

Gripper and vacuum technology → Non-contact transport system

Non-contact transport system, Series NCT-AL

► F = 0.9 - 46 N ► Ø 20 - 100 mm



PNCT_004

Version	Bernoulli principle
Working pressure min./max.	1 bar / 7 bar
Ambient temperature min./max.	+5 °C / +60 °C
Medium	Compressed air
Max. particle size	40 µm
Oil content of compressed air	0 mg/m³

Materials:	
Housing	Aluminum, anodized
Seals	Nitrile rubber
Blanking screw	Brass, nickel-plated

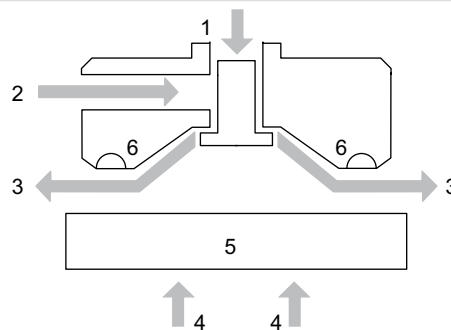
Technical Remarks

- 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.

	Diameter	Holding force at 5 bar	Air consumption at 5 bar	Port	Weight	Note	Part No.
	[mm]	[N]	[l/min]		[kg]		
	20	0.9	100	M5	0.02	1); 3)	2650100010
	30	1.3	100	M5	0.03	1); 3)	2650100020
	40	2	110	M5	0.05	1); 3)	2650100030
	60	6	210	M5	0.12	1); 3)	2650100040
	100	46	228	G 1/8	0.3	2); 4)	R412010640

- 1) Stop: Silicone caoutchouc
- 2) Stop: Hydrogenated nitrile butadiene rubber
- 3) Nozzle: Stainless steel
- 4) Nozzle: Aluminum, anodized

Principle of operation



00138451

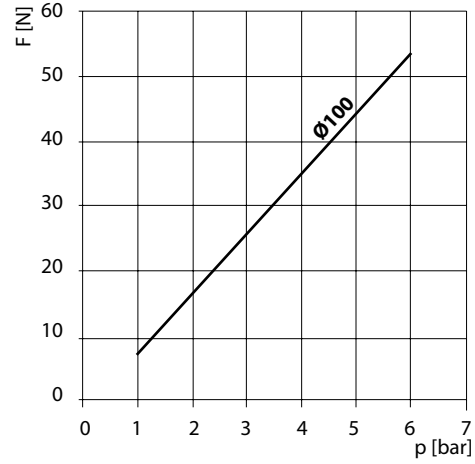
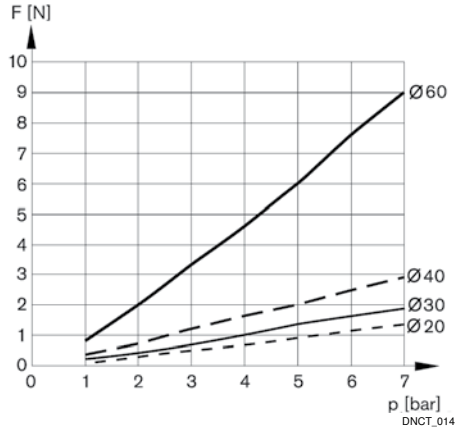
- 1) Compressed air connection
- 2) Alternative compressed air connection
- 3) Air flow
- 4) Lifting force
- 5) Object
- 6) Stop

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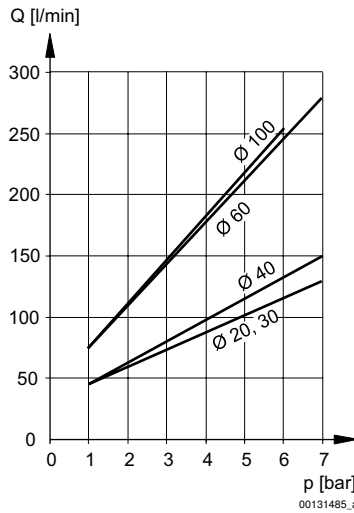
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Lifting force F dependent on working pressure p



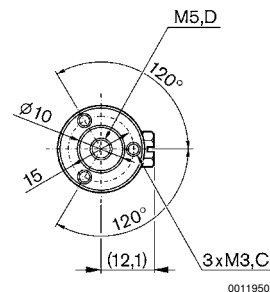
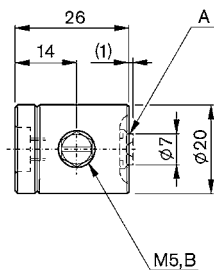
DNCT_014_a

Air consumption Q depending on working pressure p



00131485_a

Dimensions, Ø 20



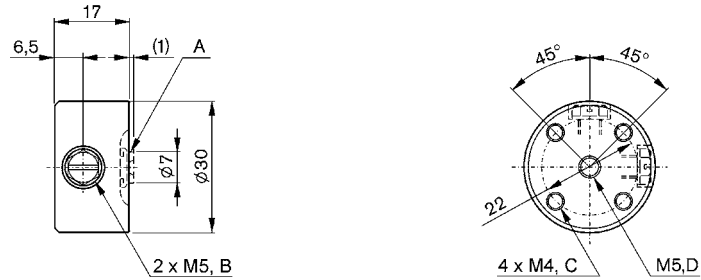
- A=stop
- B=alternative compressed air connection
- C=depth=5mm
- D=air connection

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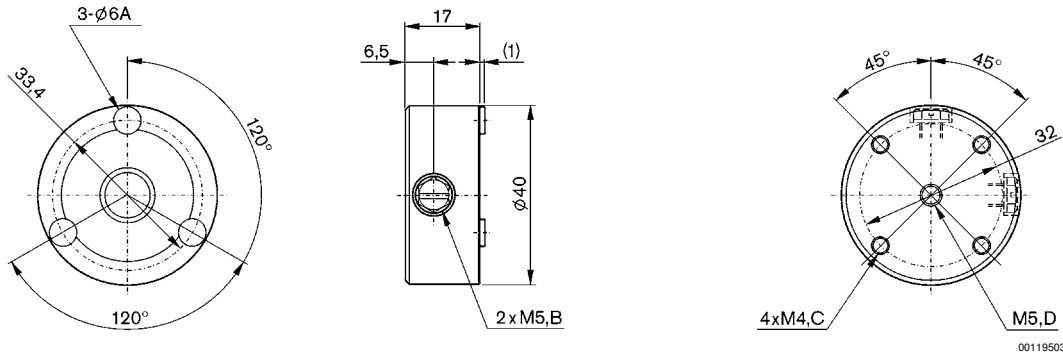
Dimensions, Ø 30



00119502

- A=stop
- B=alternative compressed air connection
- C=depth=5mm
- D=air connection

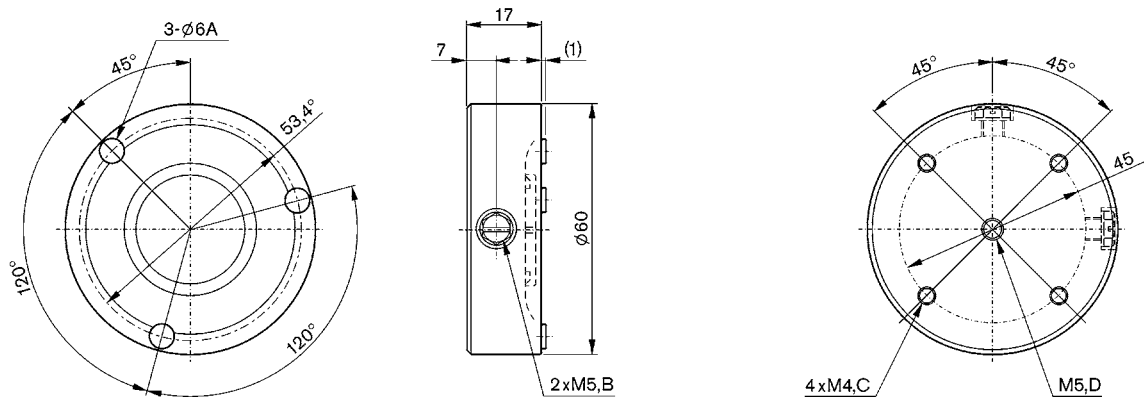
Dimensions, Ø 40



00119503

- A=stop (can be removed for contactless applications)
- B=alternative compressed air connections
- C=depth=5mm
- D=air connection

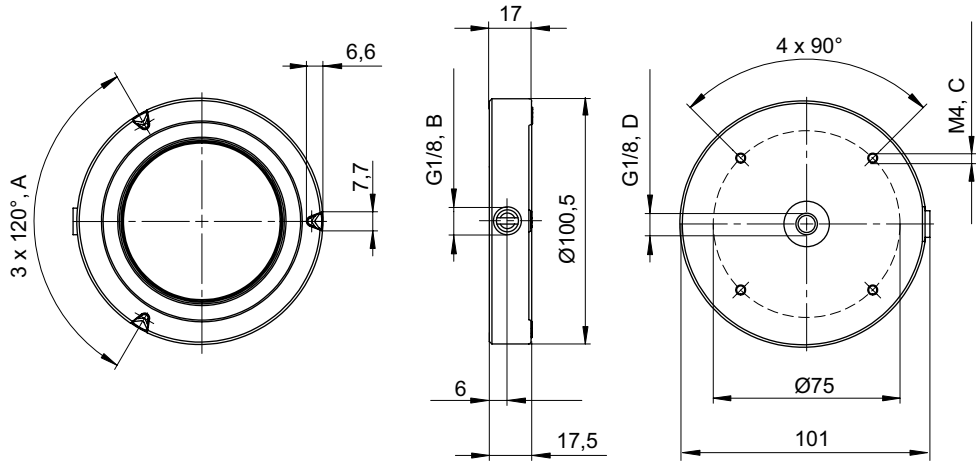
Dimensions, Ø 60



00119504

- A=stop (can be removed for contactless applications)
- B=alternative compressed air connections
- C=depth=5mm
- D=air connection

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20464

A=stop (can be removed for contactless applications)
 B=alternative compressed air connections, 6mm
 C=Mounting holes position, 10mm
 D=air connection, 5mm