View:

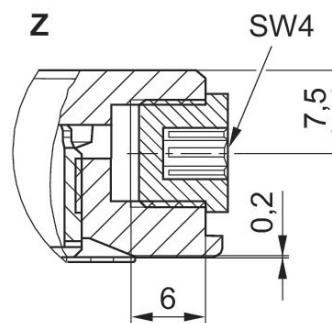
- Overall diameter: $\varnothing 40$
- Inner diameter: $\varnothing 32$
- Outer diameter of the handle: $\varnothing 20$
- Distance between mounting holes: $4 \times 90^\circ$
- Mounting hole diameter: $\varnothing 6$
- Mounting hole depth: $7,7$
- Distance from center to mounting hole: $6,6$
- Angle between mounting holes: $3 \times 120^\circ$

Side View:

- Overall height: $17,4$
- Distance from top to mounting hole: $0,4$
- Distance from mounting hole to center: $38,5$
- Distance from center to bottom: 17
- Overall diameter: $\varnothing 40$
- Internal thread: $G1/8$
- Internal thread specification: $(4 \times) M4 \nabla 6$

Bottom View:

- Overall diameter: $\varnothing 40$
- Inner diameter: $\varnothing 32$
- Outer diameter of the handle: $\varnothing 20$
- Distance between mounting holes: $4 \times 90^\circ$
- Mounting hole diameter: $\varnothing 6$
- Mounting hole depth: $7,7$
- Distance from center to mounting hole: $6,6$
- Angle between mounting holes: $3 \times 120^\circ$

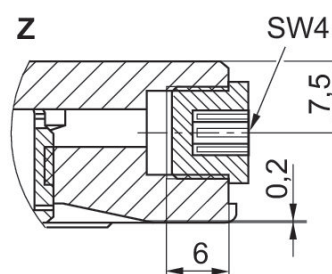


Technical drawing of a mechanical part, showing three views: top, side, and bottom.

Top View: Circular flange with a central hole. Dimensions include 6,6 (inner radius), 7,7 (outer radius), and 3x120° (arc length).

Side View: Cylindrical body with a flange. Dimensions include 61 (total length), 17,4 (flange thickness), 0,4 (flange offset), 59,2 (body length), and Ø60 (body diameter). A detail view 'Z' shows a cross-section of the flange and body.

Bottom View: Circular base with four mounting holes. Dimensions include Ø20 (hole diameter), 4x90° (arc length), G1/8 (thread), (4x)M4 (hole size), and Ø45 (base diameter).

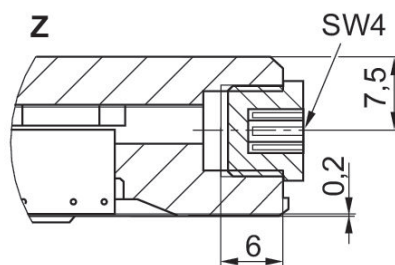


Technical drawing of a 100 mm diameter ball valve, showing three views: front view, side view, and end view.

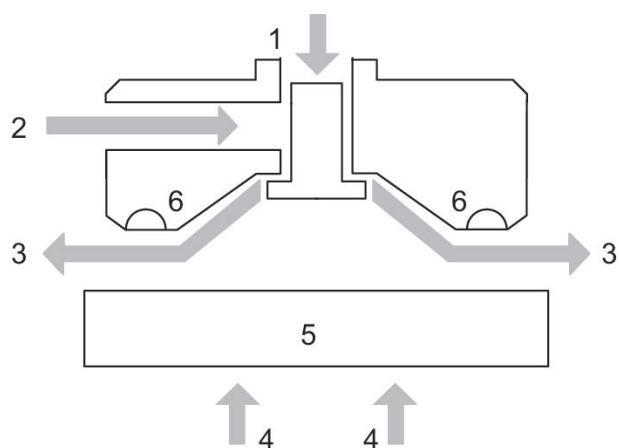
Front View (Top): Shows the circular face of the valve. The outer diameter is 100,5 mm. The inner diameter of the handle opening is 6,6 mm. The thickness of the handle is 7,7 mm. The handle is positioned at 3x120° intervals.

Side View (Middle): Shows the valve body with a length of 100,5 mm. The handle has a diameter of Ø99 mm. The handle is positioned at 17,4 mm from the top and 0,4 mm from the bottom. The handle is shown in a closed position (Z). The handle has a length of 17 mm.

End View (Bottom): Shows the circular face of the valve body. The outer diameter is Ø75 mm. The inner diameter of the handle opening is Ø20 mm. The handle is positioned at 4x90° intervals. The handle has a diameter of (4x)M4 and a length of 10 mm. The handle is shown in a closed position (Z). The handle has a length of 10 mm.

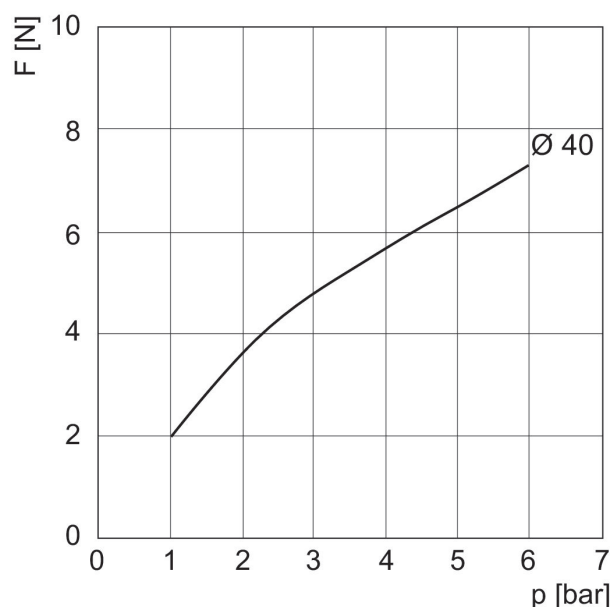
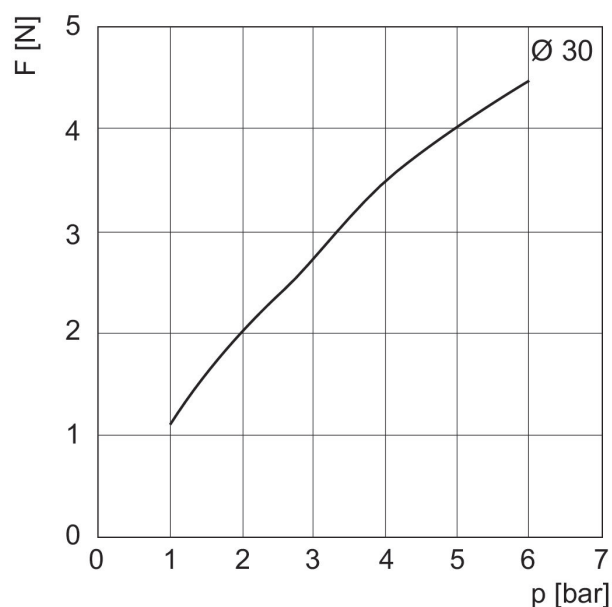
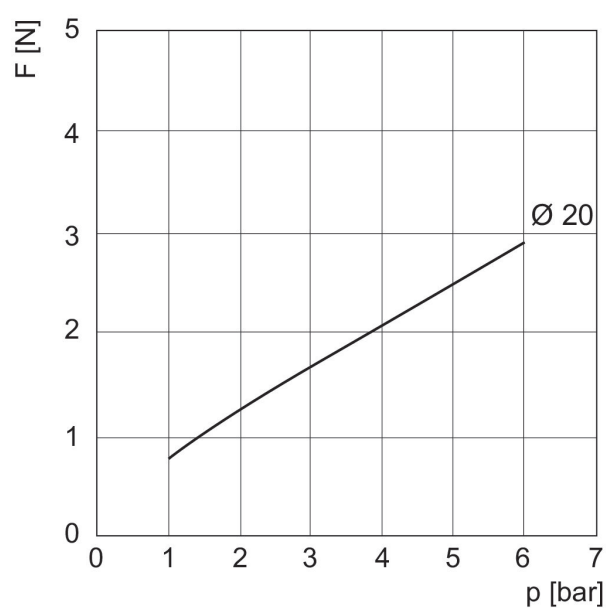


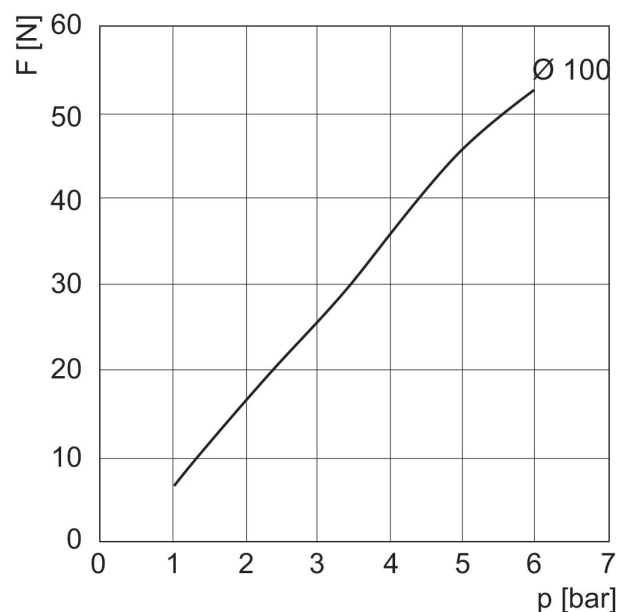
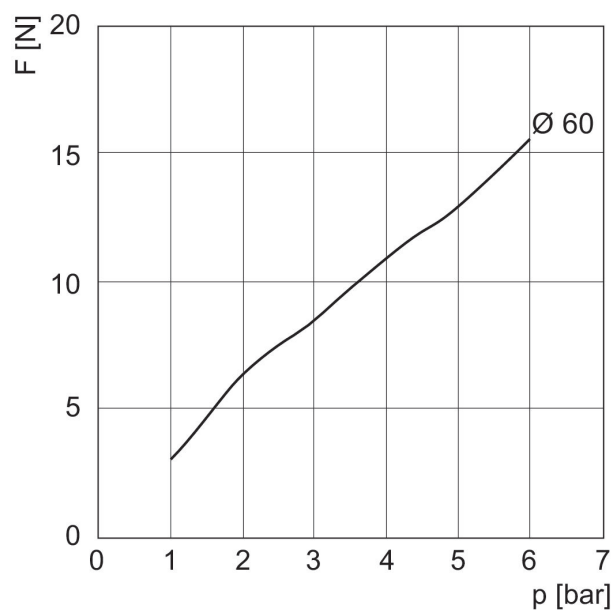
Funktionsprinzip



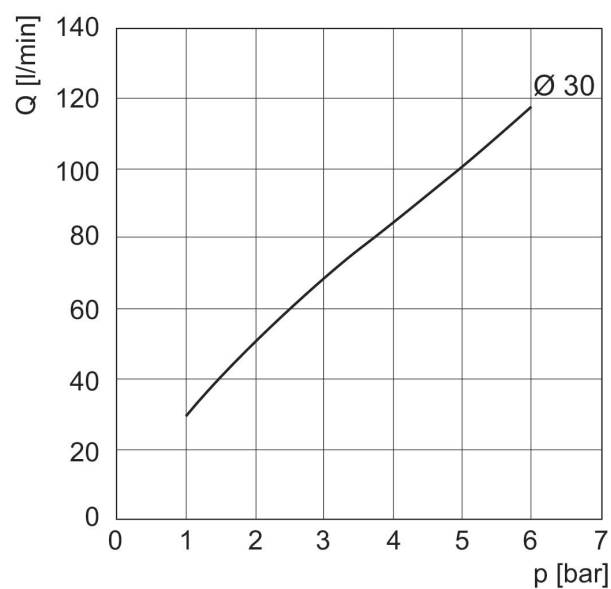
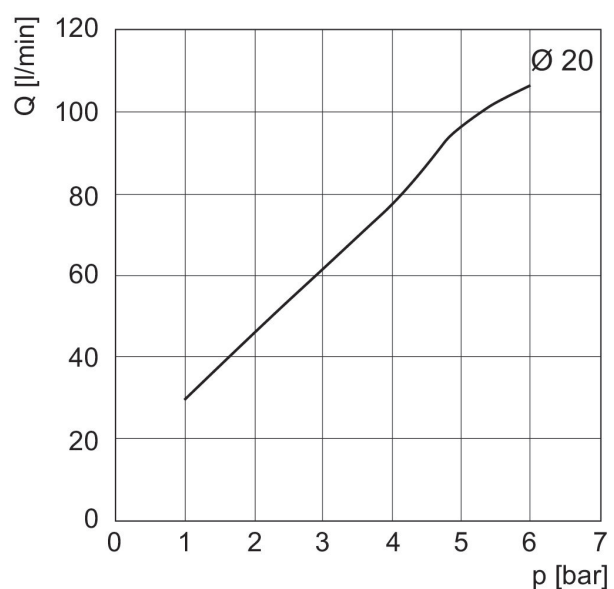
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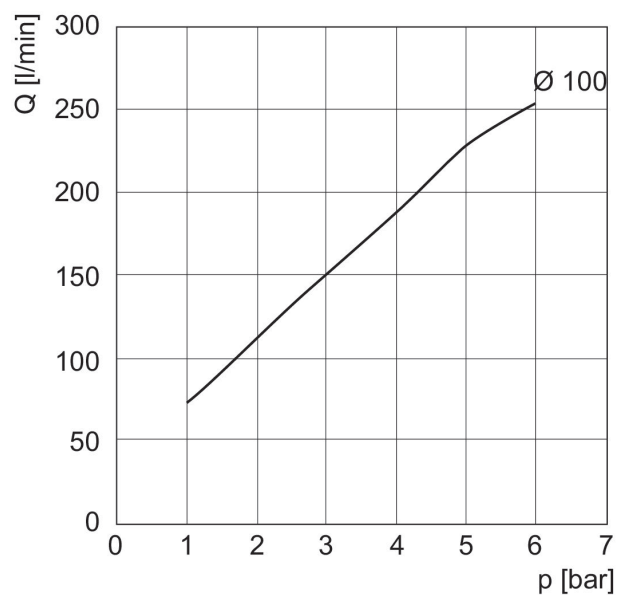
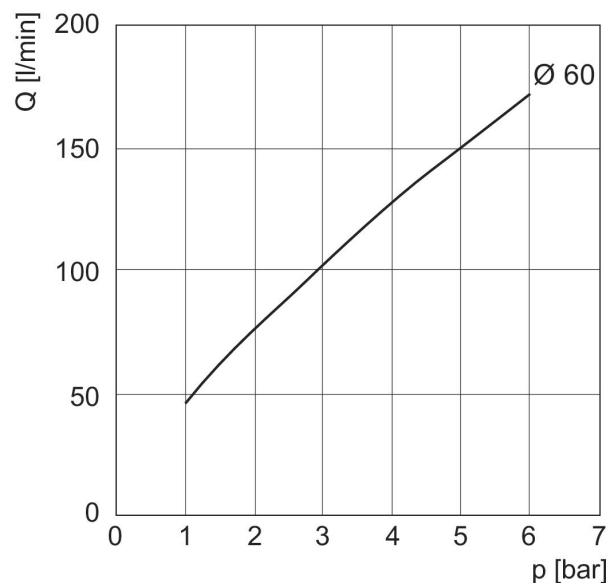
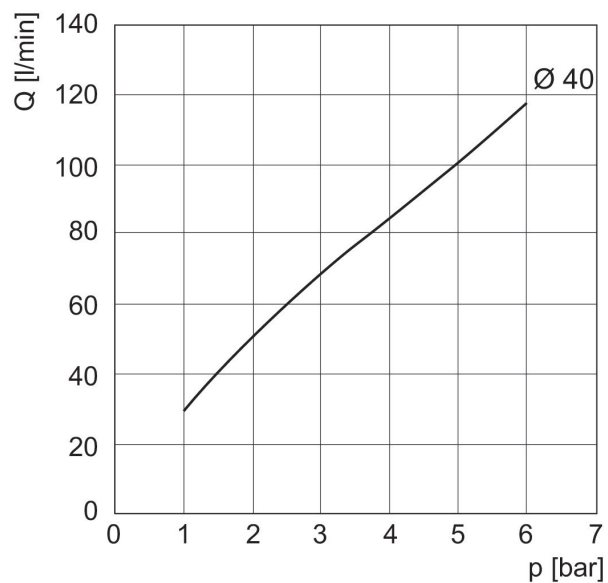
Hubkraft F in Abhängigkeit vom Betriebsdruck p





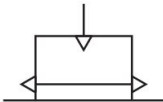
Luftverbrauch Q in Abhängigkeit vom Betriebsdruck p





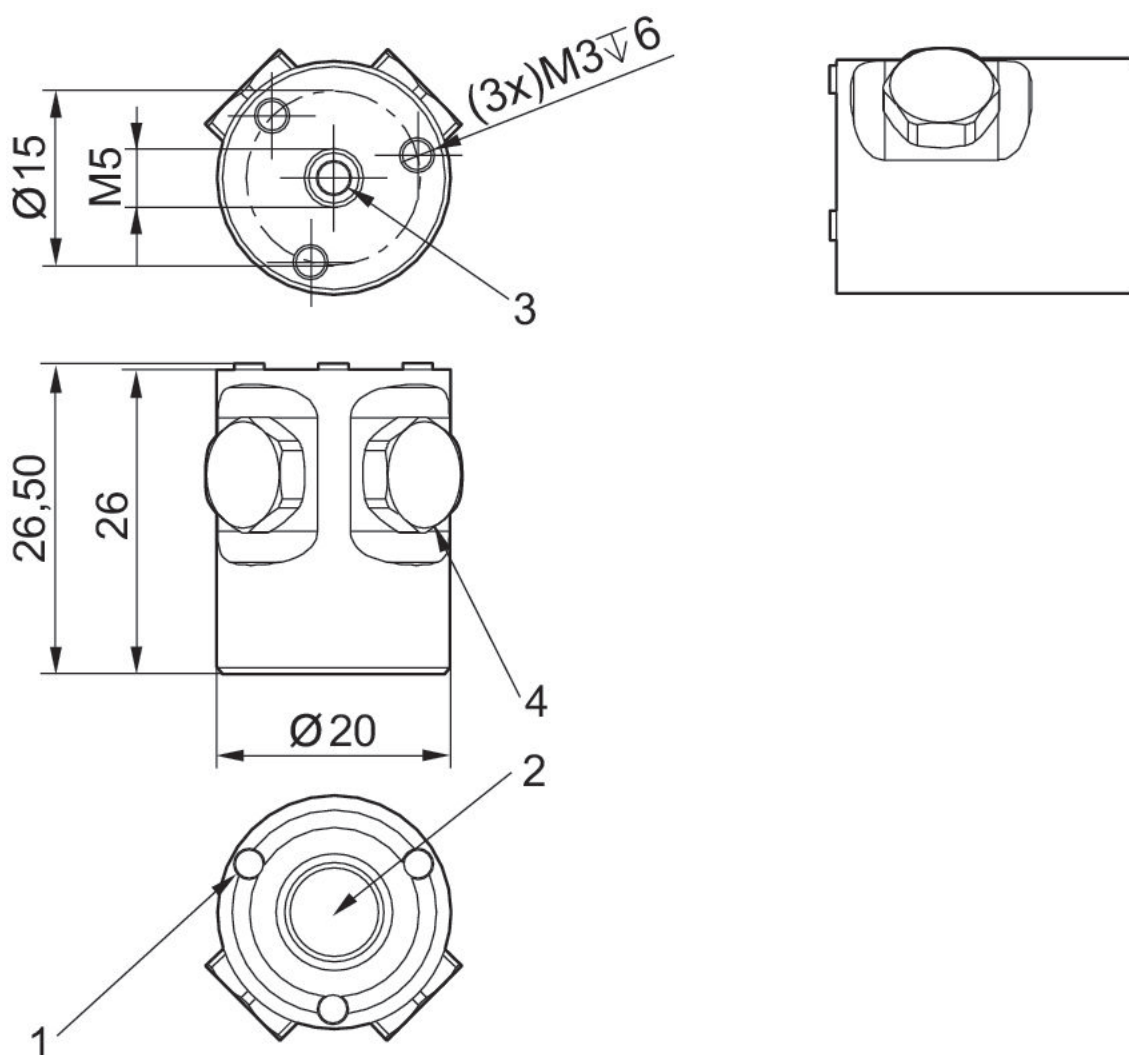
Berührungsloses Transportsystem, Serie NCT-PK

Bauart: Bernoulli-Prinzip
Zertifizierung: FDA-konform
Typ Druckluftanschluss: Innengewinde
Umgebungstemperatur min./max.: 5 °C ... 60 °C
Betriebsdruck min./max.: 1 bar ... 7 bar



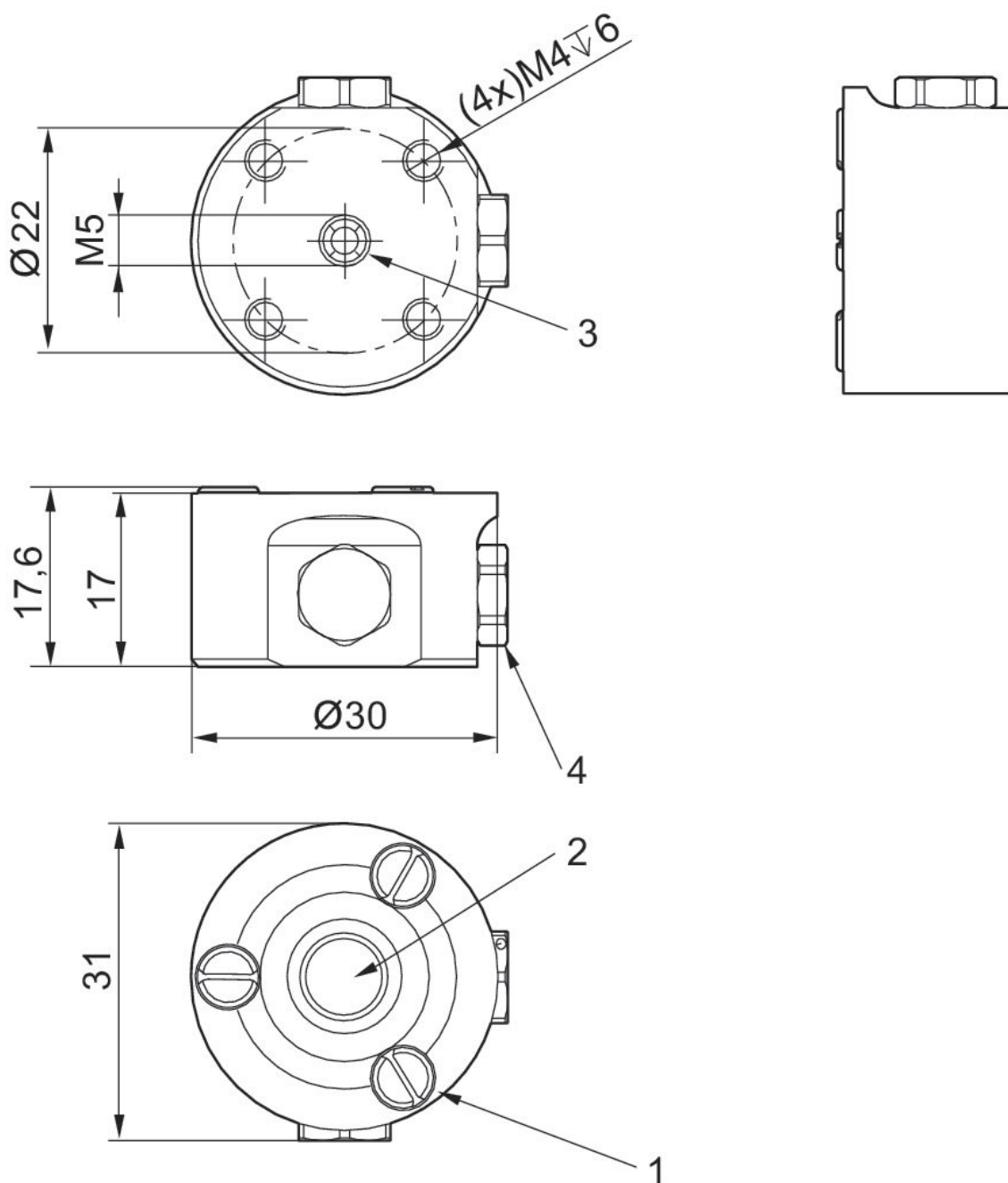
Druckluft-anschluss	Hubkraft bei [[5] bar] [N]	Durch-messer [mm]	Werkstoff	Materialnummer
M5	2.5	20	Polyethere-therketon	R412014866
M5	3	30	Polyethere-therketon	R412014867
M5	5.5	40	Polyethere-therketon	R412014868
M5	12	60	Polyethere-therketon	R412014869

Abmessungen
Ø 20



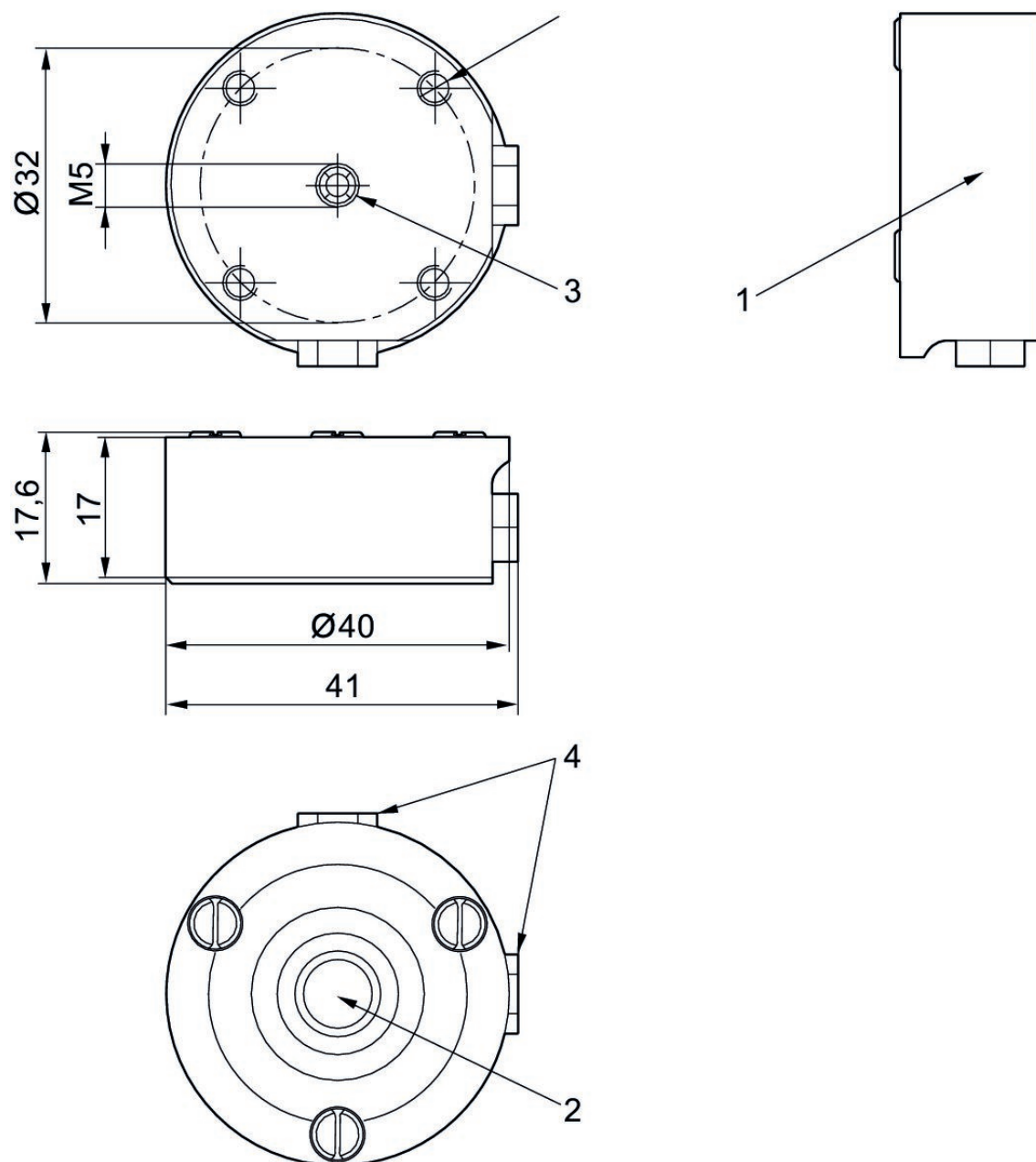
1) Anschlag 2) Düse 3) Druckluftanschluss 4) alternativer Druckluftanschluss mit Verschlusschraube

Abmessungen
Ø 30



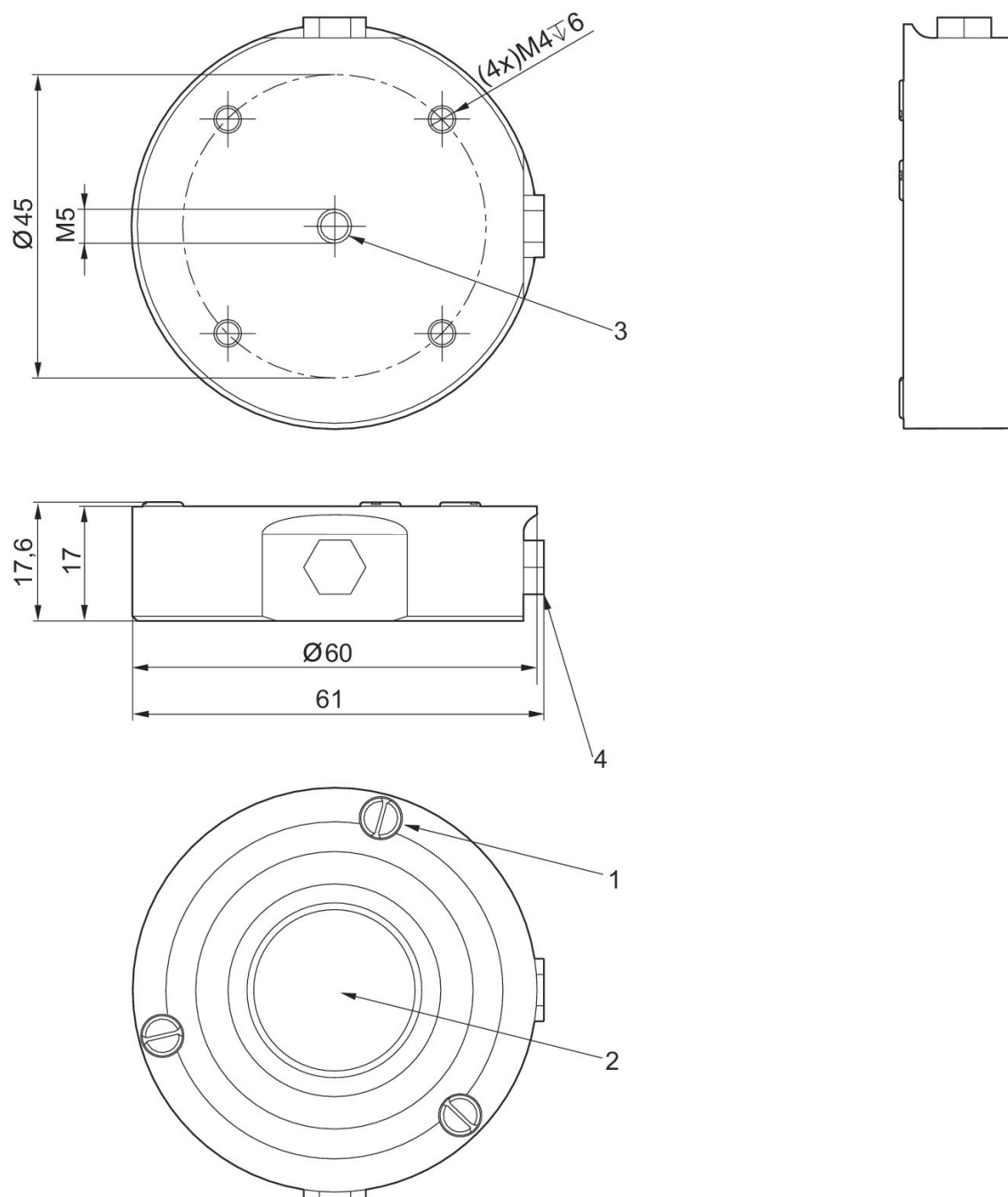
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Abmessungen
Ø 40



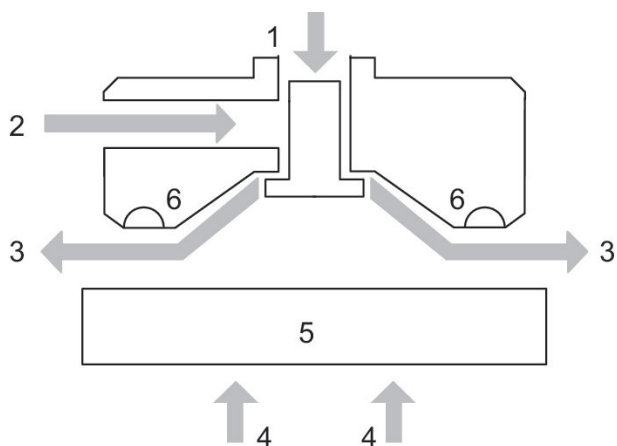
1) Anschlag 2) Düse 3) Druckluftanschluss 4) alternativer Druckluftanschluss mit Verschlusschraube

Abmessungen
Ø 60



1) Anschlag 2) Düse 3) Druckluftanschluss 4) alternativer Druckluftanschluss mit Verschlusschraube

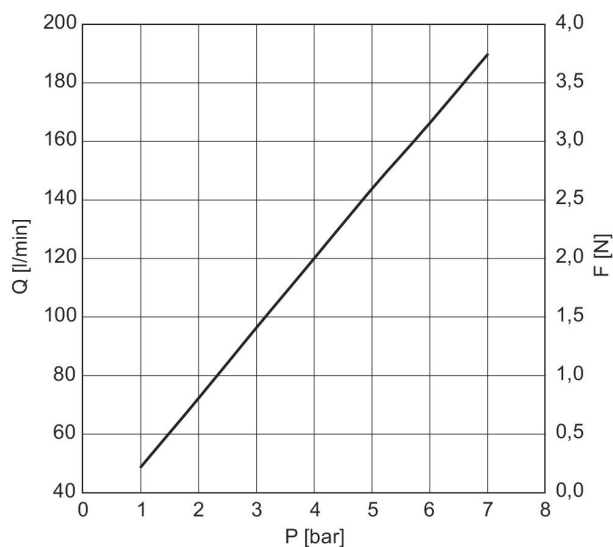
Funktionsprinzip



1) Druckluftanschluss 2) alternativer Druckluftanschluss 3) Luftstrom 4) Hubkraft 5) Objekt 6) Anschlag

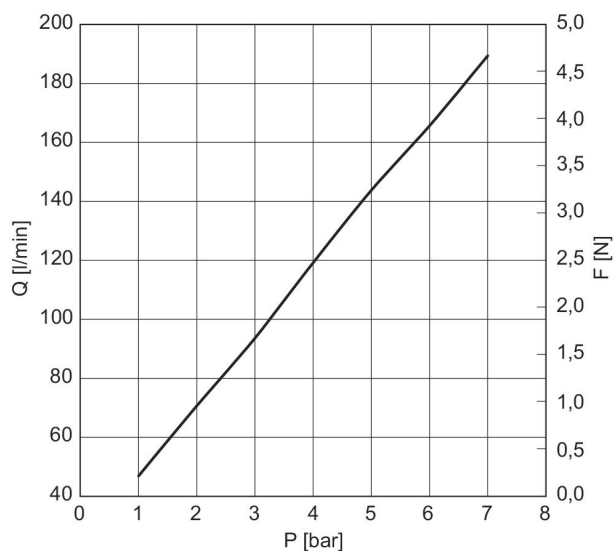
Hubkraft F und Luftverbrauch Q in Abhängigkeit vom Betriebsdruck p

Ø 20



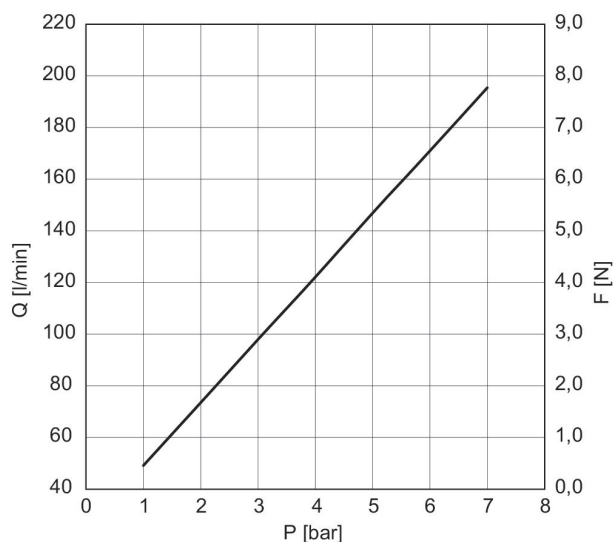
Hubkraft F und Luftverbrauch Q in Abhängigkeit vom Betriebsdruck p

Ø 30



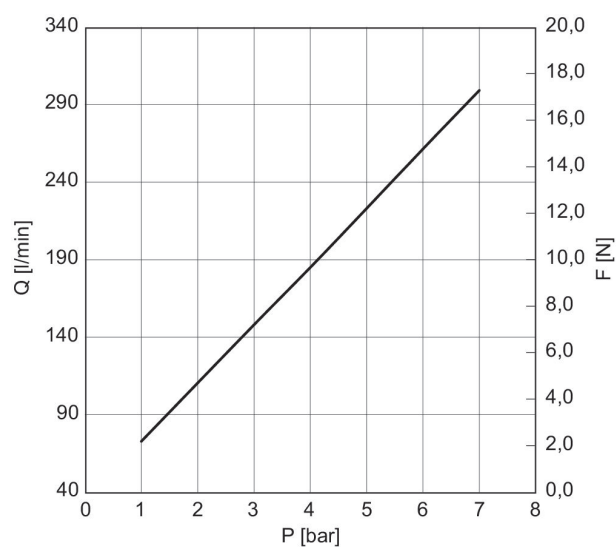
Hubkraft F und Luftverbrauch Q in Abhängigkeit vom Betriebsdruck p

Ø 40

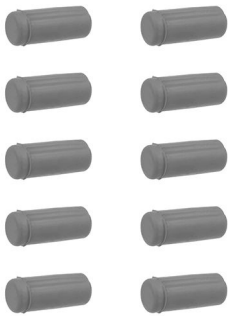


**Hubkraft F und Luftverbrauch Q in Abhängigkeit vom
Betriebsdruck p**

Ø 60

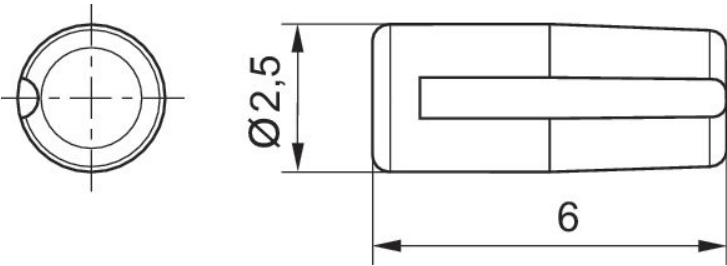


Anschläge für Serie NCT-AL



Bauart	Liefer- umfang [Stück]	Werkstoff	Materialnummer
NCT-AL Ø20/30	10	Hochtempe- raturwerkstoff HT1	R412010376

Abmessungen

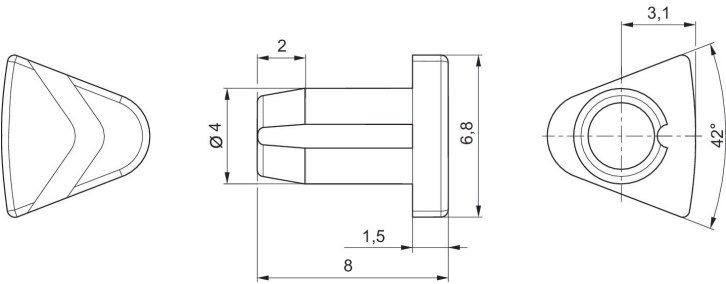


Anschläge für Serie NCT-AL



Bauart	Liefer- umfang [Stück]	Werkstoff	Materialnummer
NCT-AL Ø40/60/100	10	Hochtempe- raturwerkstoff HT1	R412010377

Abmessungen

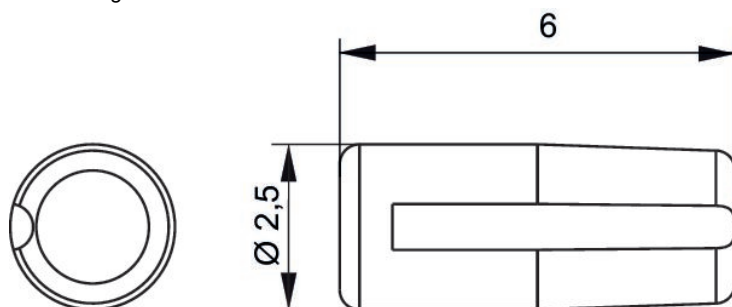


Anschläge für Serie NCT-PK



Bauart	Liefer- umfang [Stück]	Werkstoff	Materialnummer
NCT-PK Ø20	10	Silikonkau- tschuk	R412014872

Abmessungen

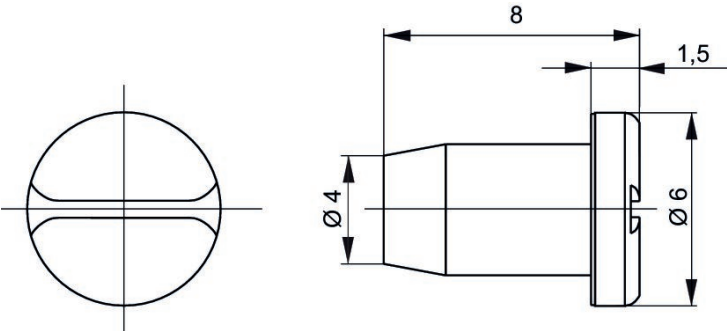


Anschläge für Serie NCT-PK

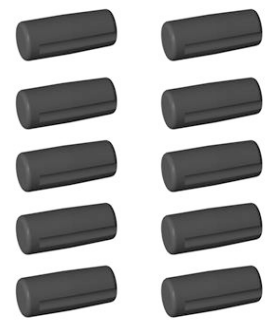


Bauart	Liefer- umfang [Stück]	Werkstoff	Materialnummer
NCT-PK Ø30, NCT-PK Ø40, NCT-PK Ø60	10	Silikonkau- tschuk	R412014873

Abmessungen

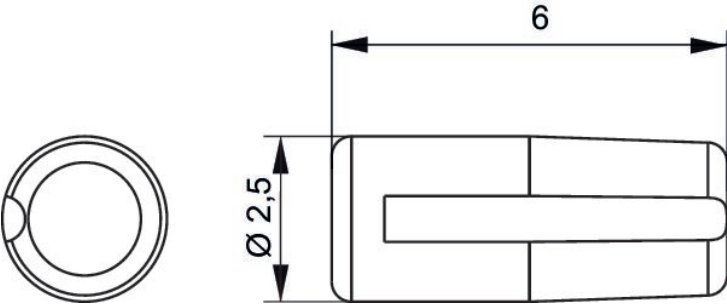


Anschläge für Serie NCT-PK

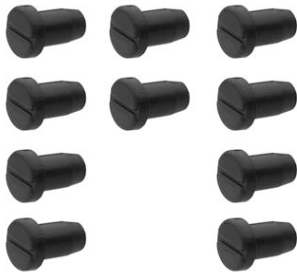


Bauart	Liefer- umfang [Stück]	Werkstoff	Materialnummer
NCT-PK Ø20	10	Hydrierter Acrylnitril-Bu- tadien-Kau- tschuk	R412014876

Abmessungen

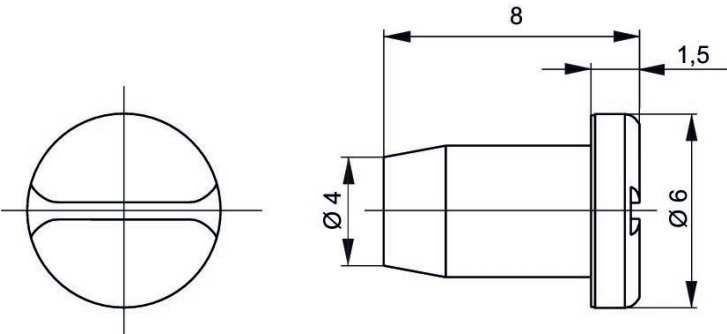


Anschläge für Serie NCT-PK



Bauart	Liefer- umfang [Stück]	Werkstoff	Materialnummer
NCT-PK Ø30, NCT-PK Ø40, NCT-PK Ø60	10	Hydrierter Acrylnitril-Bu- tadien-Kau- tschuk	R412014877

Abmessungen



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



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