Vakuumflachsauger nach Durchmesser

Flat Vacuum Suction Cups by diameter

Flachsauger/*Flat Suction Cups*

	Seite/*page*
Vakuumflachsauger Ø 1,0 - 25 mm *Vacuum Flat Suction Cups dia. 1,0 - 25 mm*	111 - 154
Vakuumflachsauger Ø 26 - 38 mm *Vacuum Flat Suction Cups dia. 26 - 38 mm*	155 - 172
Vakuumflachsauger Ø 40 - 66 mm *Vacuum Flat Suction Cups dia. 40 - 66 mm*	173 - 188
Vakuumflachsauger Ø 70 - 160 mm *Vacuum Flat Suction Cups dia. 70 - 160 mm*	189 - 204
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Hinweis:
Unser gesamtes Sortiment finden Sie unter www.mf-automation.com.

Note:
Our entire range can be found at www.mf-automation.com.

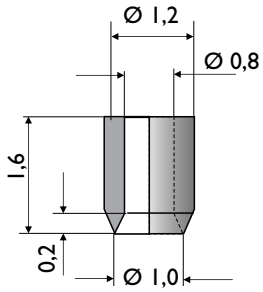
Vakuumflachsauger Ø 1 - 2 mm

Flat Vacuum Suction Cups dia. 1 - 2 mm

Art. No.: F0.001.001.*

Hub/*Stroke*: 0,1 mm
Gewicht/*Weight*: 0,1 g

*Material:
NBR schwarz/*black*
Silikon transparent



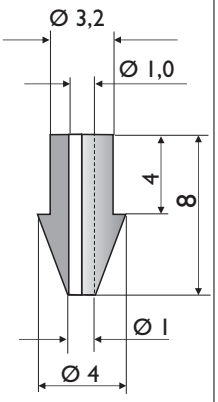
Anschlussteil/ *Fitting*
AT.0626 - AG M3

Verpackungseinheit: 10 Stück
Packing unit: 10 pieces

Art. No.: F0.001.003.*

Hub/*Stroke*: 0,0 mm
Gewicht/*Weight*: 0,1 g

*Material
NBR schwarz/*black* -30° - +120° C
Silikon transparent -40° - +200° C
Silikon antistatisch/*antistatic* -40° - +200° C
Polyurethan blau/*blue* -20° - +70° C
FKM grau/*grey* -10° - +230° C
FKM schwarz/*black* -10° - +230° C
Silikon braun/*brown* -40° - +300° C (SHT)



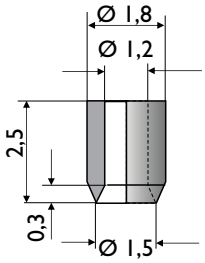
Anschlussteil/*Fitting*
00 08 01 - AG M5

Art. No.: F0.001.002.*

Hub/*Stroke*: 0,3 mm
Gewicht/*Weight*: 0,1 g

Verpackungseinheit: 10 Stück
Packing unit: 10 pieces

*Material:
NBR schwarz/*black*
Silikon transparent

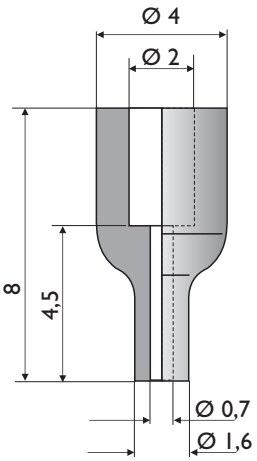


Anschlussteile/ *Fittings*
AT.0611 - AG M3

Art. No.: F0.002.004.*

Hub/*Stroke*: 0,0 mm
Gewicht/*Weight*: 0,1 g

*Material:
NBR schwarz/*black*
Silikon transparent -40° - +200° C
Silikon braun/*brown* -40° - +300° C
(SHT)



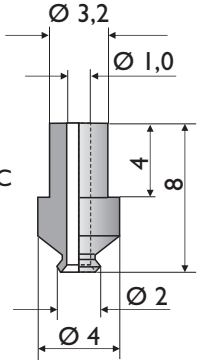
Bevorzugter Einsatz:
Elektronik-Industrie
Special use:
Electronic industry

Passend für Vakuumpinzetten
Art. No.: MF.VTA-Set und
MF.VTB-Set
Suitable for vacuum pincettes
Art. No.: MF.VTA-Set and MF.VTB-Set

Art. No.: F0.002.003.*

Hub/*Stroke*: 0,2 mm
Gewicht/*Weight*: 0,1 g

*Material
NBR schwarz/*black* -30 - +120° C
Silikon transparent -40 - +200° C
Silikon antistatisch/*antistatic* -40 - +200° C
Polyurethan blau/*blue* -20 - +70° C
FKM grau/*grey* -10 - +230° C
FKM schwarz/*black* -10 - +230° C
Silikon braun/*brown* -40 - +300° C (SHT)

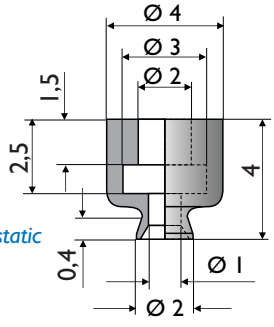


Anschlussteil/*Fitting*
00 08 01 - AG M5

Art. No.: F0.002.001.*

Hub/*Stroke*: 0,4 mm
Gewicht/*Weight*: 0,1 g

*Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
FKM (Viton®)
Silkon schwarz/*black* antistatisch/*antistatic*



Anschlussteile/*Fittings*
AT.0614 - AG M3
AT.0300 - AG M5

Auf Anfrage/*on request:*
Silikon +300° C (SHT),
NBR 40°/70° Shore
Silikon 20°/40°/60° Shore

Vakuumflachsauger Ø 3 mm

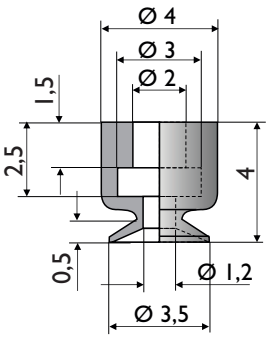
Flat Vacuum Suction Cups dia. 3 mm

Art. No.: F0.003.001.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 0,1 g

*Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
Polyurethan
FKM (Viton®)
Silkon schwarz/*black*
antistatisch/*antistatic*

Anschlussteile/*Fittings*
AT.0614 - AG M3
AT.0300 - AG M5

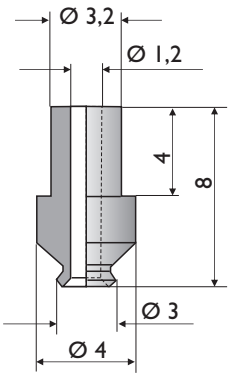


Art. No.: F0.003.002.*

Hub/*Stroke*: 0,3 mm
Gewicht/*Weight*: 0,1 g

*Material;
NBR schwarz/*black* -30° - +120° C
Silikon transparent -40° - +200° C
Silikon antistatisch/*antistatic* -40° - +200° C
Polyurethan blau/*blue* -20° - +70° C
FKM grau/*grey* -10° - +230° C
FKM schwarz/*black* -10° - +230° C
Silikon braun/*brown* -40° - +300° C (SHT)

Anschlussteil/*Fitting*
00 08 01 AG M5

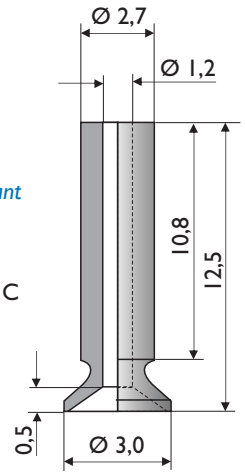


Art. No.: F0.003.004.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 0,1 g

*Material:
Vinyl blau/*blue* 50° (Standard)/
30° Shore 0° - +60° C
Vinyl schwarz/*black* ölbeständig/*oil resistant*
60° Shore 0° - +60° C
Silikon transparent 40°/45° Shore
-45° - +210° C
Silikon FDA 40°/60° Shore -45° - +210° C
Silikon 60° Shore
Hochtemperatur/*high temperature*
-45° - +230° C
Polyurethan 35°/40°/50°/60°/80° Shore
0° - +70° C

Anschlussteil/*Fitting*
AT.0711 - AG M5



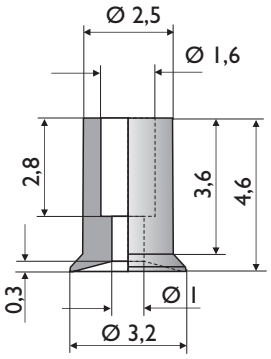
Art. No.: MF.VP.003.*

Hub/*Stroke*: 0,3 mm
Gewicht/*Weight*: 0,1 g

*Material:
Silikon schwarz/*black*
antistatisch/*antistatic*
(-20° - +130° C)
10^6 - 10^8 Ohm

Andere Materialien
(NBR, Silikon transparent,
FKM) auf Anfrage.

Other materials
(NBR, Silicone transparent,
FKM) on request.

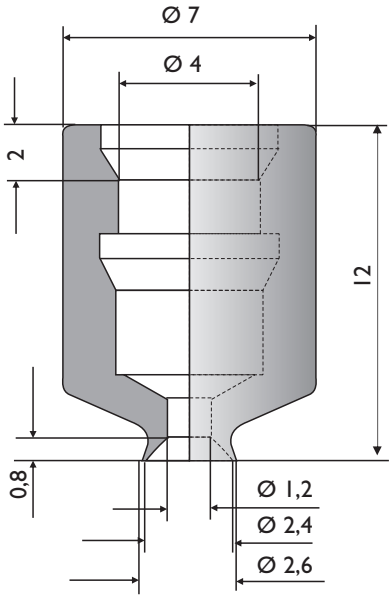


Art. No.: F0.003.003.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 0,4 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
AT.0705 - IG M5
AT.0134 - AG M5



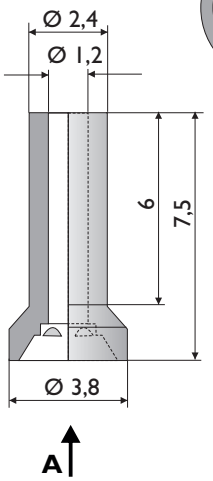
Art. No. F0.004.001.*

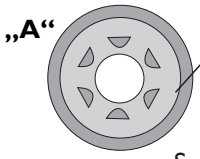
Hub/*Stroke:* 1,0 mm
Gewicht/*Weight:* 0,1 g

*Material:
NBR, schwarz/*black*
EPDM schwarz/*black* (Peroxid vernetzt)

Andere Materialien auf Anfrage
Other materials on request

Anschlussteil/*Fitting*
AT.0606 - AG M5





Spezialeinsatz:
- Unebene Kleinteile (z.B. Elektroindustrie usw.)
- Dünne Folien
- Kleine Kugeln

Vorteile:
- Erhöhte Haltekraft durch Spezial-Abstützrippen
- Hohe Positionsstabilität auch bei Beschleunigungen
- Anschmiegsam auch bei Unebenheiten

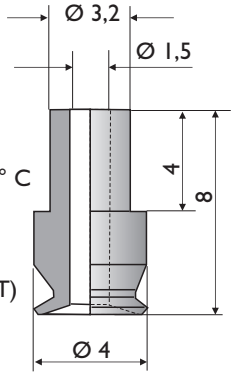
Special Use
- *Uneven small parts (e.g. electronic industry etc.)*
- *Thin foil*
- *Small balls*

Advantages:
- *Large holding force by special supports*
- *High positional stability even at accelerations*
- *Conform even also with unevenness*

Art. No.: F0.004.002.*

Hub/*Stroke*: 0,3 mm
Gewicht/*Weight*: 0,1 g

*Material:
NBR schwarz/*black* -30° - +120° C
Silikon transparent -40° - +200° C
Silikon antistatisch/*antistatic* -40° - +200° C
Polyurethan blau/*blue* -20° - +70° C
FKM grau/*grey* -10° - +230° C
FKM(sw) schwarz/*black* -10° - +230° C
Silikon braun/*brown* -40° - +300° C (SHT)

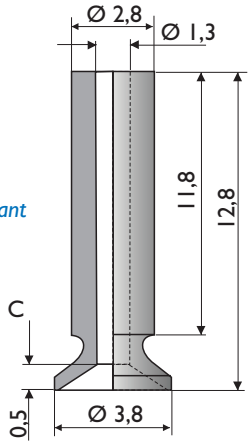


Anschlussteil/*Fitting*
00 08 01 - AG M5

Art. No. F0.004.004.*

Hub/*Stroke:* 0,5 mm
Gewicht/*Weight:* 0,1 g

*Material:
Vinyl blau/*blue* 50° (Standard)/ 30° Shore 0° - +60° C
Vinyl schwarz/*black* ölbeständig/*oil resistant* 60° Shore 0° - +60° C
Silikon transparent 40°/45° Shore -45° - +210° C
Silikon FDA 40°/60° Shore -45° - +210° C
Silikon 60° Shore Hochtemperatur/*high temperature* -45° - +230° C
Polyurethan 35°/40°/50°/60°/80° Shore 0° - +70° C



Anschlussteil/*Fitting*
AT.0711 - AG M5

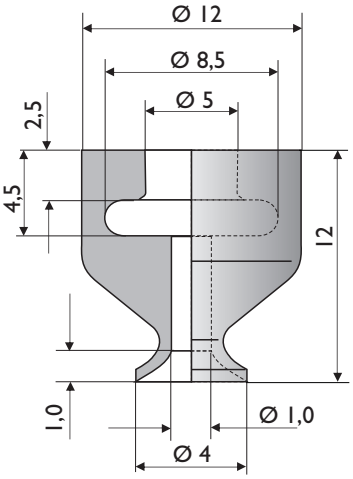
Spezialeinsatz und Vorteile siehe oben
Special use and anvantages see obove

Art. No. F0.004.005.*

Hub/*Stroke:* 1,0 mm
Gewicht/*Weight:* 1,0 g

*Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
Silikon antistatisch/*antistatic* schwarz/*black* 50° Shore
Fluorsilikon rot/*red* 40° Shore

Anschlussteil/*Fitting*
AT.0536 - AG M5



Hubzylinder „VZP“ direkt aufsteckbar.
Lifting Cylinder „VZP“ attachable directly.

Vakuumflachsauger Ø 4 mm

Flat Vacuum Suction Cups dia. 4 mm

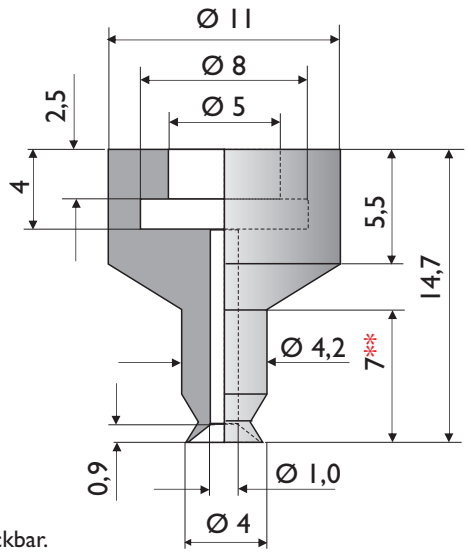
Art. No.: F0.004.006.*

Hub/*Stroke:* 0,7 mm
Gewicht/*Weight*: 0,3 g

*Material:
NBR schwarz/*black*
Silikon transparent

Vorteil:
** Eintauchtiefe von 7 mm
Advantage:
** *Immersions depth of 7 mm*

Anschlussteil/*Fitting*
AT.0536 - AG M5

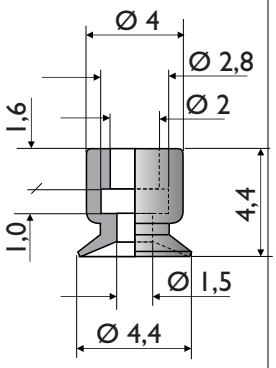


Hubzylinder „VZP“ direkt aufsteckbar.
Lifting Cylinder „VZP“ attachable directly.

Art. No.: F0.004.007.*

Hub/*Stroke:* 0,5 mm
Gewicht/*Weight*: 0,1 g

*Material:
NBR schwarz/*black*
Silikon transparent
Silikon schwarz/*black*
antistatisch/*antistatic*

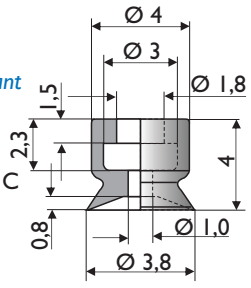


Anschlussteile/*Fittings*
ATM.001 - AG M3
AT.0300-0.8-M5

Art. No.: F0.004.008.*

Hub/*Stroke*: 0,6 mm
Gewicht/*Weight*: 0,1 g

*Material:
Vinyl blau/*blue* 50° (Standard)/
30° Shore 0° - +60° C
Vinyl schwarz/*black* ölbeständig/*oil resistant*
60° Shore 0° - +60° C
Silikon transparent 40°/45° Shore
-45° - +210° C
Silikon FDA 40°/60° Shore -45° - +210° C
Silikon 60° Shore
Hochtemperatur/*high temperature*
-45° - +230° C
Polyurethan 35°/40°/50°/60°/80° Shore
0° - +70° C

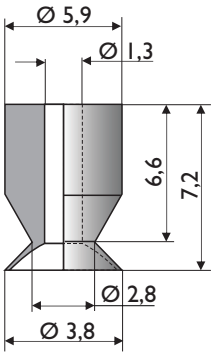


Anschlussteile/*Fittings*
AT.0300-08 - AG M5
AT.0614 - AG M3

Art. No.: F0.004.009.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 0,2 g

*Material:
Vinyl blau/*blue* 50° (Standard)/
30° Shore 0° - +60° C
Vinyl schwarz/*black* ölbeständig/*oil resistant*
60° Shore 0° - +60° C
Silikon transparent 40°/45° Shore
-45° - +210° C
Silikon FDA 40°/60° Shore -45° - +210° C
Silikon 60° Shore
Hochtemperatur/*high temperature*
-45° - +230° C
Polyurethan 35°/40°/50°/60°/80° Shore
0° - +70° C



Anschlussteil/*Fitting*
AT.0711 - AG M5

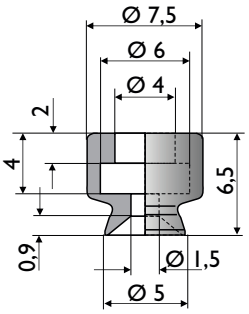
Art. No.: F0.005.001.*

Hub/*Stroke:* 0,9 mm
Gewicht/*Weight:* 0,1 g

*Material:
NBR schwarz/*black 50° Shore*
Silikon 50° Shore
Polyurethan
FKM (Viton®)
Silkon antistatisch/*antistatic*

Auf Anfrage/*on request:*
Silikon +300° C
NBR 40°/70° Shore
Silikon 20°/40°/60° Shore

Art.No.: F0.005.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C

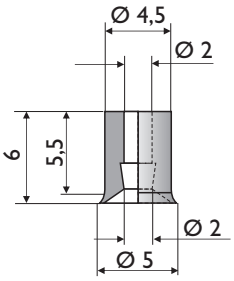


Anschlussteile/*Fittings*
AT.0536 - AG M5(SH=3,5 mm)
AT.0650 - AG M5(SH=5,0 mm)

Art. No.: F0.005.002.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 0,1 g

*Material:
CR schwarz/*black*
Silikon transparent

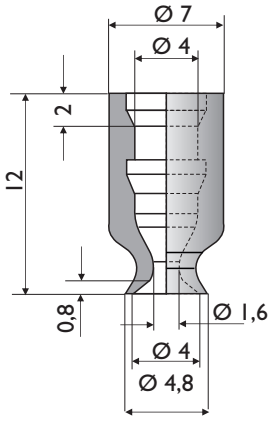


Anschlussteil/*Fitting*
AT.0153 - AG M5

Art. No.: F0.005.006.*

Hub/*Stroke:* 0,8 mm
Gewicht/*Weight:* 0,2 g

*Material:
NBR schwarz/*black*
Silikon transparent

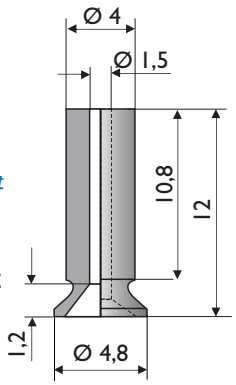


Anschlussteile/*Fittings*
AT.0705 - IG M5
AT.0134 - AG M5

Art. No.: F0.005.007.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,2 g

*Material:
Vinyl blau/*blue* 50° (Standard)/
30° Shore 0° - +60° C
Vinyl schwarz/*black* ölbeständig/*oil resistant*
60° Shore 0° - +60° C
Silikon transparent 40°/45° Shore
-45° - +210° C
Silikon FDA 40°/60° Shore -45° - +210° C
Silikon 60° Shore
Hochtemperatur/*high temperature*
-45° - +230° C
Polyurethan 35°/40°/50°/60°/80° Shore
0° - +70° C

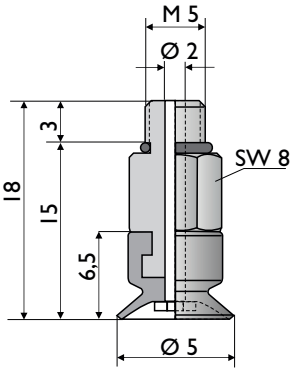


Anschlussteil/*Fitting*
AT.0701 - AG M5

Art. No.: F2.005.002.*

Hub/*Stroke:* 0,8 mm
Gewicht/*Weight:* 4,5 g

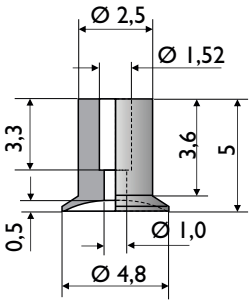
*Material:
NBR schwarz/*black*
Silikon transparent



Art. No.: MF.VP.005.*

Hub/*Stroke:* 0,5 mm
Gewicht/*Weight:* 0,2 g

*Material:
Silikon schwarz/*black*
antistatisch/*antistatic*
-20° - +130° C
10^6- 10^8Ohm



Andere Materialien (NBR, Silikon transparent, FKM) auf Anfrage.
Other materials (NBR, Silicone transparent, FKM)on request.

Vakuumflachsauger Ø 6 mm

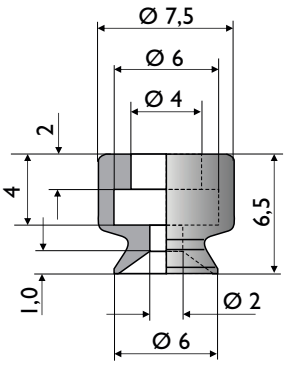
Flat Vacuum Suction Cups dia. 6 mm

Art. No.: F0.006.001.*

Hub/*Stroke:* 1,0 mm
Gewicht/*Weight:* 0,2 g

*Material:
NBR schwarz/*black 50° Shore*
Silikon 50° Shore
Polyurethan
FKM (Viton®)
Silkon antistatisch/*antistatic*

Auf Anfrage/*on request:*
Silikon +300° C
NBR 40°/70° Shore
Silikon 20°/40°/60° Shore



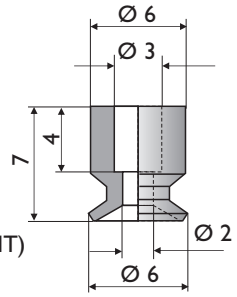
Art.No.; F0.006.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C

Anschlussteile/*Fittings*
AT.0536 - AG M5 (SH=3,5 mm)
AT.0650 - AG M5 (SH=5,0 mm)

Art. No.: F0.006.002.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 0,2 g

*Material:
NBR schwarz/*black* -30° - +120° C
Silikon transparent -40° - +200° C
Silikon antistatisch/*antistatic*
-40° - +200° C
Polyurethan blau/*blue* -20° - +70° C
FKM grau/*grey* -10° - +230° C
FKM schwarz/*black* -10° - +230° C
Silikon braun/*brown* -40° - +300° C (SHT)

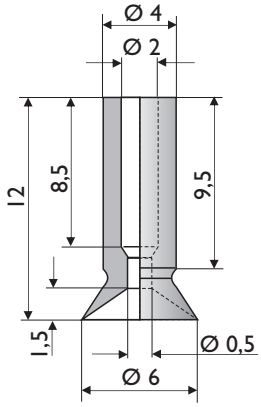


Anschlussteil/*Fitting*
AT.0283 - AG M5

Art. No.: F0.006.003.*

Hub/*Stroke:* 1,5 mm
Gewicht/*Weight*: 1,0 g

* Material:
NBR schwarz/*black*
Silikon rot/*red*

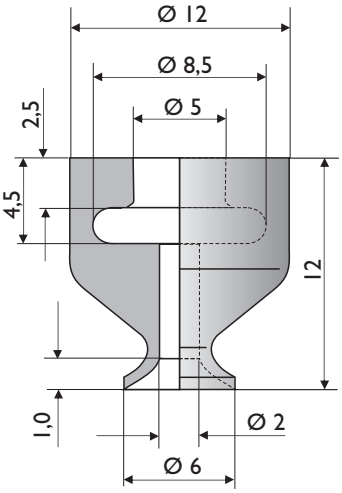


Anschlussteil/*Fitting*
AT.0701 - AG M5

Art. No.: F0.006.004.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 1,0 g

*Material
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
Silikon schwarz/*black* 50° Shore
antistatisch/*antistatic*
Fluorsilikon, rot/*red* 40° Shore



Anschlussteil/*Fitting*
AT.0536 - AG M5

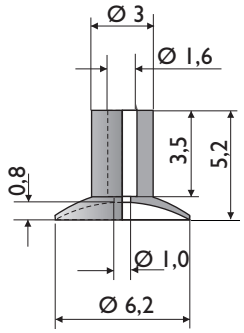
Hubzylinder „VZP“ direkt aufsteckbar.
Lifting Cylinder „VZP“ attachable directly.

Art. No. : MF.VP.006.*

Hub/*Stroke:* 0,8 mm
Gewicht/*Weight*: 0,2 g

*Material:
Silikon schwarz/*black*,
antistatisch/*antistatic*,
-20° - +130° C 10^6 - 10^8 Ohm

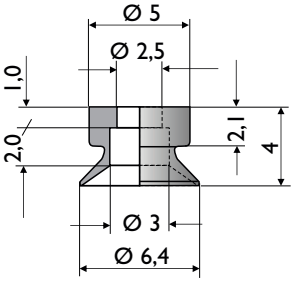
Andere Materialien
(NBR, Silikon transparent, FKM)
auf Anfrage.
Other materials (NBR, Silicone transparent FKM)on request.



Art. No.: F0.006.005.*

Hub/*Stroke*: 0,6 mm
Gewicht/*Weight*: 0,1 g

*Material:
NBR schwarz/*black* 60° Shore
Silikon transparent 60° Shore



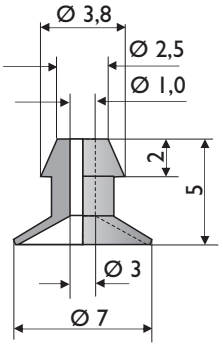
Anschlussteile/*Fittings*
AT.0111 - AG M4
AT.0300 - AG M5

Vakuumflachsauger Ø 7 mm

Flat Vacuum Suction Cups dia. 7 mm

Art. No.: F0.007.001.*
Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 0,1g

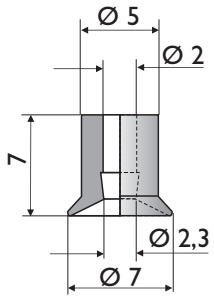
*Material:
Silikon transparent



Art. No.: F0.007.002.*
Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,2 g

*Material:
NBR schwarz/*black*
CR schwarz/*black*
Silikon transparent
Silikon rot/*red*

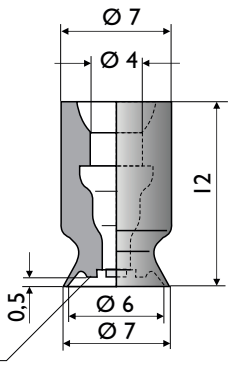
Anschlussteil/*Fitting*
AT.0153 - AG M5



Art. No.: F0.007.003.*
Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 1,0 g

*Material:
Silikon transparent
NBR schwarz/*black*

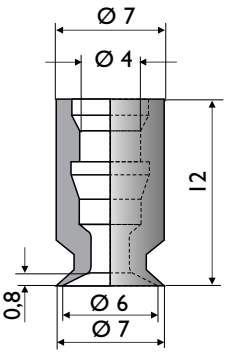
Anschlussteile/*Fittings*
AT.0705 - IG M5
AT.0134 - AG M5



Art. No.: F0.007.004.*
Hub/*Stroke*: 0,8 mm
Gewicht/*Weight*: 1,0 g

*Material:
Silikon transparent
NBR schwarz/*black*

Anschlussteile/*Fittings*
AT.0705 - IG M5
AT.0134 - AG M5



Vakuumflachsauger Ø 8 mm

Flat Vacuum Suction Cups dia. 8 mm

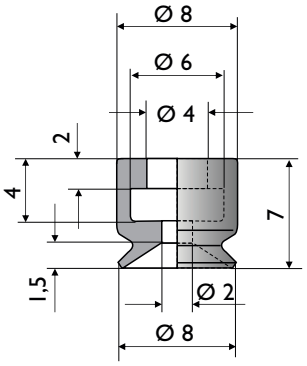
Art. No.: F0.008.001.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 0,4 g

*Material:
NBR schwarz/*black* 50° Shore
Silikon 50° Shore
Polyurethan blau/*blue* 50° Shore
FKM (Viton®)
Silikon antistatisch/*antistatic*

Auf Anfrage/*On request:*
Silikon +300° C (SHT)
NBR 40°/70° Shore
Silkon 20°, 40°, 60° Shore

Art.No.; F0.008.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
von/*from* -10° - +165° C

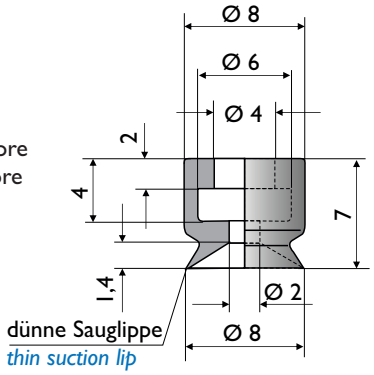


Anschlussteile/*Fittings*
AT.0536 - AG M5 (SH=3,5 mm)
AT.0650 - AG M5 (SH=5,0 mm)

Art. No.: 01 08 07.*

Hub/*Stroke*: 1,4 mm
Gewicht/*Weight*: 0,4 g

*Material:
NBR schwarz/*black* 60° Shore
Silikon transparent 45° Shore
-50° - +300° C



Anschlussteile/*Fittings*
AT.0536 - AG M5 (SH=3,5 mm)
AT.0650 - AG M5 (SH=5,0 mm)

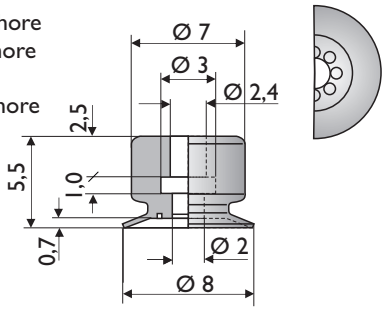
Art. No.: F0.008.002.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 0,2 g

- Vorteil: sehr dünne Sauglippe
  Advantage: very thin suction lip

* Material:
NBR schwarz/*black* 60° Shore
Silikon transparent 50° Shore
Silikon rot/*red* 50° Shore
Fluorsilikon rot/*red* 40° Shore

Anschlussteile/*Fittings*
AT.0283 - AG M5
AT.0111 - AG M4

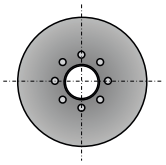


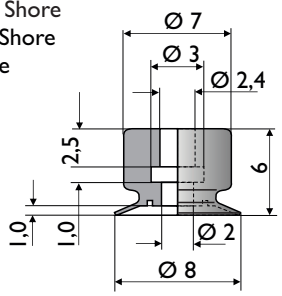
Art. No.: F0.008.008.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,2 g

*Material:
NBR schwarz/*black* 60° Shore
Silikon transparent 50° Shore
Silikon rot/*red* 50° Shore

Anschlussteile/*Fittings*
AT.0283 - AG M5
AT.0111 - AG M4



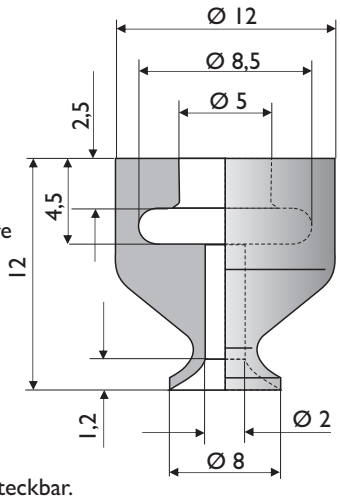


Art. No.: F0.008.005.*

Hub/*Stroke*: 1,2 mm
Gewicht/*Weight*: 1,0 g

* Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
Silikon schwarz/*black* 50° Shore
antistatisch/*antistatic*

Fluorsilikon rot/*red* 40° Shore
Anschlussteil/*Fitting*
AT.0536 - AG M5

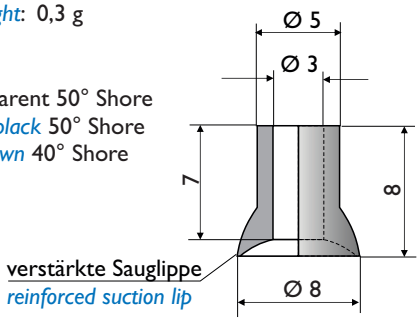


Hubzylinder „VZP“ direkt aufsteckbar.
Lifting Cylinder „VZP“ attachable directly.

Art. No.: F0.008.006.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,3 g

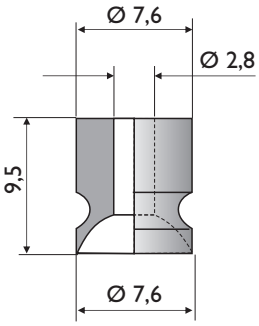
* Material:
Silikon transparent 50° Shore
NR schwarz/*black* 50° Shore
NR braun/*brown* 40° Shore



Art. No.: F0.008.007.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,5 g

*Material:
NR schwarz/*black*

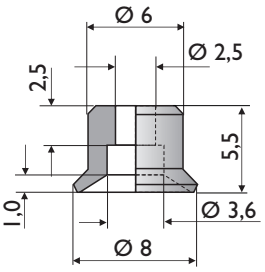


Art. No.: F0.008.003.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,3 g

*Material:
NBR schwarz/*black* -30 - +120° C
Silikon transparent -40 - +200° C
Silikon antistatisch/*antistatic*
-40 / +200°C
Polyurethan blau/*blue* -20 - +70° C
FKM grau/*grey* -10 - +230°C
FKM schwarz/*black* -10 - +230° C
Silikon braun/*brown* -40 - +300° C

Anschlussteil/*Fitting*
AT.0283 - AG M5

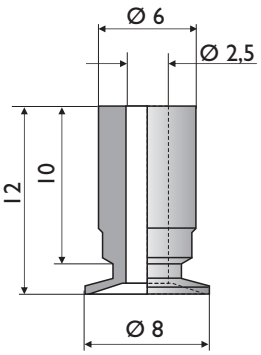


Art. No.: F0.008.004.*

Hub/*Stroke*: 0,3 mm
Gewicht/*Weight*: 0,2 g

*Material:
Silikon schwarz/*black*
antistatisch/*antistatic* -40 - +200° C
Silikon transparent -40 - +200° C
Silikon braun/*brown* -40 - +300° C
NBR schwarz/*black* -30 - +120° C

Anschlussteil/*Fitting*
AT.0283 - AG M5

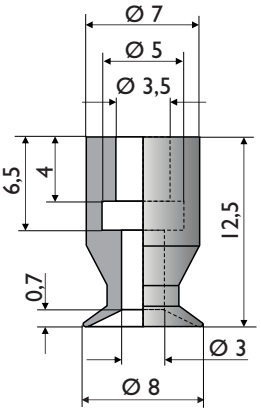


Art. No.: F0.008.010.*

Hub/*Stroke*: 0,6 mm
Gewicht/*Weight*: 0,2 g

*Material:
Silikon transparent
Silikon antistatisch/*antistatic*

Anschlussteil/*Fitting*
AT.0022 - AG M5

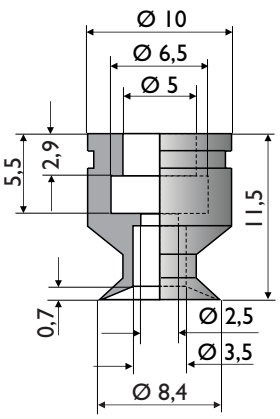


Art. No.: F0.008.009.*

Hub/*Stroke*: 0,6 mm
Gewicht/*Weight*: 0,2 g

*Material:
Silikon transparent
Silikon rot/*red*

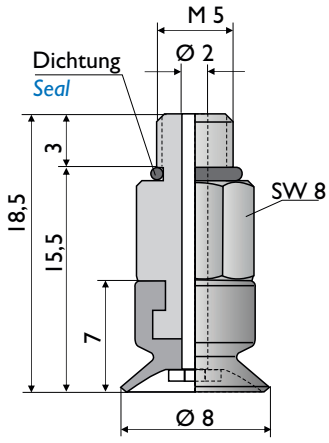
Anschlussteile/*Fittings*
AT.0536 - AG M5 (SH=3,5 mm)
AT.0650 - AG M5 (SH=5,0 mm)



Art. No.: F2.008.001.*

Hub/*Stroke*: 1,2 mm
Gewicht/*Weight*: 4,7 g

*Material:
NBR schwarz/*black*
Silikon blau/*blue*
Silikon transparent



Vakuumflachsauger Ø 9 mm

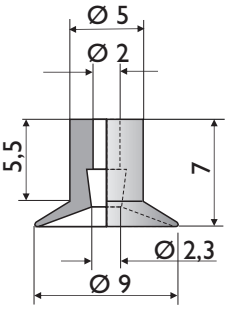
Flat Vacuum Suction Cups dia. 9 mm

Art. No.: F0.009.001.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 0,3 g

*Material:
NBRschwarz/*black* 50°/60° Shore
CR schwarz/*black*
Silikon transparent 40°/50° Shore
Silikon rot/*red* 40° Shore

Anschlussteil/*Fitting*
AT.0153 - AG M5

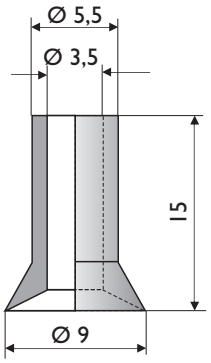


Art. No.: F0.009.002.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 0,2 g

*Material:
Silikon transparent 50° Shore
NR braun/*brown* 40° Shore

Anschlussteile/*Fittings*
AT.0104 - AG M6
AT.0134 - AG M5

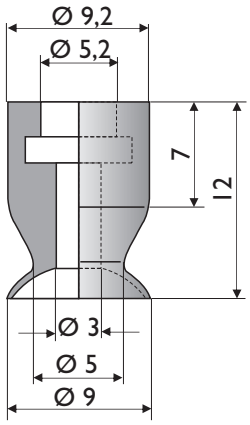


Art. No.: F0.009.003.*

Hub/*Stroke*: 1,3 mm
Gewicht/*Weight*: 0,3 g

*Material:
Silikon transparent 50° Shore
Silikon rot/*red* 55° Shore

Anschlussteil/*Fitting*
AT.0022 - AG M5

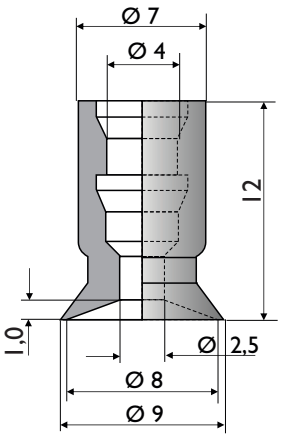


Art. No.: F0.009.004.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,2 g

*Material:
Silikon transparent
NBR schwarz/*black*

Anschlussteile/*Fittings*
AT.0705 - IG M5
AT.0134 - AG M5

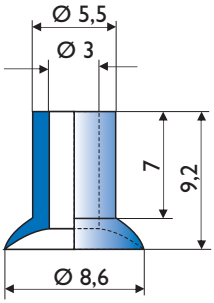


Art. No.: F0.009.005.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 0,3 g

*Material:
Vinyl blau/*blue* 50° Shore

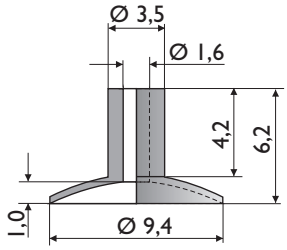
Anschlussteil/*Fitting*
AT.0022 - AG M5



Art. No. : MF.VP.009.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,2 g

*Material:
Silikon schwarz/*black*
antistatisch/*antistatic*
-20° - +130° C
10^6- 10^8Ohm



Andere Materialien (NBR, Silikon transparent, FKM) auf Anfrage!
Other materials (NBR, Silicone transparent, FKM)on request!

Vakuumflachsauger Ø 10 mm

Flat Vacuum Suction Cups dia. 10 mm

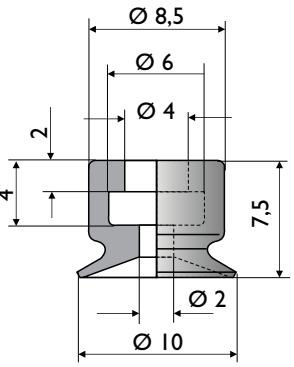
Art. No.: F0.010.001.*

Hub/*Stroke*: 1,2 mm
Gewicht/*Weight*: 0,2 g

*Material:
NBR schwarz/*black* 50° Shore
Silikon 50° Shore
Polyurethan blau/*blue* 50° Shore
FKM (Viton®)
Silikon schwarz/*black*
antistatisch/*antistatic* 50° Shore

Auf Anfrage/*on request:*
Silikon +300° C (SHT)
NBR 40°/70° Shore
Silkon 20°/40°/60° Shore

Art.No.: F0.010.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C



Anschlussteile/*Fittings*
AT.0536 - AG M5 (SH=3,5 mm)
AT.0650 - AG M5 (SH=5,0 mm)

Art. No.: F0.010.002.*

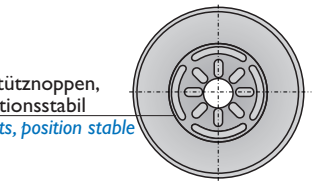
Hub/*Stroke*: 0,6 mm
Gewicht/*Weight*: 0,3 g

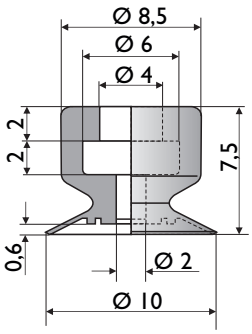
*Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 60° Shore
Silikon transparent 20° Shore
Silikon blau/*blue* 60° Shore
Silikon schwarz/*black*
antistatisch/*antistatic* 50° Shore

Auf Anfrage/*on request*
Silikon +300° C (SHT)

Anschlussteile/*Fittings*
AT.0536 - AG M5
AT.0650 - AG M5

Abstütznoppen, positionsstabil
Cleats, position stable





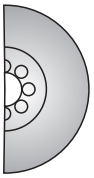
Art. No.: F0.010.013.*

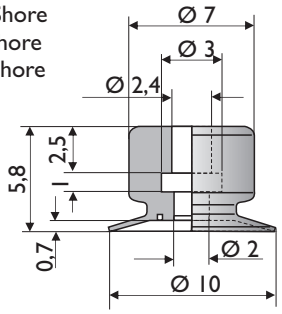
Hub/*Stroke*: 0,7 mm
Gewicht/*Weight*: 0,3 g

* Material:
NBR schwarz/*black* 60° Shore
Silikon transparent 50° Shore
Fluorsilikon rot/*red* 40° Shore

Anschlussteile/*Fittings*
AT.0283 - AG M5
AT.0111 - AG M4

- Vorteil: sehr dünne Sauglippe
  Advantage: very thin suction lip



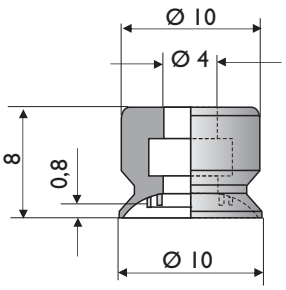


Art. No.: F0.010.003.*

Hub/*Stroke*: 0,8 mm
Gewicht/*Weight*: 1,0 g

* Material:
NBR schwarz/*black*

Anschlussteil/*Fitting*
AT.0536 - AG M5



- Vorteile:
  Hoch ölbeständige NBR-Qualität
  Verstärkte Sauglippe mit Abstütz-rippen für mehr Positionsstabilität

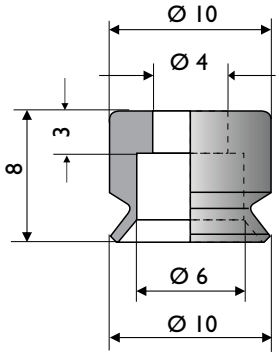
- *Advantages:*
  High oil resistant NBR quality.
  Reinforced lip with cleats for a better position stability

Art. No.: F0.010.007.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,6 g

* Material:
NBR schwarz/*black*
Silikon transparent
Silikon schwarz/*black*
antistatisch/*antistatic*
PUR blau/*blue*
FKM (Viton®) grau/*grey*

Anschlussteil/*Fitting*
AT.0536 - AG M5



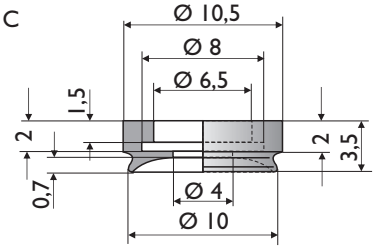
Art.No.: F0.010.005.*

Hub/*Stroke*: 0,7 mm
Gewicht/*Weight*: 0,1 g

* Material:
NBR schwarz/*black* -25° - +120° C
Si transparent -60° - +250° C

Anschlussteile/*Fittings*
AT.0382 - IG M5
AT.0715 - IG M5

- Vorteile/*Advantages:*
  niedrige Bauart / *low design*
  Sauglippe schnell wechselbar/
  lip quick replaceable



Vakuumflachsauger Ø 10 mm

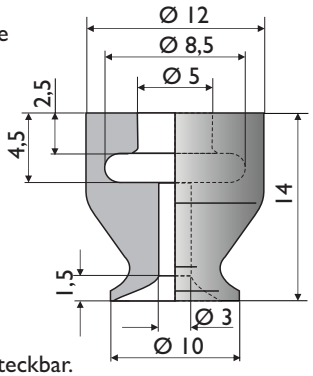
Flat Vacuum Suction Cups dia. 10 mm

Art. No.: F0.010.006.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 1,0 g

* Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
Silikon schwarz/*black* 50° Shore
antistatisch/*antistatic*
Fluorsilikon rot/*red* 40° Shore

- Vorteile:
sehr dünne, flexible Sauglippe
- *Advantage:*
very thin, flexible suction lip



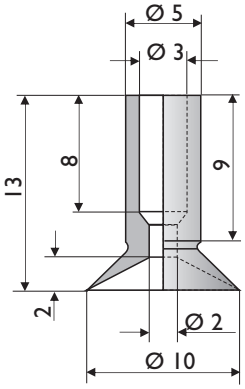
Anschlussteil/*Fitting*
AT.0536 - AG M5

Hubzylinder „VZP“ direkt aufsteckbar.
Lifting Cylinder „VZP“ attachable directly.

Art. No.: F0.010.008.*

Hub/*Stroke:* 2,0 mm
Gewicht/*Weight*: 1,0 g

* Material:
NBR schwarz/*black*
Silikon rot/*red*

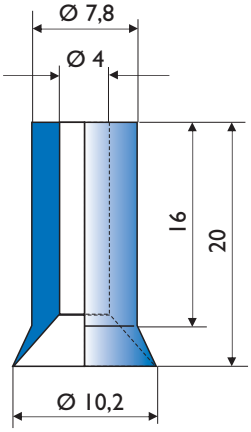


Anschlussteile/*Fittings*
AT.0022.MS - AG M5
AT.0022.Alu - AG M5

Art. No.: F0.010.014.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,8 g

*Material:
Vinyl blau/*blue* 50° Shore

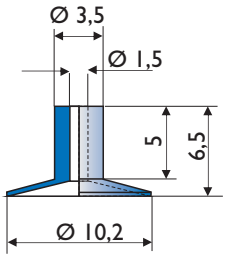


Anschlussteile/*Fittings*
AT.0134 - AG M5
AT.0705 - IG M5

Art. No.: F0.010.015.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 0,2 g

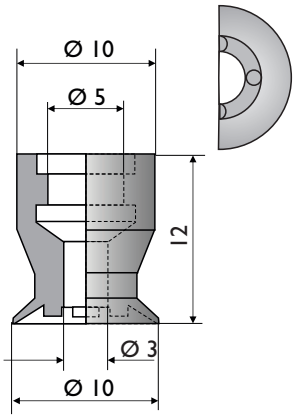
*Material:
Vinyl blau/*blue* 50° Shore



Art. No.: F0.010.009.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 0,6 g

*Material:
NBR schwarz/*black*
Silikon blau/*blue* 50° Shore

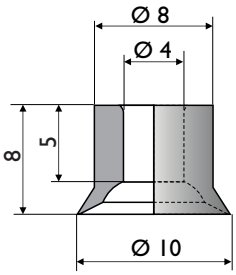


Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0095 - AG 1/8"
AT.0096 - IG 1/8"

Art. No.: F0.010.010.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 0,4 g

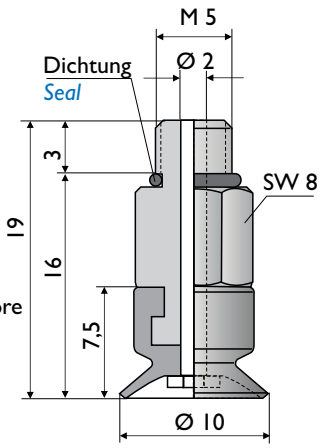
*Material:
NBR schwarz/*black*
Silikon blau/*blue* 50° Shore



Art. No.: F2.010.001.*

Hub/*Stroke*: 1,2 mm
Gewicht/*Weight*: 4,8 g

*Material:
NBR schwarz/*black* 60° Shore
auf Anfrage/*on request* 40° Shore
Silikon blau/*blue* 60° Shore
Silikon transparent 60° Shore
auf Anfrage/*on request* 40°/20° Shore

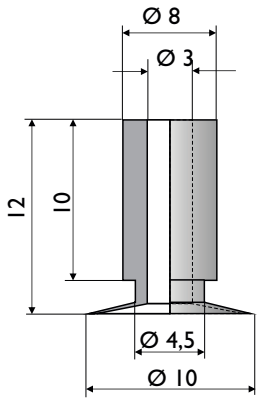


Art. No.: F0.010.016.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 0,3 g

*Material:
NBR schwarz/*black* 60° Shore
Silikon transparent 60° Shore

Anschlussteil/*Fitting*
AT.0283 - AG M5

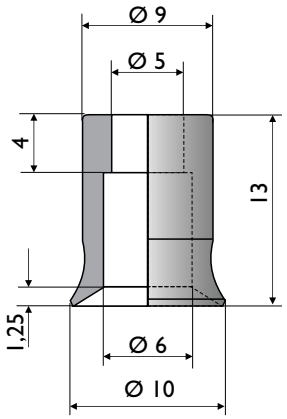


Art. No.: F0.010.017.*

Hub/*Stroke*: 1,2 mm
Gewicht/*Weight*: 0,6 g

*Material:
NBR schwarz/*black* 60° Shore
Silikon transparent 60° Shore

Anschlussteil/*Fitting*
AG M5



Vakuumflachsauger Ø 11 mm

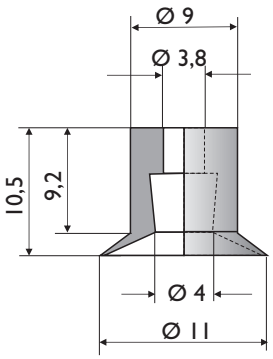
Flat Vacuum Suction Cups dia. 11 mm

Art. No.: F0.011.001.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,4 g

*Material:
NBR schwarz/*black*
CR schwarz/*black*
Silikon transparent
Silikon rot/*red*

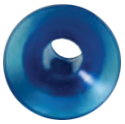
Anschlussteile/*Fittings*
AT.0134 - AG M5
AT.0104 - AG M6



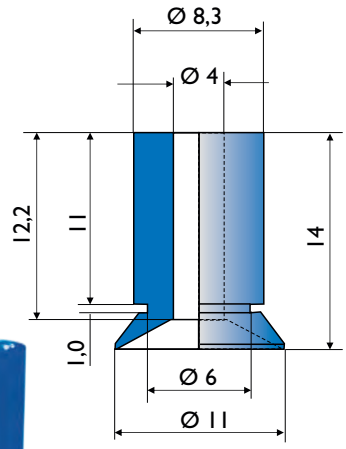
Art.No.: F0.011.002.*

Hub/*Stroke*: 1,8 mm
Gewicht/*Weight*: 0,8 g

*Material:
Vinyl blau/*blue*



Anschlussteile/*Fittings*
AT.0134 - AG M5
AT.0705 - IG M5-Alu
AT.0104 - AG M6-Alu

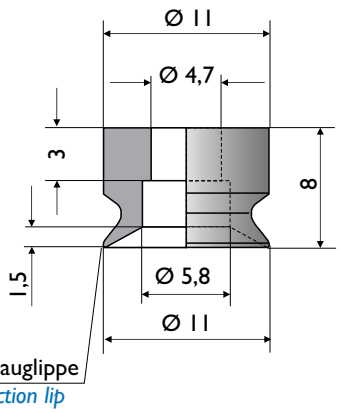


Art. No.: F0.011.003.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 0,5 g

*Material:
Silikon transparent
Silikon rot/*red*

Anschlussteil/*Fitting*
AT.0536 - AG M5

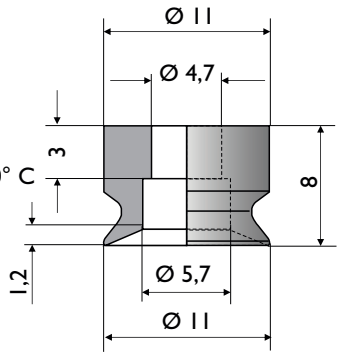


Art. No.: 01 11 08.*

Hub/*Stroke*: 1,2 mm
Gewicht/*Weight*: 0,5 g

*Material:
Silikon transparent -50° - +300° C

Anschlussteil/*Fitting*
AT.0536 - AG M5

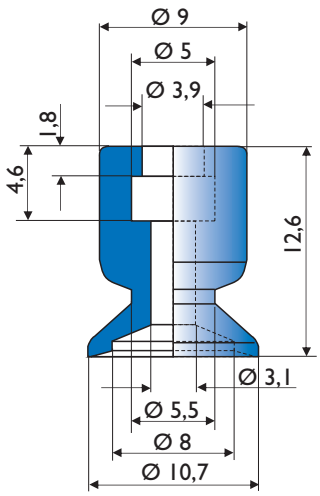


Art. No.: F0.011.005.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 0,4 g

*Material:
Vinyl blau/*blue* 50° Shore

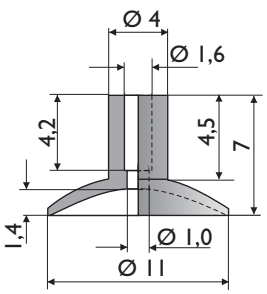
Anschlussteil/*Fitting*
AT.0536 - AG M5



Art. No.: MF.VP.011.*

Hub/*Stroke*: 1,4 mm
Gewicht/*Weight*: 0,2 g

*Material:
Silikon schwarz/*black*
antistatisch/*antistatic*
-20° - +130° C
10^6- 10^8 Ohm



Weitere Materialien (NBR, Silkon transpartent und FKM) auf Anfrage.

Other materials (NBR, Silicone transparent, FKM) on request.

Vakuumflachsauger Ø 12 mm

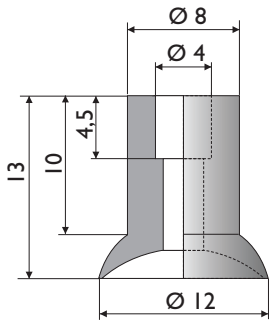
Flat Vacuum Suction Cups dia. 12 mm

Art. No.: F0.012.001.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight:* 0,5 g

*Material:
EPDM schwarz/*black*

Anschlussteile/*Fittings*
AT.0134 - AG M5
AT.0705 - IG M5

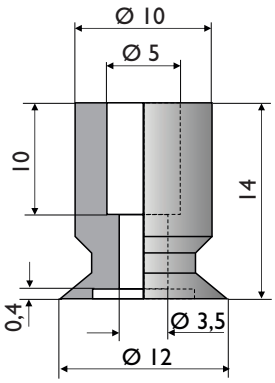


Art. No.: F0.012.003.*

Hub/*Stroke*: 0,0 mm
Gewicht/*Weight:* 0,5 g

*Material:
NBR schwarz/*black*
Silikon transparent
NR braun/*brown* 40° Shore

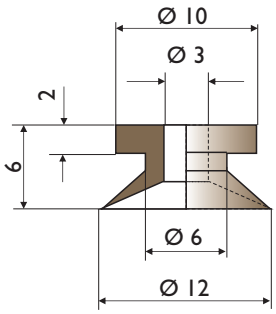
Anschlussteil/*Fitting*
AT.0613 - AG M5



Art. No.: F0.012.004.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 0,2 g

*Material:
NR braun/*brown* 40° Shore

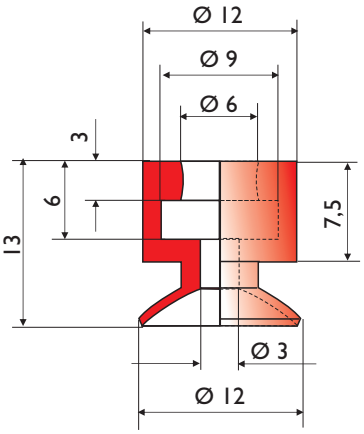


Art. No.: F0.012.005.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 1,0 g

*Material:
NR rot/*red* 40° Shore

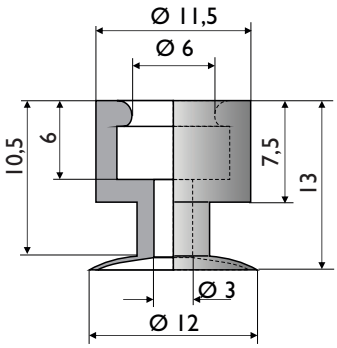
Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"



Art. No.: F0.012.007.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 1,0 g

*Material:
NBR schwarz/*black*
Silikon transparent



Vakuumflachsauger Ø 12 mm

Flat Vacuum Suction Cups dia. 12 mm

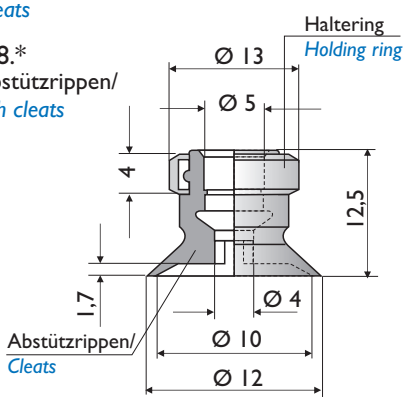
Art. No.: F0.012.008.*.Ring (Standard)
mit Haltering und Abstützrippen/
with holding ring and cleats

Art. No.: F0.012.008.*
ohne Haltering, mit Abstützrippen/
without holding ring, with cleats

Hub/*Stroke*: 1,7 mm
Gewicht/*Weight*: 2,6 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteil/*Fitting*
AT.0624 - AG M5



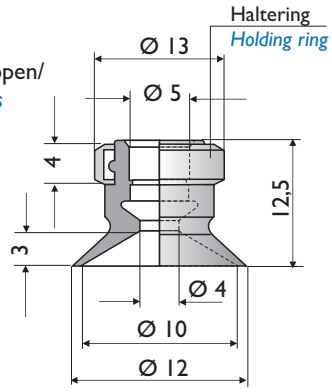
Art. No.: F0.012.009.*.Ring (Standard)
mit Haltering, ohne Abstützrippen/
with holding ring, without cleats

Art. No.: F0.012.009.*
ohne Haltering, ohne Abstützrippen/
without holding ring, without cleats

Hub/*Stroke*: 1,8 mm
Gewicht/*Weight*: 2,5 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteil/*Fitting*
AT.0624 - AG M5



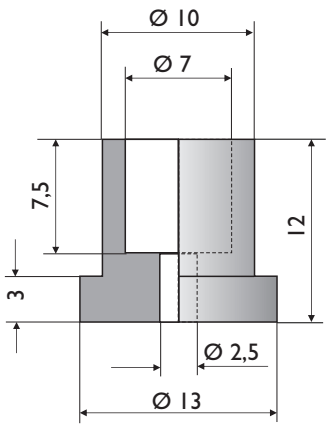
Vakuumflachsauger Ø 13 - 14 mm

Flat Vacuum Suction Cups dia. 13 - 14 mm

Art. No.: F0.013.001.*

Hub/*Stroke:* 0,0 mm
Gewicht/*Weight*: 1,0 g

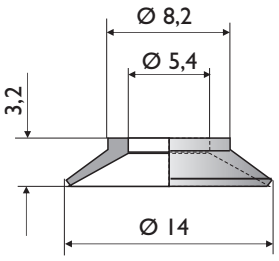
*Material:
NR schwarz/*black*
NR rot/*red* -
auf Anfrage/*on request*



Art. No.: F0.014.001.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 0,3 g

*Material:
NBR schwarz/*black*
PU blau/*blue*

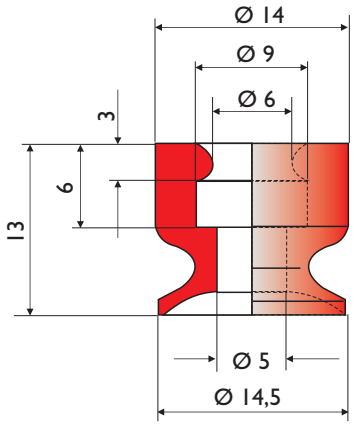


Art. No.: F0.014.002.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 1,0 g

*Material:
NR rot/*red* 40° Shore

Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"

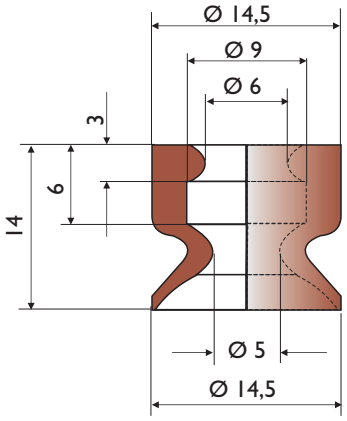


Art. No.: F0.014.003.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 1,0 g

*Material:
Vulkollan braun/*brown*
70° Shore
hochverschleissfest/
high wear resistant
hochabdruckarm/
high anti-marking

Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"

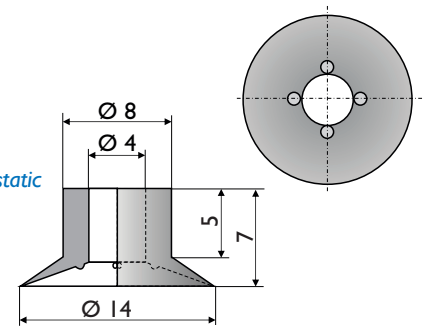


Art. No.: F0.014.004.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,4 g

*Material:
NBR schwarz/*black*
Silikon antistatisch/*antistatic*

Anschlussteil/*Fitting*
AT.0650 - AG M5

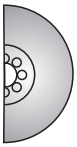


Vakuumflachsauger Ø 15 mm

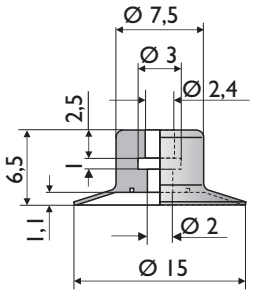
Flat Vacuum Suction Cups dia. 15 mm

Art. No.: F0.015.001.*

Hub/*Stroke*: 1,1 mm
Gewicht/*Weight*: 0,4 g



* Material:
NBR schwarz/*black* 60° Shore
Silikon transparent 50° Shore
Fluorsilikon rot/*red* 40° Shore



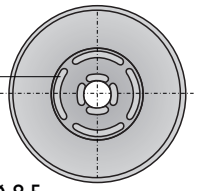
Anschlussteile/*Fittings*
AT.0283 - AG M5
AT.0111 - AG M4

- Vorteil: sehr dünne Sauglippe
  Advantage: very thin suction lip

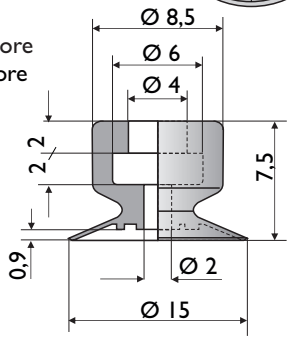
Art. No.: F0.015.012.*

Hub/*Stroke*: 0,9 mm
Gewicht/*Weight*: 0,5 g

Abstützknoppen
positionsstabil
Cleats, position stable



*Material:
NBR schwarz/*black* 40°/60° Shore
Silikon transparent 40°/60° Shore

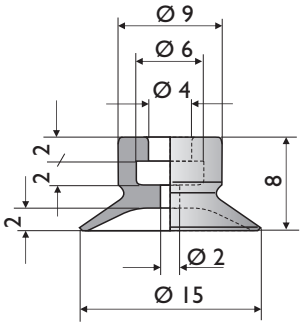


Anschlussteile/*Fittings*
AT.0283 - AG M5
AT.0111 - AG M4

Art. No.: F0.015.002.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 0,5 g

* Material:
NBR schwarz/*black*
Silikon transparent

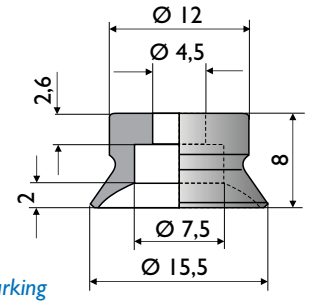


Anschlussteile/*Fittings*
AT.0536 - AG M5 = SH 3,5
AT.0650 - AG M5 = SH 5.0

Art. No.: F0.015.003.*

Hub/*Stroke*: 1,6 mm
Gewicht/*Weight*: 0,6 g

* Material:
NBR schwarz/*black*
Silikon transparent
Polyurethan blau/*blue*



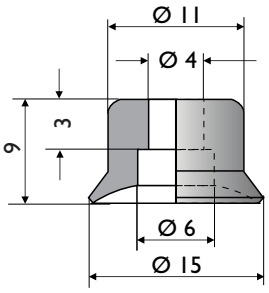
Art.No.; F0.015.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C

Anschlussteil/*Fitting*
AT.0536 - AG M5

Art. No.: F0.015.004.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 1,2 g

*Material:
NBR schwarz/*black*
Silikon transparent
Silikon schwarz/*black*
antistatisch/*antistatic*
Polyurethan blau/*blue*
FKM (Viton®) grau/*grey*

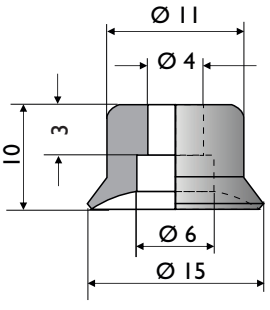


Anschlussteile/*Fittings*
AT.0536 - AG M5
AT.0039 - AG M4

Art. No.: F0.015.013.*

Hub/*Stroke:* 2,8 mm
Gewicht/*Weight*: 2,0 g

*Material:
NBR schwarz/*black*
Silikon transparent
Polyurethan blau/*blue*
FKM (Viton®) grau/*grey*



Anschlussteile/*Fittings*
AT.0536 - AG M5
AT.0039 - AG M4

Vakuumflachsauger Ø 15 mm

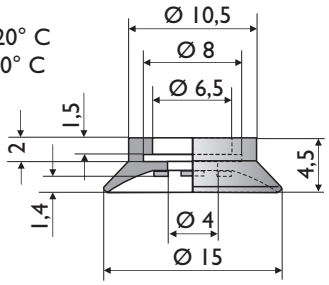
Flat Vacuum Suction Cups dia. 15 mm

Art. No.: F0.015.010.*

Hub/*Stroke*: 1,4 mm
Gewicht/*Weight*: 0,2 g

*Material:
NBR schwarz/*black* -25 - +120° C
Silikon transparent -60 - +250° C

Anschlussteile/*Fittings*
AT.0382 - IG M5
AT.0715 - IG M5

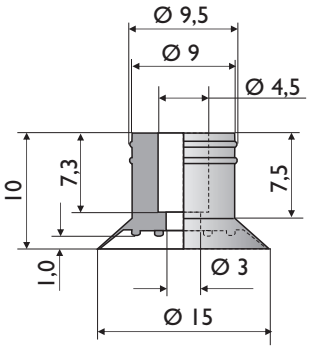


Art. No: F0.015.006.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,6 g

*Material:
Silikon tranparent
Silikon blau/*blue*
NBR schwarz/*black*
NR braun/*brown* 40° Shore

Anschlussteile/*Fittings*
AT.0134 - AG M5
AT.0104 - AG M6
AT.0705 - IG M5
00 08 03 - AG 1/8"

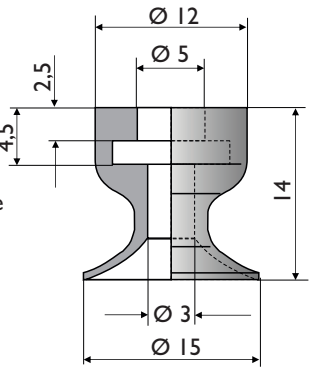


Art. No.: F0.015.007.*

Hub/*Stroke*: 2,4 mm
Gewicht/*Weight*: 1,0 g

*Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
Silikon schwarz/*black* 50° Shore
antistatisch/*antistatic*
Fluorsilikon rot/*red* 40° Shore

Anschlussteil/*Fitting*
AT.0536 - AG M5



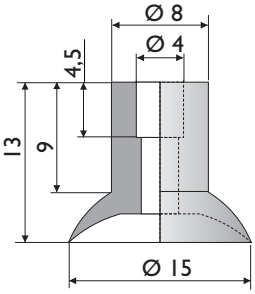
Hubzylinder „VZP“ direkt aufsteckbar,
siehe Seite 509.
Lifting Cylinder „VZP“ attachable directly,
see page 509.

Art. No: F0.015.005.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 0,6 g

*Material:
EPDM schwarz/*black*

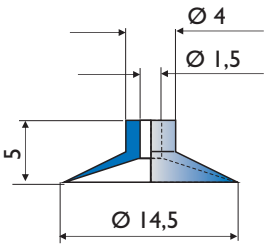
Anschlussteile/*Fittings*
AT.0134 - AG M5
AT.0705 - IG M5



Art. No.: F0.015.009.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,5 g

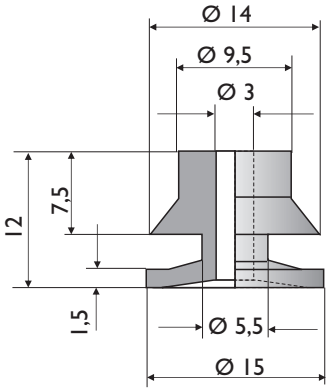
*Material:
Vinyl blau/*blue*



Art. No.: F0.015.008.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 1,0 g

*Material:
NR schwarz/*black*



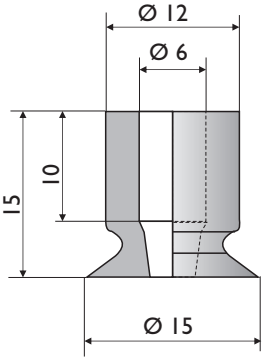
Vakuumflachsauger Ø 15 mm

Flat Vacuum Suction Cups dia. 15 mm

Art. No.: 01 15 15.*

Hub/*Stroke*: 0,0 mm
Gewicht/*Weight*: 1,1 g

*Material:
NR schwarz/*black* 50° Shore
Silikon transparent 45° Shore
-50° - +300° C

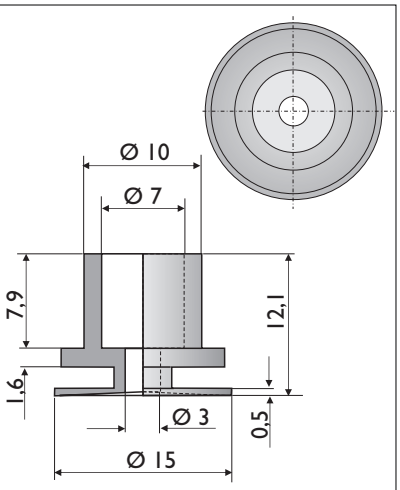


Art. No.: F0.015.011.*

Hub/*Stroke:* 0,0 mm
Gewicht/*Weight*: 1,0 g

*Material:
NR schwarz/*black*

Auf Anfrage/*on request*
Naturgummi rot/*red*



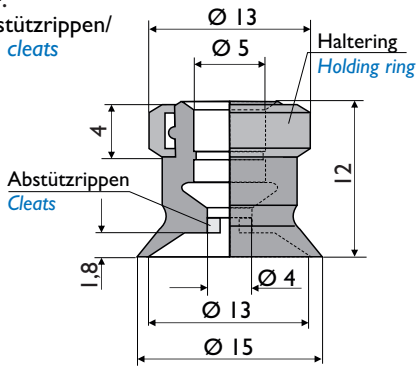
Art. No.: F0.015.014.*.Ring (Standard)
mit Haltering und Abstützrippen/
with holding ring and cleats

Art. No.: F0.015.014.*
ohne Haltering, mit Abstützrippen/
without holding ring, with cleats

Hub/*Stroke*: 1,8 mm
Gewicht/*Weight*: 2,5 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteil/*Fitting*
AT.0624 - AG M5



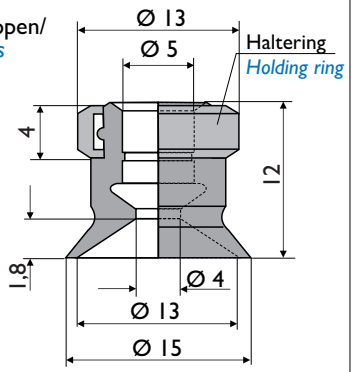
Art. No.: F0.015.015.*.Ring (Standard)
mit Haltering, ohne Abstützrippen/
with holding ring, without cleats

Art. No.: F0.015.015.*
ohne Haltering, ohne Abstützrippen/
without holding ring, without cleats

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 2,4 g

*Material:
NBR schwarz/*black*
Silikon transparent

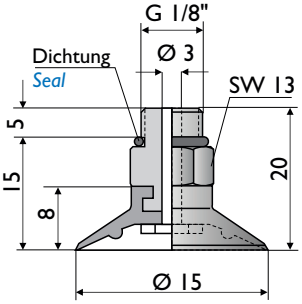
Anschlussteil/*Fitting*
AT.0624 - AG M5



Art. No.: F2.015.001.*

Hub/*Stroke*: 1,2 mm
Gewicht/*Weight*: 2,5 g

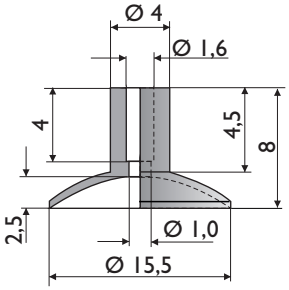
*Material:
NBR schwarz/*black* 60° Shore
Auf Anfrage/*on request* 40° Shore
Silikon blau/*blue* 60° Shore



Art. No.: MF.VP.015.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 3,0 g

*Material:
Silikon schwarz/*black*
antistatisch/*antistatic*
-20° - +130° C
10^6- 10^8 Ohm



Andere Materialien (NBR, Silikon transparent, FKM) auf Anfrage.
Other materials (NBR, Silicone transparent, FKM)on request.

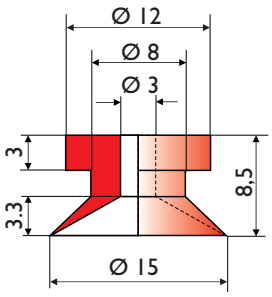
Vakuumflachsauger Ø 15 mm

Flat Vacuum Suction Cups dia. 15 mm

Art. No.: F0.015.016.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 0,6 g

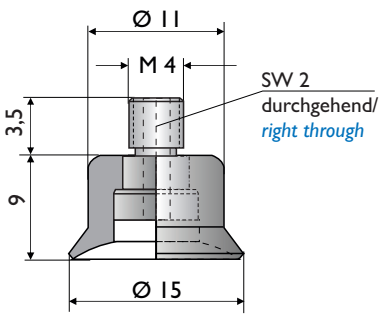
*Material:
Silikon rot/red 55° Shore



Art. No.: F2.015.002.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 1,7 g

*Material:
NBR schwarz/*black*
Silikon transparent
Silikon schwarz/*black*
antistatisch/*antistatic*
Polyurethan blau/*blue*
FKM (Viton®) grau/*grey*



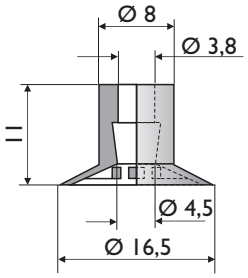
Vakuumflachsauger Ø 16 mm

Flat Vacuum Suction Cups dia. 16 mm

Art. No.: F0.016.018.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,8 g

*Material:
NBR schwarz/*black* 50° Shore
CR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
Silikon rot/*red* 50° Shore
Silikon schwarz/*black*
antistatisch/*antistatic*
Polyurethan blau/*blue* 50 Shore
Polyurethan transparent 75° Shore



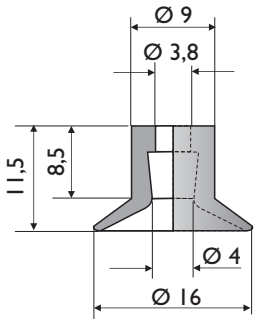
Anschlussteile/*Fittings*
AT.0705 - IG M5
AT.00 08 03 - AG 1/8"
AT.0104 - AG M6
AT.0134 - AG M5

Art. No.: F0.016.017.*

*Material:
CR schwarz/*black*
Silikon transparent

Art. No.: F0.016.019.*
*Material:
NBR schwarz/*black*
Silikon rot/*red*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 0,8 g

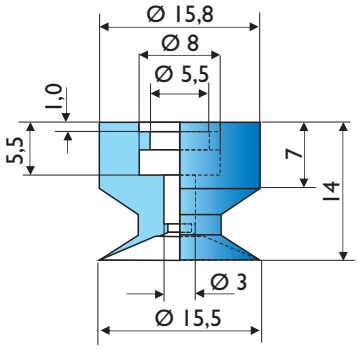


Anschlussteile/*Fittings*
AT.0705 - IG M5
AT.00 08 03 - AG 1/8"
AT.0104 - AG M6
AT.0134 - AG M5

Art. No.: F0.016.006.*

Hub/*Stroke:* 2 ,0 mm
Gewicht/*Weight:* 2,0 g

*Material:
Polyurethan blau/*blue*



Anschlussteile/*Fittings*
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"
AT.0137 - AG M5

Passend für diesen Spezialflachsauger:
Vakuum-Hubzylinder „VZP.T“ druckluftbetrieben (siehe Seite 509).

Suitable for this Special Flat Suction Cup:
Vacuum Lifting Cylinder „VZP.T“ pneumatically operated (see page 509).

Spezialeinsatz:
- Kunststoffindustrie
- Dünne Bleche
- Verpackungsindustrie
- Glas-Optik-Pharma-Industrie

Vorteile:
- Keine sichtbaren Abdrücke nach dem Handling!
- Hohe Verschleißfestigkeit
- Hohe Elastizität
- Gute Mineralöl- und Ozonbeständigkeit

Material:
- Spezial-Polyurethan 70° Shore A (blau)
- Temperaturbeständigkeit: -20° C - +80° C

Weitere Materialien auf Anfrage.

Special use:
- *Plastic industry*
- *Thin metal sheets*
- *Packaging industry*
- *Glass-Optik-Pharma-Industry*

Advantages:
- *No visible prints after the handling!*
- *High wear-resistance*
- *High elasticity*
- *Good mineral oil and ozone resistance*

Material:
- *Special material: Polyurethane 70 ° Shore A (blue)*
- *Temperature resistance: -20° C - +80° C*

Other materials on request.

Vakuumflachsauger Ø 16 mm

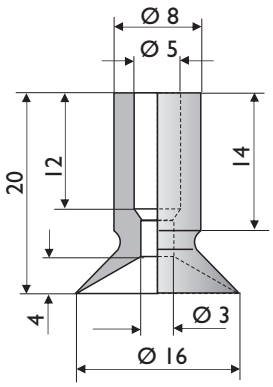
Flat Vacuum Suction Cups dia. 16 mm

Art. No.: F0.016.003.*

Hub/*Stroke:* 4 mm
Gewicht/*Weight*: 1,5 g

* Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
AT.0613 - AG M5
AT.0238 - AG 1/8"

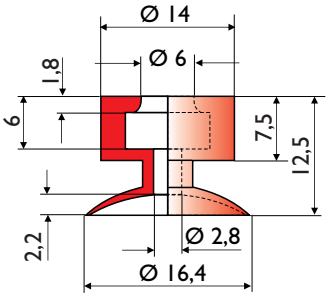


Art. No.: F0.016.016.*

Hub/*Stroke:* 2,2 mm
Gewicht/*Weight*: 1,2 g

* Material:
Silikon rot/*red* 40° Shore

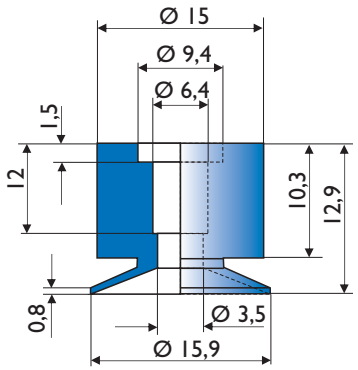
Anschlussteil/*Fitting*
AT.0200 - AG M5



Art. No.: F0.016.021.*

Hub/*Stroke:* 1,0 mm
Gewicht/*Weight*: 1,8 g

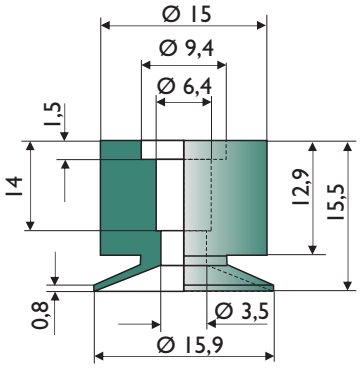
* Material:
Vinyl blau/*blue*



Art. No.: F0.016.015.*

Hub/*Stroke:* 1,0 mm
Gewicht/*Weight*: 2,9 g

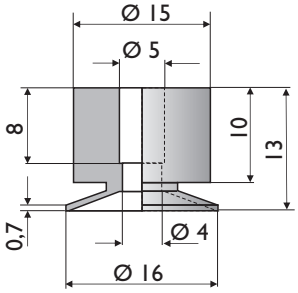
* Material:
Vinyl grün/*green*



Art. No.: F0.016.001.*

Hub/*Stroke:* 1,0 mm
Gewicht/*Weight:* 2,4 g

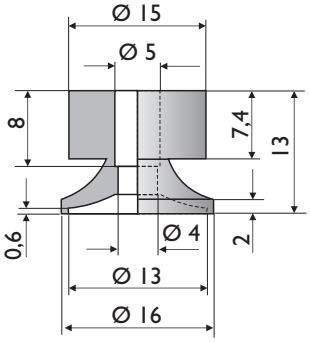
* Material:
NR schwarz/*black* 40° Shore



Art. No.: F0.016.002.*

Hub/*Stroke:* 1,0 mm
Gewicht/*Weight:* 2,3 g

* Material:
NR schwarz/*black* 40° Shore



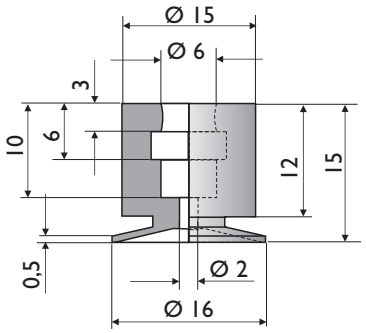
Vakuumflachsauger Ø 16 mm

Flat Vacuum Suction Cups dia. 16 mm

Art. No.: F0.016.007.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 2,5 g

* Material:
NR grau/*grey* 40° Shore

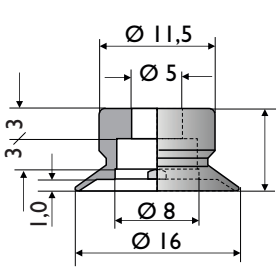


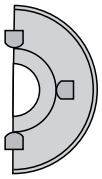
Art. No.: F0.016.004.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,5 g

* Material:
NBR schwarz/*black*
Silikon transparent
Silikon schwarz/*black*
antistatisch/*antistatic*

Anschlussteil/*Fitting*
AT.0536 - AG M5





Art. No.: F0.016.005.*

Spezialeinsatz:
- Dünne Folien
- Dünnstglas

Vorteile:
- Keine Verformung der angesaugten Teile

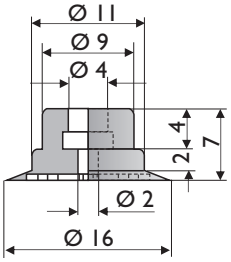
Special Use:
- *Thin foils*
- *Thinnest glass*

Advantages:
- *No deformation of sucked parts*

Hub/*Stroke*: 0,0 mm
Gewicht/*Weight*: 0,8 g

* Material:
Silikon schwarz/*black*
antistatisch/*antistatic*

Anschlussteil/*Fitting*
AT.0536 - AG M5

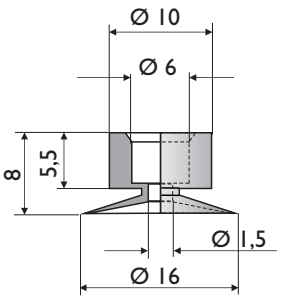


Weitere Materialien auf Anfrage/
Other materials on request

Art. No.: F0.016.012.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 0,4 g

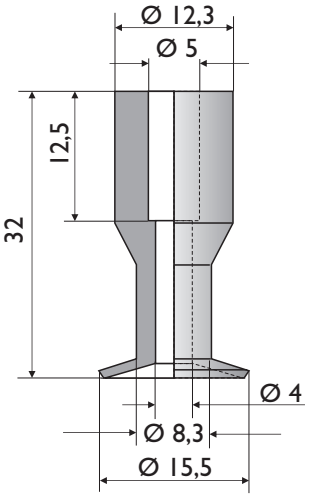
*Material:
NR grau/*grey* 40° Shore



Art. No.: F0.016.014.*

Hub/*Stroke*: 0,8 mm
Gewicht/*Weight*: 3,0 g

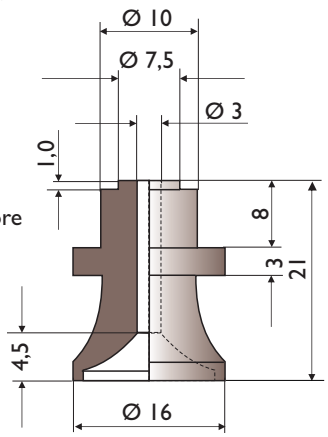
*Material:
NR schwarz/*black* 40° Shore



Art. No.: F0.016.011.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 1,6 g

*Material:
NR braun/*brown* 40° Shore



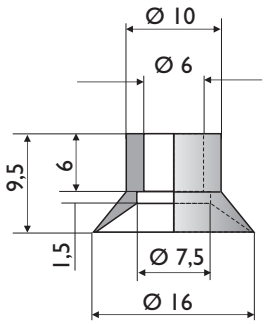
Vakuumflachsauger Ø 16 mm

Flat Vacuum Suction Cups dia. 16 mm

Art. No.: F0.016.008.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 0,4 g

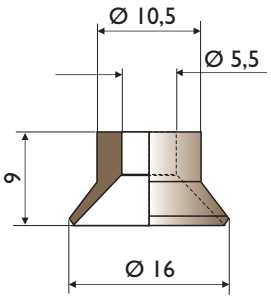
*Material:
NR grau/*grey* 40° Shore



Art. No.: F0.016.009.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 0,4 g

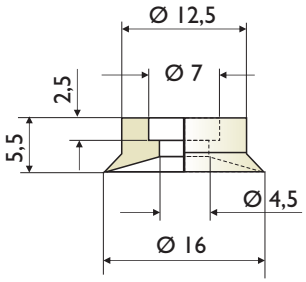
*Material:
NR braun/*brown* 40° Shore



Art. No.: F0.016.010.*

Hub/*Stroke*: 0,3 mm
Gewicht/*Weight*: 0,4 g

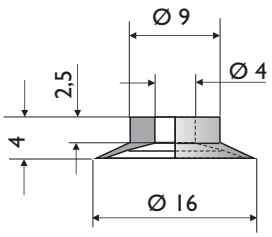
*Material:
NR beige 40° Shore



Art. No.: F0.016.013.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 0,8 g

*Material:
NR weiss/*white* 40° Shore



Vakuumflachsauger Ø 17 mm

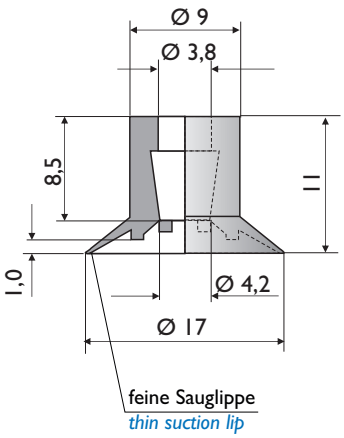
Flat Vacuum Suction Cups dia. 17 mm

Art. No.: 01 17 12.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,8 g

*Material:
NBR schwarz/*black*
NR schwarz/*black*
Silikon transparent
-50° - +300° C

Anschlussteile/*Fittings*
AT.0134 - AG M5
AT.0104 - AG M6
00 08 06 - AG M5
AT.0705 - IG M5
00 08 03 - AG 1/8"

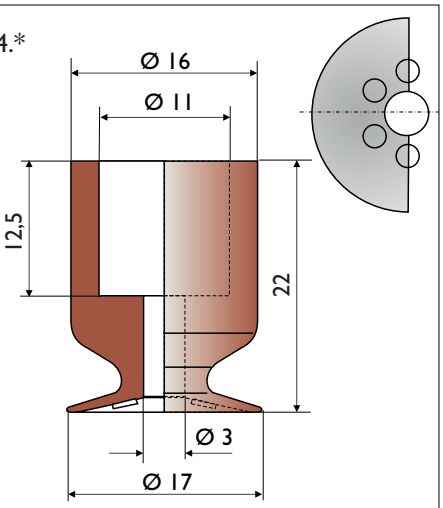


Art. No.: F0.017.004.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 2,4 g

*Material:
Vulkollan braun/*brown*
70° Shore
hochverschleissfest/
high wear resistant
hochabdruckarm/
high anti-marking

Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"

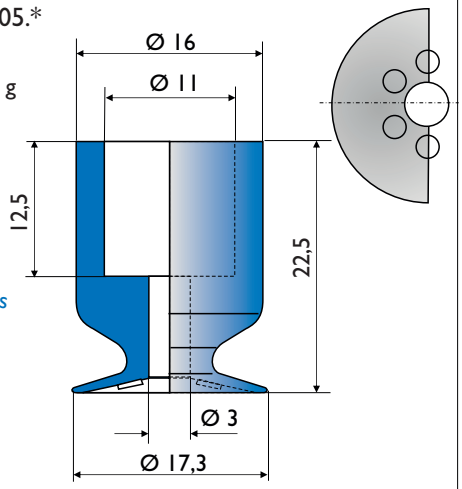


Art. No.: F0.017.005.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 2,9 g

*Material:
Silikon blau/*blue*
70° Shore

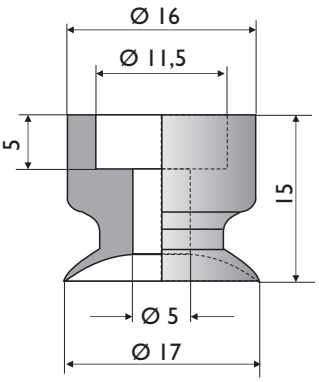
Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"



Art. No.: F0.017.003.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 2,0 g

*Material:
NR schwarz/*black* 50° Shore

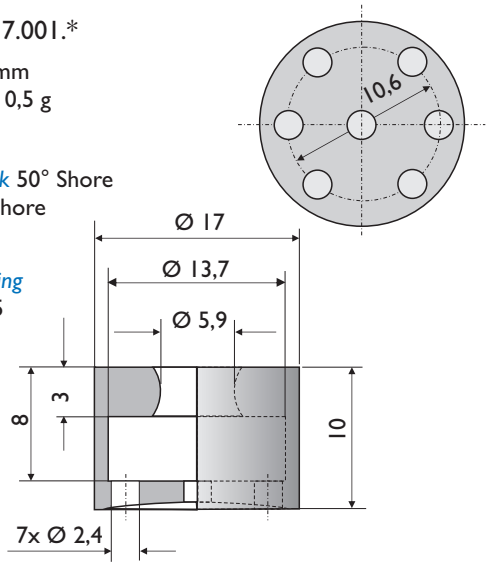


Art. No.: F0.017.001.*

Hub/*Stroke*: 0,0 mm
Gewicht/*Weight*: 0,5 g

*Material:
NR schwarz/*black* 50° Shore
NR rot/*red* 40° Shore

Anschlussteil/*Fitting*
AT.0200 - AG M5



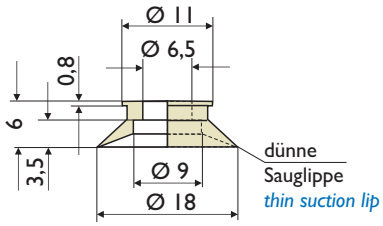
Vakuumflachsauger Ø 18 mm

Flat Vacuum Suction Cups dia. 18 mm

Art. No.: F0.018.001.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,2 g

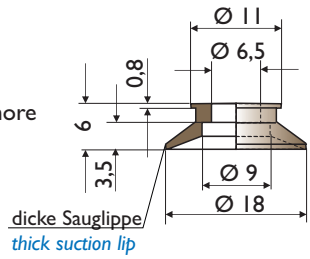
*Material:
NR beige 40° Shore



Art. No.: F0.018.001.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 0,2 g

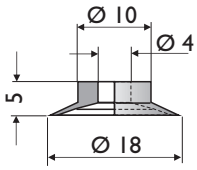
*Material:
NR braun/*brown* 40° Shore



Art. No.: F0.018.005.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,2 g

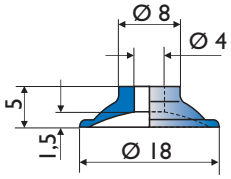
*Material:
NR schwarz/*black*



Art. No.: F0.018.006.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 0,4 g

*Material:
Vinyl blau/*blue*

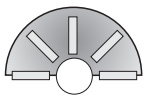


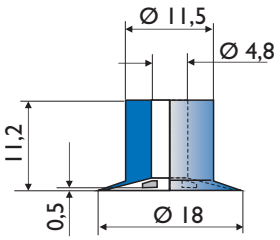
Art. No.: F0.018.007.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 1,3 g

*Material:
Vinyl blau/*blue*

Anschlussteile/*Fittings*
AT.0613 - AG M5
AT.0104 - AG M6
AT.0003 - AG G1/8"
AT.0615 - IG G1/8"



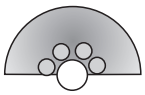


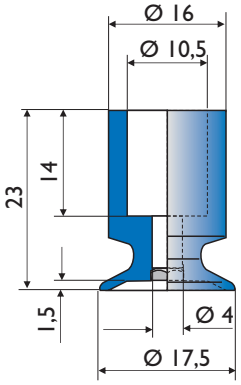
Art. No.: F0.018.008.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 2,9 g

*Material:
Vinyl blau/*blue*

Anschlussteile/*Fittings*
AT.0723 - AG G1/8"
AT.0603 - AG G1/4"





Vakuumflachsauger Ø 18 mm

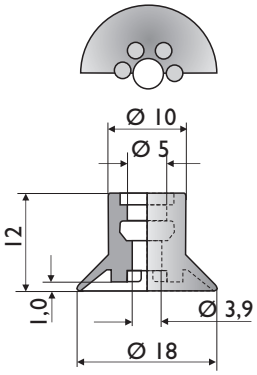
Flat Vacuum Suction Cups dia. 18 mm

Art. No.: F0.018.004.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 1,0 g

*Material:
Silikon blau/*blue*
NBR schwarz/*black*

Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0095 - AG G1/8"
AT.0096 - IG G1/8"

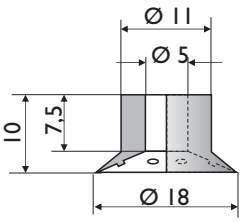


Art. No.: 01 18 12.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 2,0 g

*Material:
NR schwarz/*black*
NBR schwarz/*black*
Silikon transparent +300° C

Anschlussteile/*Fittings*
AT.0613 - AG M5

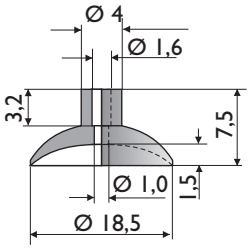


Art. No.: MF.VP.018

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 3,0 g

*Material:
Silikon schwarz/*black*
antistatisch/*antistatic* -20° - +130° C
10^6 - 10^8 Ohm

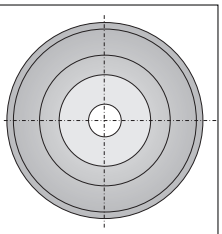
Andere Materialien (NBR,
Silikon transparent, FKM) auf Anfrage.
Other materials (NBR, Silicone transparent, FKM)on request.

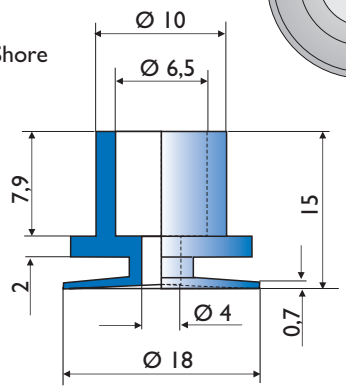


Art. No.: F0.018.011.*

Hub/*Stroke:* 1,0 mm
Gewicht/*Weight*: 1,2 g

*Material:
NR blau/*blue* 50° Shore



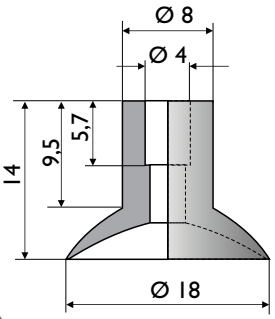


Art. No.: F0.018.003.*

Hub/*Stroke:* 3,5 mm
Gewicht/*Weight*: 0,8 g

*Material:
EPDM schwarz/*black*

Anschlussteile/*Fittings*
AT.0134 - AG M5
AT.0705 - IG M5



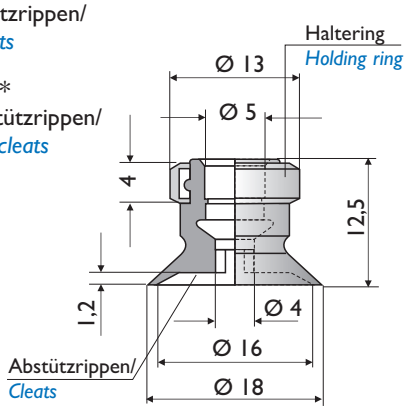
Art. No.: F0.018.009.*.Ring (Standard)
mit Haltering und Abstützrippen/
with holding ring and cleats

Art. No.: F0.018.009.*
ohne Haltering, mit Abstützrippen/
without holding ring, with cleats

Hub/*Stroke*: 1,2 mm
Gewicht/*Weight*: 2,7 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteil/*Fitting*
AT.0624 - AG M5



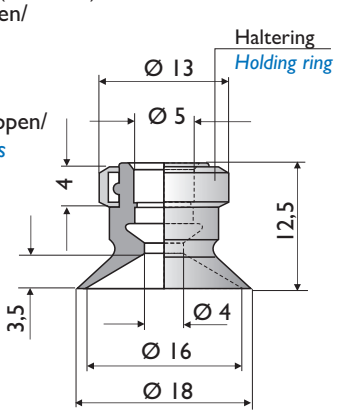
Art. No.: F0.018.010.*.Ring (Standard)
mit Haltering ohne Abstützrippen/
with holding ring, without cleats

Art. No.: F0.018.010.*
ohne Haltering, ohne Abstützrippen/
without holding ring, without cleats

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 2,6 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteil/*Fitting*
AT.0624 - AG M5



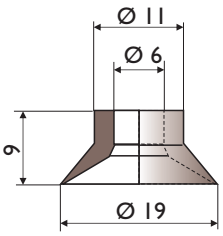
Vakuumflachsauger Ø 19 mm

Flat Vacuum Suction Cups dia. 19 mm

Art. No.: F0.019.001.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 1,1 g

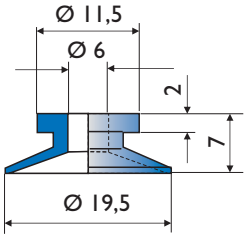
*Material:
NR braun/*brown* 40° Shore
Silikon transparent



Art. No.: F0.019.002.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 0,5 g

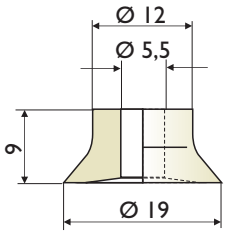
*Material:
Vinyl blau/*blue*



Art. No.: F0.019.003.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 1,2 g

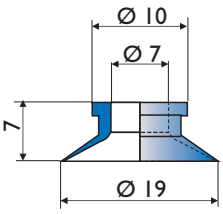
*Material:
NR beige 40° Shore



Art. No.: F0.019.004.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 1,0 g

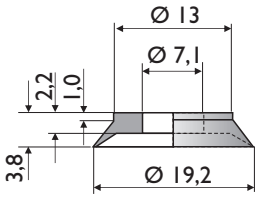
*Material:
NR braun/*brown* 40° Shore



Art. No.: F0.019.005.*

Hub/*Stroke*: 1,6 mm
Gewicht/*Weight*: 0,5 g

*Material:
NR blau/*blue* 40° Shore
PU rot/*red*

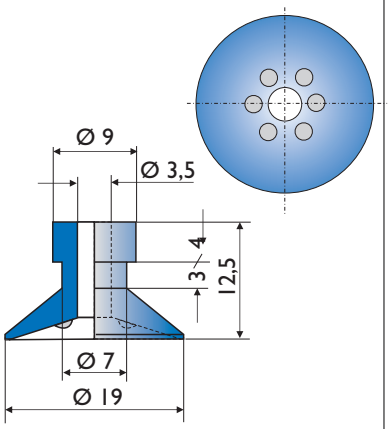


Art. No.: F0.019.006.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 1,2 g

*Material:
Vinyl blau/*blue*

Anschlussteile/*Fittings*
AT.0134 - AG M5
AT.0705 - IG M5
AT.0104 - AG M6

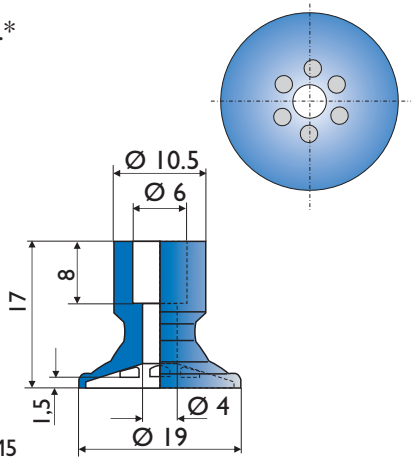


Art. No.: F0.019.007.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 1,2 g

*Material:
Vinyl blau/*blue*

Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238 - AG 1/8"/IG M5



Vakuumflachsauger Ø 20 mm

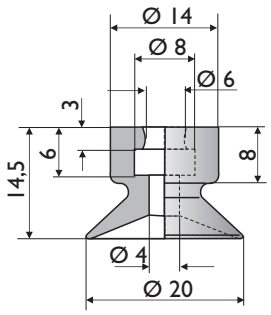
Flat Vacuum Suction Cups dia. 20 mm

Art. No.: F0.020.004.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 2,0 g

*Material:
NR rot/*red* 40° Shore
NR schwarz/*black*

Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"

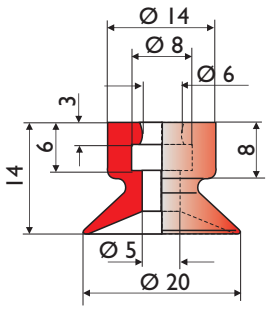


Art. No.: F0.020.005.*../21

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 2,0 g

*Material:
NR rot/*red* 40° Shore

Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"

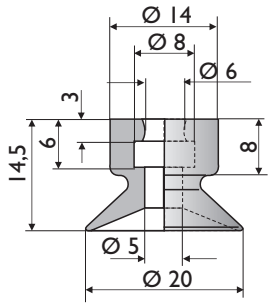


Art. No.: F0.020.005.*../27

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 2,0 g

*Material:
NR rot/*red* 40° Shore
NR schwarz/*black*

Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"

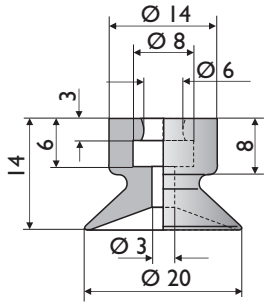


Art. No.: F0.020.013.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 2,0 g

*Material:
NR rot/*red* 40° Shore
NR schwarz/*black*

Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"

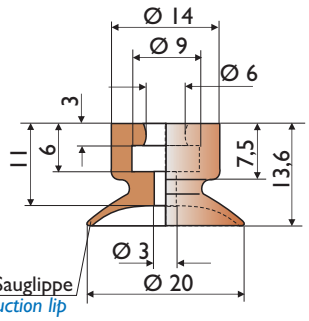


Art. No.: F0.020.002.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 1,2 g

*Material:
Vulkollan braun/*brown*
70° Shore
hochverschleissfest/
high wear resistant
hochabdruckarm/
high anti-marking

Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"



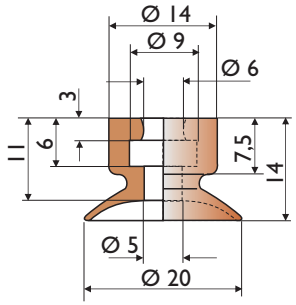
dicke Sauglippe
thick suction lip
0,8 mm

Art. No.: F0.020.003.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 1,2 g

*Material:
Vulkollan braun/*brown*
70° Shore
hochverschleissfest/
high wear resistant
hochabdruckarm/
high anti-marking

Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"

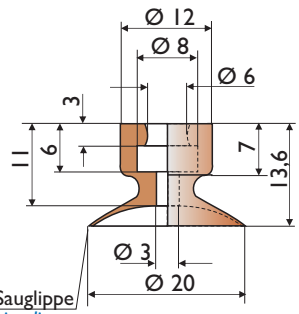


Art. No.: F0.020.008.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 1,2 g

*Material:
Vulkollan braun/*brown*
70° Shore
hochverschleissfest/
high wear resistant
hochabdruckarm/
high anti-marking

Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"



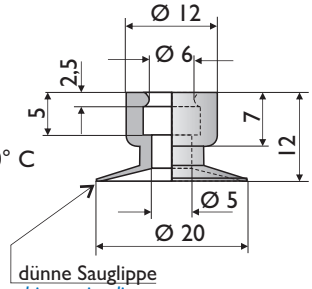
dünne Sauglippe
thin suction lip
0,5 mm

Art. No.: 01 20 12.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 1,5 g

*Material:
NR schwarz/*black*
NBR schwarz/*black*
Silikon transparent -50° - +300° C

Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"



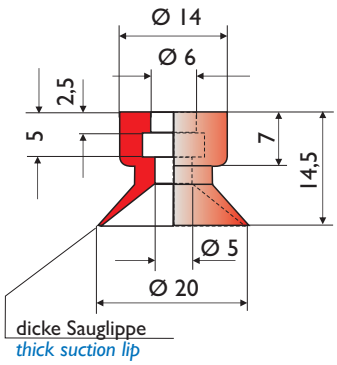
dünne Sauglippe
thin suction lip

Art. No.: 01 20 14.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 1,5 g

*Material:
NR rot/*red* 40° Shore

Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"

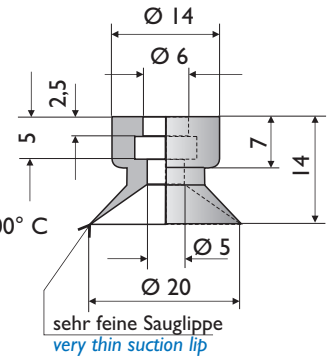


Art. No.: 01 20 15.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 1,5 g

*Material:
NR schwarz/*black*
NBR schwarz/*black*
Silikon transparent -50° - +300° C

Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"

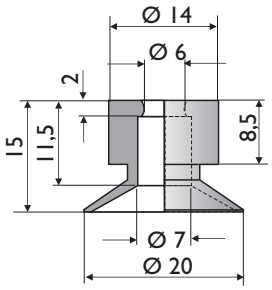


Art. No.: F0.020.009.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 2,0 g

*Material:
Vinyl transparent

Anschlussteile/*Fittings*
AT.0200 - AG M5
AT.0567-4 - AG 1/8"

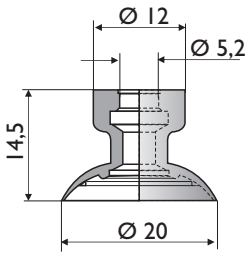


Art. No.: F0.020.016.*

Hub/*Stroke*: 4,5 mm
Gewicht/*Weight*: 1,2 g

*Material:
NR schwarz/*black*

Anschlussteil/*Fitting*
AT.0200 - AG M5

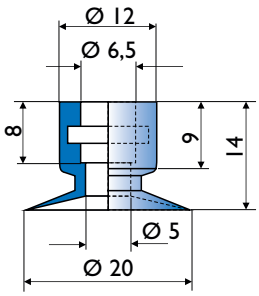


Art.No.: F0.020.028.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 1,5 g

*Material:
Vinyl blau/*blue*

Anschlussteile/*Fittings*
AT.0702- AG M5
AT.0238 - AG 1/8"
AT.0109 - IG 1/8"

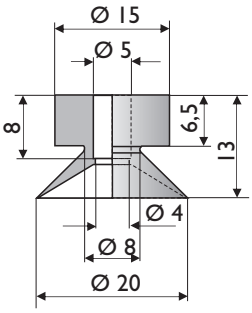


Art. No.: F0.020.006.*

Hub/*Stroke:* 4,0 mm
Gewicht/*Weight:* 2,1 g

*Material:
NR schwarz/*black*

Anschlussteil/*Fitting*
AT.0624 - AG M5



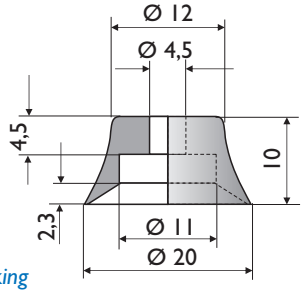
Art. No.: F0.020.001.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 1,2 g

*Material:
NBR schwarz/*black*
Silikon transparent
PUR blau/*blue*

Art.No.; F0.020.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C

Anschlussteile/*Fittings*
AT.0311 - AG M5
AT.0312 - AG M6
AT.0006 - AG 1/8"

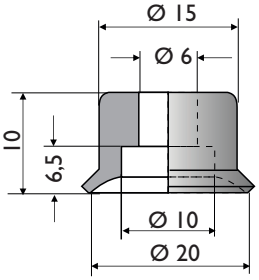


Art. No.: F0.020.022.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 1,5 g

*Material:
NBR schwarz/*black*
Silikon transparent
PUR blau/*blue*
FKM grau/*grey*
Silikon schwarz/*black*
antistatisch/*antistatic*

Anschlussteile/*Fittings*
AT.0094 - M5 AG
AT.0312 - M6 AG



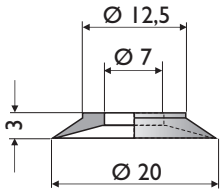
Vakuumflachsauger Ø 20 mm

Flat Vacuum Suction Cups dia. 20 mm

Art. No.: F0.020.026.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,1 g

*Material:
NBR schwarz/*black*

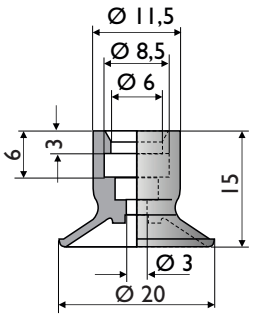


Art. No.: F0.020.020.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 2,0 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"

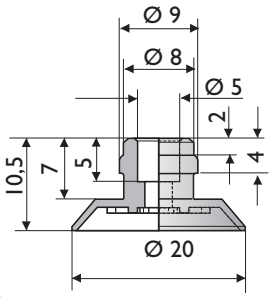


Art. No.: F0.020.014.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 0,7 g

* Material:
Silikon schwarz/*black*
antistatisch/*antistatic*
Silikon transparent
NBR schwarz/*black*

Anschlussteil/*Fitting*
AT.0613 - AG M5

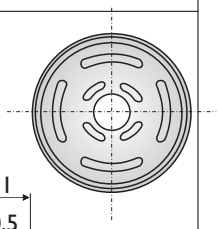


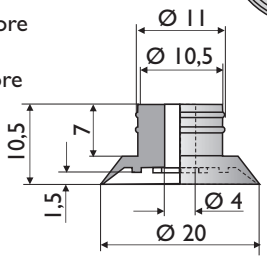
Art. No.: F0.020.029.*

Hub/*Stroke:* 1,5 mm
Gewicht/*Weight*: 0,7 g

*Material:
NBR schwarz/*black* 60° Shore
NR braun/*brown* 40° Shore
Silikon transparent 55° Shore

Anschlussteile/*Fittings*
AT.0134 - AG M5
AT.0104 - AG M6
AT.0705 - IG M5
AT.0009 - AG 1/8"



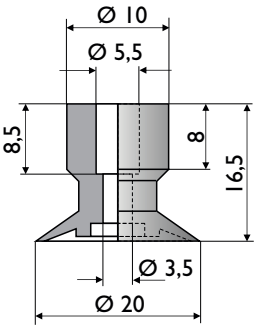


Art. No.: F0.020.015.*

Hub/*Stroke*: 0,8 mm
Gewicht/*Weight*: 1,2 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
AT.0537 - AG M5
AT.0238 - AG 1/8"

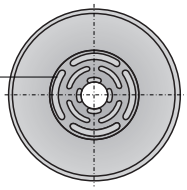


● sehr hohe Haltekraft
very strong holding power

Art. No.: F0.020.030.*

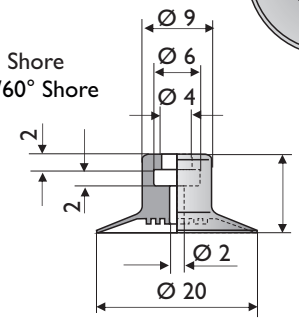
Hub/*Stroke*: 1,2 mm
Gewicht/*Weight*: 0,7 g

Abstützknoppen, positionsstabil
Cleats, position stable



*Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 40°/60° Shore

Anschlussteile/*Fittings*
AT.0283 - AG M5
AT.0111 - AG M4



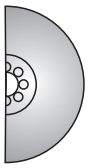
Art. No.: F0.020.024.*

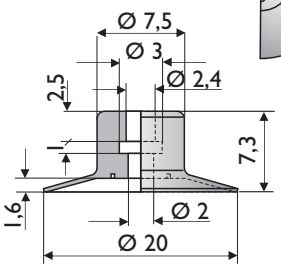
Hub/*Stroke*: 1,6 mm
Gewicht/*Weight*: 0,5 g

* Material:
NBR schwarz/*black* 60° Shore
Fluorsilikon rot/*red* 40° Shore

Vorteil: sehr dünne Sauglippe
Advantage: very thin suction lip

Anschlussteile/*Fittings*
AT.0283 - AG M5
AT.0111 - AG M4





Vakuumflachsauger Ø 20 mm

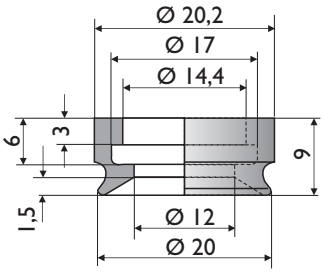
Flat Vacuum Suction Cups dia. 20 mm

Art. No.: F0.020.027.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 1,0 g

* Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteil/*Fitting*
AT.0233 - IG 1/8"



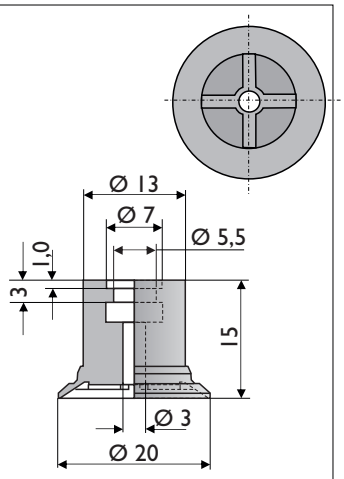
Art. No.: F0.020.007.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 2,0 g

* Material:
NBR schwarz/*black* 40° Shore
Silikon transparent 30° Shore
Silikon rot/*red* 60° Shore

Weitere Materialien auf Anfrage.
Other materials on request.

Anschlussteile/*Fittings*
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"
AT.0137 - AG M5(SH=5)
AT.0637 - AG M5 (SH=15)

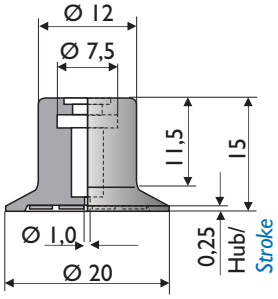


Art. No.: SV.020.002.*

Hub/*Stroke*: 0,25 mm
Gewicht/*Weight*: 2,0 g

*Material:
NR orange 40° Shore
Silikon transparent

Anschlussteile/*Fittings*
AT.0137 - AG M5
AT.0085 - AG 1/8"
AT.0086 - IG 1/8"

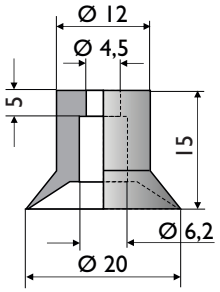


Art. No.: F0.020.023.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 2,0 g

*Material:
NBR schwarz/*black*
Silikon transparent
Silikon antistatisch/*antistatic*

Anschlussteile/*Fittings*
AT.0613 - AG M5
AT.0003 - AG 1/8"

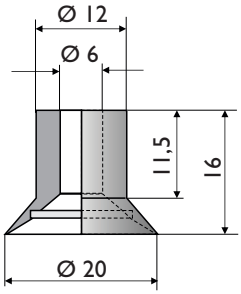


Art. No.: F0.020.017.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 1,5 g

*Material:
NR braun/*brown* 40° Shore
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238 - AG 1/8"/IG M5

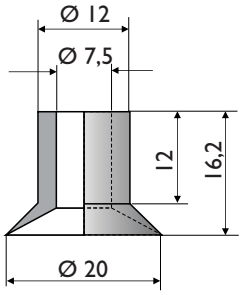


Art. No.: F0.020.010.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 1,5 g

*Material:
Silikon transparent
NBR schwarz/*black*
NR braun/*brown* 40° Shore

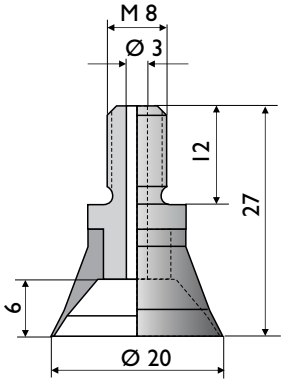
Anschlussteil/*Fitting*
00 08 82 - AG 1/8"



Art. No.: F2.020.001.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 6,0 g

*Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore

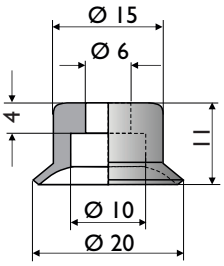


Art. No.: F0.020.031.*

Hub/*Stroke:* 3,0 mm
Gewicht/Weight: 2,5 g

*Material:
NBR schwarz/*black*
Silikon transparent
PUR blau/*blue*
FKM grau/*grey*

Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0312 - AG M6



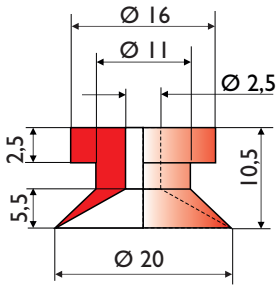
Vakuumflachsauger Ø 20 mm

Flat Vacuum Suction Cups dia. 20 mm

Art. No.: F0.020.032.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 1,4 g

*Material:
Silikon rot/red 45° Shore

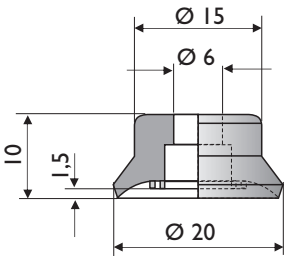


Art. No.: F0.020.012.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 2,0 g

*Material:
NBR schwarz/*black*

Anschlussteile/*Fittings:*
AT.0094 - AG M5
AT.0312 - AG M6



- Vorteile:
Hoch ölbeständige NBR-Qualität
Verstärkte Sauglippe mit Abstützrippen für mehr Positionsstabilität

- *Advantages:*
High oil resistant NBR quality.
Reinforced lip with cleats for a better position stability

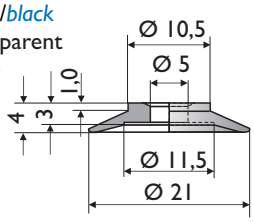
Vakuumflachsauger Ø 21 mm

Flat Vacuum Suction Cups dia. 21 mm

Art. No.: F0.021.003.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,6 g

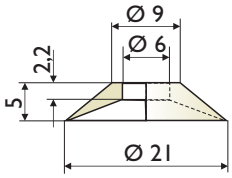
*Material:
NR schwarz/*black*
Silikon transparent
PU blau/*blue*



Art. No.: F0.021.004.*

Hub/*Stroke*: 2,8 mm
Gewicht/*Weight*: 0,4 g

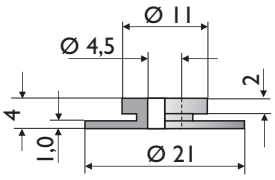
*Material:
NR beige 40° Shore



Art. No.: F0.021.005.*

Hub/*Stroke*: 0,0 mm
Gewicht/*Weight*: 0,3 g

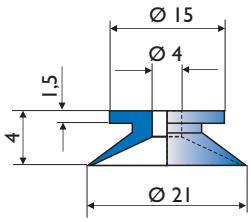
*Material:
NR grau/*grey* 40° Shore



Art. No.: F0.021.006.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 0,6 g

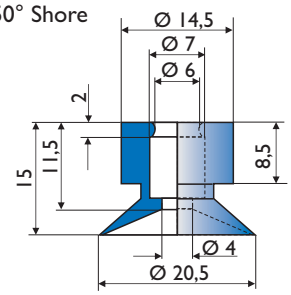
*Material:
Vinyl blau/*blue*



Art. No.: F0.021.007.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 2,0 g

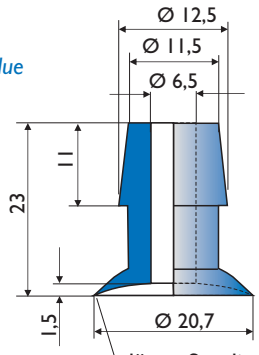
*Material:
Vinyl blau/*blue* 60° Shore
Vinyl rot/*red* 50° Shore



Art. No.: F0.021.002.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 1,9 g

*Material:
Vinyl blau/*blue*

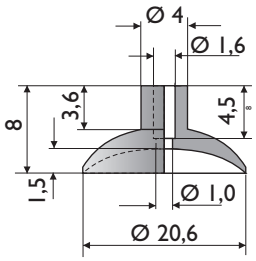


Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238 - AG 18"/IG M5

Art. No.: MF.VP.021.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 3,0 g

*Material:
Silikon schwarz/*black*
antistatisch/*antistatic*
-20°- +130° C
10^6- 10^8 Ohm

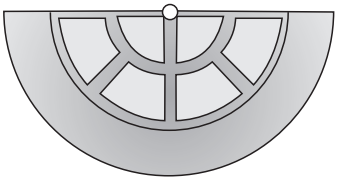


Andere Materialien (NBR, Silikon transparent, FKM) auf Anfrage!
Other materials (NBR, Silicone transparent, FKM)on request!

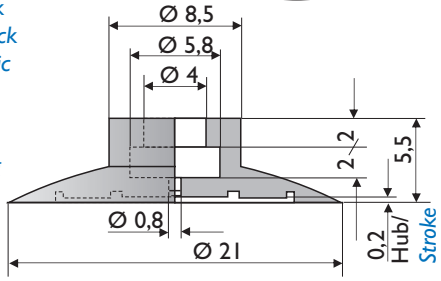
Art. No.: F0.021.001.*

Hub/*Stroke*: 0,2 mm
Gewicht/*Weight*: 1,0 g

* Material:
NBR, schwarz/*black*
Silikon schwarz/*black*
antistatisch/*antistatic*
Silikon transparent



Anschlussteil/*Fitting*
AT.0536 - AG M5



Spezialeinsatz:
- Dünne Folien
- Dünnstglas

Vorteile:
- Keine Verformung der angesaugten Teile
- Sehr geringer Hub

Special Use:
- *Thin foils*
- *Thinnest glass*

Advantages:
- *No deformation of sucked parts*
- *Very low stroke*

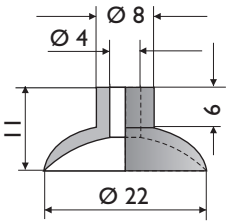
Vakuumflachsauger Ø 22 mm

Flat Vacuum Suction Cups dia. 22 mm

Art. No.: F0.022.005.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 0,6 g

*Material:
Spezial-Polyurethan rot/
Special Polyurethane red 60° Shore
hochabdruckarm/*high anti-marking*
Temperaturbeständigkeit/
temperature resistance
-20° C - +80° C

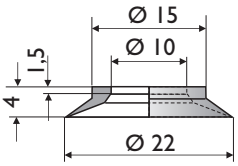


Anschlussteile/*Fittings*
AT.0624 - AG M5
00 08 03 - AG 1/8"
00 08 04 - IG 1/8"
AT.0188 - AG 1/8"/IG M5
AT.0189 - AG 3/8"

Art. No.: 01 22 06.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 0,4 g

*Material:
NR schwarz/*black*
Silikon transparent

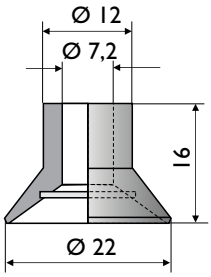


Art. No.: F0.022.007.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 1,7 g

* Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
AT.0702 - AG M5
00 08 82 -AG 1/8"

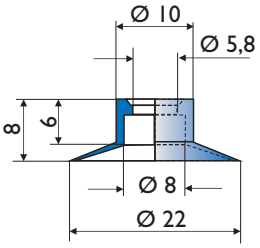


Mindestbestellung 25 Stück
Minimum order 25 pieces

Art. No.: F0.022.011.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 0,6 g

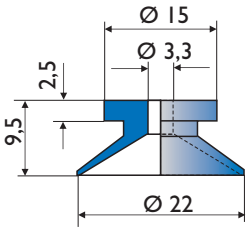
*Material:
NR blau/*blue* 40° Shore



Art. No.: F0.022.012.*

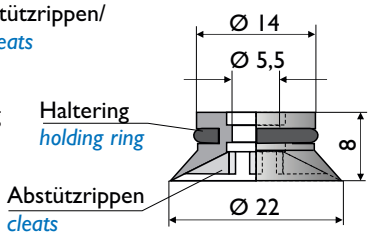
Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 1,2 g

*Material:
Vinyl blau/*blue*



Art. No.: F0.022.030.*
mit Haltering und Abstützrippen/
with holding ring and cleats

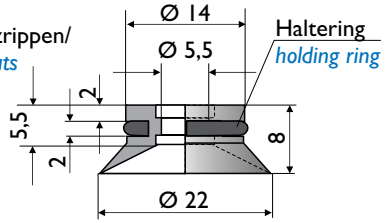
Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 1,4 g



*Material:
NBR schwarz/*black* 55° Shore
Silikon rot/*red* 50° Shore
Silikon transparent 50° Shore

Art. No.: F0.022.036.*
mit Haltering, ohne Abstützrippen/
with holding ring, without cleats

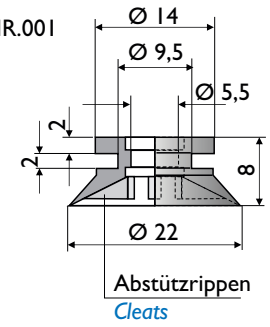
Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 1,1 g



Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0250 - AG 1/8"-IG M5 (SH=3,5)
AT.0802 - AG 1/8"-IG M5 (SH=1,8 Standard)
AT.0802.FS - AG 1/8"-IG M5 (SH=1,8 mit Filtersieb/*with mesh filter*)
AT.0803 - AG 1/8"-IG M5 (SH=4,5 Standard)
AT.0803.FS - AG 1/8"-IG M5 (SH=4,5 mit Filtersieb/*with mesh filter*)
AT.0809 - IG 1/8" (Standard)
AT.0809.FS - IG 1/8" (mit Filtersieb/*with mesh filter*)

Art. No.: F0.022.040.*

mit Abstützrippen/*with cleats*
Option: Haltering/*holding ring* HR.001
Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 1,3 g



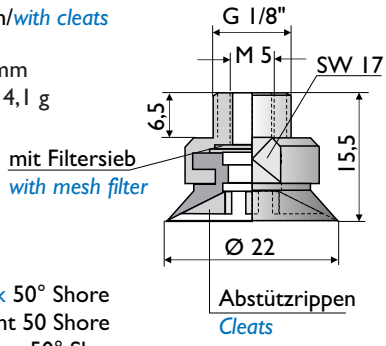
*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50 Shore
Polyurethan orange 50° Shore
Polyurethan grün/*green* 30° Shore
Polyurethan transparent 60° Shore

Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0250 - AG 1/8"-IG M5 (SH=3,5)
AT.0802 - AG 1/8"-IG M5 (SH=1,8 Standard)
AT.0802.FS - AG 1/8"-IG M5 (SH=1,8 mit Filtersieb/*with mesh filter*)
AT.0803 - AG 1/8"-IG M5 (SH=4,5 Standard)
AT.0803.FS - AG 1/8"-IG M5 (SH=4,5 mit Filtersieb/*with mesh filter*)
AT.0809 - IG 1/8" (Standard)
AT.0809.FS - IG 1/8" (mit Filtersieb/*with mesh filter*)

Art. No.: F0.022.041.*

mit Abstützrippen/*with cleats*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 4,1 g

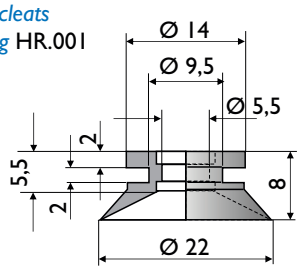


*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50 Shore
Polyurethan orange 50° Shore
Polyurethan grün/*green* 30° Shore
Polyurethan transparent 60° Shore

Art. No.: F0.022.046.*

ohne Abstützrippen/*without cleats*
Option: Haltering/*holding ring* HR.001

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 1,0 g



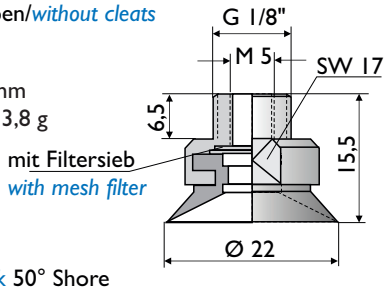
*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50 Shore

Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0250 - AG 1/8"-IG M5 (SH=3,5)
AT.0802 - AG 1/8"-IG M5 (SH=1,8 Standard)
AT.0802.FS - AG 1/8"-IG M5 (SH=1,8 mit Filtersieb/*with mesh filter*)
AT.0803 - AG 1/8"-IG M5 (SH=4,5 Standard)
AT.0803.FS - AG 1/8"-IG M5 (SH=4,5 mit Filtersieb/*with mesh filter*)
AT.0809 - IG 1/8" (Standard)
AT.0809.FS - IG 1/8" (mit Filtersieb/*with mesh filter*)

Art. No.: F0.022.047.*

ohne Abstützrippen/*without cleats*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 3,8 g



*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50 Shore

Vakuumflachsauger Ø 23 mm

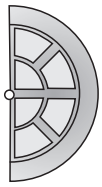
Flat Vacuum Suction Cups dia. 23 mm

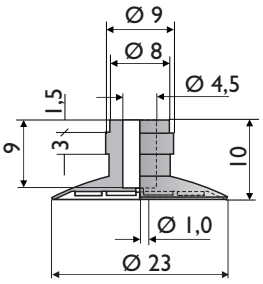
Art. No.: F0.023.001.*

Hub/*Stroke:* 0,3 mm
Gewicht/*Weight:* 1,1 g

* Material:
NBR schwarz/*black*
Silikon rot/*red*
Silikon transparent

Anschlussteil/*Fitting*
AT.0624 - AG M5





Spezialeinsatz:
- Dünne Folien
- Dünnstglas

Vorteile:
- Keine Verformung der angesaugten Teile
- Sehr geringer Hub

Special Use:
- *Thin foils*
- *Thinnest glass*

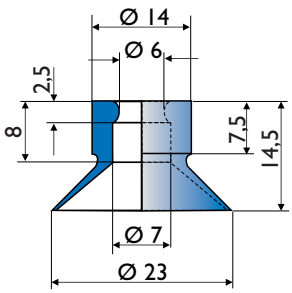
Advantages:
- *No deformation of sucked parts*
- *Very low stroke*

Art. No.: F0.023.003.*

Hub/*Stroke:* 4,0 mm
Gewicht/*Weight:* 1,6 g

* Material:
Vinyl blau/*blue*

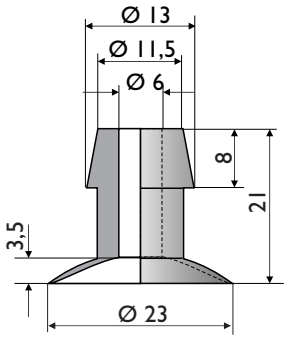
Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0567-4 - AG 1/8"



Art. No.: F0.023.004.*

Hub/*Stroke:* 3,0 mm
Gewicht/*Weight:* 2,0 g

* Material:
Vinyl transparent

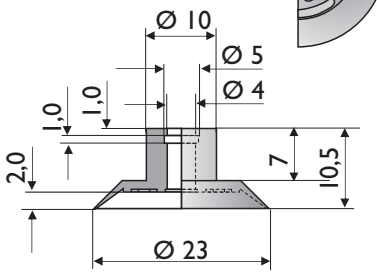


Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238 - AG 1/8"/IG M5

Art. No.: F0.023.005.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 1,0 g

*Material:
NBR schwarz/*black*
Silikon transparent
Silikon, rot/*red*
Silikon, antistatisch/
antistatic



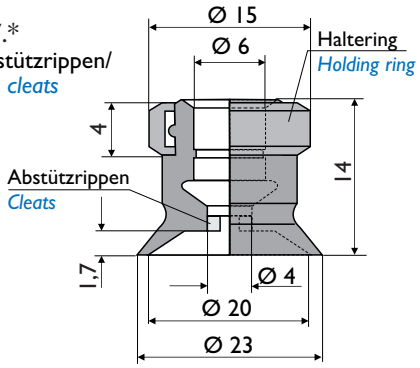
Anschlussteile/*Fittings*
AT.0104 - AG M6
AT.0134 - AG M5
AT.0705 - IG M5

Art. No.: F0.023.007.*.Ring (Standard)
mit Haltering und Abstützrippen/
with holding ring and cleats

Art. No.: F0.023.007.*
ohne Haltering, mit Abstützrippen/
without holding ring, with cleats

Hub/*Stroke*: 1,7 mm
Gewicht/*Weight*: 4,0 g

*Material:
NBR schwarz/*black*
Silikon transparent



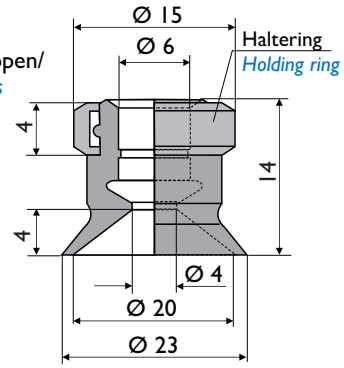
Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238.M5 - (IG M5 - AG 1/8")

Art. No.: F0.023.006.*.Ring (Standard)
mit Haltering, ohne Abstützrippen/
with holding ring, without cleats

Art. No.: F0.023.006.*
ohne Haltering, ohne Abstützrippen/
without holding ring, without cleats

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 3,9 g

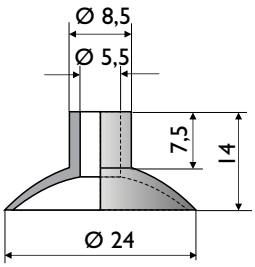
*Material:
NBR schwarz/*black*
Silikon transparent



Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238.M5 - (IG M5 - AG 1/8")

Art. No.: F0.024.001.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 1,0 g



* Material:
NR schwarz/*black* 45° Shore
NR beige 40° Shore

Anschlussteil/*Fitting*
AT.0615 - IG 1/8"
AT.0702 - AG M5
AT.0539 - AG 1/8"

Vakuumflachsauger Ø 25 mm

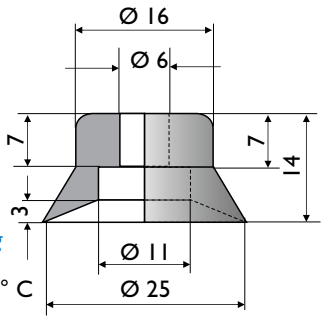
Flat Vacuum Suction Cups dia. 25 mm

Art. No.: F0.025.001.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 3,0 g

*Material:
NBR schwarz/*black*
Silikon transparent
PUR blau/*blue*

Art.No.; F0.025.AM2.bl
hochabdruckarm/*high anti-marking*
Temperaturbeständigkeit/
temperature resistance -10° - +165° C

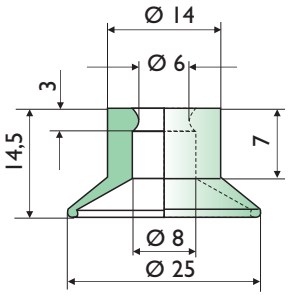


Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0057 - AG M6
AT.0538 - AG 1/8"
AT.0619 - IG 1/8"5
AT.0274 - AG 1/4"
AT.0275 - IG 1/4"

Art. No.: F0.025.002.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 2,2 g

*Material:
NR hellgrün/*light green* 40° Shore

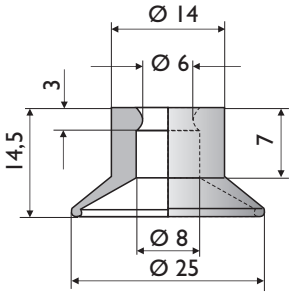


Anschlussteile/*Fittings*
AT.0200 - AG M5
AT.0567-4 - AG 1/8"

Art. No.: F0.025.004.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 2,2 g

*Material:
NR dunkelgrün/*dark green*
40° Shore
NR schwarz/*black*

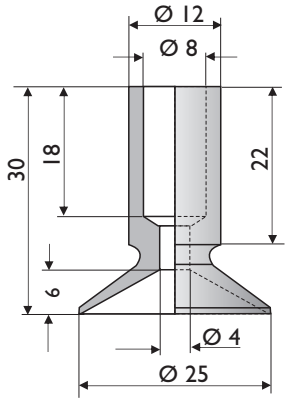


Anschlussteile/*Fittings*
AT.0200 - AG M5
AT.0567-4 - AG 1/8"

Art. No.: F0.025.005.*

Hub/*Stroke:* 5,0 mm
Gewicht/*Weight*: 2,5 g

* Material:
NBR schwarz/*black*
Silikon transparent

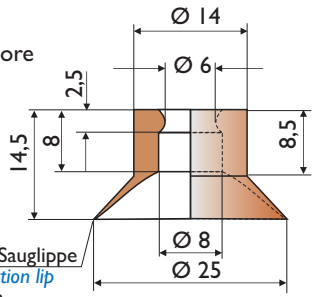


Anschlussteil/*Fitting*
AT.0538 - AG 1/8"

Art. No.: F0.025.006.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 1,5 g

*Material:
Vulkollan braun/*brown* 70° Shore
hochverschleissfest/
high wear resistant
hochabdruckarm/
high anti-marking



dünne Sauglippe
thin suction lip
0,6 mm

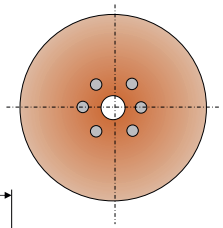
Anschlussteile/*Fittings*
AT.0200 - AG M5
AT.0567 - AG 1/8"

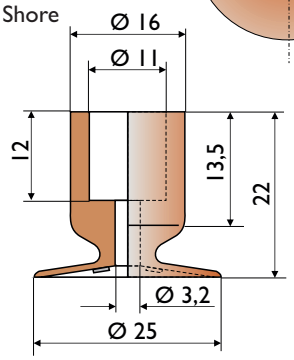
Art. No.: F0.025.007.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 2,0 g

*Material:
Vulkollan braun/*brown* 70° Shore
hochverschleissfest/
high wear resistant
hochabdruckarm/
high anti-marking

Auf Anfrage/*on request:*
Silikon transparent





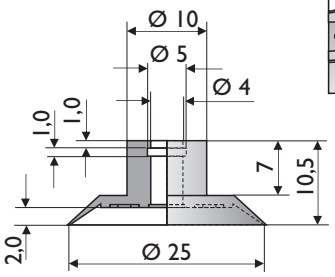
Anschlussteile/*Fittings*
AT.0723 - AG 1/8
AT.0603 - AG 1/4"

Art. No.: F0.025.009.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 1,2 g

*Material:
NBR schwarz/*black*
Silikon transparent
Silikon rot/*red*
Silikon schwarz/*black*
antistatisch/*antistatic*

Anschlussteile/*Fittings*
AT.0104 - AG M6
AT.0134 - AG M5
AT.0705 - IG M5
AT.0539 - AG 1/8"

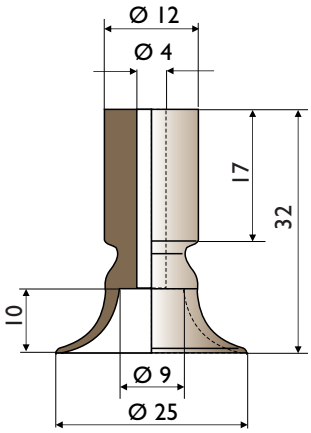


Art. No.: F0.025.010.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 2,7 g

*Material:
NR braun/*brown* 40° Shore

Anschlussteile/*Fittings*
AT.0134 - AG M5
AT.0705 - IG M5

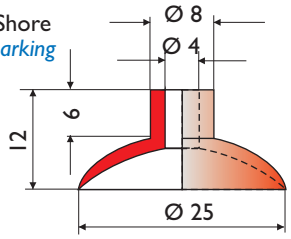


Art. No.: F0.025.011.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 1,0 g

*Material:
Spezial-Polyurethan rot/
Special Polyurethane red 60° Shore
hochabdruckarm/*high anti-marking*
Temperaturbeständigkeit/
temperature resistance
-20° - +80° C

Anschlussteile/*Fittings*
AT.0624 - AG M5
00 08 03 - AG 1/8"
00 08 04 - IG 1/8"
AT.0188 - AG1/8"-IG M5
AT.0189 - AG 3/8"



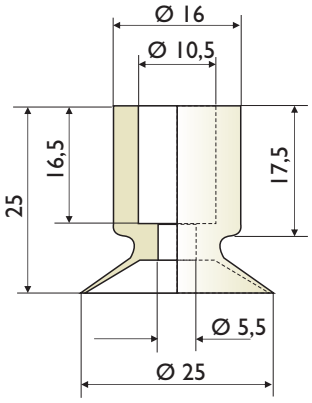
- Temperaturbeständigkeit/
Temperature resistance:
-20° - +80° C

Art. No.: F0.025.012.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 3,0 g

*Material:
NR beige, 40° Shore

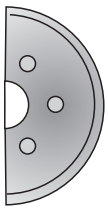
Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"

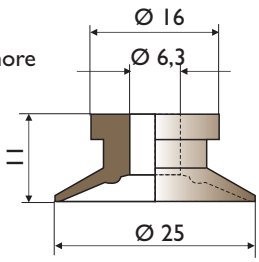


Art. No.: F0.025.014.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 1,2 g

*Material:
NR braun/*brown* 40° Shore



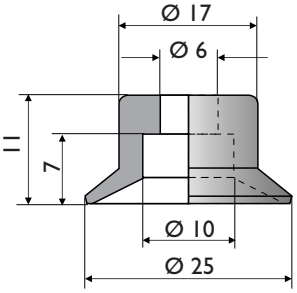


Art. No.: F0.025.015.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 2,5 g

*Material:
NBR schwarz/*black*
Silikon transparent
Polyurethan blau/*blue*
FKM grau/*grey*
Silikon schwarz/*black*
antistatisch/*antistatic*

Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0312 - AG M6



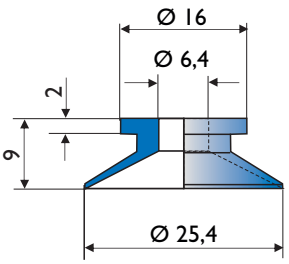
Vakuumflachsauger Ø 25 mm

Flat Vacuum Suction Cups dia. 25 mm

Art. No.: F0.025.016.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight:* 1,3 g

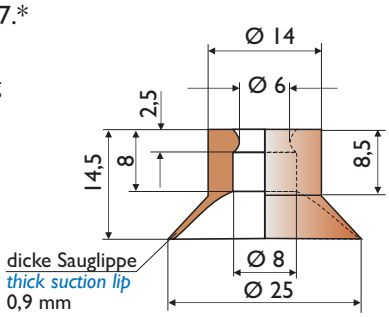
* Material:
Vinyl blau/*blue* 50° Shore



Art. No.: F0.025.017.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 1,6 g

*Material:
Vulkollan braun/*brown*
70° Shore
hochverschleissfest/
high wear resistant
hochabdruckarm/
high anti-marking



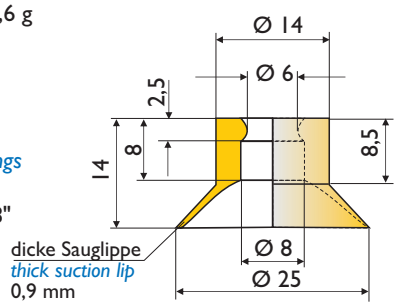
Anschlussteile/*Fittings*
AT.0200 - AG M5
AT.0567-4 - AG 1/8"

Art. No.: F0.025.018.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 1,6 g

*Material:
Vinyl gelb/*yellow*

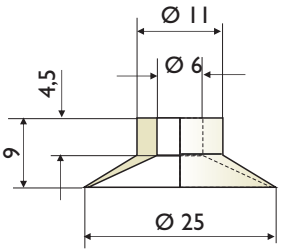
Anschlussteile/*Fittings*
AT.0200 - AG M5
AT.0567-4 - AG 1/8"



Art. No.: F0.025.019.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 1,2 g

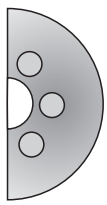
*Material:
NR beige 40° Shore

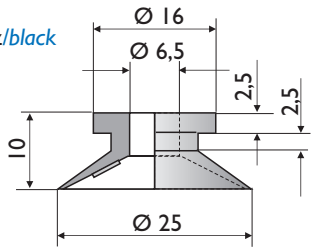


Art. No.: F0.025.020.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 1,2 g

*Material:
NR beige 40° Shore
Polyurethan schwarz/*black*
50° Shore

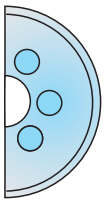


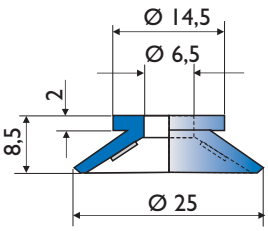


Art. No.: F0.025.021.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 1,5 g

*Material:
Vinyl blau/*blue*





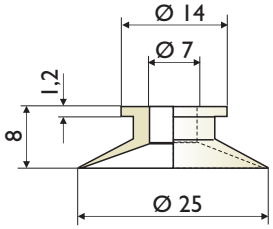
Vakuumflachsauger Ø 25 mm

Flat Vacuum Suction Cups dia. 25 mm

Art. No.: F0.025.022.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 1,2 g

*Material:
NR beige 40° Shore

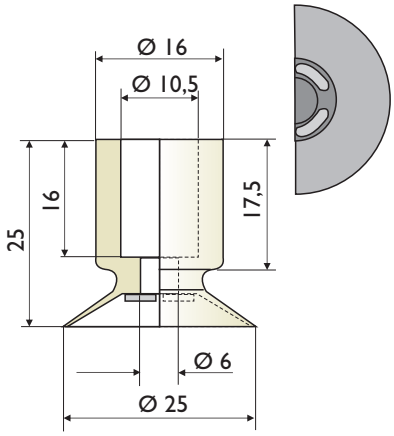


Art. No.: F0.025.023.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 3,2 g

*Material:
NR beige 40° Shore

Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"

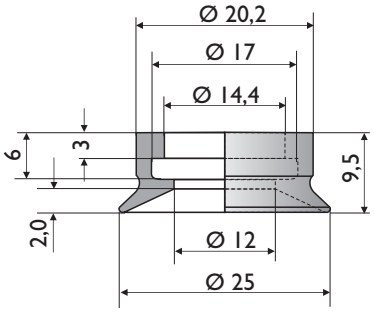


Art. No.: F0.025.024.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 1,5 g

* Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteil/*Fitting*
AT.0233 - IG 1/8"

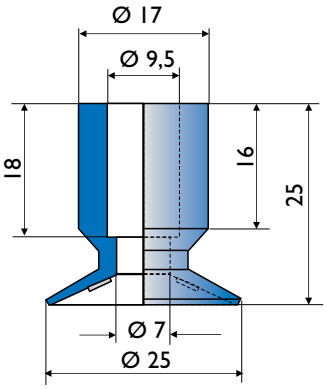


Art. No.: F0.025.026.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 4,0 g

* Material:
Vinyl blau/*blue*

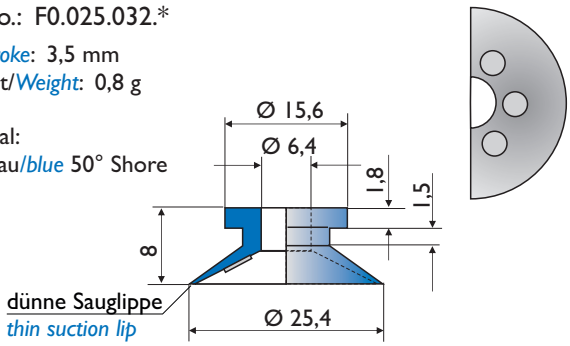
Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"



Art. No.: F0.025.032.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 0,8 g

*Material:
Vinyl blau/*blue* 50° Shore



Vakuumflachsauger Ø 25 mm

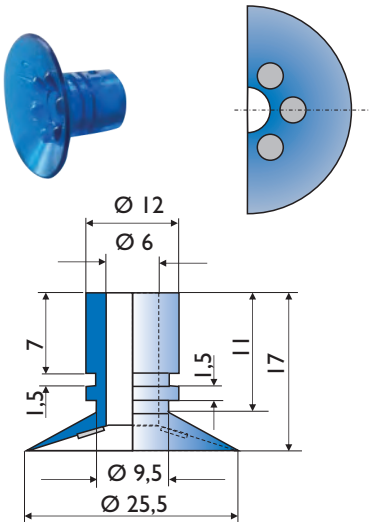
Flat Vacuum Suction Cups dia. 25 mm

Art. No.: F0.025.027.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 1,8 g

* Material:
Vinyl blau/*blue*

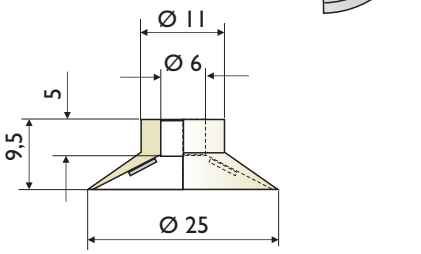
Anschlussteile/*Fittings*
AT.0538 - AG M5
AT.0238 - AG 1/8"/IG M5
AT.0109 - IG 1/8"



Art. No.: F0.025.028.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 1,2 g

*Material:
NR beige 40° Shore

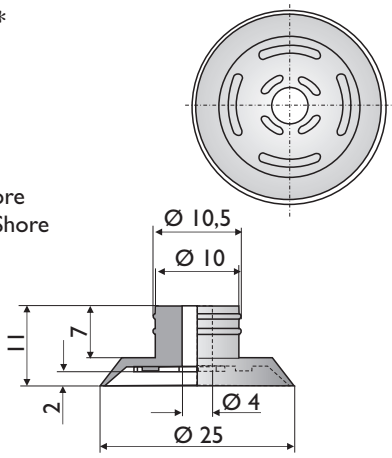


Art. No.: F0.025.029.*

Hub/*Stroke:* 2,0 mm
Gewicht/*Weight*: 1,0 g

*Material:
NR braun/*brown* 40° Shore
Silikon transparent 55° Shore

Anschlussteile/*Fittings*
AT.0134 - AG M5
AT.0104 - AG M6
AT.0705 - IG M5
AT.0539 - AG 1/8"

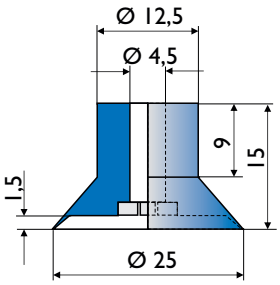


Art. No.: F0.025.030.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 2,0 g

*Material:
Vinyl blau/*blue*

Anschlussteile/*Fittings*
AT.0134 - AG M5
AT.0705 - IG M5

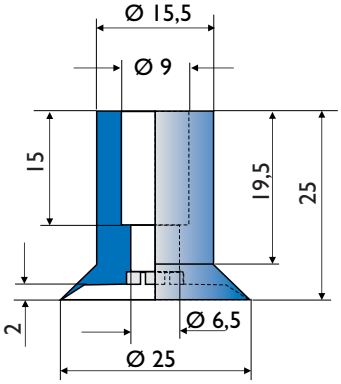


Art. No.: F0.025.031.*

Hub/*Stroke:* 2,0 mm
Gewicht/*Weight*: 3,8 g

*Material:
Vinyl blau/*blue*

Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"

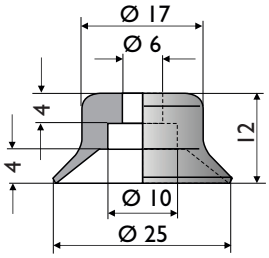


Art. No.: F0.025.003.*

Hub/*Stroke:* 4,0 mm
Gewicht/*Weight*: 2,8 g

*Material:
NBR schwarz/*black*
Silikon transparent
Polyurethan blau/*blue*
FKM grau/*grey*
Silikon schwarz/*black*
antistatisch/*antistatic*

Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0312 - AG M6



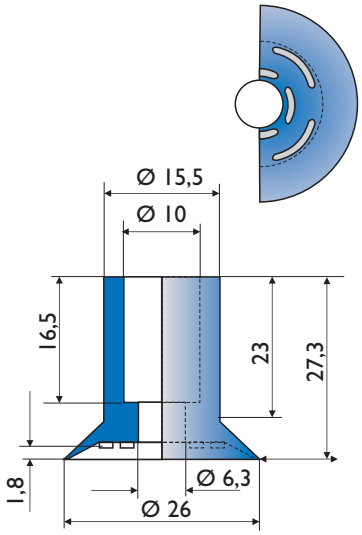
Vakuumflachsauger Ø 26 mm

Flat Vacuum Suction Cups dia. 26 mm

Art. No.: F0.026.001.*
Hub/*Stroke*: 1,8 mm
Gewicht/*Weight*: 4,2 g

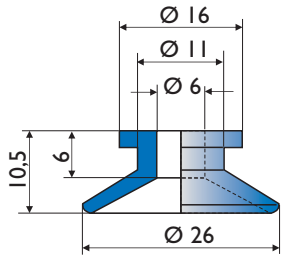
*Material:
Vinyl blau/*blue*

Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"



Art. No.: F0.026.003.*
Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 1,4 g

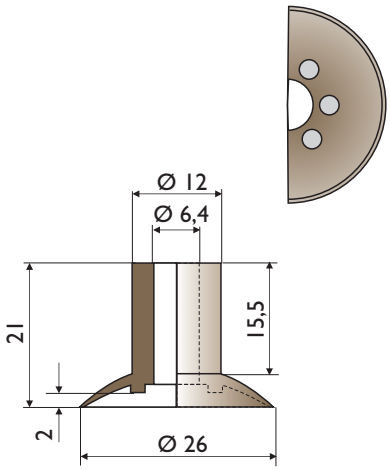
*Material:
Vinyl blau/*blue*



Art. No.: F0.026.004.*
Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 2,5 g

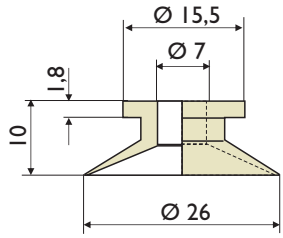
*Material:
NR brown/*brown*
40° Shore

Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238 - AG 1/8"/IG M5



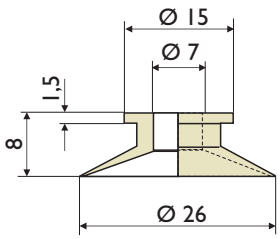
Art. No.: F0.026.006.*
Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 1,2 g

*Material:
NR beige 40° Shore



Art. No.: F0.026.007.*
Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 1,2 g

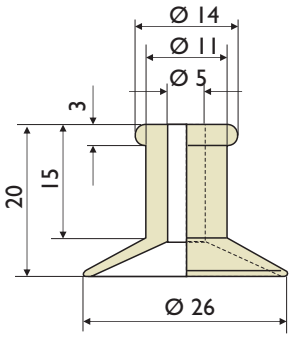
*Material:
NR beige 40° Shore



Art. No.: F0.026.008.*
Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 2,0 g

*Material:
NR beige 40° Shore

Anschlussteile/*Fittings*
AT.0537 - AG M5
AT.0539 - AG 1/8"



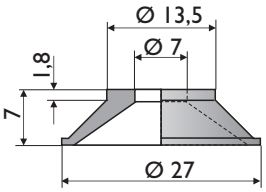
Vakuumflachsauger Ø 27 mm

Flat Vacuum Suction Cups dia. 27 mm

Art. No.: F0.027.001.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 1,3 g

*Material:
NBR schwarz/*black*
FKM schwarz/*black*
Silikon transparent

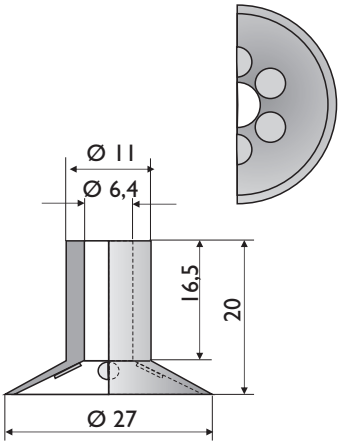


Art. No.: F0.027.003.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 1,6 g

*Material:
NR beige 40° Shore
Vinyl transparent

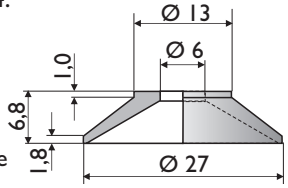
Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238 - AG 1/8"/IG M5



Art. No.: F0.027.004.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 1,1 g

*Material:
NR grau/*grey* 40° Shore

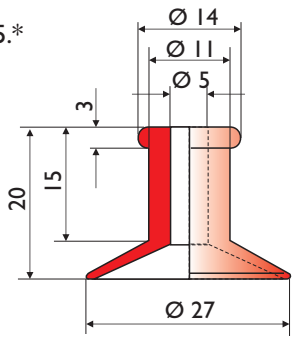


Art. No.: F0.027.005.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 2,0 g

*Material:
Silikon rot/*red*

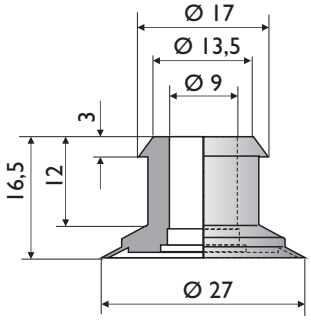
Anschlussteile/*Fittings*
AT.0537 - AG M5
AT.0539 - AG 1/8"



Art. No.: F0.027.006.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 2,0 g

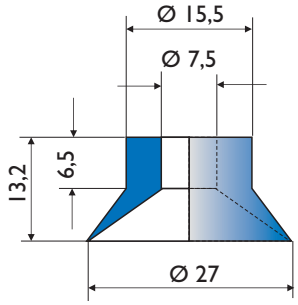
*Material:
Silikon transparent



Art. No.: F0.027.008.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 2,0 g

* Material:
Vinyl blau/*blue*



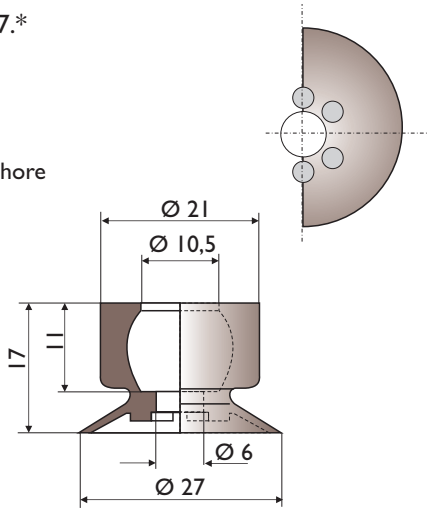
Vakuumflachsauger Ø 27 mm

Flat Vacuum Suction Cups dia. 27 mm

Art. No.: F0.027.007.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 3,6 g

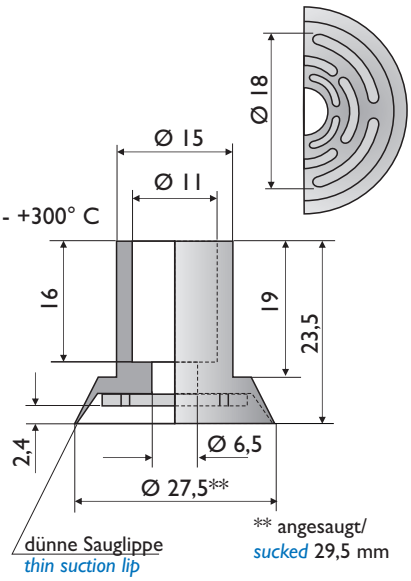
* Material:
NR braun/*brown* 40° Shore



Art. No.: 01 27 24.*

Hub/*Stroke*: 2,4 mm
Gewicht/*Weight*: 2,8 g

*Material:
NR schwarz/*black*
NBR schwarz/*black*
Silikon transparent -50° - +300° C

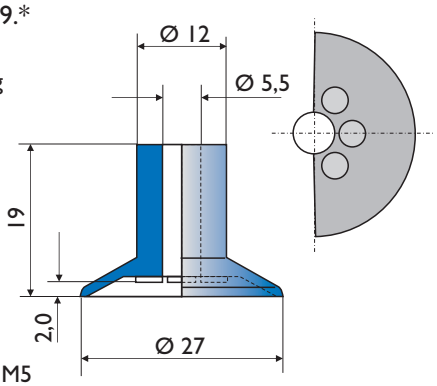


Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"
00 08 21 - IG 1/4"

Art. No.: F0.027.009.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 2,2 g

*Material:
Viny blau/*blue*

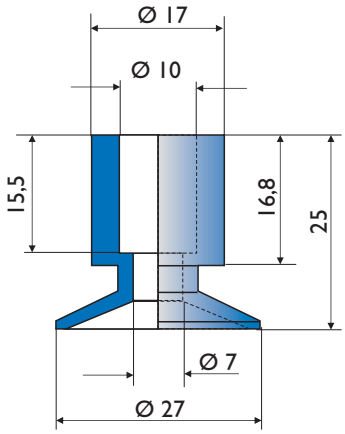


Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238 - AG 1/8"/IG M5

Art. No.: F0.027.010.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 4,4 g

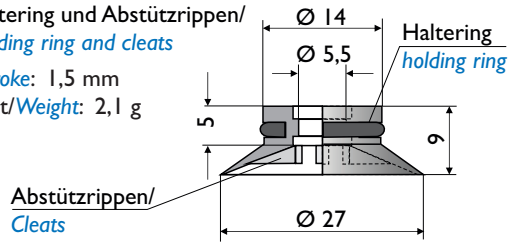
*Material:
Vinyl blau/*blue*



Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"

Art. No.: F0.027.030.*
mit Haltering und Abstützrippen/
with holding ring and cleats

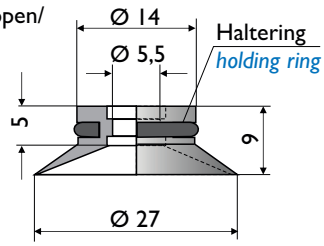
Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 2,1 g



*Material:
NBR schwarz/*black* 55° Shore
Silikon rot/*red* 50° Shore
Silikon transparent 50° Shore

Art. No.: F0.027.036.*
mit Haltering, ohne Abstützrippen/
with holding ring, without cleats

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 1,9 g



Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0250 - AG 1/8"-IG M5 (SH=3,5)
AT.0802 - AG 1/8"-IG M5 (SH=1,8 Standard)
AT.0802.FS - AG 1/8"-IG M5 (SH=1,8 mit Filtersieb/*with mesh filter*)
AT.0803 - AG 1/8"-IG M5 (SH=4,5 Standard)
AT.0803.FS - AG 1/8"-IG M5 (SH=4,5 mit Filtersieb/*with mesh filter*)
AT.0809 - IG 1/8" (Standard)
AT.0809.FS - IG 1/8" (mit Filtersieb/*with mesh filter*)

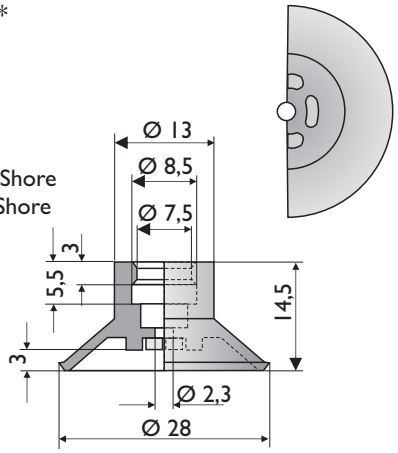
Vakuumflachsauger Ø 28 mm

Flat Vacuum Suction Cups dia. 28 mm

Art. No.: F0.028.002.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 4,0 g

*Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore

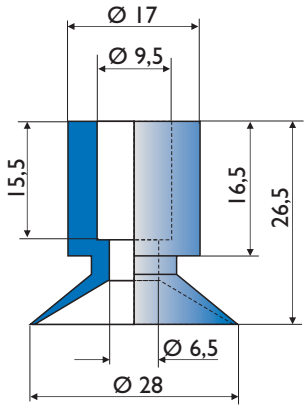


Art. No.: F0.028.005.*

Hub/*Stroke*: 5,0 mm
Gewicht/*Weight*: 4,2 g

*Material:
Vinyl blau/*blue*

Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 -AG 1/4"

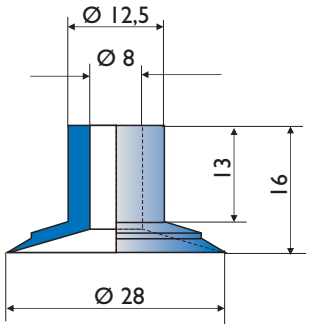


Art. No.: F0.028.006.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 2,0 g

*Material:
Vinyl blau/*blue*

Anschlussteil/*Fitting*
AT.0538 - AG 1/8"

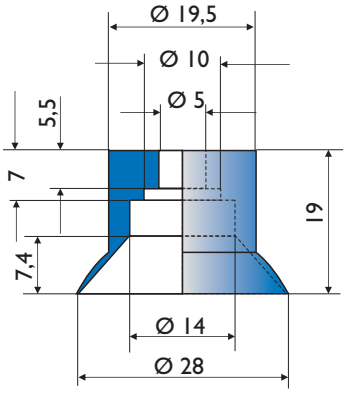


Art. No.: F0.028.007.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 3,8 g

*Material:
Vinyl blau/*blue*

Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0312.MSV - AG M6
AT.0538 - AG 1/8"



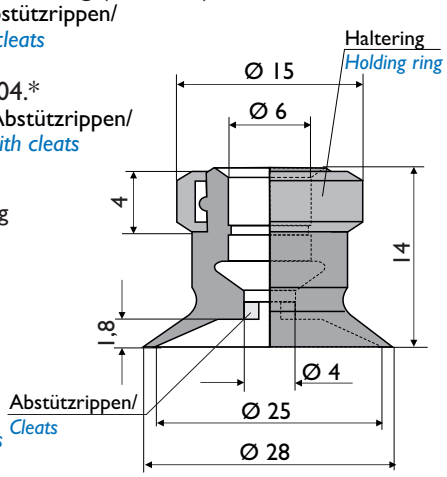
Art. No.: F0.028.004.*.Ring (Standard)
mit Haltering und Abstützrippen/
with holding ring and cleats

Art. No.: F0.028.004.*
ohne Haltering, mit Abstützrippen/
without holding ring, with cleats

Hub/*Stroke*: 1,8 mm
Gewicht/*Weight*: 4,6 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238.M5 - (IG M5 - AG 1/8")



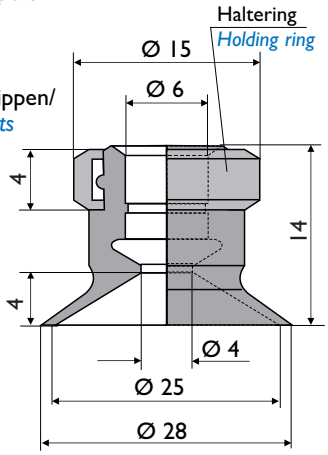
Art. No.: F0.028.003.*.Ring (Standard)
mit Haltering, ohne Abstützrippen/
with holding ring, without cleats

Art. No.: F0.028.003.*
ohne Haltering, ohne Abstützrippen/
without holding ring, without cleats

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 4,3 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238.M5 - (IG M5 - AG 1/8")

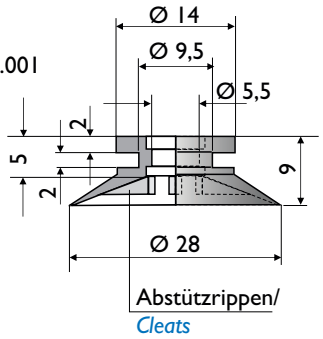


Vakuumflachsauger Ø 28 mm

Flat Vacuum Suction Cups dia. 28 mm

Art. No.: F0.028.040.*
mit Abstützrippen/*with cleats*
Option: Haltering/*holding ring* HR.001

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 1,9 g

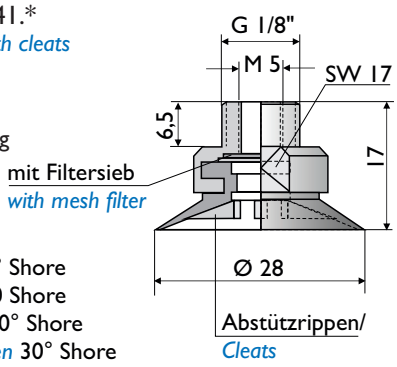


*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50 Shore
Polyurethan orange 50° Shore
Polyurethan grün/*green* 30° Shore
Polyurethan transparent 60° Shore

Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0250 - AG 1/8"-IG M5 (SH=3,5)
AT.0802 - AG 1/8"-IG M5 (SH=1,8 Standard)
AT.0802.FS - AG 1/8"-IG M5 (SH=1,8 mit Filtersieb/*with mesh filter*)
AT.0803 - AG 1/8"-IG M5 (SH=4,5 Standard)
AT.0803.FS - AG 1/8"-IG M5 (SH=4,5 mit Filtersieb/*with mesh filter*)
AT.0809 - IG 1/8" (Standard)
AT.0809.FS - IG 1/8" (mit Filtersieb/*with mesh filter*)

Art. No.: F0.028.041.*
mit Abstützrippen/*with cleats*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 4,5 g

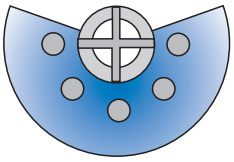


*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50 Shore
Polyurethan orange 50° Shore
Polyurethan grün/*green* 30° Shore
Polyurethan transparent 60° Shore

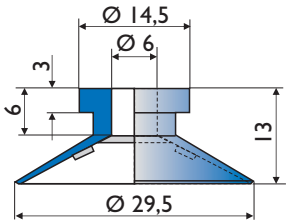
Vakuumflachsauger Ø 29 mm

Flat Vacuum Suction Cups dia. 29 mm

Art. No.: F0.029.001.*
Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 2,0 g



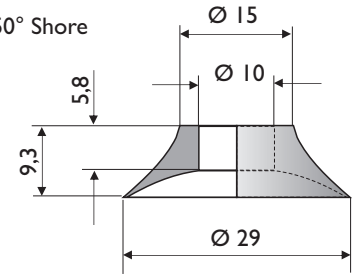
* Material:
Vinyl blau/*blue*



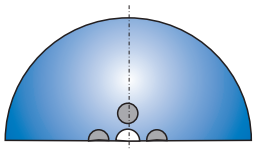
Anschlussteile/*Fittings*
AT.0200 - AG M5
AT.0802 - AG 1/8"/IG M5

Art. No.: F0.029.002.*
Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 1,2 g

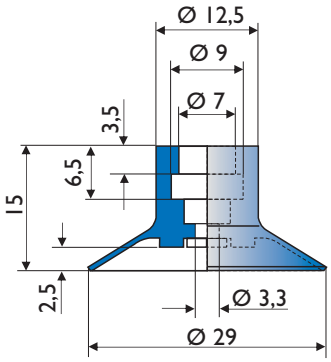
* Material:
Silikon transparent 50° Shore



Art. No.: F0.029.003.*
Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 2,0 g



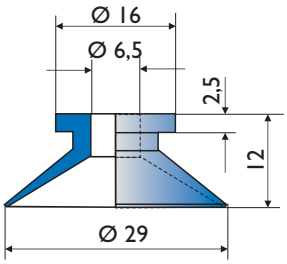
* Material:
Vinyl blau/*blue*



Anschlussteile/*Fittings*
AT.0713 - AG M5
AT.0015 - AG 1/8"

Art. No.: F0.029.004.*
Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 2,0 g

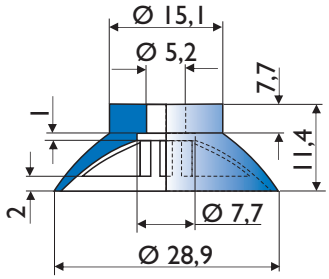
* Material:
Vinyl blau/*blue*



Anschlussteile/*Fittings*
AT.0802 - AG 1/8"/IG M5
AT.0702 - AG M5

Art. No.: F0.029.006.*
Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 2,0 g

*Material:
Vinyl blau/*blue* 50° Shore



Anschlussteile/*Fittings*
AT.0802 - AG 1/8"/IG M5
AT.0809 - IG 1/8"
AT.0094 - AG M5

Vakuumflachsauger Ø 30 mm

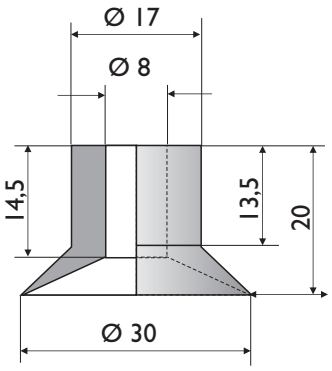
Flat Vacuum Suction Cups dia. 30 mm

Art. No.: F0.030.001.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 4,5 g

* Material:
NBR schwarz/*black*
Silikon transparent
NR braun/*brown* 40° Shore

Anschlussteil/*Fitting*
AT.0132 - AG 1/8"



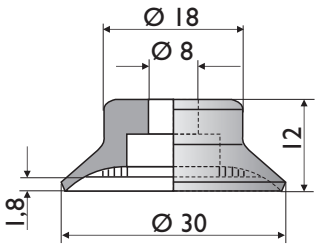
Art. No.: F0.030.002.*

Hub/*Stroke*: 1,8 mm
Gewicht/*Weight*: 4,0 g

* Material:
NBR schwarz/*black*

Anschlussteile/*Fittings*
AT.0006 - AG 1/8"
AT.0312 - AG M6

Vorteile:
- Hoch ölbeständige NBR-Qualität
- Verstärkte Sauglippe mit Abstützrippen für mehr Positionsstabilität



Advantages:
- *High oil resistant NBR quality*
- *Reinforced lip with cleats for a better position stability*

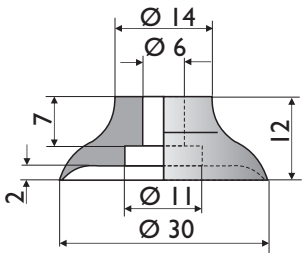
Art. No.: F0.030.003.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 3,5 g

* Material:
NBR schwarz/*black*
Silikon transparent
Polyurethan blau/*blue*

Art.No.: F0.030.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C

Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0057 - AG M6
AT.0538 - AG 1/8"
AT.0619 - IG 1/8"
AT.0274 - AG 1/4"
AT.0275 - IG 1/4"

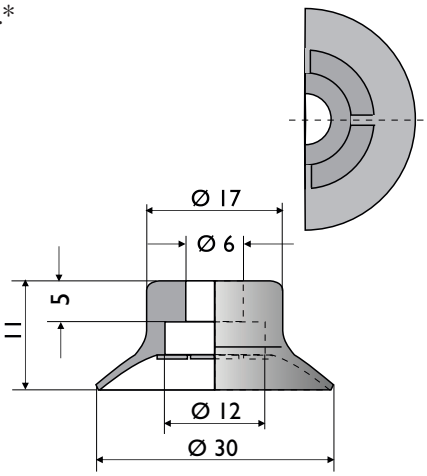


Art. No.: F0.030.004.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 3,5 g

* Material:
NBR schwarz/*black*
Silikon transparent
Polyurethan blau/*blue*
FKM grau/*grey*
Silikon schwarz/*black*
antistatisch/*antistatic*

Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0321 - AG M6

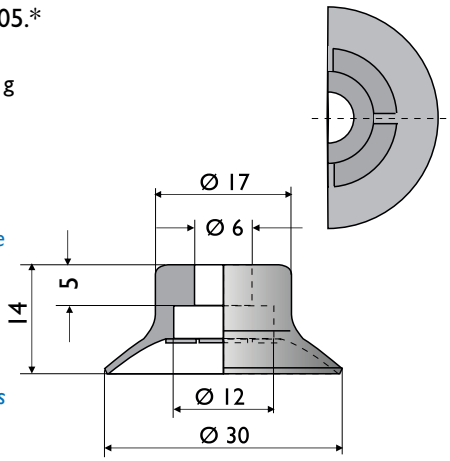


Art. No.: F0.030.005.*

Hub/*Stroke:* 4,5 mm
Gewicht/*Weight*: 3,8 g

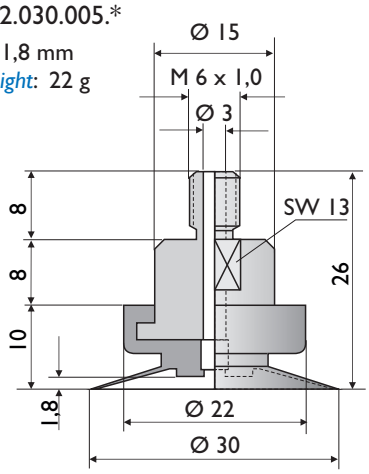
* Material:
NBR schwarz/*black*
Silikon transparent
Polyurethan blau/*blue*
FKM grau/*grey*

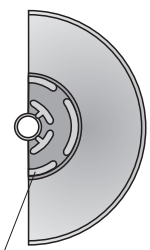
Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0312 - AG M6



Art. No.: F2.030.005.*

Hub/*Stroke*: 1,8 mm
Gewicht/*Weight*: 22 g





* Material:
NBR schwarz/*black* 40°/60° Shore
Silikon transparent 40°/60° Shore

Vakuumflachsauger Ø 30 mm

Flat Vacuum Suction Cups dia. 30 mm

Art. No.: F0.030.006.*

Hub/*Stroke*: 0,3 mm
Gewicht/*Weight*: 3,0 g

Spezialeinsatz:
- Dünne Folien
- Dünnstglas

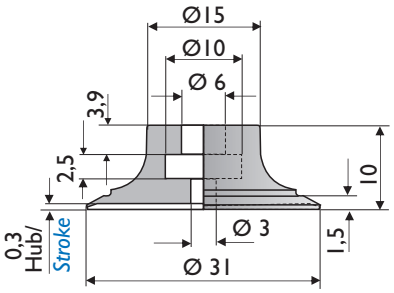
Vorteile:
- Keine Verformung der angesaugten Teile
- Sehr geringer Hub

Special Use:
- *Thin foils*
- *Thinnest glass*

Advantages:
- *No deformation of sucked parts*
- *Very low stroke*

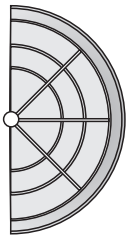
* Material:
NBR schwarz/*black*
Silikon transparent
NBR schwarz/*black*
antistatisch/*antistatic*

Anschlussteil/*Fitting*
AT.0713 - AG M5



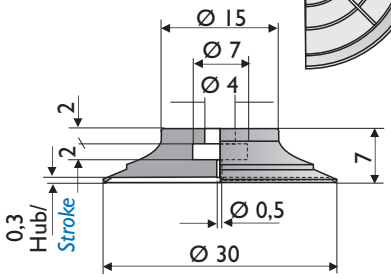
Art. No.: F0.030.007.*

Hub/*Stroke*: 0,3 mm
Gewicht/*Weight*: 2,0 g



* Material:
NBR schwarz/*black*
Silikon transparent
Silikon schwarz/*black*
antistatisch/*antistatic*

Anschlussteil/*Fitting*
AT.0536 - AG M5

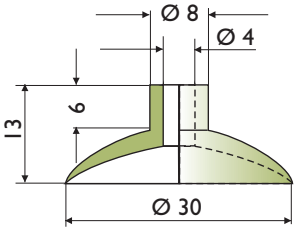


Art. No.: F0.030.008.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 1,4 g

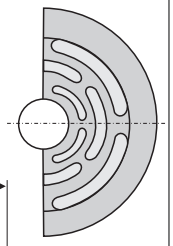
*Material:
Spezial-Polyurethan grün/*green*
60° Shore hochabdruckarm/
high anti-marking
Temperaturbeständigkeit/
Temperature resistance:
-20° C - +80° C

Anschlussteile/*Fittings*
AT.0624 - AG M5
00 08 03 - AG 1/8"
00 08 04 - IG 1/8"
AT.0188 - AG 1/8"/IG M5
AT.0189 - AG 1/8"



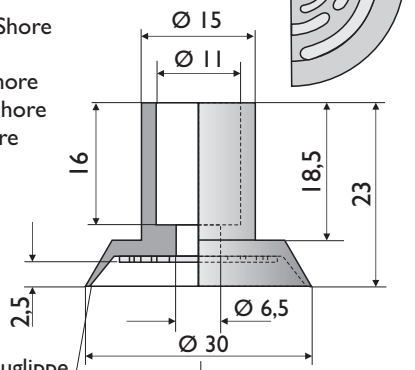
Art. No.: F0.030.011.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 3,0 g



*Material:
NBR schwarz/*black* 50° Shore
NR beige 40° Shore
NR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
Silikon blau/*blue* 50° Shore

Anschlussteile/*Fittings*
AT.0227 - AG M5
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"
00 08 21 - IG 1/4"

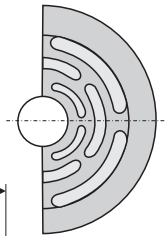


verstärkte Sauglippe 0,6mm
reinforced lip 0,6 mm

angesaugt Ø 32 mm
sucked dia. 32 mm

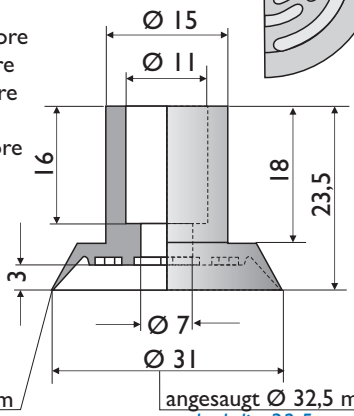
Art. No.: 01 30 24.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 3,0 g



*Material:
NBR schwarz/*black* 60° Shore
NR schwarz/*black* 45° Shore
Silikon weiss/*white* 45° Shore
50° - +300° C
Silikon transparent 45° Shore
50° - +300° C

Anschlussteile/*Fittings*
AT.0227 - AG M5
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"
00 08 21 - IG 1/4"



dünne Sauglippe 0,35 mm
thin suction lip 0,35 mm

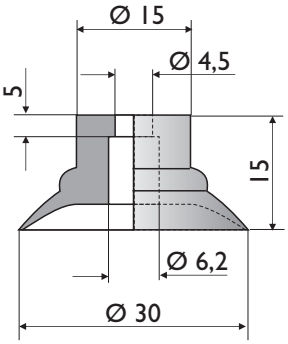
angesaugt Ø 32,5 mm
sucked dia. 32,5 mm

Art. No.: F0.030.013.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 4,0 g

*Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
Silikon schwarz/*black*
antistatisch/*antistatic* 50° Shore
Fluorsilikon rot/*red* 40° Shore

Anschlussteile/*Fittings*
AT.0613 - AG M5
AT.0003 - AG 1/8"



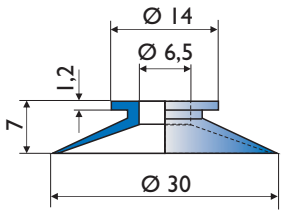
Vakuumflachsauger Ø 30 mm

Flat Vacuum Suction Cups dia. 30 mm

Art. No.: F0.030.014.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 1,2 g

* Material:
Vinyl blau/*blue*

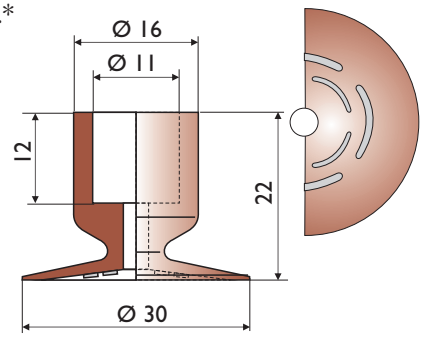


Art. No.: F0.030.015.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 3,7 g

*Material:
Vulkollan braun/*brown*
70° Shore
hochverschleissfest/
high wear resistant
hochabdruckarm/
high anti-marking

Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"

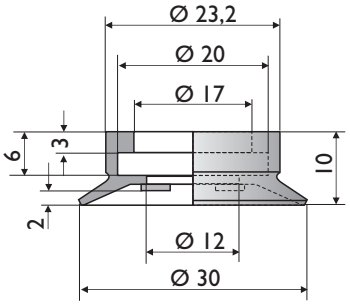


Art. No.: F0.030.016.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 2,0 g

* Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteil/*Fitting*
AT.0234 - IG 1/8"

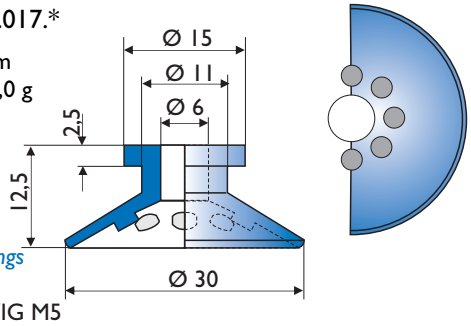


Art. No.: F0.030.017.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight:* 2,0 g

*Material:
Vinyl blau/*blue*

Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238 - AG 1/8"/IG M5



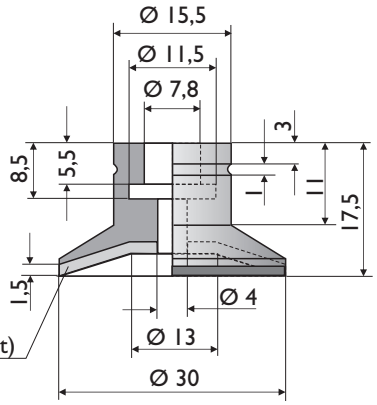
Art. No.: F0.030.020.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 4,0 g

* Material:
Silikon transparent

Anschlussteil/*Fitting*
AT.0015 - AG 1/8"

Schwamm (Si rot)
Sponge (Si red)



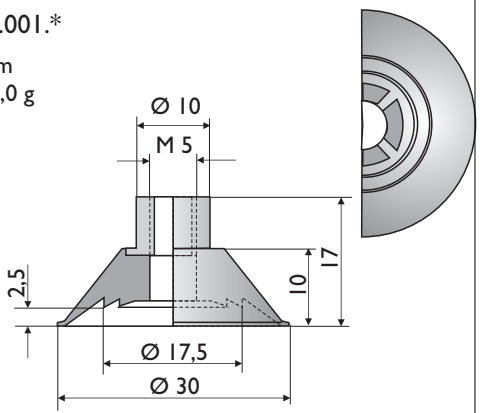
für genarbte Teile, abdruckfrei, temperaturbeständig bis 200° C

for grained parts, anti-marking, heat resistant up to +200° C

Art. No.: F1.030.001.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 4,0 g

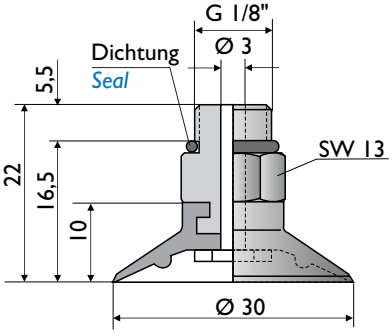
* Material:
Silikon rot/*red*
CR schwarz/*black*



Art. No.: F2.030.001.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 6,0 g

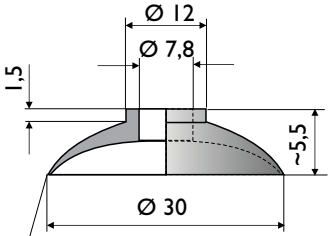
* Material:
NBR schwarz/*black*
Silikon blau/*blue*
Silikon transparent



Art. No.: F0.030.012.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 1,0 g

* Material:
NBR schwarz/*black* 60° Shore
NR schwarz/*black* 40° Shore
Silikon rot/*red* 60° Shore



feine Sauglippe
thin suction lip

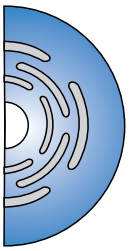
Vakuumflachsauger Ø 32 mm

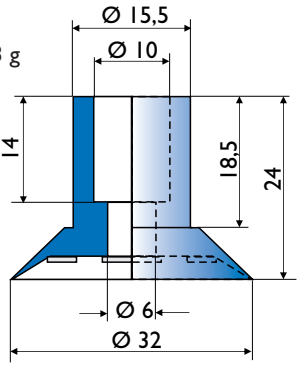
Flat Vacuum Suction Cups dia. 32 mm

Art. No.: F0.032.002.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 4,3 g

* Material:
Vinyl blau/*blue*



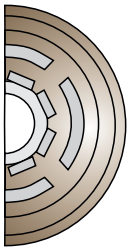


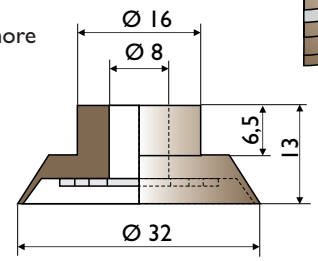
Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"

Art. No.: F0.032.003.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 3,2 g

* Material:
NR braun/*brown* 40° Shore



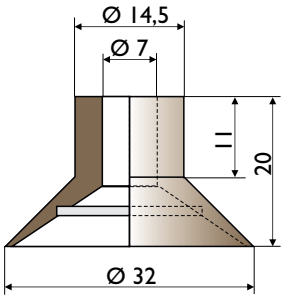


Anschlussteil/*Fitting*
AT.0538 - AG 1/8"

Art. No.: F0.032.004.*

Hub/*Stroke*: 5,0 mm
Gewicht/*Weight*: 3,4 g

* Material:
NR braun/*brown* 40° Shore

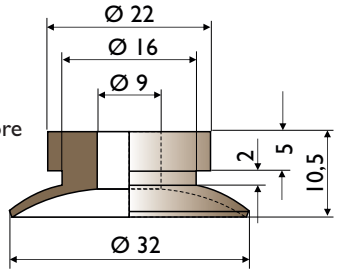


Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238 - AG 1/8"/IG M5

Art. No.: F0.032.005.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 3,0 g

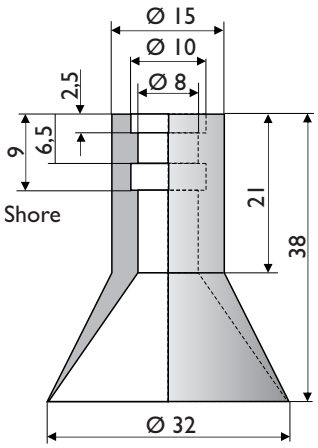
* Material:
NR braun/*brown* 40° Shore



Art. No.: F0.032.007.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 4,2 g

*Material:
Silikon transparent 30°/50° Shore



Anschlussteil/*Fitting*
AT.0538 - AG 1/8"

Vakuumflachsauger Ø 32 mm

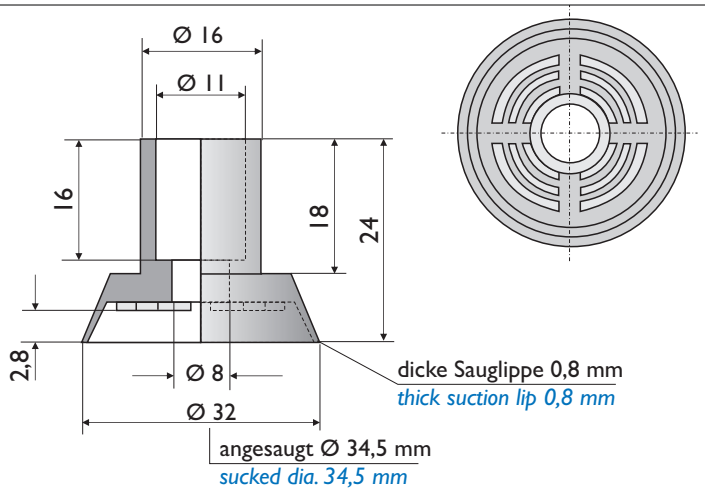
Flat Vacuum Suction Cups dia. 32 mm

Art. No.: F0.032.010.*

Hub/*Stroke*: 2,8 mm
Gewicht/*Weight*: 4,3 g

*Material:
NBR schwarz/*black* 50° Shore
NR beige 40° Shore
Silikon transparent 50° Shore

Anschlussteile/*Fittings*
AT.0227 - AG M5
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"
00 08 15 - AG 1/4" x IG M8
00 08 21 - IG 1/4"

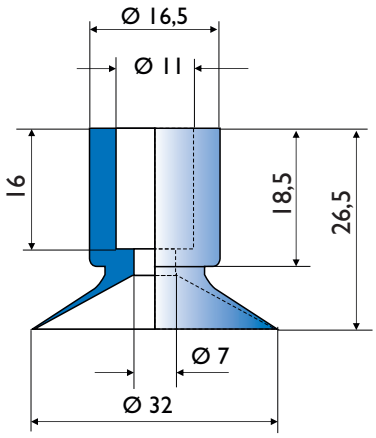


Art. No.: F0.032.013.*

Hub/*Stroke*: 5,5 mm
Gewicht/*Weight*: 3,6 g

*Material:
Vinyl blau/*blue*

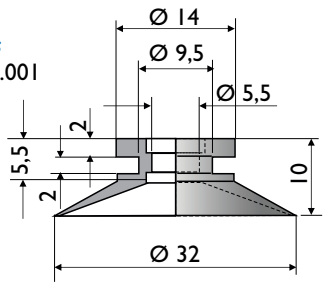
Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"



Art. No.: F0.032.046.*
ohne Abstützrippen/*without cleats*
Option: Haltering/*holding ring* HR.001

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 1,8 g

*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50 Shore

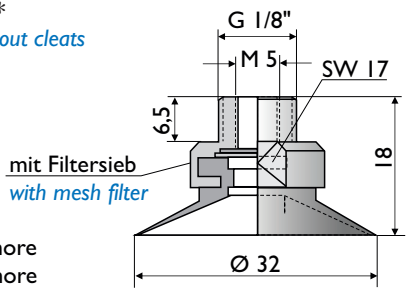


Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0250 - AG 1/8"-IG M5 (SH=3,5)
AT.0802 - AG 1/8"-IG M5 (SH=1,8 Standard)
AT.0802.FS - AG 1/8"-IG M5 (SH=1,8 mit Filtersieb/*with mesh filter*)
AT.0803 - AG 1/8"-IG M5 (SH=4,5 Standard)
AT.0803.FS - AG 1/8"-IG M5 (SH=4,5 mit Filtersieb/*with mesh filter*)
AT.0809 - IG 1/8" (Standard)
AT.0809.FS - IG 1/8" (mit Filtersieb/*with mesh filter*)

Art. No.: F0.032.047.*
ohne Abstützrippen/*without cleats*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 4,6 g

*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50 Shore



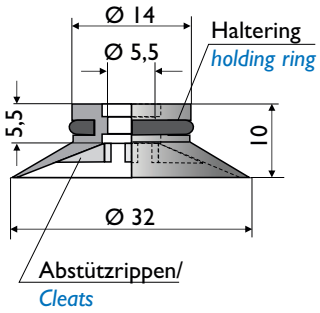
Vakuumflachsauger Ø 32 mm

Flat Vacuum Suction Cups dia. 32 mm

Art. No.: F0.032.030.*
mit Haltering und Abstützrippen/
with cleats and holding ring

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 2,1 g

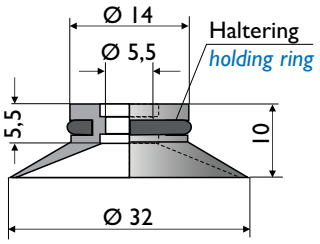
*Material:
NBR schwarz/*black* 55° Shore
Silikon rot/*red* 50° Shore
Silikon transparent 50° Shore



Art. No.: F0.032.036.*
mit Haltering, ohne Abstützrippen/
without cleats, with holding ring

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 2,4 g

*Material:
NBR schwarz/*black* 55° Shore
Silikon rot/*red* 50° Shore
Silikon transparent 50° Shore

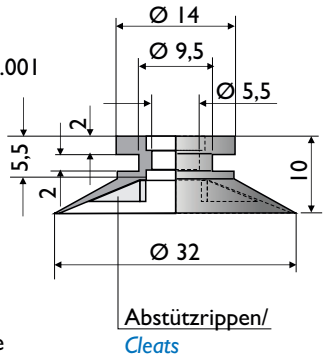


Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0250 - AG 1/8"-IG M5 (SH=3,5)
AT.0802 - AG 1/8"-IG M5 (SH=1,8 Standard)
AT.0802.FS - AG 1/8"-IG M5 (SH=1,8 mit Filtersieb/*with mesh filter*)
AT.0803 - AG 1/8"-IG M5 (SH=4,5 Standard)
AT.0803.FS - AG 1/8"-IG M5 (SH=4,5 mit Filtersieb/*with mesh filter*)
AT.0809 - IG 1/8" (Standard)
AT.0809.FS - IG 1/8" (mit Filtersieb/*with mesh filter*)

Art. No.: F0.032.040.*
mit Abstützrippen/*with cleats*
Option: Haltering/*holding ring* HR.001

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 2,2 g

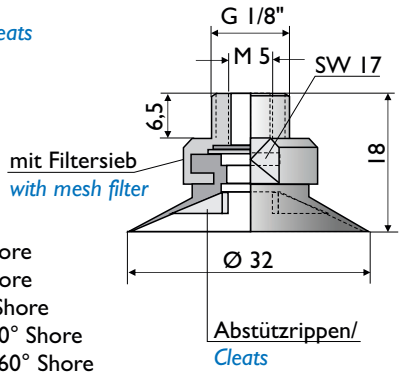
*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50 Shore
Polyurethan orange 50° Shore
Polyurethan grün/*green* 30° Shore
Polyurethan transparent 60° Shore



Art. No.: F0.032.041.*
mit Abstützrippen/*with cleats*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 5,1 g

*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50 Shore
Polyurethan orange 50° Shore
Polyurethan grün/*green* 30° Shore
Polyurethan transparent 60° Shore

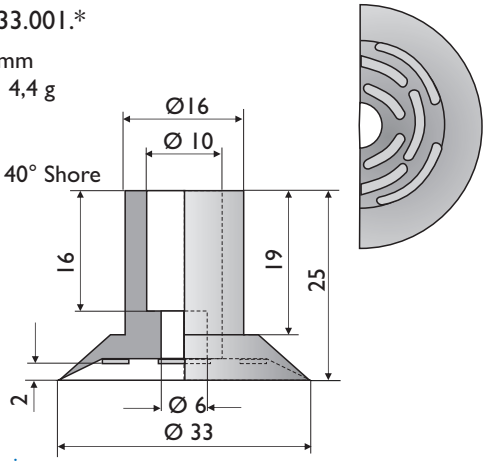


Anschlussteile/*Fittings*
AT.0094 - AG M5
AT.0250 - AG 1/8"-IG M5 (SH=3,5)
AT.0802 - AG 1/8"-IG M5 (SH=1,8 Standard)
AT.0802.FS - AG 1/8"-IG M5 (SH=1,8 mit Filtersieb/*with mesh filter*)
AT.0803 - AG 1/8"-IG M5 (SH=4,5 Standard)
AT.0803.FS - AG 1/8"-IG M5 (SH=4,5 mit Filtersieb/*with mesh filter*)
AT.0809 - IG 1/8" (Standard)
AT.0809.FS - IG 1/8" (mit Filtersieb/*with mesh filter*)

Art. No.: F0.033.001.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 4,4 g

*Material:
NR braun/*brown* 40° Shore
CR rot/*red*

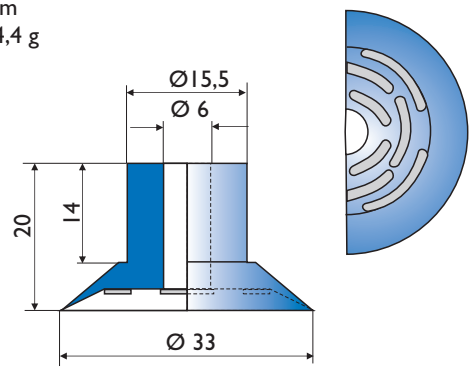


Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"

Art. No.: F0.033.002.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 4,4 g

*Material:
Vinyl blau/*blue*

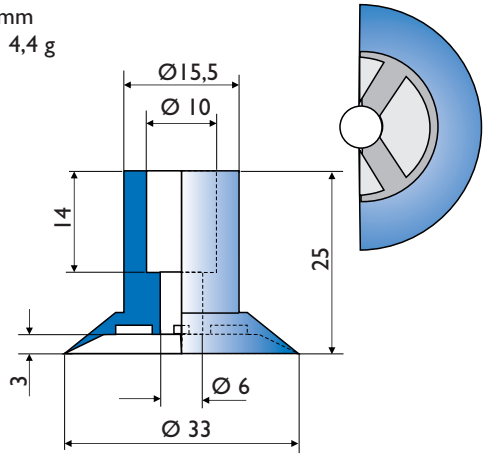


Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238 - AG 1/8"/IG M5

Art. No.: F0.033.003.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 4,4 g

*Material:
Vinyl blau/*blue*

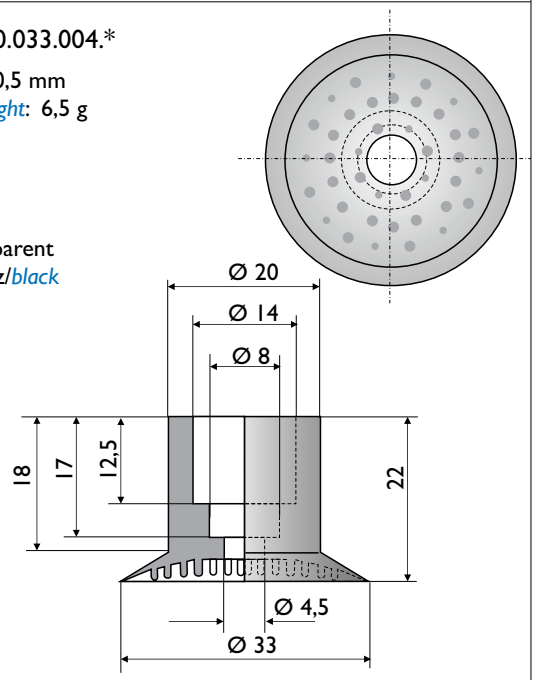


Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"

Art. No.: F0.033.004.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 6,5 g

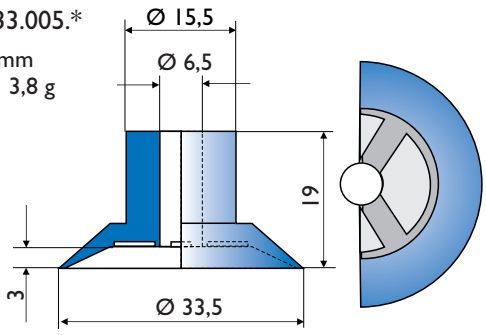
*Material:
Silikon transparent
NBR schwarz/*black*



Art. No.: F0.033.005.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 3,8 g

*Material:
Vinyl blau/*blue*



Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238 - AG 1/8"/IG M5

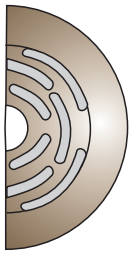
Vakuumflachsauger Ø 34 mm

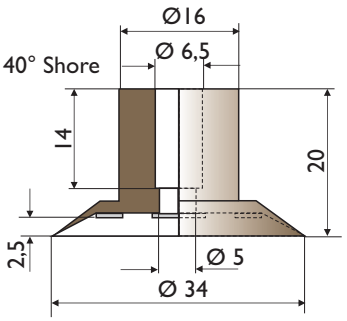
Flat Vacuum Suction Cups dia. 34 mm

Art. No.: F0.034.002.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 4,8 g

* Material:
NR braun/*brown* 40° Shore



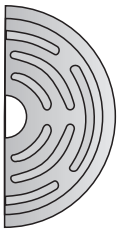


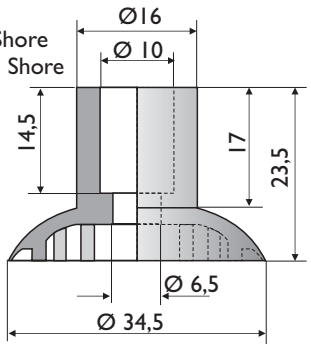
Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238 - AG 1/8"/IG M5

Art. No.: F0.034.003.*

Hub/*Stroke*: 0,0 mm
Gewicht/*Weight*: 5,0 g

* Material:
NR braun/*brown* 40° Shore
NR schwarz/*black* 50° Shore



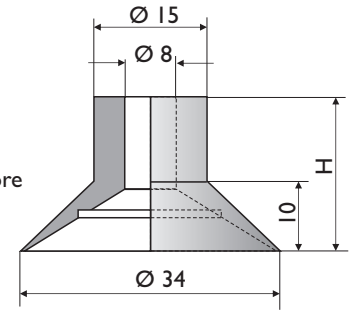


Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4

Art. No.: F0.034.001.*

Hub/*Stroke*: 5,0 mm
Gewicht/*Weight*: 4,0 g

* Material:
NBR schwarz/*black* 50° Shore
NR braun/*brown* 40° Shore



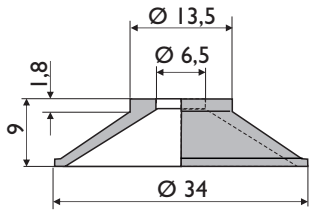
Anschlussteil/*Fitting*
AT.0538 - AG 1/8"

H 20 mm = F0.034.001
H 16 mm = F0.034.001.H16

Art. No.: F0.034.004.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 2,1 g

*Material:
Silikon transparent 50° Shore



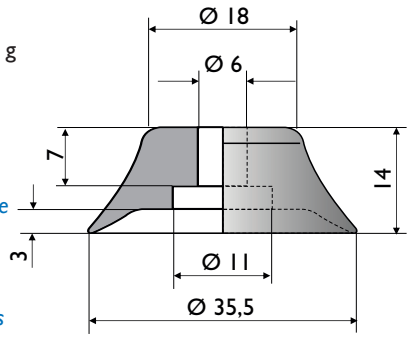
Vakuumflachsauger Ø 35 mm

Flat Vacuum Suction Cups dia. 35 mm

Art. No.: F0.035.001.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 6,0 g

*Material:
NBR schwarz/*black*
Silikon transparent
Polyurethan blau/*blue*

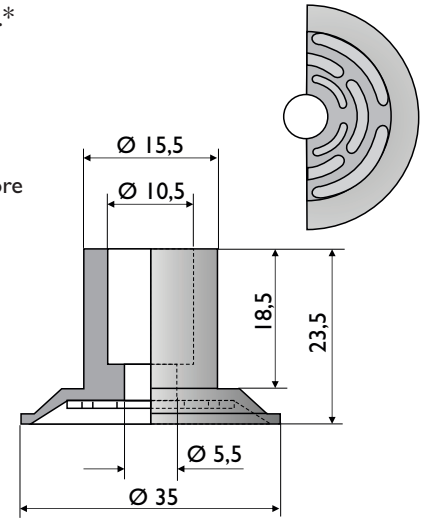


Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0057 - AG M6
AT.0538 - AG 1/8"
AT.0619 - IG 1/8"
AT.0274 - AG 1/4"
AT.0275 - IG 1/4"

Art. No.: F0.035.003.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 5,8 g

*Material:
NR weiss/*white* 40° Shore



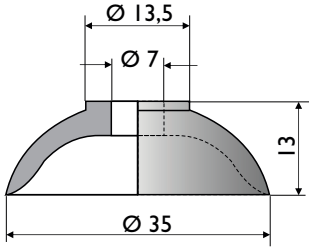
Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"

Mindestbestellmenge 25 Stück
Minimum order 25 pieces

Art. No.: F0.035.004.*

Hub/*Stroke:* 5,0 mm
Gewicht/*Weight*: 3,2 g

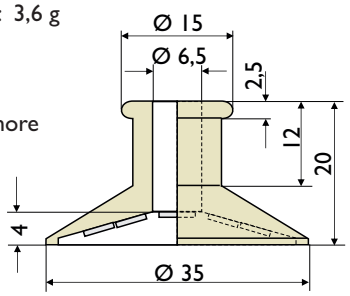
*Material:
NR schwarz/*black*
NR braun/*brown* 40° Shore



Art. No.: F0.035.005.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 3,6 g

*Material:
NR beige 40° Shore

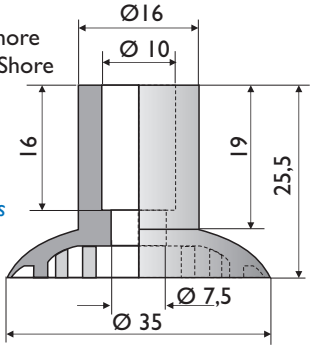


Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238 - AG 1/8"/IG M5

Art. No.: F0.035.006.*

Hub/*Stroke*: 0,0 mm
Gewicht/*Weight*: 6,0 g

* Material:
NR gelb/*yellow* 40° Shore
PU braun/*brown* 60° Shore

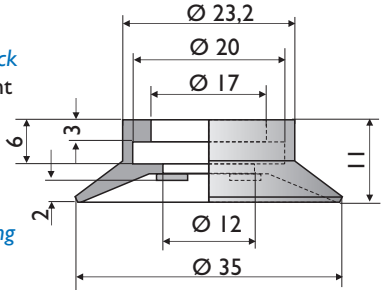


Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"

Art. No.: F0.035.008.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 2,5 g

* Material:
NBR schwarz/*black*
Silikon transparent



Anschlussteil/*Fitting*
AT.0234 - IG 1/8"

Vakuumflachsauger Ø 35 mm

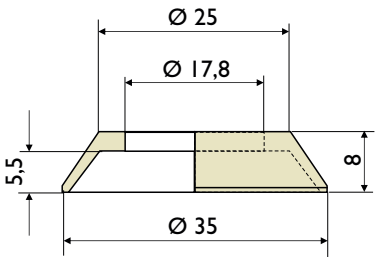
Flat Vacuum Suction Cups dia. 35 mm

Art. No.: F0.035.009.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 2,0 g

*Material:
NR beige 40° Shore

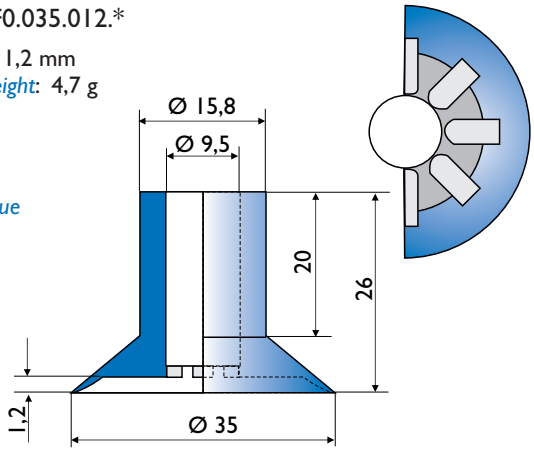
Anschlussteile/*Fittings*
AT.0811 - IG 1/8"
AT.0132 - AG 1/8"
AT.0850 - AG 1/4"



Art. No.: F0.035.012.*

Hub/*Stroke*: 1,2 mm
Gewicht/*Weight*: 4,7 g

*Material:
Vinyl blau/*blue*



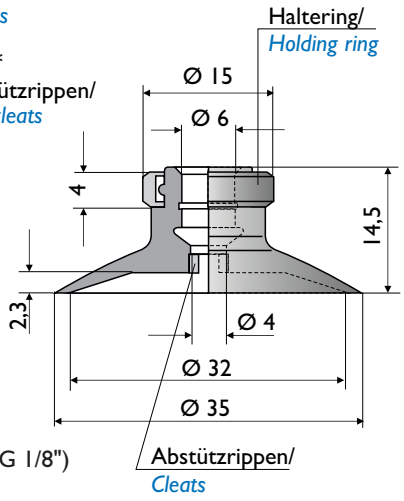
Art. No.: F0.035.011.*.Ring (Standard)
mit Haltering und Abstützrippen/
with holding ring and cleats

Art. No.: F0.035.011.*
ohne Haltering, mit Abstützrippen/
without holding ring, with cleats

Hub/*Stroke*: 2,3 mm
Gewicht/*Weight*: 5,0 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238.M5 - (IG M5 - AG 1/8")



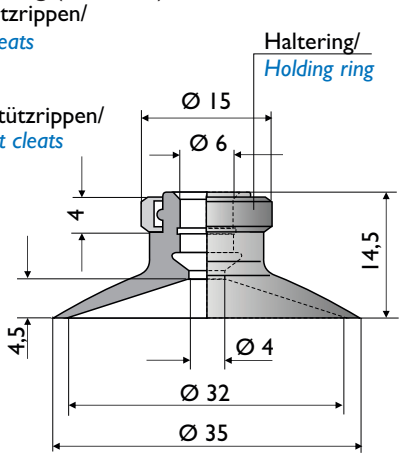
Art. No.: F0.035.010.*.Ring (Standard)
mit Haltering, ohne Abstützrippen/
with holding ring, without cleats

Art. No.: F0.035.010.*
ohne Haltering, ohne Abstützrippen/
without holding ring, without cleats

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 3,8 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238.M5 - (IG M5 - AG 1/8")

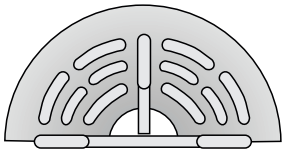


Vakuumflachsauger Ø 36 mm

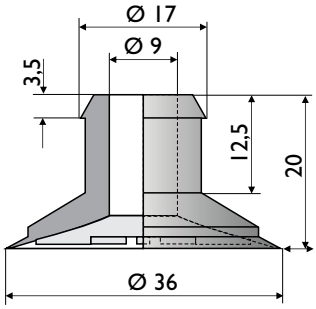
Flat Vacuum Suction Cups dia. 36 mm

Art. No.: F0.036.001.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 5,0 g

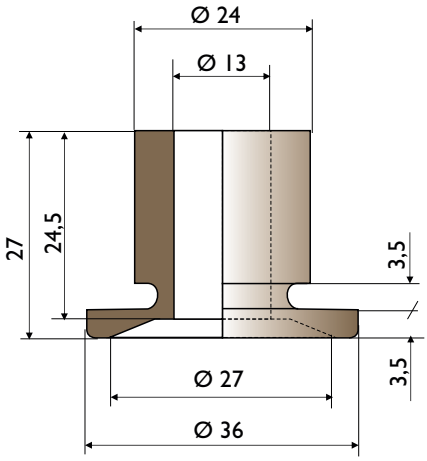


* Material:
NBR schwarz/*black*
Silikon transparent



Art. No.: F0.036.002.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 9,7 g

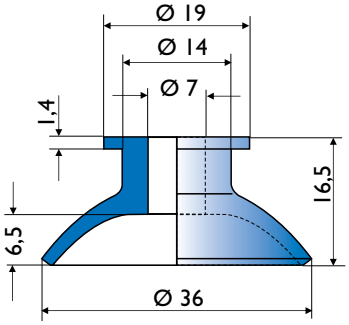


* Material:
NR braun/*brown*
40° Shore

Anschlussteile/*Fittings*
AT.0812 - AG 1/8"
AT.0813 - IG 1/8"
AT.0824 - AG 1/4"

Art. No.: F0.036.004.*

Hub/*Stroke*: 6,0 mm
Gewicht/*Weight*: 4,3 g

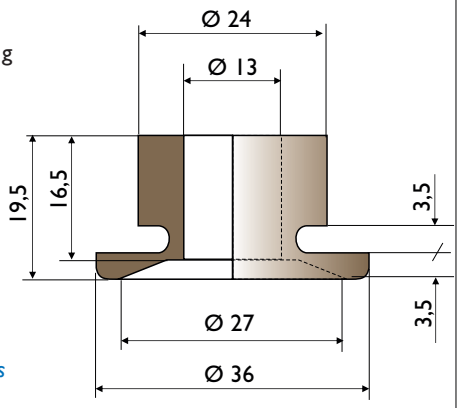


* Material:
Vinyl blau/*blue*

Anschlussteile/*Fittings*
00 08 82 - AG 1/8"
AT.0274 - AG 1/4"

Art. No.: F0.036.005.*

Hub/*Stroke*: 1,5 mm
Gewicht/*Weight*: 7,5 g



* Material:
NR braun/*brown*
40° Shore

Anschlussteile/*Fittings*
AT.0812 - AG 1/8"
AT.0813 - IG 1/8"
AT.0824 - AG 1/4"

Vakuumflachsauger Ø 38 mm

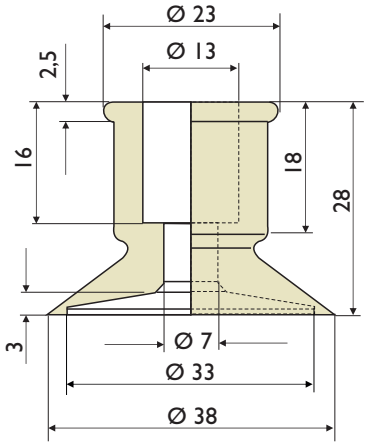
Flat Vacuum Suction Cups dia. 38 mm

Art. No.: F0.038.004.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 8,0 g

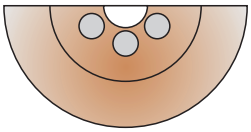
* Material:
NR beige 40° Shore

Anschlussteil/*Fitting*
AT.0824 - AG 1/4"



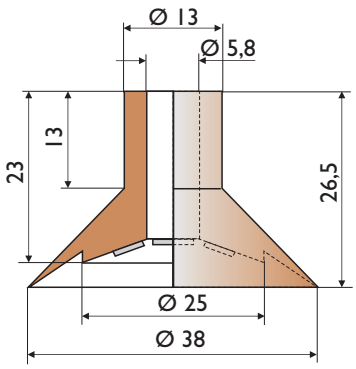
Art. No.: F0.038.005.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 5,8 g



* Material:
Polyurethan braun/*brown*

Anschlussteile/*Fittings*
AT.0702 - AG M5
AT.0238 - AG 1/8"/IG M5

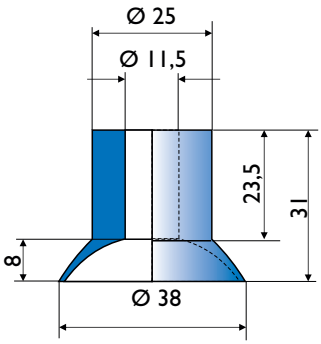


Art. No.: F0.038.006.*

Hub/*Stroke*: 5,0 mm
Gewicht/*Weight*: 12 g

* Material:
Vinyl blau/*blue*

Anschlussteil/*Fitting*
AT.0049 - AG 1/4"

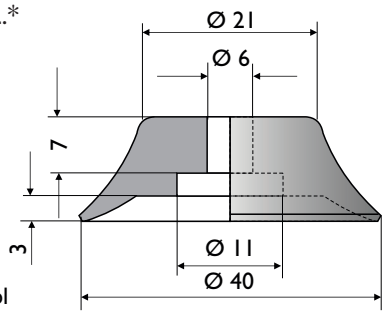


Vakuumflachsauger Ø 40 mm

Flat Vacuum Suction Cups dia. 40 mm

Art. No.: F0.040.002.*

Hub/*Stroke:* 3,0 mm
Gewicht/Weight: 8,2 g



* Material:
NBR schwarz/*black*
Silikon transparent
PUR blau/*blue*

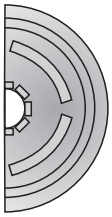
Art.No.: F0.040.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C

Anschlussteile/*Fittings*

AT.0702 - AG M5	AT.0619 - IG 1/8"
AT.0057 - AG M6	AT.0274 - AG 1/4"
AT.0538 - AG 1/8"	AT.0275 - IG 1/4"

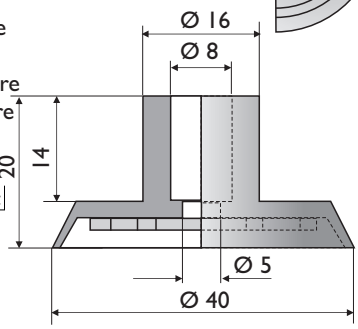
Art. No.: F0.040.003.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 4,8 g



* Material:
NR schwarz/*black* 50° Shore
NR braun/*brown* 40° Shore
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore

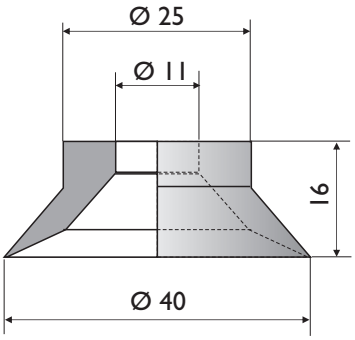
auf Wunsch/*on request*::
Höhe/*height* 12 mm



Anschlussteil/*Fitting*
AT.0538 - AG 1/8"

Art. No.: F0.040.004.*

Hub/*Stroke*: 5,0 mm
Gewicht/*Weight*: 5,5 g



*Material:
Silikon transparent 50° Shore
NR braun/*brown* 40° Shore**

Anschlussteile/*Fittings*
00 08 44 = AG 1/8"
00 08 22 = AG 1/4"

Besonderheit:
- für besonders unebene Flächen

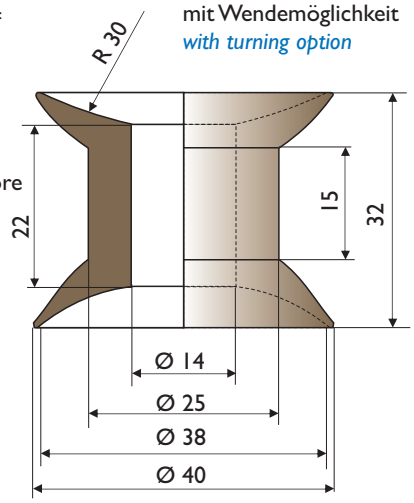
Special use:
- *for uneven surfaces*

Art. No.: F0.040.005.*

mit Wendemöglichkeit
with turning option

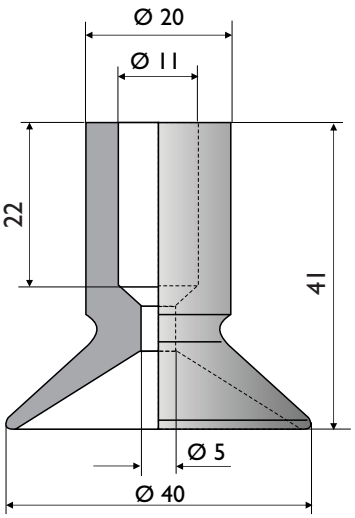
Hub/*Stroke*: 5,0 mm
Gewicht/*Weight*: 14 g

*Material:
NR braun/*brown* 38° Shore



Art. No.: F0.040.006.*

Hub/*Stroke*: 5,0 mm
Gewicht/*Weight*: 18 g

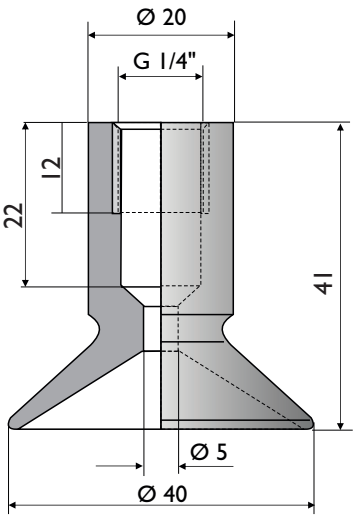


*Material:
Silikon transparent 50° Shore
NR schwarz/*black* 50° Shore

Anschlussteil/*Fitting*
AT.0049 - AG 1/4"

Art. No.: F1.040.001.*

Hub/*Stroke*: 5,0 mm
Gewicht/*Weight*: 18 g



*Material:
Silikon transparent 50° Shore
NR schwarz/*black* 50° Shore

Anschlussteil/*Fitting*
AT.0049 - AG 1/4"

Vakuumflachsauger Ø 40 mm

Flat Vacuum Suction Cups dia. 40 mm

Art. No.: F0.040.007.*

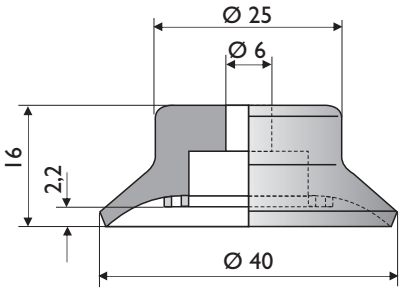
Hub/*Stroke*: 2,2 mm
Gewicht/*Weight*: 9,0 g

* Material:
NBR schwarz/*black*

Vorteile:
- Hoch ölbeständige NBR-Qualität
- Verstärkte Sauglippe mit Abstützrippen für mehr Positionsstabilität

Advantages:
- *High oil resistant NBR quality*
- *Reinforced lip with cleats for a better position stability*

Anschlussteile/*Fittings*
AT.0312 - AG M6
AT.0539 - AG 1/8"

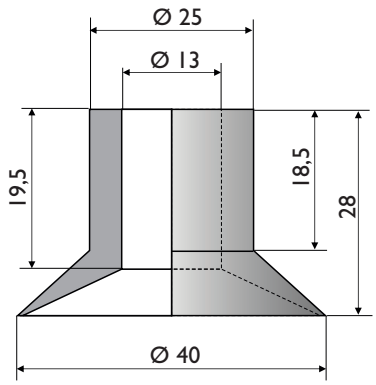


Art. No.: F0.040.008.*

Hub/*Stroke*: 5,0 mm
Gewicht/*Weight*: 7,5 g

* Material:
Silikon transparent
NR braun/*brown* 40° Shore

Anschlussteil/*Fitting*
AT.0049 - AG 1/4"

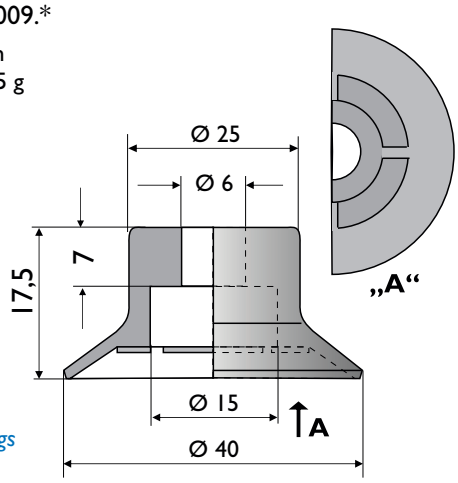


Art. No.: F0.040.009.*

Hub/*Stroke:* 4,5 mm
Gewicht/*Weight*: 7,5 g

* Material:
NBR schwarz/*black*
Silikon transparent
PUR blau/*blue*
FKM grau/*grey*

Anschlussteile/*Fittings*
AT.0312 - AG M6
AT.0538 - AG 1/8"

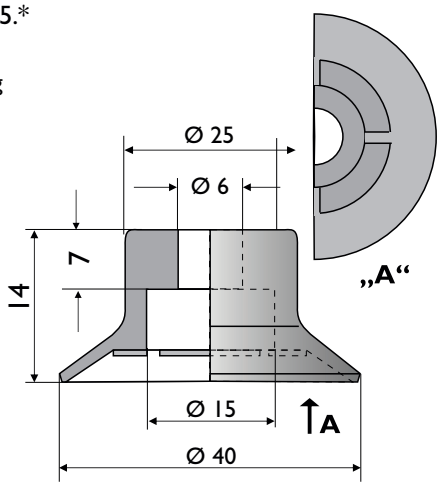


Art. No.: F0.040.015.*

Hub/*Stroke:* 2,0 mm
Gewicht/*Weight*: 8,5 g

* Material:
NBR schwarz/*black*
Silikon transparent
PUR blau/*blue*
FKM grau/*grey*
Silikon schwarz/*black*
antistatisch/*anitstatic*

Anschlussteile/*Fittings*
AT.0312 - AG M6
AT.0538 - AG 1/8"

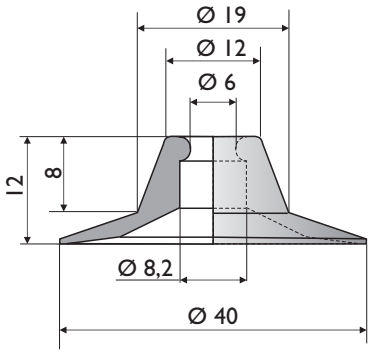


Art. No.: F0.040.011.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight:* 3,2 g

*Material:
NBR schwarz/*black*

Anschlussteile/*Fittings*
AT.0200 - AG M5
AT.0538 - AG 1/8"

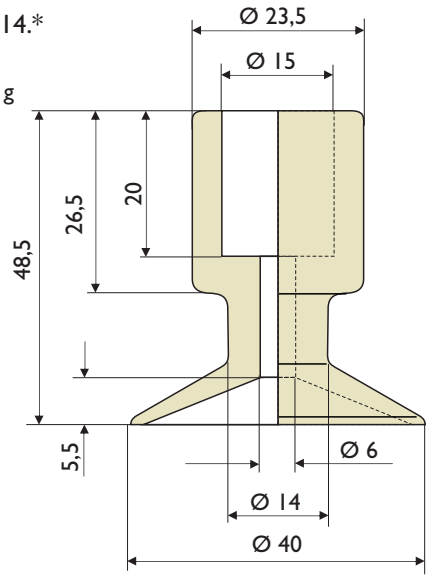


Art. No.: F0.040.014.*

Hub/*Stroke*: 5,5 mm
Gewicht/*Weight*: 7,0 g

*Material:
NR beige 40° Shore

Anschlussteil/*Fitting*
00 08 09 - AG 1/4"

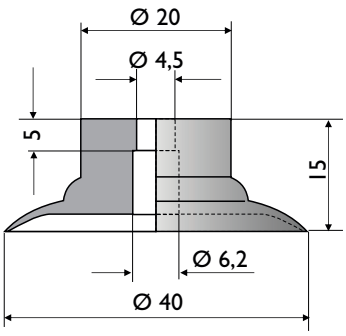


Vakuumflachsauger Ø 40 mm

Flat Vacuum Suction Cups dia. 40 mm

Art. No.: F0.040.016.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 8,0 g

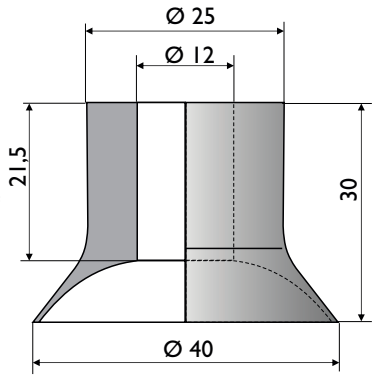


* Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
Silikon schwarz/*black*
antistatisch/*antistatic* 50° Shore
Fluorsilikon rot/*red* 40° Shore

Anschlussteile/*Fittings*
AT.0613 - AG M5
AT.0003 - AG 1/8"

Art. No.: F0.040.017.*

Hub/*Stroke*: 5,0 mm
Gewicht/*Weight*: 12 g

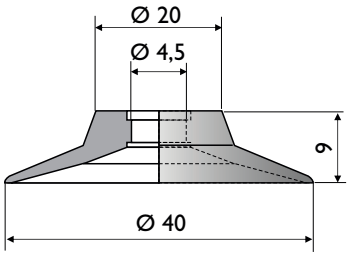


* Material:
NBR schwarz/*black*
Silikon transparent
NR braun/*brown* 40° Shore

Anschlussteil/*Fitting*
AT.0049 - AG 1/4"

Art. No.: F0.040.019.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 4,0 g

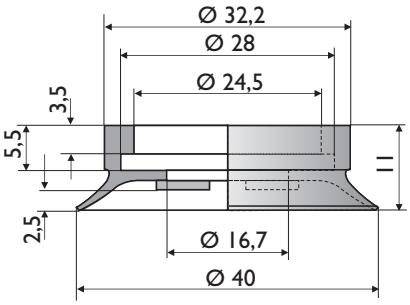


* Material:
CR schwarz/*black*

Anschlussteile/*Fittings*
AT.0802 - AG 1/8"/IG M5
AT.0802.FS - AG 1/8"/IG M5
AT.0809 - IG 1/8"
AT.0809.FS - IG 1/8"

Art. No.: F0.040.018.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 4,0 g

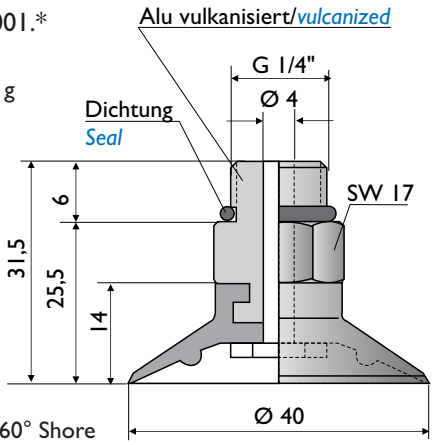


*Material:
NBR schwarz/*black*
-25 - +120° C
Silikon transparent
-60 - +250° C
auf Anfrage/*on request*:
Polyurethan blau/*blue* -20 - +75° C
FKM (Viton®) schwarz/*black* -10 - +230° C

Anschlussteil/*Fitting*
AT.0235 - IG 1/8"

Art. No.: F2.040.001.*

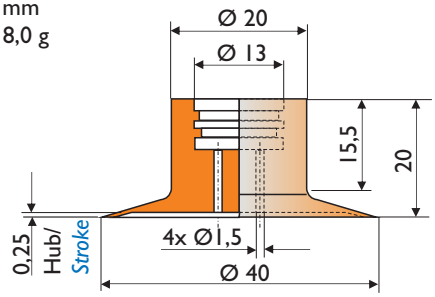
Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 14 g



* Material:
NBR schwarz/*black* 60° Shore
Silikon blau/*blue* 60° Shore

Art. No.: SV.040.003.*

Hub/*Stroke*: 0,25 mm
Gewicht/*Weight*: 8,0 g



*Material:
NR orange 40° Shore

Anschlussteile/*Fittings*
AT.0097 - AG 1/4"
AT.0098 - IG 1/4"

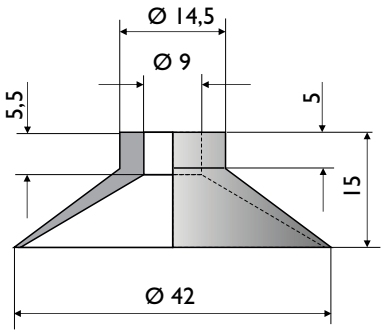
Vakuumflachsauger Ø 42 - 43 mm

Flat Vacuum Suction Cups dia. 42 - 43 mm

Art. No.: F0.042.003.*

Hub/*Stroke:* 7,0 mm
Gewicht/*Weight:* 3,0 g

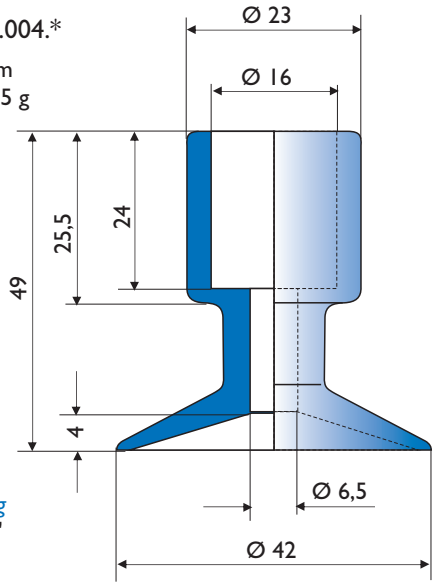
* Material:
NR schwarz/*black*



Art. No.: F0.042.004.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 15 g

*Material:
Vinyl blau/*blue*



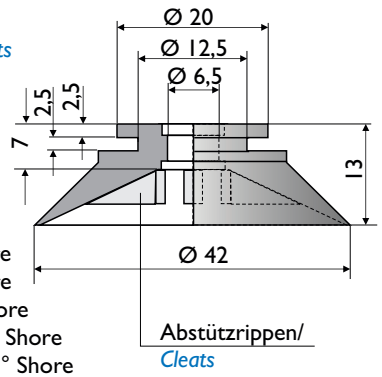
Anschlussteil/*Fitting*
00 08 09 - AG 1/4"

Art. No.: F0.042.040.*
mit Abstützrippen/*with cleats*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 5,4 g

Option: Haltering/
holding ring HR.002

*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50 Shore
Polyurethan orange 50° Shore
Polyurethan grün/*green* 30° Shore
Polyurethan transparent 60° Shore

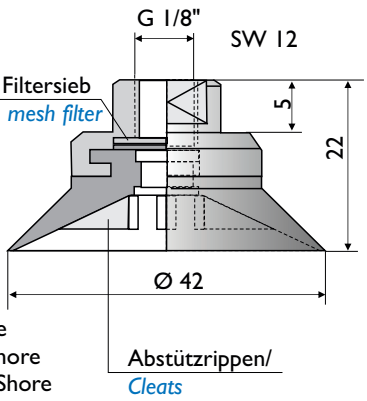


Art. No.: F0.042.041.*
mit Abstützrippen/*with cleats*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 11,3 g

mit Filtersieb
with mesh filter

*Material:
Chloropren schwarz/*black*
50° Shore
Silikon transparent 50 Shore
Polyurethan orange 50° Shore
Polyurethan grün/*green* 30° Shore
Polyurethan transparent 60° Shore



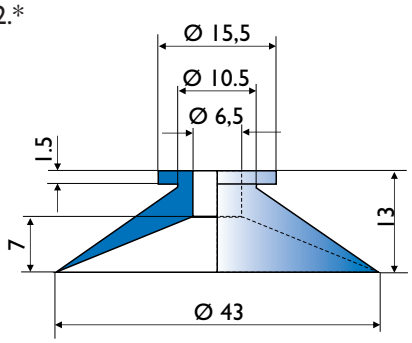
Anschlussteile/*Fittings*
AT.0814 - AG 1/8"
AT.0814.FS - AG 1/8" (mit Filtersieb/*with mesh filter*)
AT.0810 - IG 1/8"
AT.0810.FS - AG 1/8" (mit Filtersieb/*with mesh filter*)
AT.0823 - AG 1/4"
AT.0823.FS - AG 1/4" (mit Filtersieb/*with mesh filter*)
AT.0827.FS - IG 1/4"

Art. No.: F0.043.002.*

Hub/*Stroke*: 5,0 mm
Gewicht/*Weight*: 3,6 g

* Material:
Vinyl blau/*blue*

Anschlussteil/*Fitting*
AT.0702 - AG M5



Vakuumflachsauger Ø 42 - 43 mm

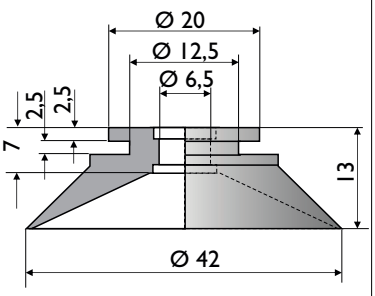
Flat Vacuum Suction Cups dia. 42 - 43 mm

Art. No.: F0.042.046.*
ohne Abstützrippen/*without cleats*

Option:
Haltering/*holding ring* HR.002

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 4,9 g

*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50° Shore

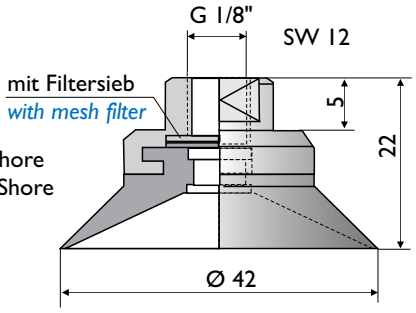


Anschlussteile/*Fittings*
AT.0814 - AG 1/8"
AT.0814.FS - AG 1/8" (mit Filtersieb/*with mesh filter*)
AT.0810 - IG 1/8"
AT.0810.FS - IG 1/8" (mit Filtersieb/*with mesh filter*)
AT.0823 - AG 1/4"
AT.0823.FS - AG 1/4" (mit Filtersieb/*with mesh filter*)
AT.0827.FS - IG 1/4"

Art. No.: F0.042.047.*
ohne Abstützrippen/*without cleats*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 10,5 g

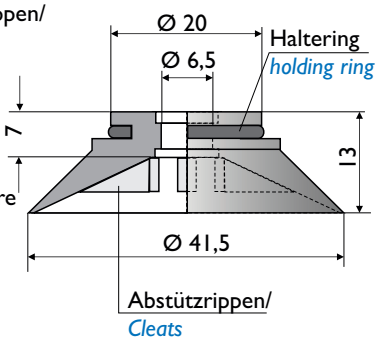
*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50° Shore



Art. No.: F0.042.030.*
mit Haltering und Abstützrippen/
with holding ring and cleats

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 5,5 g

*Material:
NBR schwarz/*black* 55° Shore
Silikon rot/*red* 50° Shore
Silikon transparent 50° hore

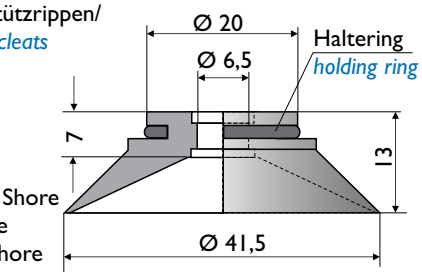


Anschlussteile/*Fittings*
AT.0814 - AG 1/8"
AT.0814.FS - AG 1/8" (mit Filtersieb/*with mesh filter*)
AT.0810 - IG 1/8"
AT.0810.FS - IG 1/8" (mit Filtersieb/*with mesh filter*)
AT.0823 - AG 1/4"
AT.0823.FS - AG 1/4" (mit Filtersieb/*with mesh filter*)
AT.0827.FS - IG 1/4"

Art. No.: F0.042.036.*
mit Haltering, ohne Abstützrippen/
with holding ring, without cleats

Hub/*Stroke*: 4,5 mm
Gewicht/*Weight*: 5,2 g

*Material:
NBR schwarz/*black* 55° Shore
Silikon rot/*red* 50° Shore
Silikon transparent 50° hore



Anschlussteile/*Fittings*
AT.0814 - AG 1/8"
AT.0814.FS - AG 1/8" (mit Filtersieb/*with mesh filter*)
AT.0810 - IG 1/8"
AT.0810.FS - IG 1/8" (mit Filtersieb/*with mesh filter*)
AT.0823 - AG 1/4"
AT.0823.FS - AG 1/4" (mit Filtersieb/*with mesh filter*)
AT.0827.FS - IG 1/4"

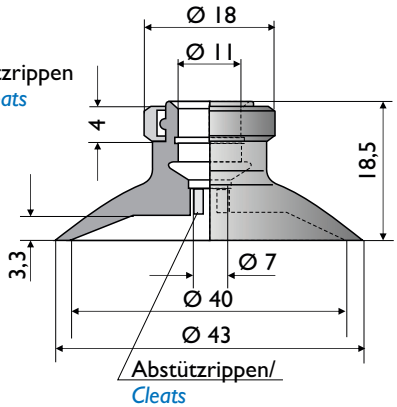
Art. No.: F0.043.004.*.Ring (Standard)
mit Haltering und Abstützrippen/
with holding ring and cleats

Art. No.: F0.043.004.*
ohne Haltering, mit Abstützrippen
without holding ring, with cleats

Hub/*Stroke*: 3,3 mm
Gewicht/*Weight*: 9,0 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
auf Anfrage/*on request*



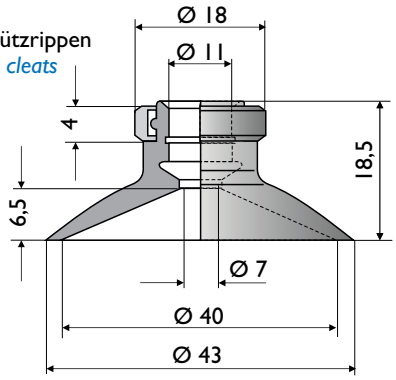
Art. No.: F0.043.003.*.Ring (Standard)
mit Haltering, ohne Abstützrippen/
with holding ring, without cleats

Art. No.: F0.043.003.*
ohne Haltering, ohne Abstützrippen
without holding ring, without cleats

Hub/*Stroke*: 5,5 mm
Gewicht/*Weight*: 7,5 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
auf Anfrage/*on request*



Vakuumflachsauger Ø 44 - 48 mm

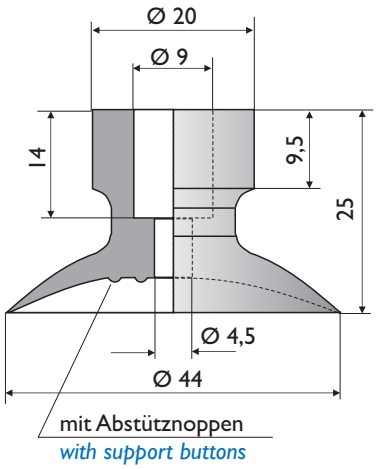
Flat Vacuum Suction Cups dia. 44 - 48 mm

Art. No.: F0.044.001.*

Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 10 g

* Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
AT.0814 - AG 1/8"
AT.0811 - IG 1/8"
AT.0823 - AG 1/4"
AT.0827 - IG 1/4"



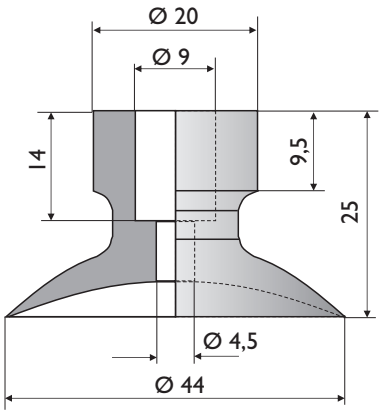
mit Abstützknoppen
with support buttons

Art. No.: F0.044.002.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 10 g

* Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
AT.0814 - AG 1/8"
AT.0811 - IG 1/8"
AT.0823 - AG 1/4"
AT.0827 - IG 1/4"



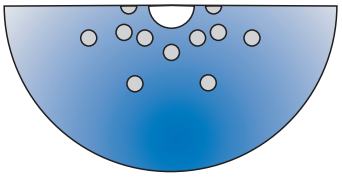
ohne Abstützknoppen
without support buttons

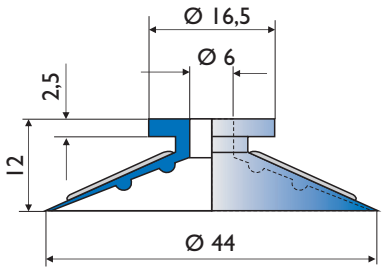
Art. No.: F0.044.003.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 4,8 g

* Material:
Vinyl blau/*blue*

Anschlussteil/*Fitting*
AT.0702 - AG M5



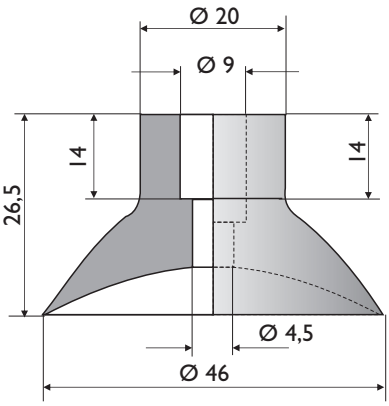


Art. No.: F0.046.001.*

Hub/*Stroke*: 6,0 mm
Gewicht/*Weight*: 10 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
AT.0814 - AG 1/8"
AT.0811 - IG 1/8"
AT.0823 - AG 1/4"
AT.0827 - IG 1/4"

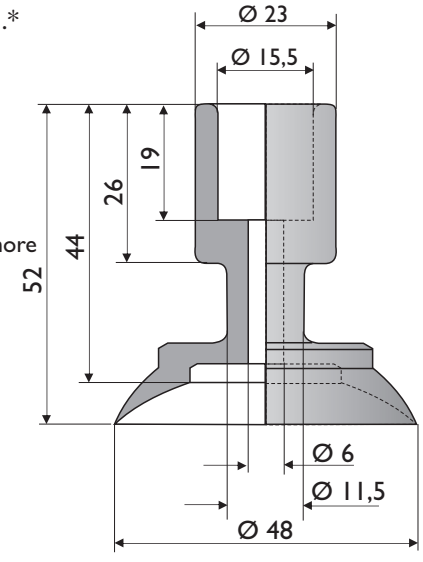


Art. No.: F0.048.001.*

Hub/*Stroke*: 8,0 mm
Gewicht/*Weight*: 19 g

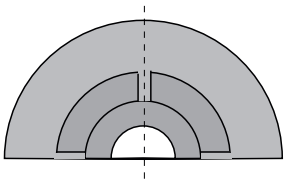
*Material:
NBR schwarz/*black*
NR braun/*brown* 40° Shore

Anschlussteil/*Fitting*
00 08 09 - AG 1/4"

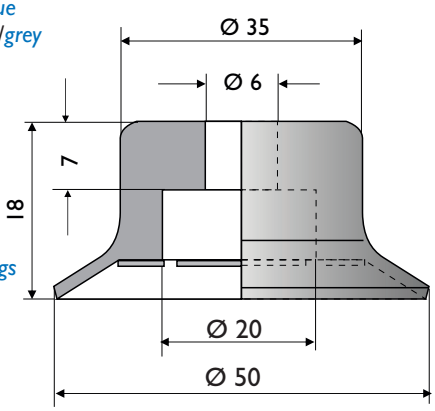


Art. No.: F0.050.001.*

Hub/*Stroke:* 6,5 mm
Gewicht/*Weight*: 16 g



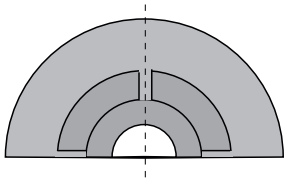
*Material:
NBR schwarz/*black*
Silikon transparent
Polyurethan blau/*blue*
FKM (Viton®) grau/*grey*



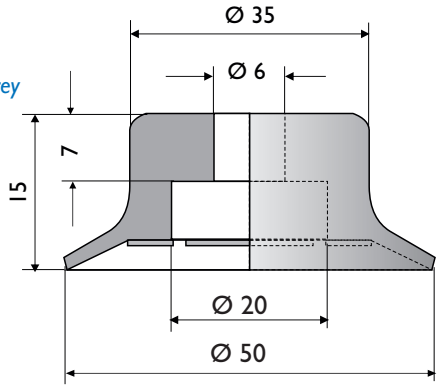
Anschlussteile/*Fittings*
AT.0312 - AG M6
AT.0538 - AG 1/8"

Art. No.: F0.050.005.*

Hub/*Stroke:* 2,0 mm
Gewicht/*Weight*: 20 g



*Material:
NBR schwarz/*black*
Silikon transparent
Silikon schwarz/*black*
antistatisch/*antistatic*
Polyurethan blau/*blue*
FKM (Viton®) grau/*grey*

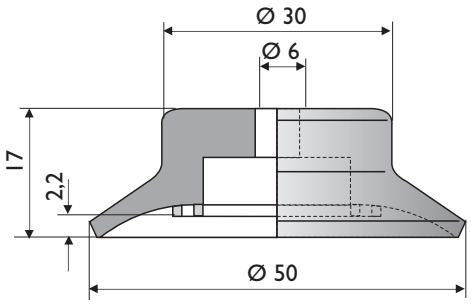


Anschlussteile/*Fittings*
AT.0312 - AG M6
AT.0538 - AG 1/8"

Art. No.: F0.050.003.*

Hub/*Stroke*: 2,2 mm
Gewicht/*Weight*: 14 g

*Material:
NBR schwarz/*black*



Vorteile:
- Hochölbeständige NBR-Qualität
- Verstärkte Sauglippe mit Abstützrippen für mehr Positionsstabilität

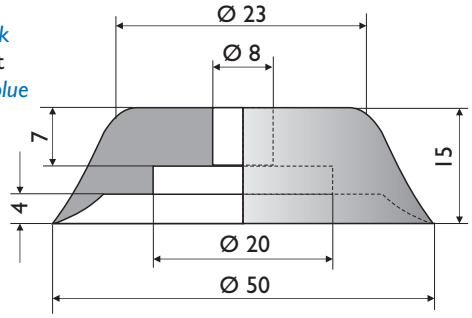
Advantages:
- *High oil resistant NBR quality*
- *Reinforced lip with cleats for a better position stability*

Anschlussteile/*Fittings*
AT.0312 - AG M6
AT.0539 - AG 1/8"

Art. No.: F0.050.004.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 10 g

*Material:
NBR schwarz/*black*
Silikon transparent
Polyurethan blau/*blue*



Art.No.: F0.050.004.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C

Anschlussteil/*Fitting*
AT.0612 - AG 1/8"

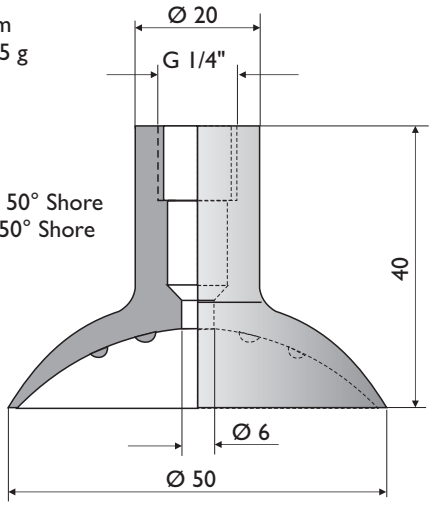
Vakuumflachsauger Ø 50 mm

Flat Vacuum Suction Cups dia. 50 mm

Art. No.: F1.050.002.*

Hub/*Stroke*: 9,0 mm
Gewicht/*Weight*: 15 g

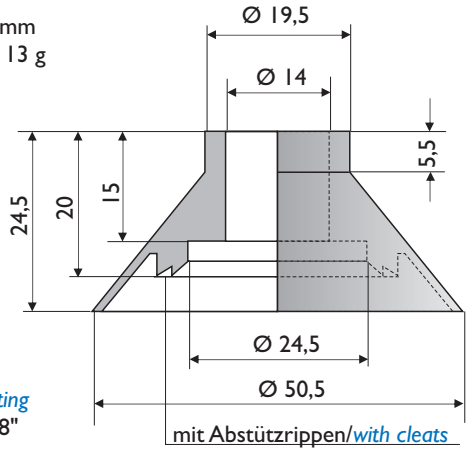
*Material:
Silikon transparent 50° Shore
NR schwarz/*black* 50° Shore



Art. No.: F0.050.007

Hub/*Stroke*: 4,5 mm
Gewicht/*Weight*: 13 g

*Material:
Chloropren
schwarz/*black*
Silikon rot/*red*

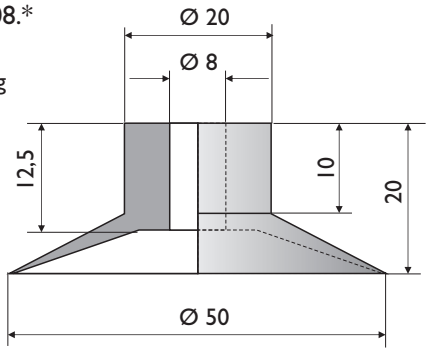


Anschlussteil/*Fitting*
AT.0184 - AG 1/8"

Art. No.: F0.050.008.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 8,0 g

*Material:
Silikon transparent
NR braun/*brown*
40° Shore

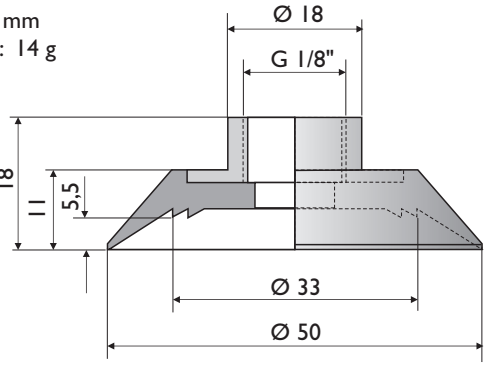


Anschlussteile/*Fittings*
AT.0132 - AG 1/8"
AT.0010 - AG 1/4"

Art. No.: F1.050.001.*

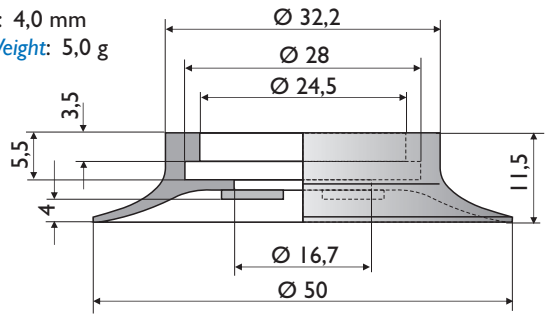
Hub/*Stroke*: 5,5 mm
Gewicht/*Weight*: 14 g

*Material:
Silikon rot/*red*
Chloropren
schwarz/*black*



Art. No.: F0.050.010.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 5,0 g

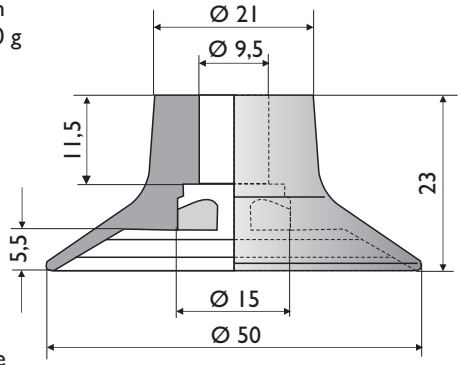


*Material:
NBR schwarz/*black* -25 - +120° C
Silikon transparent -60 - +250° C
Auf Anfrage/*on request*):
Polyurethan blau/*blue* -20 - +75° C
FKM (Vition®) schwarz/*black* -10 - +230° C

Anschlussteil/*Fitting*
AT.0235 - IG 1/8"

Art. No.: F0.050.011.*

Hub/*Stroke*: 4,5 mm
Gewicht/*Weight*: 10 g



*Material:
NBR grau/*grey*
NR beige 40° Shore

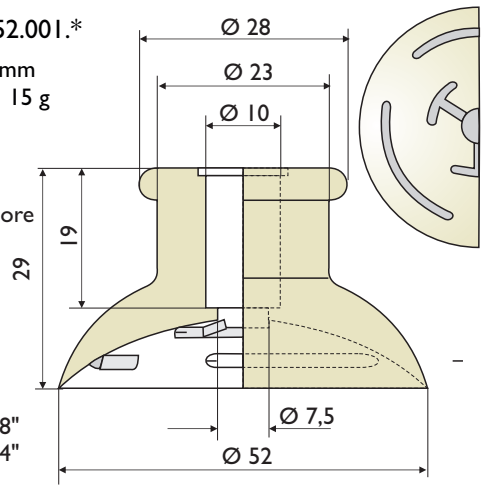
Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 -AG 1/4"

Art. No.: F0.052.001.*

Hub/*Stroke:* 6,0 mm
Gewicht/*Weight*: 15 g

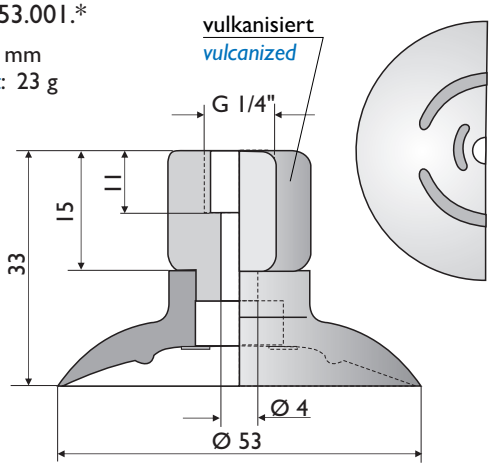
*Material:
NR beige 40° Shore

Anschlussteile/
Fittings
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"



Art. No.: F1.053.001.*

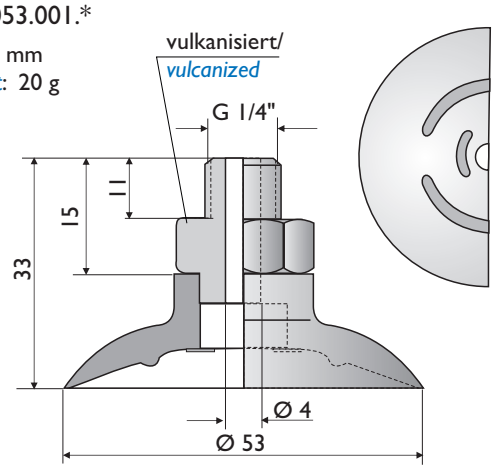
Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 23 g



*Material:
NBR schwarz/*black* 50° Shore
NR braun/*brown* 40° Shore
Silikon rot/*red* 50° Shore

Art. No.: F2.053.001.*

Hub/*Stroke*: 3,0 mm
Gewicht/*Weight*: 20 g



*Material:
NBR schwarz/*black* 50° Shore
NR braun/*brown* 40° Shore
Silikon rot/*red* 50° Shore

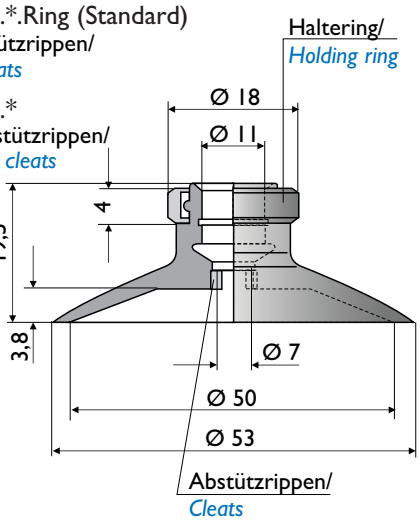
Art. No.: F0.053.006.*.Ring (Standard)
mit Haltering und Abstützrippen/
with holding ring and cleats

Art. No.: F0.053.006.*
ohne Haltering, mit Abstützrippen/
without holding ring, with cleats

Hub/*Stroke*: 3,8 mm
Gewicht/*Weight*: 13 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
auf Anfrage/*on request*



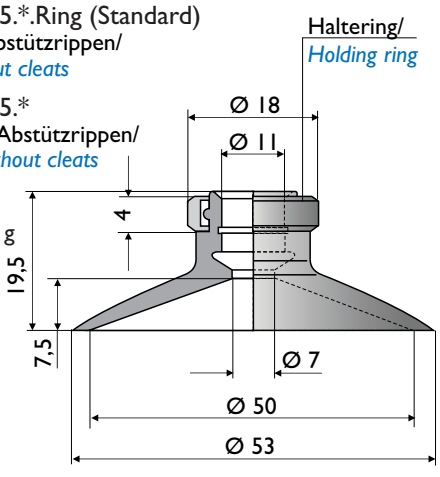
Art. No.: F0.053.005.*.Ring (Standard)
mit Haltering, ohne Abstützrippen/
with holding ring, without cleats

Art. No.: F0.053.005.*
ohne Haltering, ohne Abstützrippen/
without holding ring, without cleats

Hub/*Stroke*: 6,0 mm
Gewicht/*Weight*: 11,5 g

*Material:
NBR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
auf Anfrage/*on request*



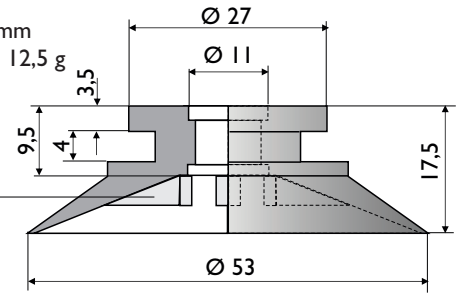
Vakuumflachsauger Ø 53 mm

Flat Vacuum Suction Cups dia. 53 mm

Art. No.: F0.053.040.*
mit Abstützrippen/*with cleats*

Option:
Haltering/*holding ring* HR.003

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 12,5 g

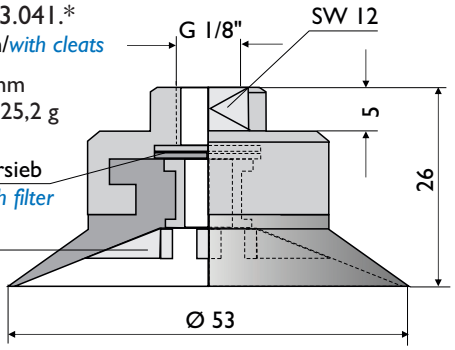


*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50 Shore
Polyurethan orange 50° Shore
Polyurethan grün/*green* 30° Shore
Polyurethan transparent 60° Shore

Anschlussteile/Fittings
AT.0813 - IG 1/8"
AT.0813.FS - IG 1/8"
AT.0824 - AG 1/4"
AT.0824.FS - AG 1/4"
AT.0836.FS - IG 1/4"
AT.0831.FS - IG 3/8"

Art. No.: F0.053.041.*
mit Abstützrippen/*with cleats*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 25,2 g

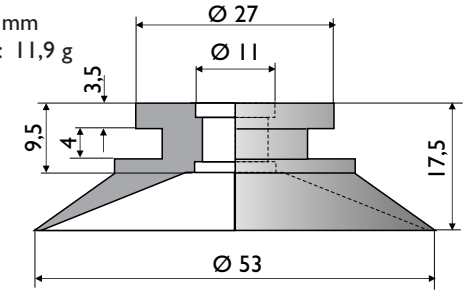


*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
Polyurethan orange 50° Shore
Polyurethan grün/*green* 30° Shore
Polyurethan transparent 60° Shore

Art. No.: F0.053.046.*
ohne Abstützrippen/*without cleats*

Option:
Haltering/*holding ring* HR.003

Hub/*Stroke*: 6,5 mm
Gewicht/*Weight*: 11,9 g

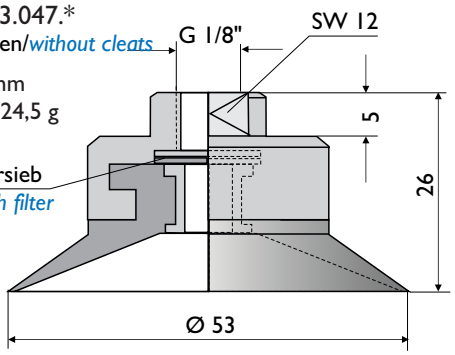


*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50 Shore

Anschlussteile/*Fittings*
AT.0813 - IG 1/8"
AT.0813.FS - IG 1/8"
AT.0824 - AG 1/4"
AT.0824.FS - AG 1/4"
AT.0836.FS - IG 1/4"
AT.0831.FS - IG 3/8"

Art. No.: F0.053.047.*
ohne Abstützrippen/*without cleats*

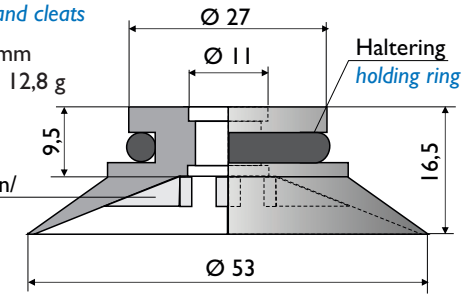
Hub/*Stroke*: 6,5 mm
Gewicht/*Weight*: 24,5 g



*Material:
CR schwarz/*black* 50° Shore
Silikon transparent 50° Shore

Art. No.: F0.053.030.*
mit Haltering und Abstützrippen/
with holding ring and cleats

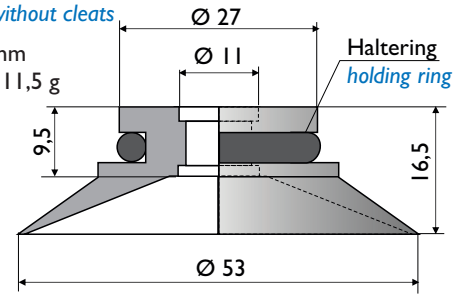
Hub/*Stroke*: 2,0 mm
Gewicht/*Weight*: 12,8 g



*Material:
NBR schwarz/*black* 55° Shore
Silikon rot/*red* 50° Shore
Silikon transparent 50° Shore

Art. No.: F0.053.036.*
mit Haltering, ohne Abstützrippen/
with holding ring, without cleats

Hub/*Stroke*: 6,0 mm
Gewicht/*Weight*: 11,5 g



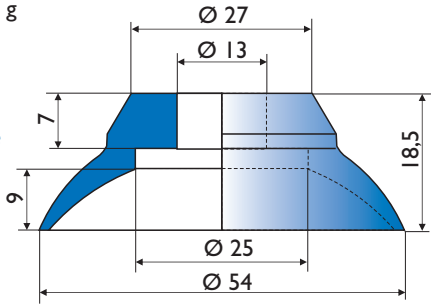
*Material:
NBR schwarz/*black* 55° Shore
Silikon rot/*red* 50° Shore
Silikon transparent 50° Shore

Anschlussteile/*Fittings*
AT.0813 - IG 1/8"
AT.0813.FS - IG 1/8" (mit Filtersieb/*with mesh filter*)
AT.0824 - AG 1/4"
AT.0824.FS - AG 1/4" (mit Filtersieb/*with mesh filter*)
AT.0836.FS - IG 1/4" (mit Filtersieb/*with mesh filter*)
AT.0831.FS - IG 3/8" (mit Filtersieb/*with mesh filter*)

Art. No.: F0.054.001.*

Hub/*Stroke*: 6,0 mm
Gewicht/*Weight*: 13 g

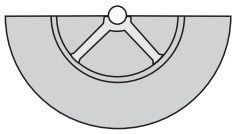
*Material
Polyuretan blau/*blue*



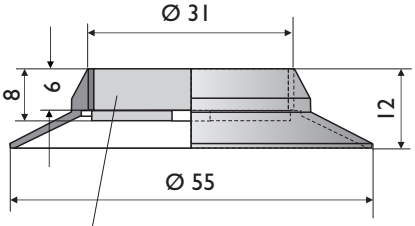
Anschlussteil/*Fitting*
AT.0184 - AG 1/4"

Art. No.: F0.055.001.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 40 g



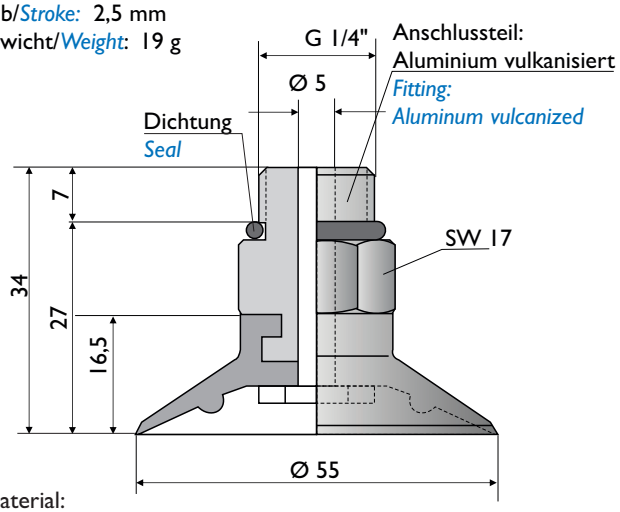
*Material
NBR grau/*grey*
SBR rotbraun/*red brown*



Stahl/*steel*
auf Anfrage in Alu/
Alu on request

Art. No.: F2.055.001.*

Hub/*Stroke:* 2,5 mm
Gewicht/*Weight*: 19 g



*Material:
NBR schwarz/b*lack* 60° Shore
(auf Anfrage/*on request* 40° Shore)
Silikon blau/*blue* 60° Shore
Silikon transparent 60° Shore
(auf Anfrage/*on request* 40° und/*and* 20° Shore)

Vakuumflachsauger Ø 60 mm

Flat Vacuum Suction Cups dia. 60 mm

Einsatzbereiche:
Für flächige Werkstücke mit glatter oder leicht rauer Oberfläche (Bleche, Holz, Glas usw.).

Vorteile:
Positionsstabil durch einvulkanisierte Trägerplatte.
Auch für hohe Beschleunigungen geeignet.
Zwei verschiedene Anschlussgewinde: IG M10x1,25 und IG 1/4"

Hinweis:
Anschlussteile und Federstößel mit verschiedenen Hüben sind auf Anfrage lieferbar.

Use:
For flat workpieces with smooth or lightly rough surface (sheets, wodden, glass etc.).

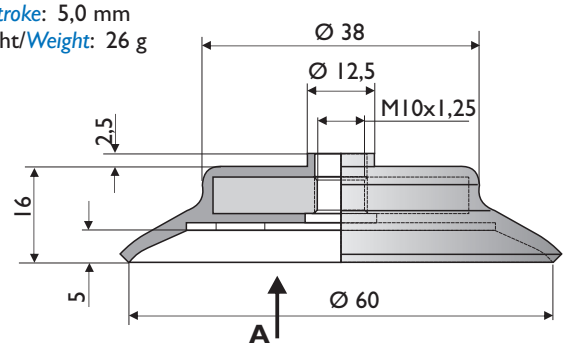
Advantages:
With a stable position by a invulcanized carrier plate.
Suitable for high accelerations.
Two diverse connecting threads: IG M10x1,25 und IG 1/4"

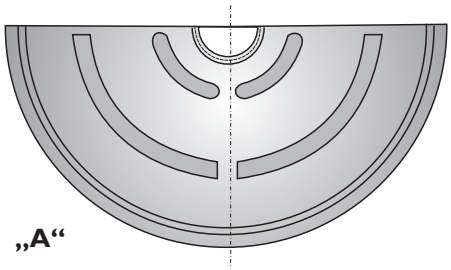
Note:
Fittings and spring levelers with different strokes are available on request.

Serie PFG: M10x1,25

Art. No.: F1.060.001.M10*

Hub/*Stroke*: 5,0 mm
Gewicht/*Weight*: 26 g





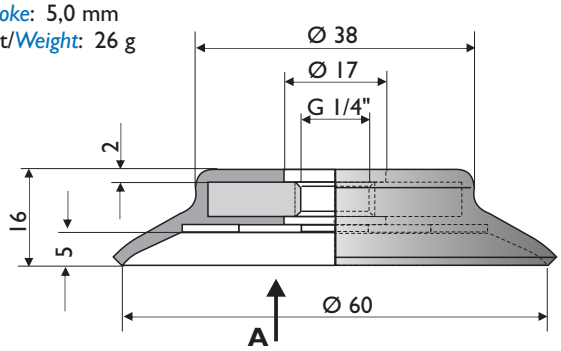
* Material:
NBR schwarz/*black* - 40° - +110° C
Silikon transparent - 70° - +200° C

Art.No.: F1.060.M10.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C

Serie PFG: G 1/4"

Art. No.: F1.060.001.*

Hub/*Stroke*: 5,0 mm
Gewicht/*Weight*: 26 g

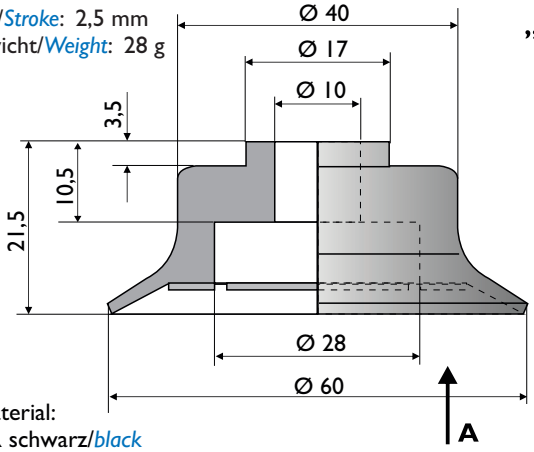


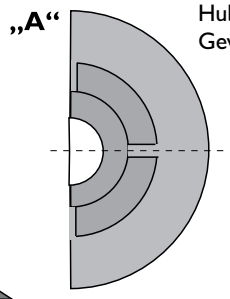
* Material:
NBR schwarz/*black* - 40° - +110° C
Silikon transparent - 70° - +200° C
Polyurethan blau/*blue* -25° - +80° C
FKM schwarz/black -20° - +280° C

Art.No.: F1.060.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C

Art. No.: F0.060.001.*

Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 28 g



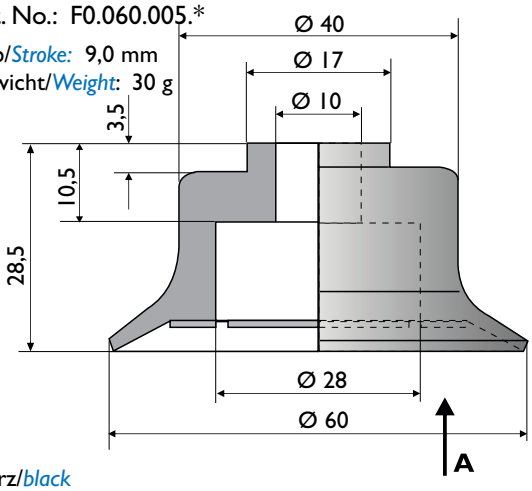


* Material:
NBR schwarz/*black*
Silikon transparent
Silikon schwarz/*black*
antistatisch/*antistatic*
Polyurethan blau/*blue*
FKM grau/*grey* (Viton®)

Anschlussteile auf Anfrage/
Fittings on request

Art. No.: F0.060.005.*

Hub/*Stroke*: 9,0 mm
Gewicht/*Weight*: 30 g



* Material:
NBR schwarz/*black*
Silikon transparent
Polyurethan blau/*blue*
FKM grau/*grey* (Viton®)

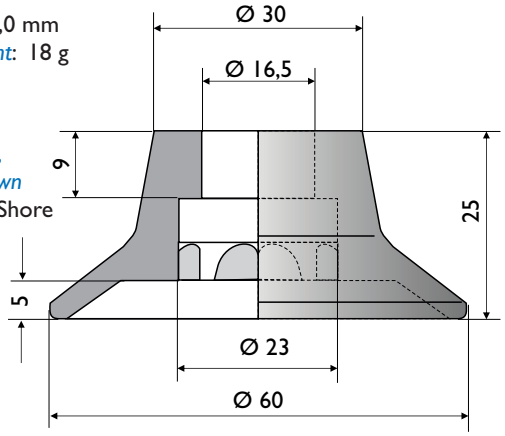
Anschlussteile auf Anfrage/
Fittings on request

Vakuumflachsauger Ø 60 mm

Flat Vacuum Suction Cups dia. 60 mm

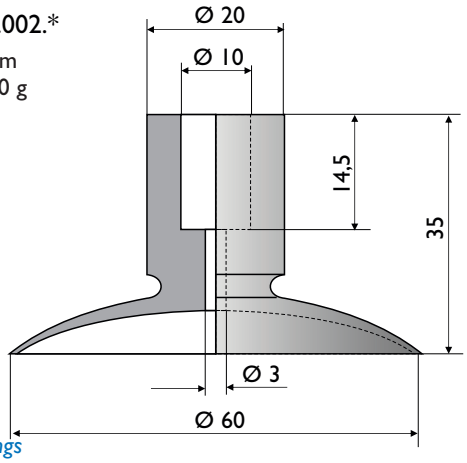
Art. No.: F0.060.006.*
Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 18 g

* Material:
NBR grau/*grey*,
SBR braun/*brown*
NR beige 40° Shore



Art. No.: F0.060.002.*
Hub/*Stroke*: 5,0 mm
Gewicht/*Weight*: 20 g

* Material:
NR schwarz/*black*
Vinyl transparent
Silikon transparent

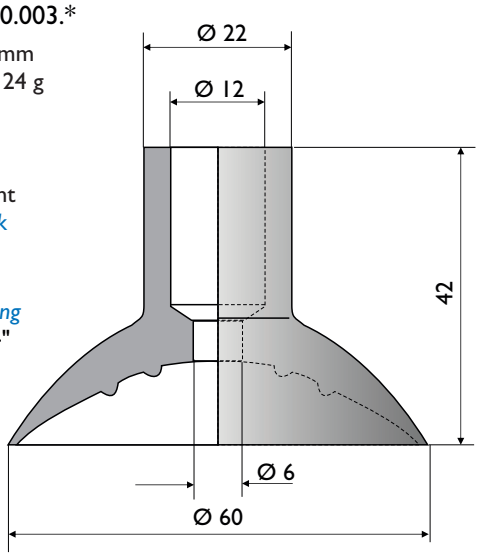


Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"

Art. No.: F0.060.003.*
Hub/*Stroke*: 9,5 mm
Gewicht/*Weight*: 24 g

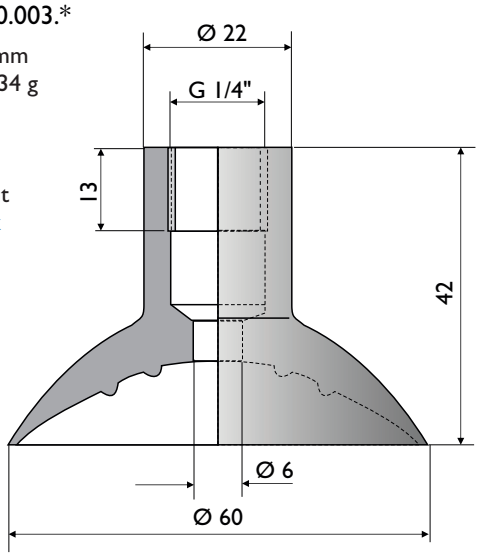
* Material:
Silikon transparent
NR schwarz/*black*

Anschlussteil/*Fitting*
AT.0049 - AG 1/4"



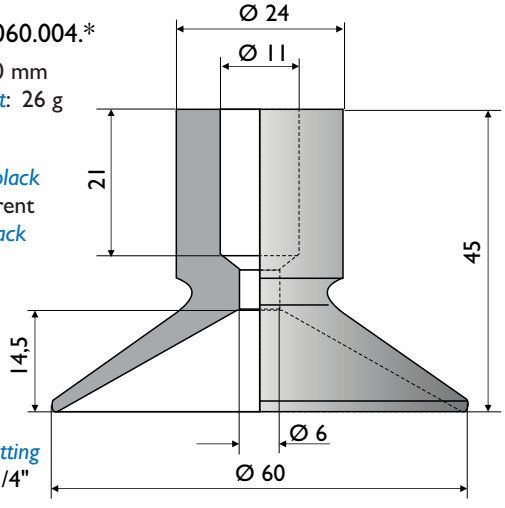
Art. No.: F1.060.003.*
Hub/*Stroke*: 9,5 mm
Gewicht/*Weight*: 34 g

* Material:
Silikon transparent
NR schwarz/*black*



Art. No.: F0.060.004.*
Hub/*Stroke*: 10 mm
Gewicht/*Weight*: 26 g

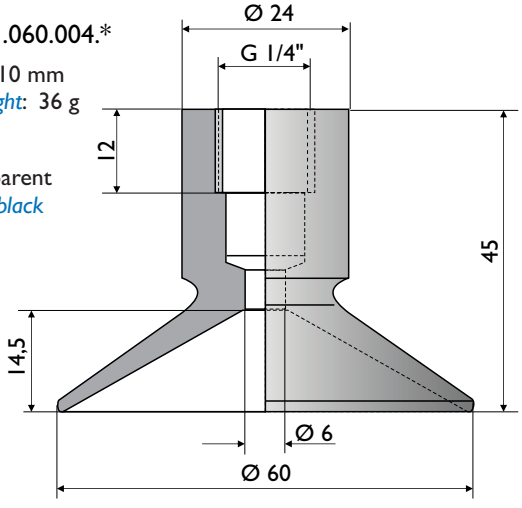
* Material:
NBR schwarz/*black*
Silikon transparent
NR schwarz/*black*



Anschlussteil/*Fitting*
AT.0049 - AG 1/4"

Art. No.: F1.060.004.*
Hub/*Stroke*: 10 mm
Gewicht/*Weight*: 36 g

* Material:
Silikon transparent
NR schwarz/*black*



Vakuumflachsauger Ø 60 mm

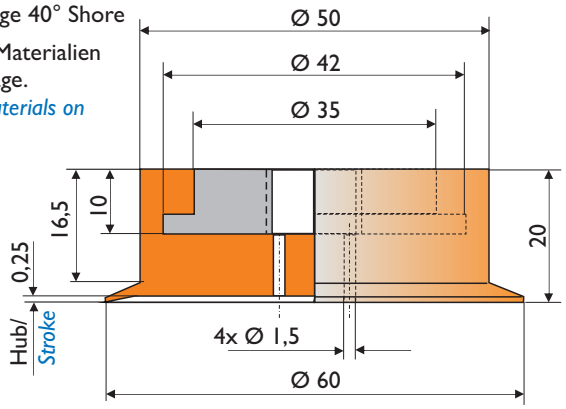
Flat Vacuum Suction Cups dia. 60 mm

Art. No.: SV.060.004.*

Hub/*Stroke*: 0,25 mm
Gewicht/*Weight*: 18 g

*Material:
NR orange 40° Shore

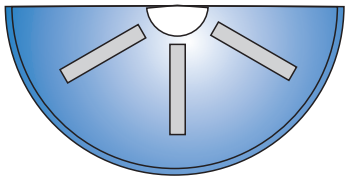
Andere Materialien
auf Anfrage.
Other materials on request



Anschlussteil/*Fitting*
AT.0528 - IG 1/4"

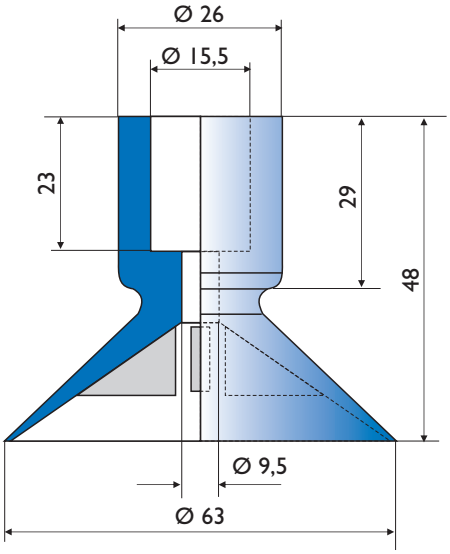
Art. No.: F0.063.001.*

Hub/*Stroke:* 3,0 mm
Gewicht/*Weight*: 26 g



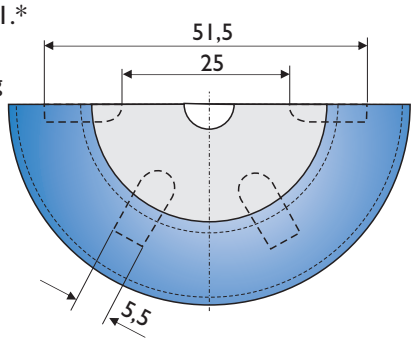
*Material:
Vinyl blau/*blue*

Anschlussteil/*Fitting*
00 08 09 - AG 1/4"



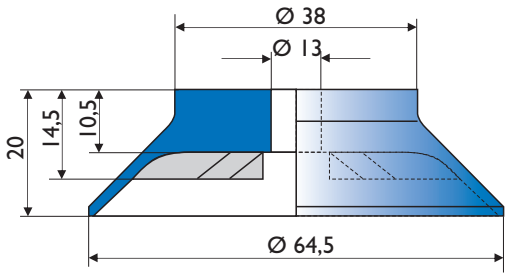
Art. No.: F0.064.001.*

Hub/*Stroke*: 5,5 mm
Gewicht/*Weight*: 22 g



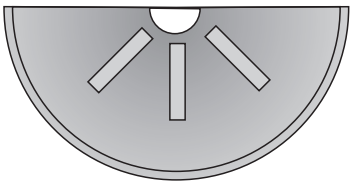
*Material:
Vinyl blau/*blue*

Anschlussteile/*Fittings*
00 08 22 - AG 1/4"
00 08 44 - AG 1/8"
00 08 92 - AG M10



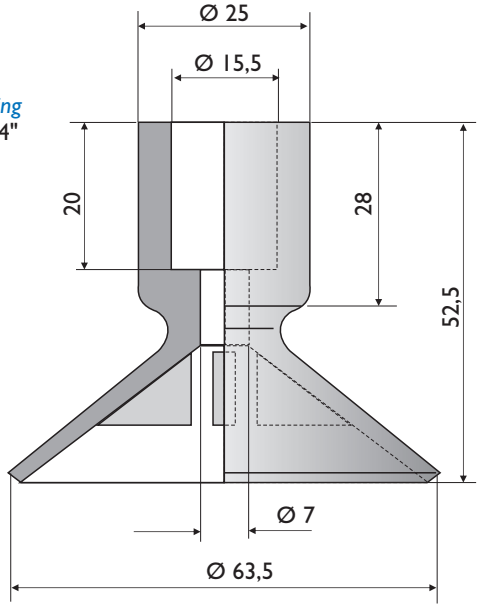
Art. No.: F0.064.002.*

Hub/*Stroke*: 4,5 mm
Gewicht/*Weight*: 42 g



*Material:
NR beige 40° Shore
CR rot/*red*

Anschlussteil/*Fitting*
00 08 09 - AG 1/4"

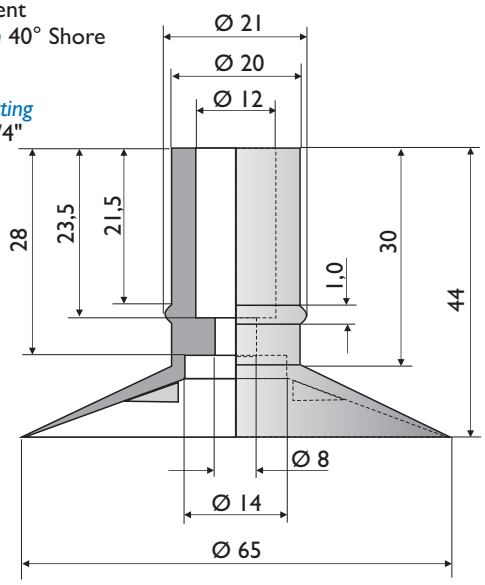


Art. No.: F0.065.004.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 17 g

*Material:
NBR schwarz/*black*
Silikon transparent
NR braun/*brown* 40° Shore

Anschlussteil/*Fitting*
AT.0049 - AG 1/4"



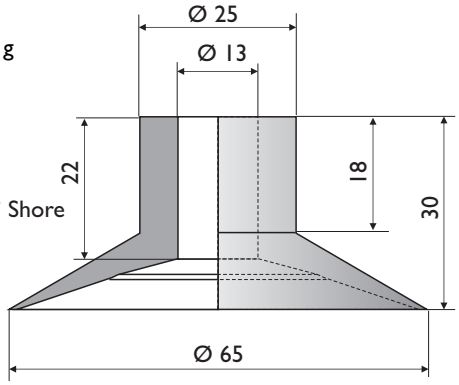
Vakuumflachsauger Ø 65 - 66 mm

Flat Vacuum Suction Cups dia. 65 - 66 mm

Art. No.: F0.065.005.*

Hub/*Stroke:* 5,0 mm
Gewicht/*Weight*: 17 g

*Material:
Silikon transparent
NR schwarz/*black*
NR braun/*brown* 40° Shore

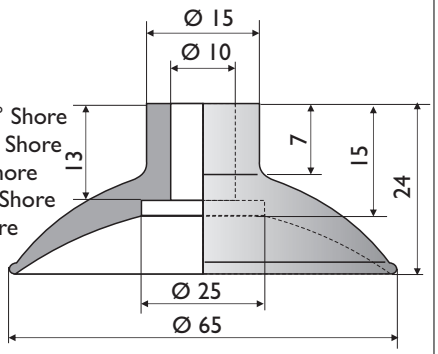


Anschlussteil/*Fitting*
AT.0049 - AG 1/4"

Art. No.: F0.065.001.*

Hub/*Stroke*: 7,0 mm
Gewicht/*Weight*: 20 g

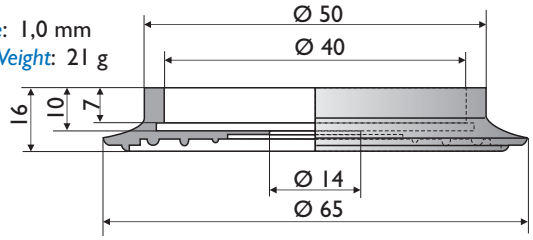
*Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
NR braun/*brown* 40° Shore
NR schwarz/black 50° Shore
Vinyl blau/*blue* 50° Shore



Anschlussteil/*Fitting*
AT.0176 - AG 1/4"

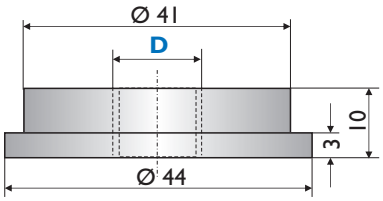
Art. No.: F0.065.003.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 21 g



*Material:
NBR schwarz/*black*
NR schwarz/*black* 50° Shore
Silikon 50° Shore
Polyurethan transparent 50° Shore
Vinyl blau/*blue* 50° Shore

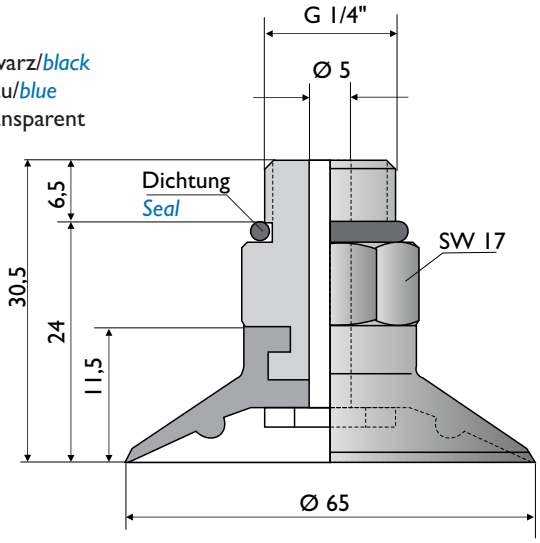
Anschlussteile/*Fittings*
D =
AT.0259 - Ø 6
AT.0262 - IG 1/8"
AT.0284 - IG 1/4"



Art. No.: F2.065.002.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 30 g

*Material:
NBR schwarz/*black*
Silikon blau/*blue*
Silikon transparent

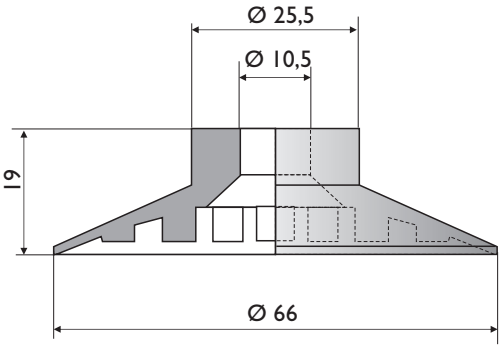


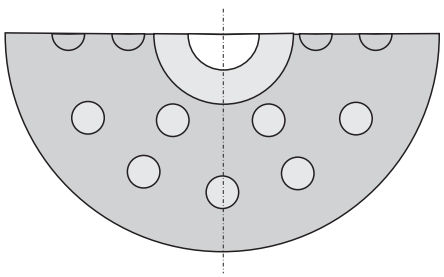
Art. No.: F0.066.001.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 14 g

*Material:
NBR schwarz/*black*
NR schwarz/*black*
Silikon transparent

Anschlussteile/*Fittings*
AT.0723 - AG 1/8"
AT.0603 - AG 1/4"





Vakuumflachsauger Ø 70 mm

Flat Vacuum Suction Cups dia. 70mm

Art. No.: F0.070.001.*

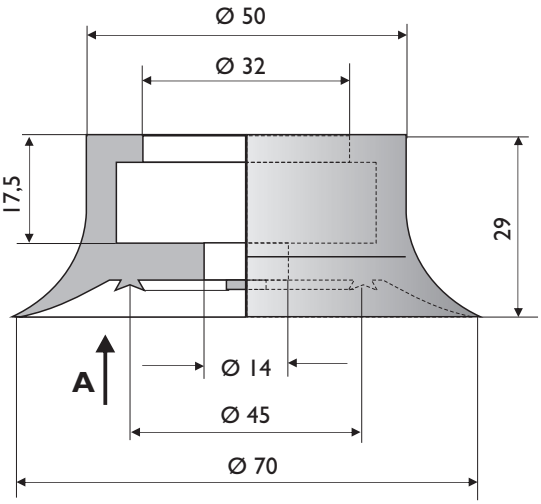
Hub/*Stroke:* 3,5 mm
Gewicht/*Weight*: 35 g

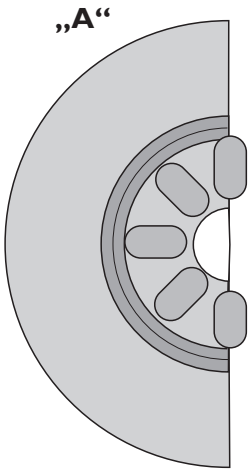
Vorteil: Optimale Abdichtung von rauen und unebenen Werkstücken durch zweifache, innenliegende „V-Dichtlippe".

Advantage: Optimal sealing of rough and uneven workpieces due to double inner „V-lips".

* Material:
SBR rotbraun/*red brown* 50° Shore
NBR grau/*grey* 50° Shore
NR beige 40° Shore
Silikon rot/*red* 50° Shore

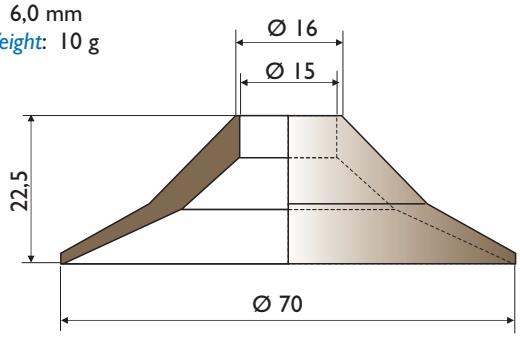
Anschlussteil/*Fitting*
AT.0179 - IG 1/8"





Art. No.: F0.070.002.*

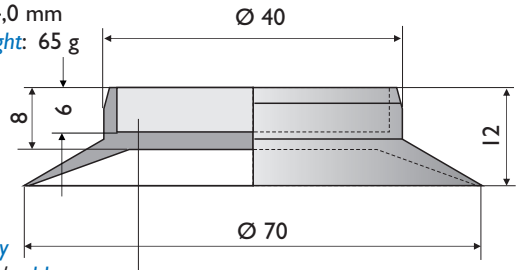
Hub/*Stroke*: 6,0 mm
Gewicht/*Weight*: 10 g



*Material:
NR braun/*brown* 40° Shore

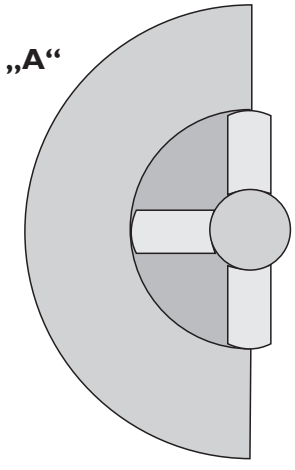
Art. No.: F0.070.003.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 65 g



*Material:
NBR grau/*grey*
SBR rotbraun/*red brown*

Stahl/*steel*
auf Anfrage in Alu/
Alu on request



Vakuumflachsauger Ø 75 mm

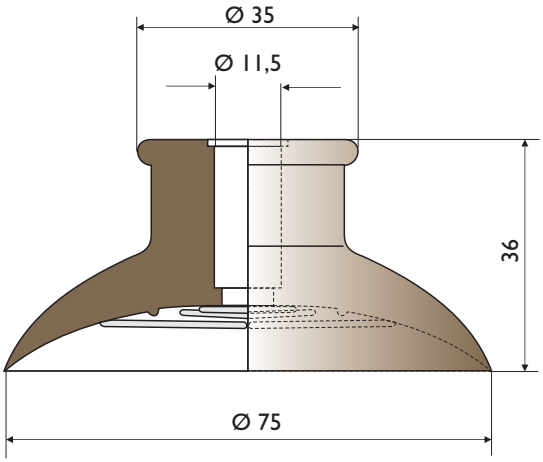
Flat Vacuum Suction Cups dia. 75 mm

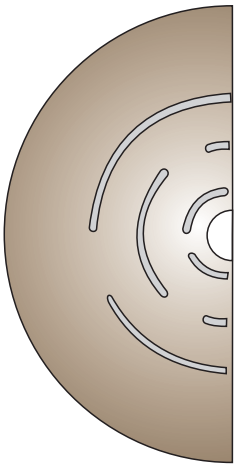
Art. No.: F0.075.001.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 37 g

*Material:
NR braun/*brown* 40° Shore

Anschlussteil/*Fitting*
AT.0049 - AG 1/4"



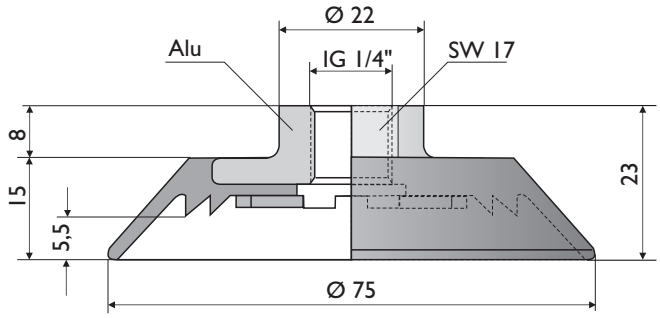


Art. No.: F1.075.001.*

Hub/*Stroke*: 5,5 mm
Gewicht/*Weight*: 40 g

*Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
Silikon rot/*red* 55° Shore
CR schwarz/*black* 50° Shore

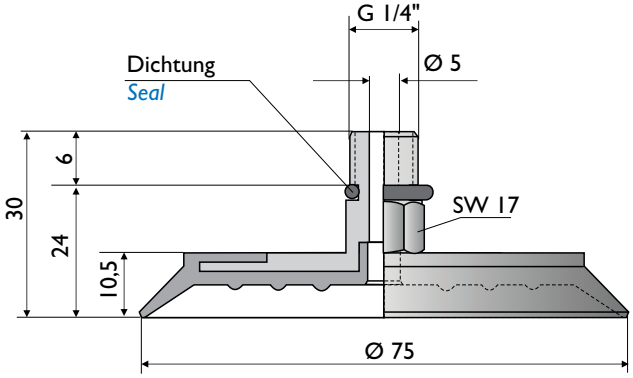
Weitere Materialien auf Anfrage/
Further masterials on request.



Art. No.: F2.075.001.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 80 g

*Material:
NBR schwarz/*black* 60° Shore
Silikon transparent 60° Shore
Silikon blau/*blue* 60° Shore



Vakuumflachsauger Ø 76 mm

Flat Vacuum Suction Cups dia. 76mm

Art. No.: F2.075.002.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 39 g

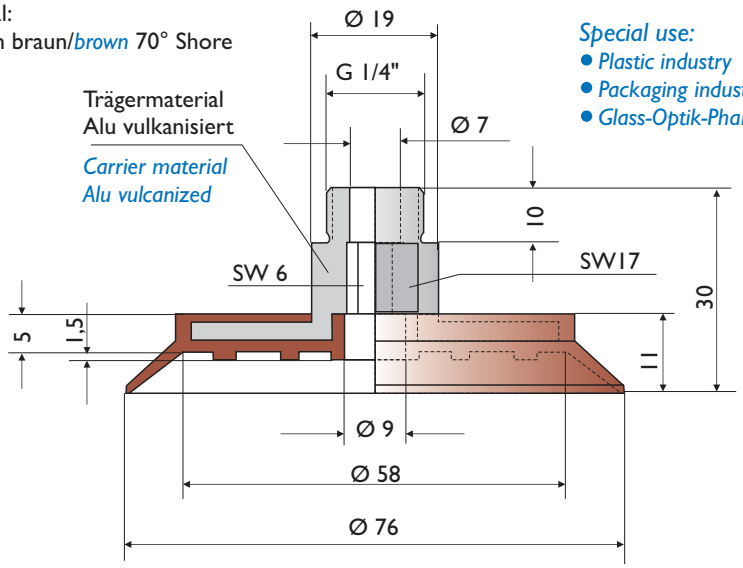
*Material:
Vulkollan braun/*brown* 70° Shore

Spezialeinsatz:
- Kunststoffindustrie
- Verpackungsindustrie
- Glas-Optik-Pharma-Industrie

Vorteile:
- Hohe Verschleißfestigkeit
- Keine sichtbaren Abdrücke nach dem Handling!
- Hohe Elastizität
- Gute Mineralölbeständigkeit

Special use:
- *Plastic industry*
- *Packaging industry*
- *Glass-Optik-Pharma industry*

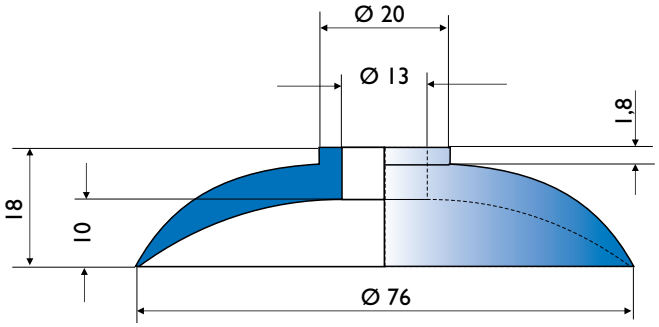
Advantages:
- *High wear-resaistance*
- *No visible prints after the handling!*
- *High elasticity*
- *Good mineraloil resistance*



Art. No.: F0.076.001.*

Hub/*Stroke*: 9,0 mm
Gewicht/*Weight*: 24 g

* Material:
Vinyl blau/*blue*



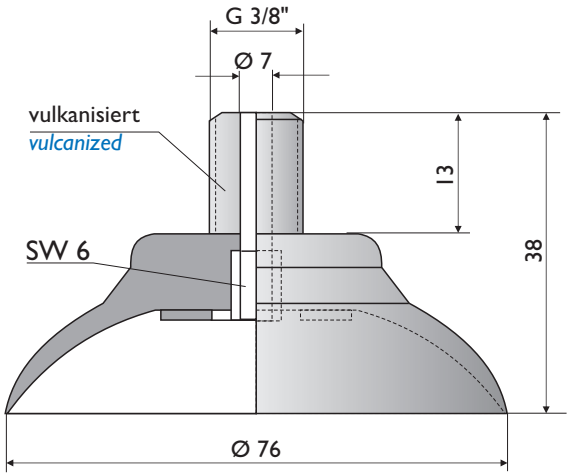
Art. No.: F2.076.001.*

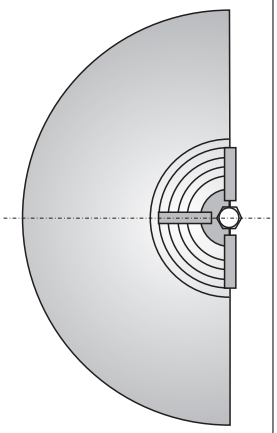
Hub/*Stroke*: 8,0 mm
Gewicht/*Weight*: 68 g

*Material:
NR milchweiss/*milk white* 40° Shore
hochabdruckarm/*high anti-marking*

Einsatzbereich:
Holz- und Möbelindustrie
Wood and furniture industry

Temperaturbeständigkeit/
Temperature restistantce -40° - +80° C





Vakuumflachsauger Ø 80 mm

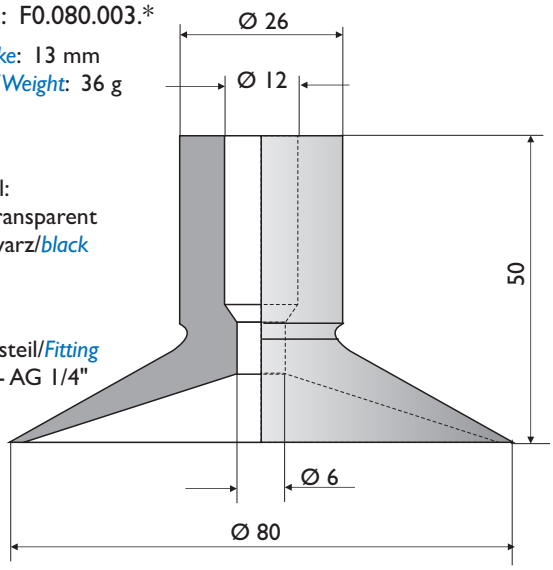
Flat Vacuum Suction Cups dia. 80 mm

Art. No.: F0.080.003.*

Hub/*Stroke*: 13 mm
Gewicht/*Weight*: 36 g

*Material:
Silikon transparent
NR schwarz/*black*

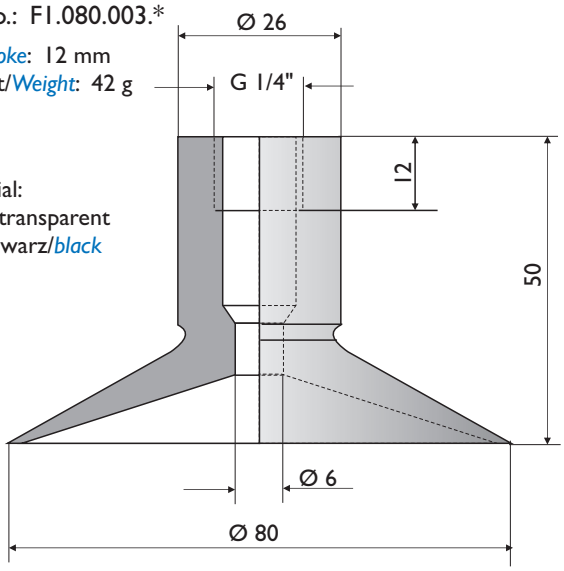
Anschlussteil/*Fitting*
AT.0049 - AG 1/4"



Art. No.: F1.080.003.*

Hub/*Stroke*: 12 mm
Gewicht/*Weight*: 42 g

*Material:
Silikon transparent
NR schwarz/*black*



Einsatzbereiche:
- Für flächige Werkstücke mit glatter oder leicht rauer Oberfläche (Bleche, Holz, Glas usw.).

Vorteile:
- Positionsstabil durch einvulkanisierte Trägerplatte.
- Auch für hohe Beschleunigungen geeignet.
- Zwei verschiedene Anschlussgewinde: IG M10x1,25 und IG 1/4"

Use:
- *For flat workpieces with smooth or lightly rough surface (sheets, wodden, glass etc.).*

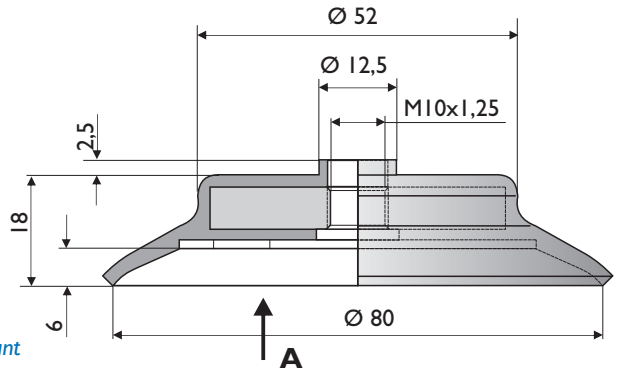
Advantages:
- *With a stable position by a invulcanized carrier plate.*
- *Suitable for high accelerations.*
- *Two diverse connecting threads: IG M10x1,25 und IG 1/4"*

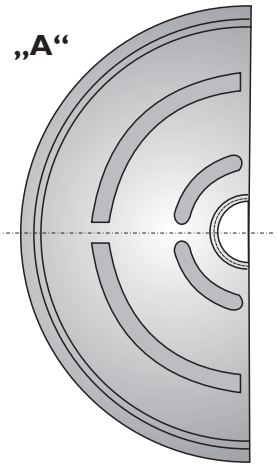
Art. No.: F1.080.001.M10*

Hub/*Stroke*: 6,0 mm
Gewicht/*Weight*: 53 g

*Material:
NBR schwarz/*black* - 40° - +110° C
Silikon transparent - 70° - +200° C

Art.No.: F1.080.M10.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C



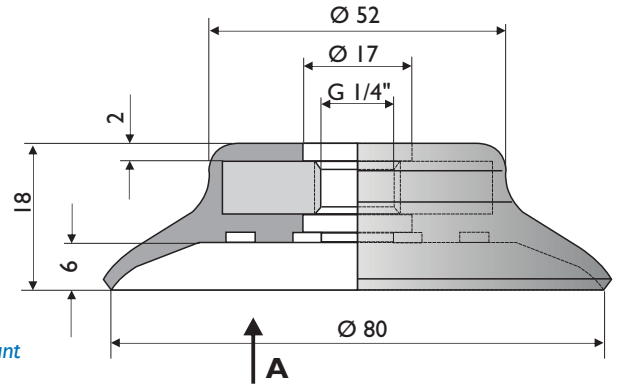


Art. No.: F1.080.001.*

Hub/*Stroke*: 6,0 mm
Gewicht/*Weight*: 53 g

*Material:
NBR schwarz/*black* -40° - +110° C
Silikon transparent -70° - +200° C
Polyurethan blau/*blue* -25° - +80° C
FKM schwarz/black -20° - +280° C

Art.No.: F1.080.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C



Vakuumflachsauger Ø 80 - 81 mm

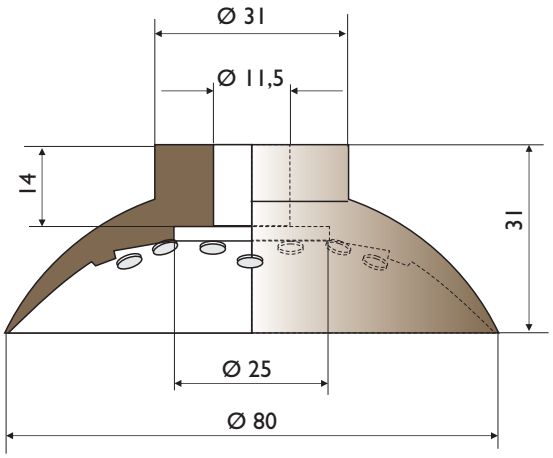
Flat Vacuum Suction Cups dia. 80 - 81mm

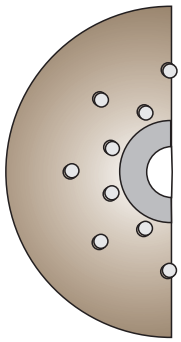
Art. No.: F0.080.001.*

Hub/*Stroke*: 9,0 mm
Gewicht/*Weight*: 50 g

*Material:
NR braun/*brown* 40° Shore

Anschlussteil/*Fitting*
AT.0049 - AG 1/4"



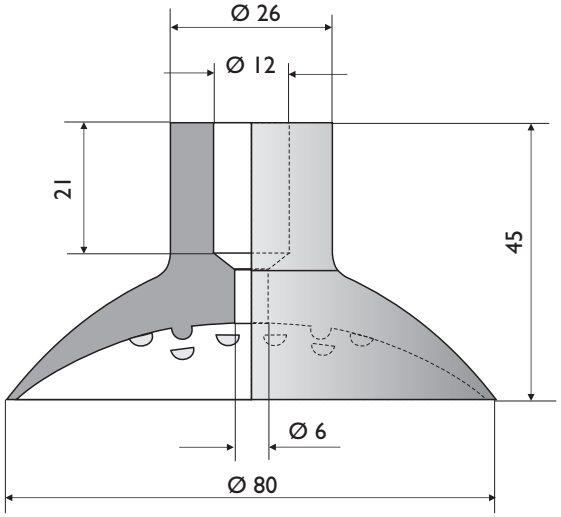


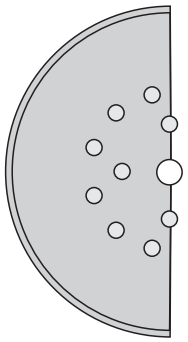
Art. No.: F0.080.002.*

Hub/*Stroke*: 9,0 mm
Gewicht/*Weight*: 55 g

*Material:
NR schwarz/*black*
Silikon transparent

Anschlussteil/*Fitting*
AT.0049 - AG 1/4"



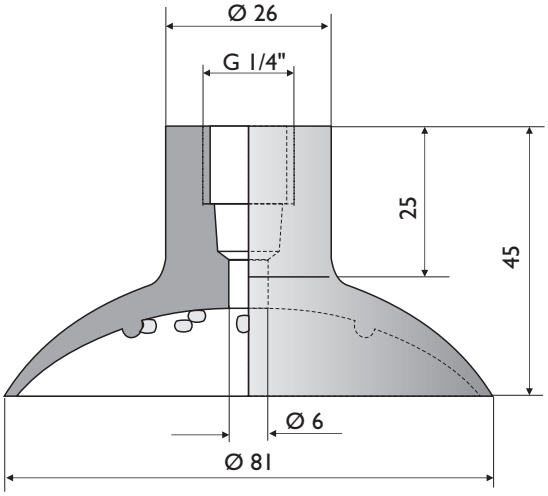


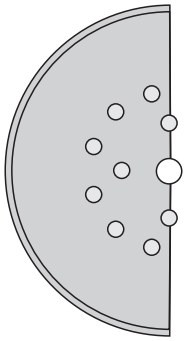
Art. No.: F1.080.002.*

Hub/*Stroke*: 9,0 mm
Gewicht/*Weight*: 55 g

*Material:
NR schwarz/*black*
Silikon transparent

Anschlussteil/*Fitting*
AT.0049 - AG 1/4"





Vakuumflachsauger Ø 80 - 87 mm

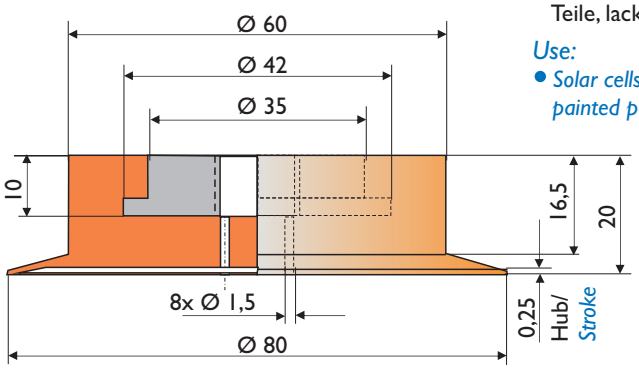
Flat Vacuum Suction Cups dia. 80 - 87 mm

Art. No.: SV.080.005.*

Hub/*Stroke*: 0,25 mm
Gewicht/*Weight*: 40 g

* Material:
NR orange 40° Shore
Andere Materialien auf Anfrage
Other materials on request

Anschlussteil/*Fitting*
AT.0528 - IG 1/4"



Einsatzgebiete:
- Solarzellen, empfindliche, zerbrechliche Teile, lackierte Teile, Dünnstglas

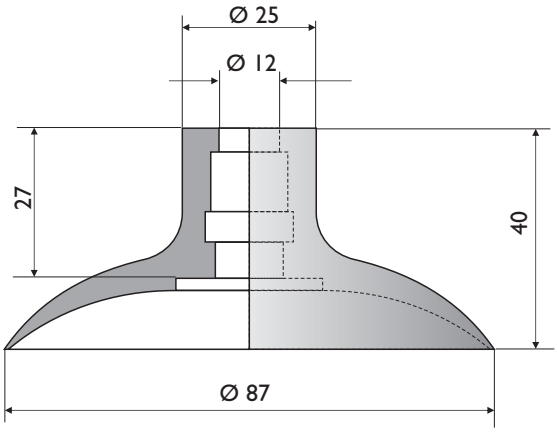
Use:
- *Solar cells, sensitive and fragile parts, painted parts, thinnest glass*

Art. No.: F0.087.002.*

Hub/*Stroke*: 9,0 mm
Gewicht/*Weight*: 42 g

* Material:
NR schwarz/*black*
NR braun/*brown* 40° Shore
Silikon transparent

Anschlussteil/*Fitting*
AT.0049 - AG 1/4"

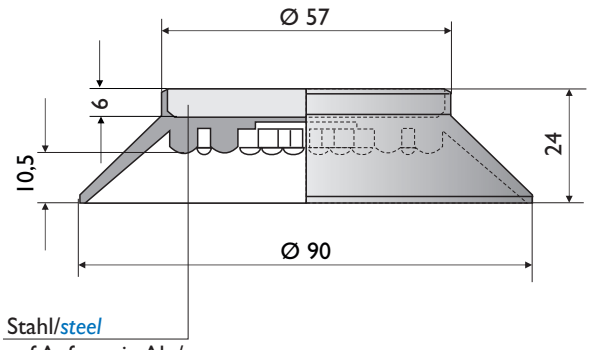


Vakuumflachsauger Ø 90 - 95 mm

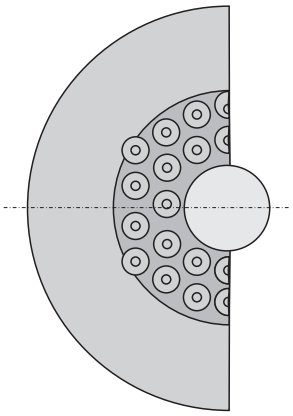
Flat Vacuum Suction Cups dia. 90 - 95 mm

Art. No.: F0.090.001.*
Hub/*Stroke*: 10 mm
Gewicht/*Weight*: 145 g

*Material:
NBR grau/*grey*
SBR braun/*brown*

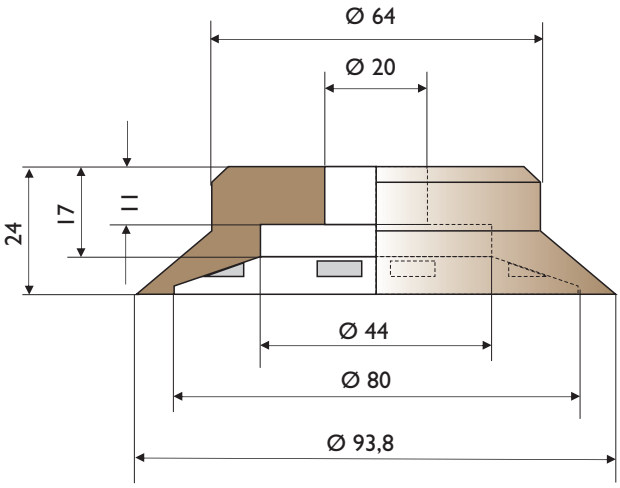


Stahl/*steel*
auf Anfrage in Alu/
Alu on request



Art. No.: F0.093.001.*
Hub/*Stroke*: 2,5 mm
Gewicht/*Weight*: 73 g

Material:
NR hellbraun/*light-brown*
40° Shore



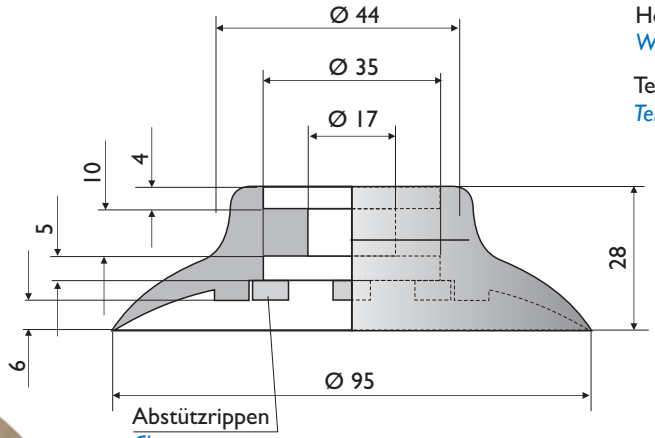
Einsatzbereich/*Use:*
Holz- und Möbelindustrie
Wood and furniture industry

Temperaturbeständigkeit/
Temperature restistance: -40 to +80° C

Art. No.: F0.095.001.*
Hub/*Stroke*: 6 mm
Gewicht/*Weight*: 58 g

Material:
NR weiss/*white* 50° Shore

NBR und Silikon auf Anfrage
NBR and Silicone on request

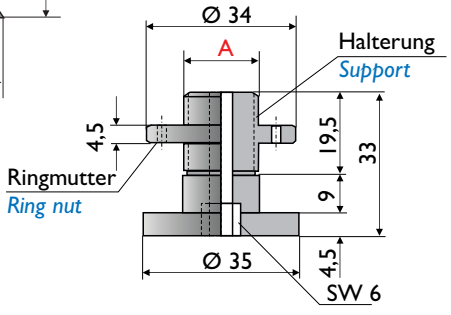


Abstützrippen
Cleats

Einsatzbereich/*Use*:
Holz- und Möbelindustrie
Wood and furniture industry

Temperaturbeständigkeit
Temperature restistance: -40 - +80° C

Anschlussteile/*Fittings*
A=
00 08 108 - AG 1/4"
00 08 110 - AG 3/8"

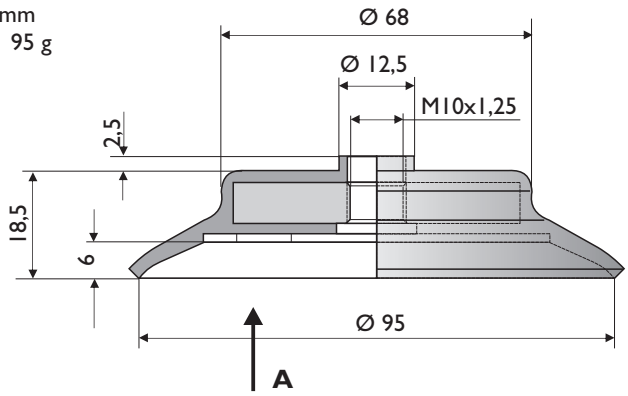


Vakuumflachsauger Ø 95 mm

Flat Vacuum Suction Cups dia. 95 mm

Art. No.: F1.095.001.M10*

Hub/*Stroke*: 6,0 mm
Gewicht/*Weight*: 95 g



*Material:
NBR schwarz/*black* - 40° - +110° C
Silikon transparent - 70° - +200° C

Art.No.: F1.095.M10.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C

Einsatzbereiche:

- Für flächige Werkstücke mit glatter oder leicht rauer Oberfläche (Bleche, Holz, Glas usw.).

Vorteile:

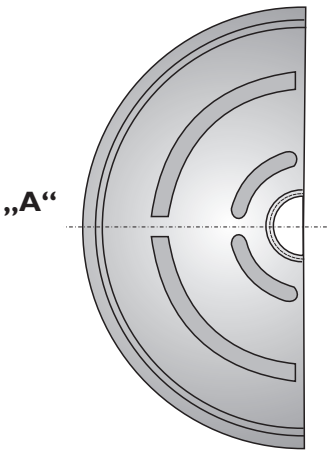
- Positionsstabil durch einvulkanisierte Trägerplatte.
- Auch für hohe Beschleunigungen geeignet.
- Zwei verschiedene Anschlussgewinde: IG M10x1,25 und IG 1/4"

Use:

- *For flat workpieces with smooth or lightly rough surface (sheets, wodden, glass etc.).*

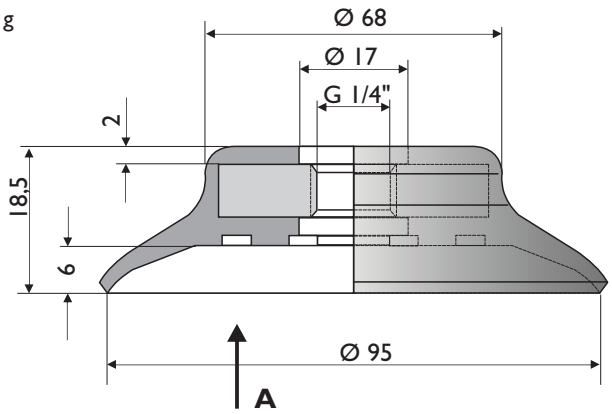
Advantages:

- *With a stable position by a invulcanized carrier plate.*
- *Suitable for high accelerations.*
- *Two diverse connecting threads: IG M10x1,25 und IG 1/4"*



Art. No.: F1.095.001.*

Hub/*Stroke*: 6,0 mm
Gewicht/*Weight*: 95 g



*Material:
NBR schwarz/*black* - 40° - +110° C
Silikon, transparent - 70° - +200° C
Polyurethan blau/*blue* - 25° - +80° C
FKM schwarz/*black* - 20° - +280° C

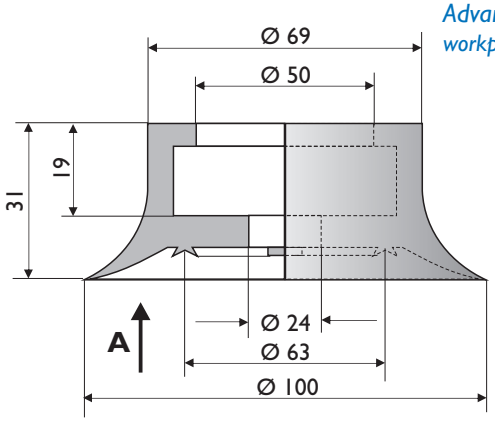
Art.No.: F1.095.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C

Art. No.: F0.100.001.*

Hub/*Stroke*: 3,5 mm
Gewicht/*Weight*: 60 g

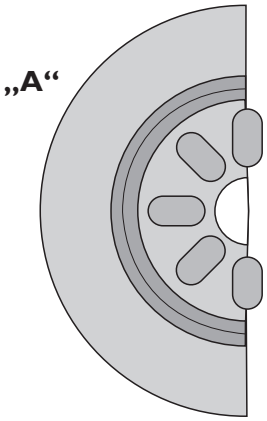
*Material:
NBR grau/*grey* 50° Shore
NR beige 40° Shore

Anschlussteil/*Fitting*
AT.0180 - IG 1/4"
Material Alu



Vorteil: Optimale Abdichtung von rauen und unebenen Werkstücken durch zweifache, innenliegende „V-Dichtlippe".

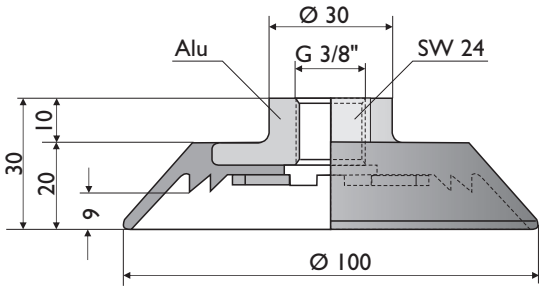
Advantage: Optimal sealing of rough and uneven workpieces due to double inner „V-lips".



Art. No.: F1.100.001.*

Hub/*Stroke*: 9,0 mm
Gewicht/*Weight*: 85 g

*Material:
NBR schwarz/*black* 50° Shore
Silikon transparent 50° Shore
NR weiss/*white* 40° Shore

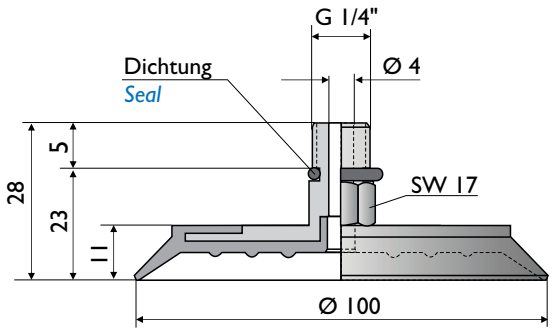


Haltekraft bei einfacher Sicherheit bei 60% Vakuum: 47 kg
Holding force with simple security at 60% vacuum: 47 kg

Art. No.: F2.100.001.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 85 g

*Material:
NBR schwarz/*black* 60° Shore
Silikon blau/*blue* 60° Shore
Silikon transparent 60° Shore



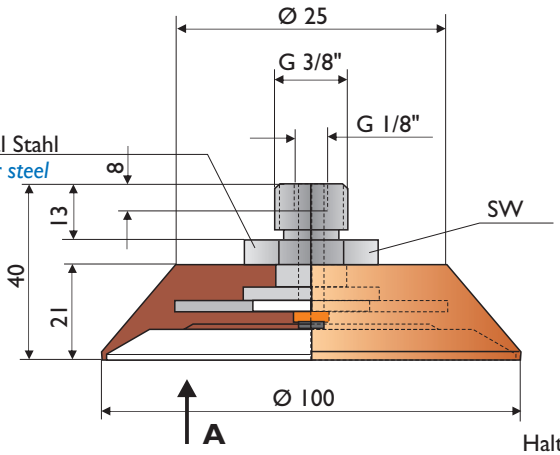
Haltekraft bei einfacher Sicherheit bei 60% Vakuum: 47 kg
Holding force with simple security at 60% vacuum: 47 kg

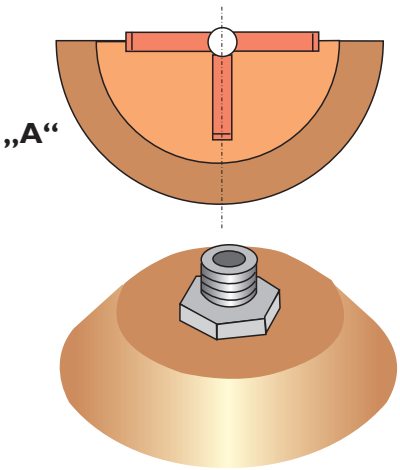
Vakuumflachsauger Ø 100 - 109 mm

Flat Vacuum Suction Cups dia. 100 - 109 mm

Art. No.: F2.100.002.*

Hub/*Stroke*: 6 mm
Gewicht/*Weight*: 68 g



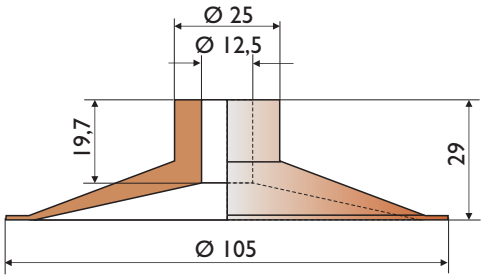


*Material:
Vulkollan braun/*brown*
70° Shore
hochverschleissfest/
high wear resistant
hochabdruckarm/
high anti-marking

Haltekraft bei einfacher Sicherheit bei 60% Vakuum: 47 kg
Holding force with simple security at 60% vacuum: 47 kg

Art. No.: F0.105.001.*

Hub/*Stroke*: 8,5 mm
Gewicht/*Weight*: 27 g

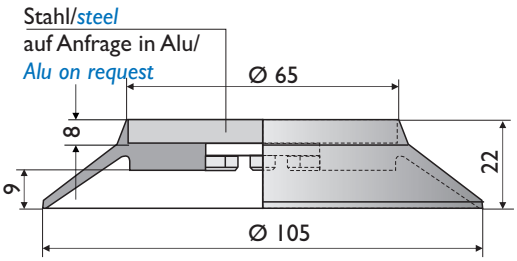


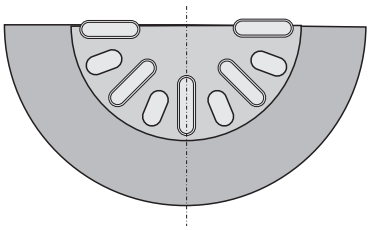
*Material:
NR braun/*brown* 40° Shore

Anschlussteil/*Fitting*
AT.0049 - AG 1/4"

Art. No.: F0.105.002.*

Hub/*Stroke*: 9,0 mm
Gewicht/*Weight*: 120 g





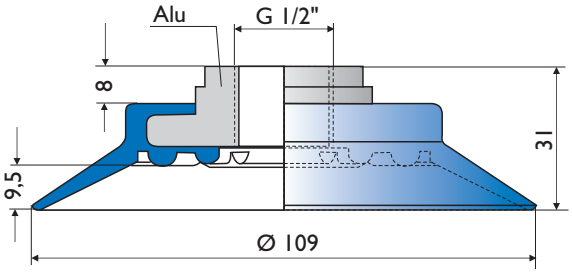
*Material:
NBR grau/*grey*
SBR rotbraun/*red brown*

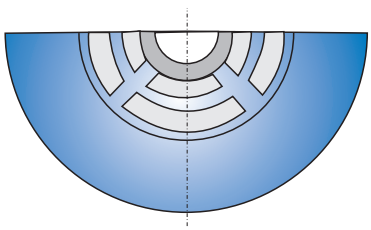
Mit Vakuumanschluss und Befestigungsgewinde
auf Wunsch nach Bohrbild möglich.
With vacuum connect and mounting thread
on request.

Haltekraft bei einfacher Sicherheit bei 60% Vakuum: 50 kg
Holding force with simple security at 60% vacuum: 50 kg

Art. No.: F1.109.001.*

Hub/*Stroke*: 9,5 mm
Gewicht/*Weight*: 115 g





*Material:
Vinyl blau/*blue*

Haltekraft bei einfacher Sicherheit bei 60% Vakuum: 55 kg
Holding force with simple security at 60% vacuum: 55 kg

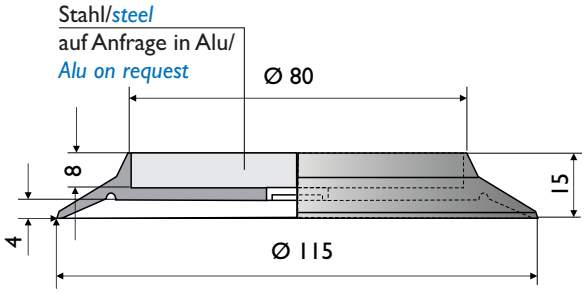
Vakuumflachsauger Ø 115 - 120 mm

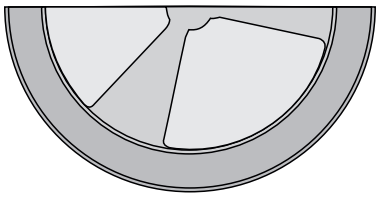
Flat Vacuum Suction Cups dia. 115 - 120 mm

Art. No.: F0.115.001.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 280 g

*Material:
NBR grau/*grey*
SBR rotbraun/*red brown*





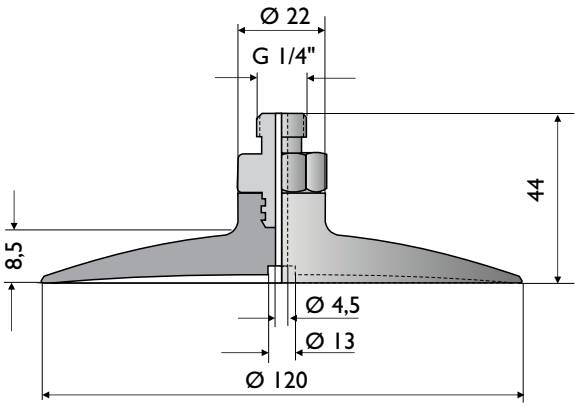
Mit Vakuumanschluss und Befestigungsgewinde auf Wunsch nach Bohrbild möglich.
With vacuum connect and mounting thread on request.

Haltekraft bei einfacher Sicherheit bei 60% Vakuum: 60 kg
Holding force with simple security at 60% vacuum: 60 kg

Art. No.: F2.120.001.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 84 g

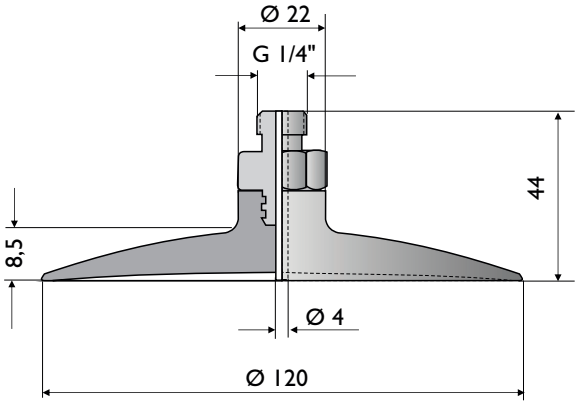
*Material:
NBR schwarz/*black*



Art. No.: F2.120.002.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 86 g

*Material:
NBR schwarz/*black*



Vakuumflachsauger Ø 120 mm

Flat Vacuum Suction Cups dia. 120 mm

Einsatzbereiche:
- Für flächige Werkstücke mit glatter oder leicht rauer Oberfläche (Bleche, Holz, Glas usw.).

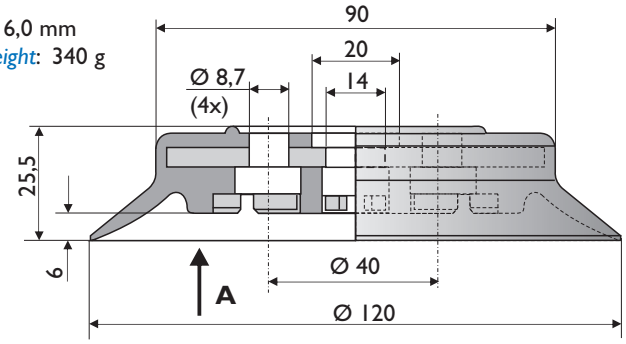
Use:
- *For flat workpieces with smooth or lightly rough surface (sheets, wodden, glass etc.).*

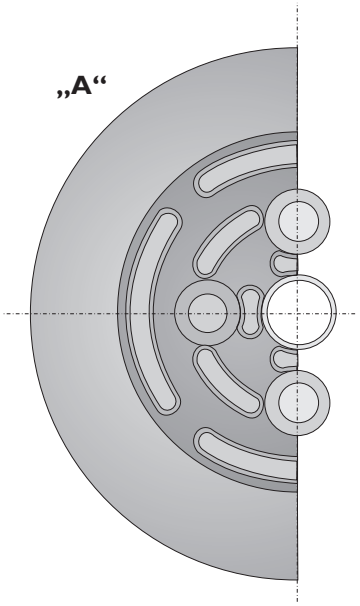
Vorteile:
- Positionsstabil durch einvulkanisierte Trägerplatte.
- Auch für hohe Beschleunigungen geeignet.
- Optional: mit Anschlussteil IG 1/2"

Advantages:
- *With a stable position by a invulcanized carrier plate.*
- *Suitable for high accelerations.*
- *Option: with fitting IG 1/2"*

Art. No.: F0.120.001.*

Hub/*Stroke*: 6,0 mm
Gewicht/*Weight*: 340 g



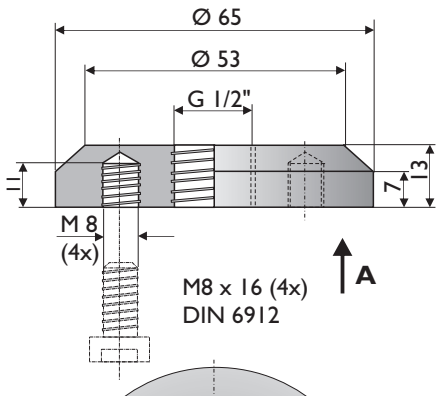


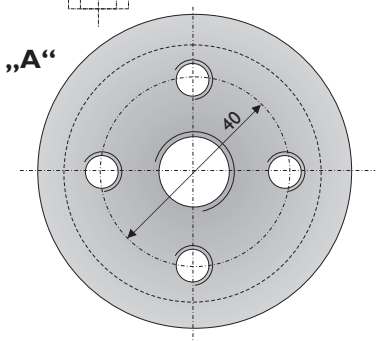
*Material:
NBR schwarz/*black* - 40° - +110° C
Silikon transparent - 70° - +200° C
Polyurethan blau/*blue* - 25° - +80° C

Art.No.: F0.120.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C

Haltekraft bei einfacher Sicherheit
bei 60% Vakuum: 65 kg
Holding force with simple security
at 60% vacuum: 65 kg

Anschlussteil/*Fitting* (Standard)
AT.0056 - IG 1/2"
Material: Aluminium





Hinweis:
Passende Federstößel mit verschiedenen Hüben auf Anfrage lieferbar.

Note:
Suitable spring levelers with different strokes are available on request.

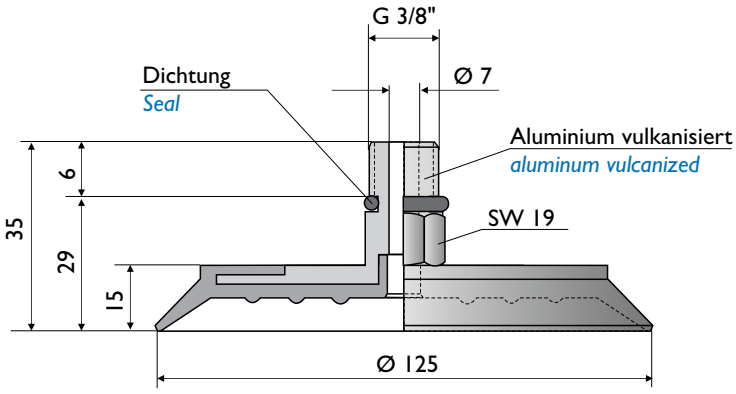
Vakuumflachsauger Ø 125 - 130 mm

Flat Vacuum Suction Cups dia. 125 - 130 mm

Art. No.: F2.125.001.*

Hub/*Stroke*: 6,0 mm
Gewicht/*Weight*: 130 g

*Material:
NBR schwarz/*black* 60° Shore
Silikon blau/*blue* 60° Shore
Silikon transparent 60° Shore



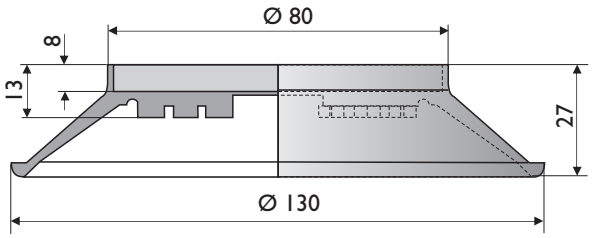
Haltekraft bei einfacher Sicherheit bei 60% Vakuum: 72 kg
Holding force with simple security at 60% vacuum: 72 kg

Art. No.: F0.130.001.*

Hub/*Stroke*: 16 mm
Gewicht/*Weight*: 240 g (Stahl/*steel*)
auf Wunsch in Alu/*alu on request*

*Material:
NBR grau/*grey* 50° Shore
SBR rotbraun/*red brown* 50° Shore

Weitere Materialien auf Anfrage.
Other materials on request.



Mit Vakuumanschluss und Befestigungsgewinde auf Wunsch nach Bohrbild möglich.
With vacuum connect and mounting thread on request.

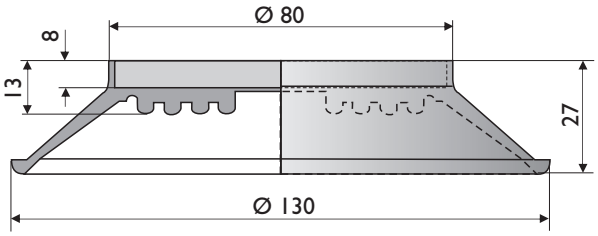
Haltekraft bei einfacher Sicherheit bei 60% Vakuum: 79 kg
Holding force with simple security at 60% vacuum: 79 kg

Art. No.: F0.130.002.*

Hub/*Stroke*: 16 mm
Gewicht/*Weight*: 240 g (Stahl/*steel*)
auf Wunsch in Alu/*alu on request*

*Material:
NBR grau/*grey* 50° Shore
SBR rotbraun/*red brown* 50° Shore

Weitere Materialien auf Anfrage.
Other materials on request.



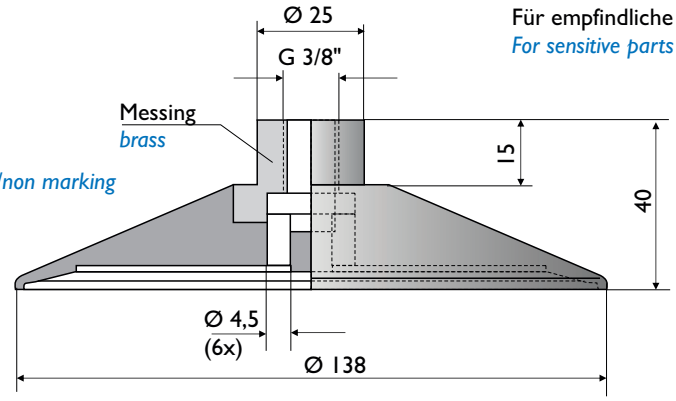
Vakuumflachsauger Ø 138 - 140 mm

Flat Vacuum Suction Cups dia. 138 - 140 mm

Art. No.: F1.138.001.*

Hub/*Stroke*: 0,5 mm
Gewicht/*Weight*: 302 g

*Material:
NBR grau/*grey* abdruckarm/*non marking*
SBR schwarz/*black*



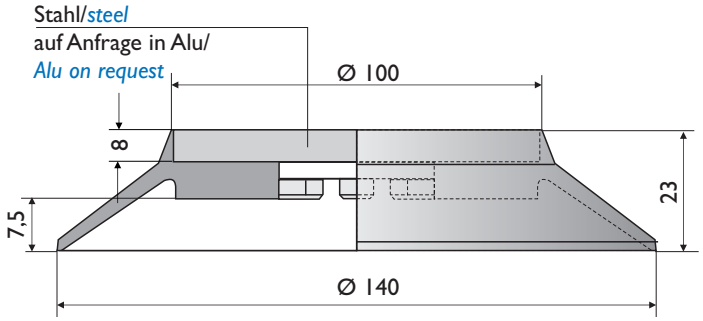
Einsatzbereich/*Use*:
Für empfindliche Teile mit ebenen Oberflächen.
For sensitive parts with flat surfaces.

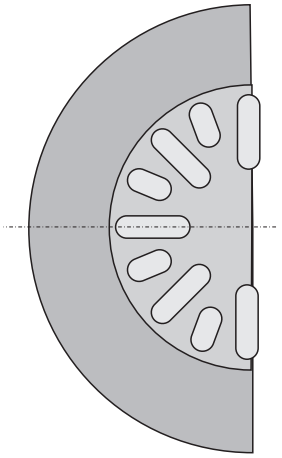
Haltekraft bei einfacher Sicherheit bei 60% Vakuum: 88 kg
Holding force with simple security at 60% vacuum: 88 kg

Art. No.: F0.140.001.*

Hub/*Stroke*: 7,5 mm
Gewicht/*Weight*: 560 g

*Material:
NBR grau/*grey*
SBR rotbraun/*red brown*



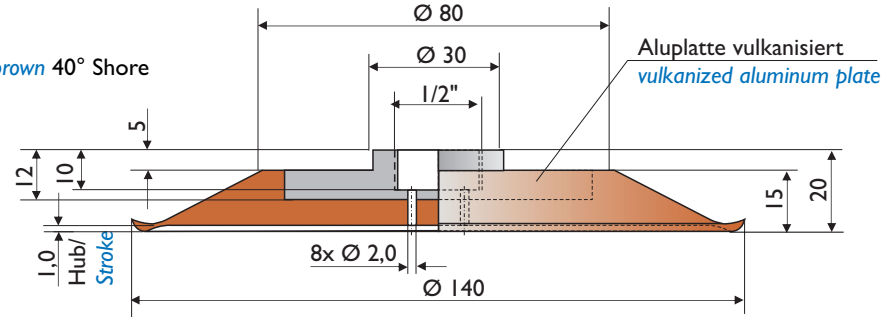


Haltekraft bei einfacher Sicherheit bei 60% Vakuum: 91 kg
Holding force with simple security at 60% vacuum: 91 kg

Art. No.: SV.140.006.*

Hub/*Stroke*: 1,0 mm
Gewicht/*Weight*: 172 g

*Material:
NR rotbraun/*bred brown* 40° Shore



Einsatzbereich/*Use*:
Für empfindliche Teile mit ebenen Oberflächen.
For sensitive parts with flat surfaces

Haltekraft bei einfacher Sicherheit bei 60% Vakuum: 91 kg
Holding force with simple security at 60% vacuum: 91 kg

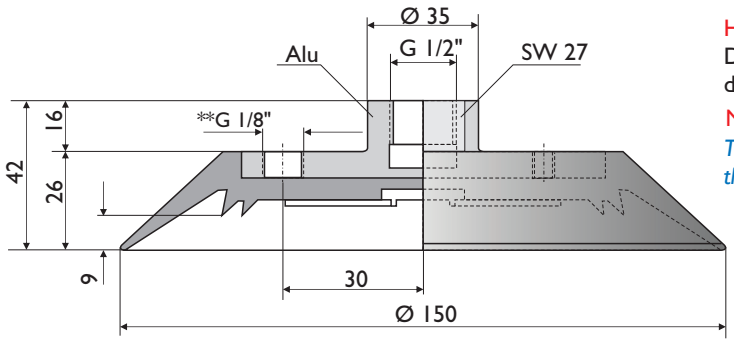
Vakuumflachsauger Ø 150 mm

Flat Vacuum Suction Cups dia. 150 mm

Art. No.: F1.150.001.*

Hub/*Stroke*: 9,0 mm
Gewicht/*Weight*: 280 g

*Material:
NBR grau/*grey*, 50° Shore
Silikon grau/*grey*, 50° Shore

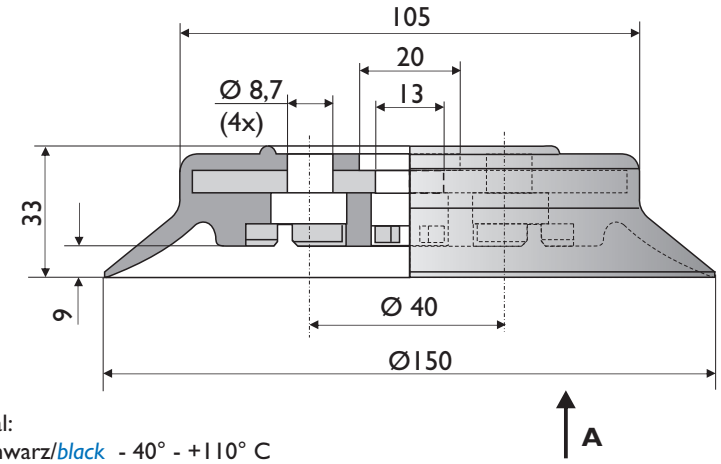


Hinweis:
Das Gewinde **G1/8" ist nicht durch das Gummi gebohrt.

Note:
*The Thread **G1/8" is not drilled through the rubber.*

Art. No.: F0.150.001.*

Hub/*Stroke*: 9,0 mm
Gewicht/*Weight*: 480 g

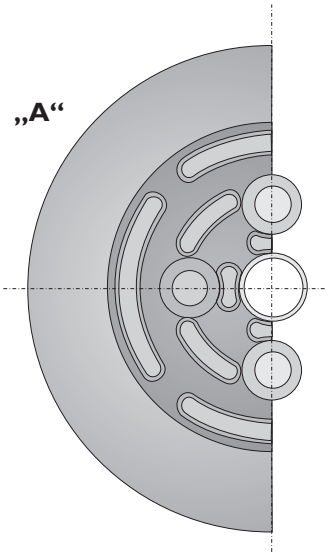


*Material:
NBR schwarz/*black* - 40° - +110° C
Silikon transparent - 70° - +200° C
Polyurethan blau/*blue* - 25° - +80° C

Art.No.: F0.150.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C

Einsatzbereiche:
Für flächige Werkstücke mit glatter oder leicht rauer Oberfläche (Bleche, Holz, Glas usw.).

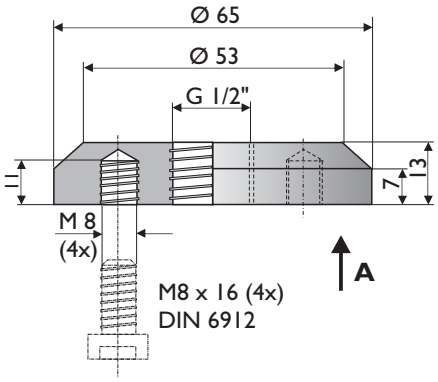
Vorteile:
Positionsstabil durch einvulkanisierte Trägerplatte.
Auch für hohe Beschleunigungen geeignet.
Optional: mit Anschlussteil IG 1/2"

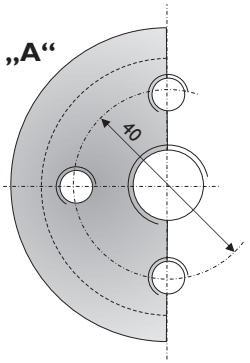


Use:
For flat workpieces with smooth or lightly rough surface (sheets, wodden, glass etc.).

Advantages:
With a stable position by a invulcanized carrier plate.
Suitable for high accelerations.
Option: with fitting IG 1/2"

Anschlussteil/*Fitting* (Standard)
AT.0056 - IG 1/2"
Material: Aluminium





Hinweis:
Passende Federstößel mit verschiedenen Hüben auf Anfrage lieferbar.

Note:
Suitable spring levelers with different strokes are available on request.

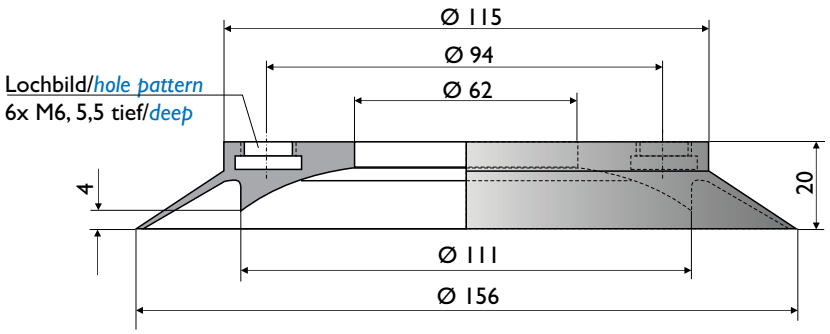
Vakuumflachsauger Ø 156 - 160 mm

Flat Vacuum Suction Cups dia. 156 - 160 mm

Art. No.: F1.156.001.*

Hub/*Stroke*: 4,0 mm
Gewicht/*Weight*: 120 g

*Material:
NBR grau/*grey* 50° Shore

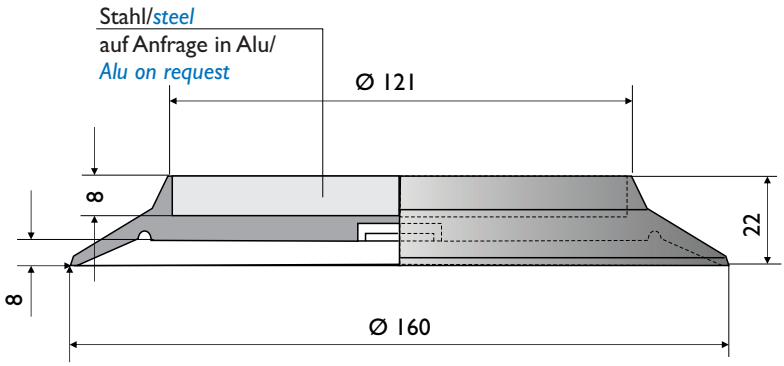


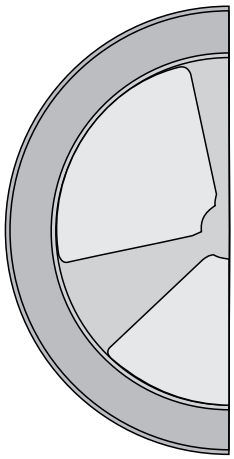
Haltekraft bei einfacher Sicherheit bei 60% Vakuum: 113 kg
Holding force with simple security at 60% vacuum: 113 kg

Art. No.: F0.160.002.*

Hub/*Stroke*: 8,0 mm
Gewicht/*Weight*: 780 g

*Material:
NBR graun/*grey*
SBR rotbraun/*red brown*





Mit Vakuumanschluss und Befestigungsgewinde
auf Wunsch nach Bohrbild möglich.
With vacuum connect and mounting thread on request.

Haltekraft bei einfacher Sicherheit bei 60% Vakuum: 120 kg
Holding force with simple security at 60% vacuum: 120 kg

Vakuumflachsauger Ø 180 mm

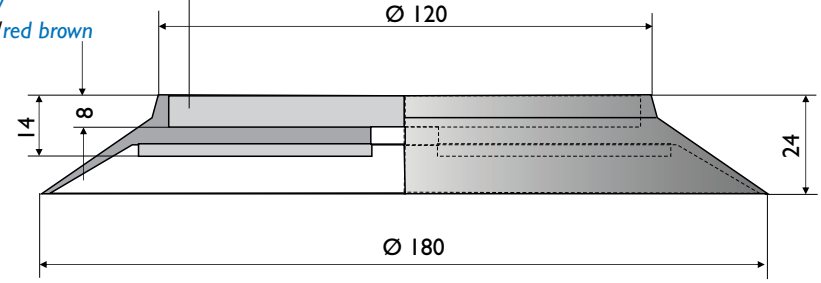
Flat Vacuum Suction Cups dia. 180 mm

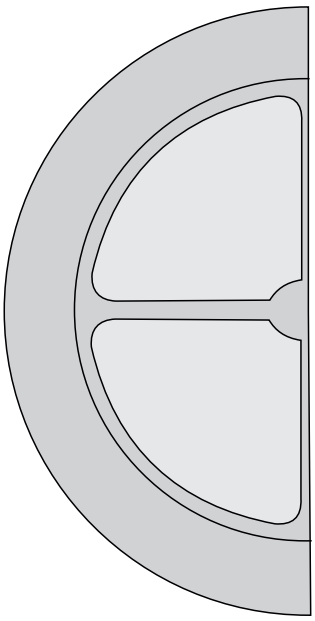
Art. No.: F0.180.001.*

Hub/*Stroke*: 9,0 mm
Gewicht/*Weight*: 820 g

*Material:
NBR grau/*grey*
SBR rotbraun/*red brown*

Stahl/*steel*
auf Anfrage in Alu/
Alu on request





Mit Vakuumanschluss und Befestigungsgewinde
auf Wunsch nach Bohrbild möglich.
With vacuum connect and mounting thread
on request.

Haltekraft bei einfacher Sicherheit bei 60% Vakuum: 150 kg
Holding force with simple security at 60% vacuum: 150 kg

Vakuumflachsauger Ø 190 mm

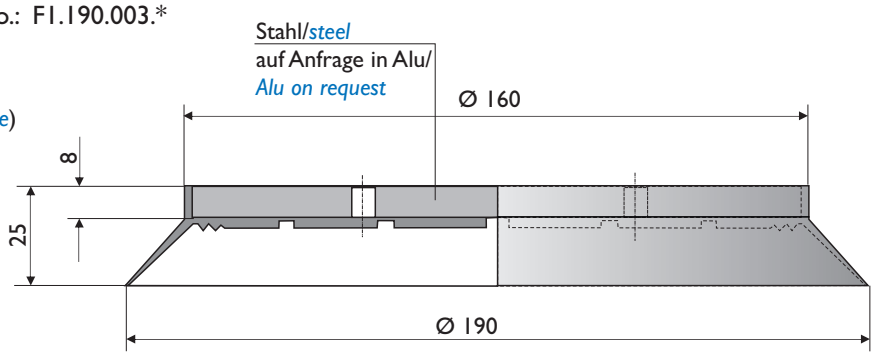
Flat Vacuum Suction Cups dia. 190 mm

Art. No.: F1.190.002.* + Art. No.: F1.190.003.*
(mit Bohrbild/*with drilling picture*)

Art. No.: F0.190.002.*
(ohne Bohrbild/*without drilling picture*)

Hub/*Stroke*: ca. 9 mm
Gewicht/*Weight*: 540 g

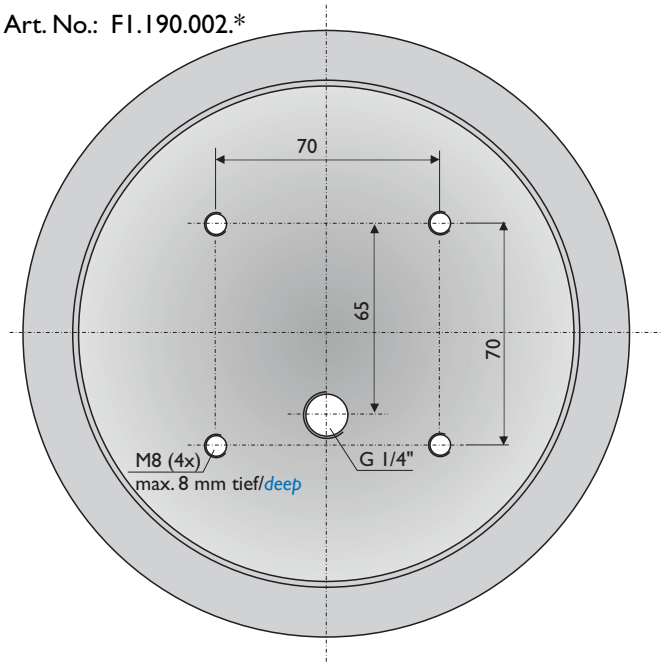
*Material:
NBR grau/*grey*
SBR rotbraun/*red brown*
Weitere Materialien auf Anfrage.
Other materials on request.



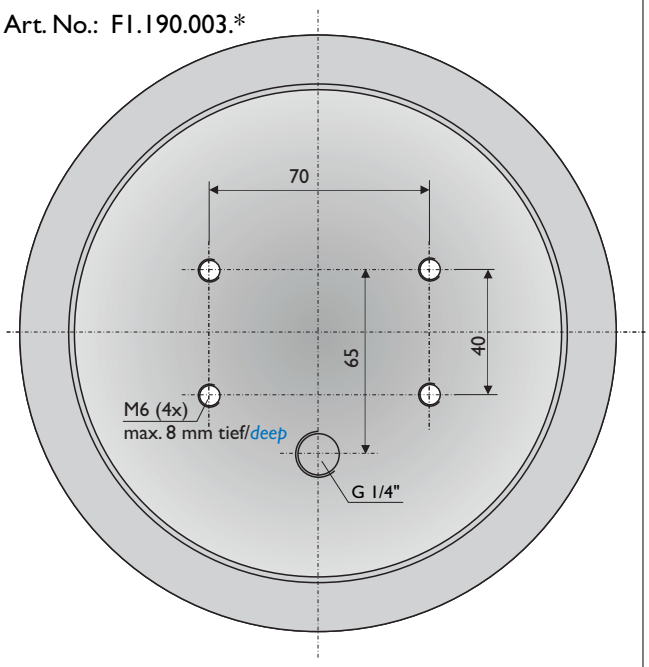
Haltekraft bei einfacher Sicherheit
bei 60% Vakuum: 170 kg

Holding force with simple security
at 60% vacuum: 170 kg

Art. No.: F1.190.002.*



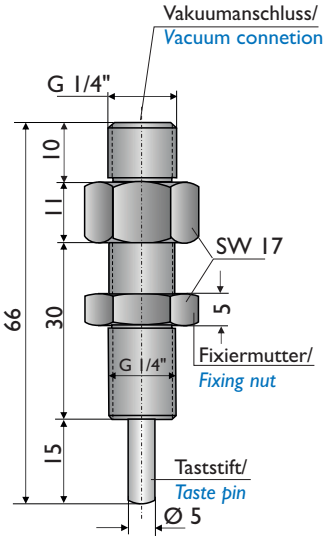
Art. No.: F1.190.003.*



Standardtastventil Art. No.: TV.013
höhenverstellbar
Hub: 15 mm einstellbar
Gewicht: 14 g

Plunger valve Art. No.: TV.013
height adjustable
Stroke: 15 mm adjustable
Weight: 14 g

Weitere Typen auf Anfrage lieferbar.
Further types are available on request.

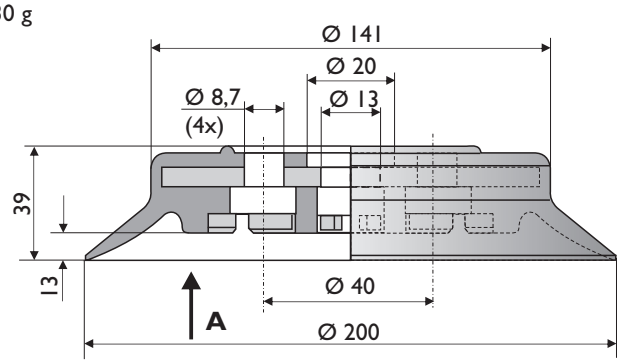


Vakuumflachsauger Ø 200 mm

Flat Vacuum Suction Cups dia. 200 mm

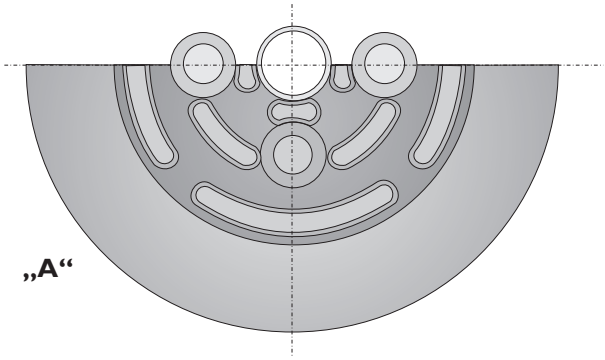
Art. No.: F0.200.001.*

Hub/*Stroke*: 13 mm
Gewicht/*Weight*: 830 g



*Material:
NBR schwarz/*black* - 40° - +110° C
Silikon transparent - 70° - +200° C
Polyurethan blau/*blue* - 25° - +80° C

Art.No.: F0.200.AM2.bl
hochabdruckarm/*high anti-marking*
temperaturbeständig/*temperature resistant*
-10° - +165° C



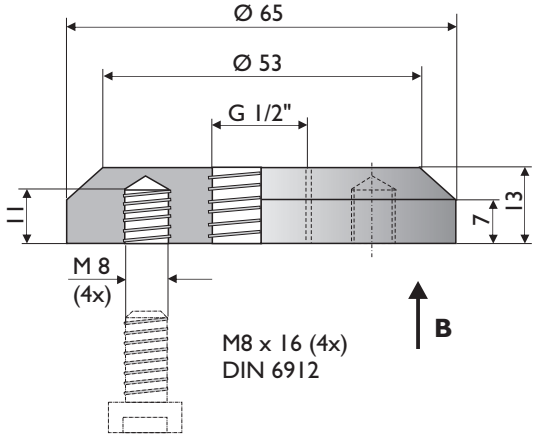
Einsatzbereiche:
Für flächige Werkstücke mit glatter oder leicht rauer Oberfläche (Bleche, Holz, Glas usw.).

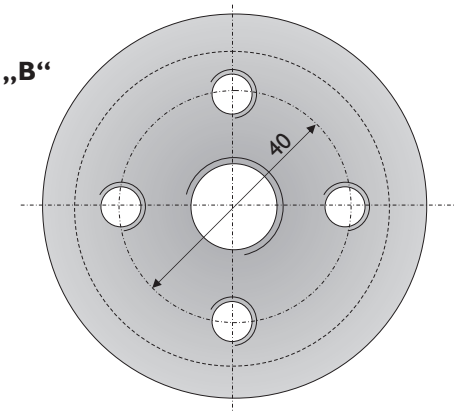
Vorteile:
Positionsstabil durch einvulkanisierte Trägerplatte.
Auch für hohe Beschleunigungen geeignet.
Optional: mit Anschlussteil IG 1/2"

Use:
For flat workpieces with smooth or lightly rough surface (sheets, wodden, glass etc.).

Advantages:
With a stable position by a invulcanized carrier plate.
Suitable for high accelerations.
Option: with fitting IG 1/2"

Anschlussteil/*Fitting* (Standard):
AT.0056 - IG 1/2"
Material: Aluminium





Hinweis:
Passende Federstößel mit verschiedenen Hüben auf Anfrage lieferbar.

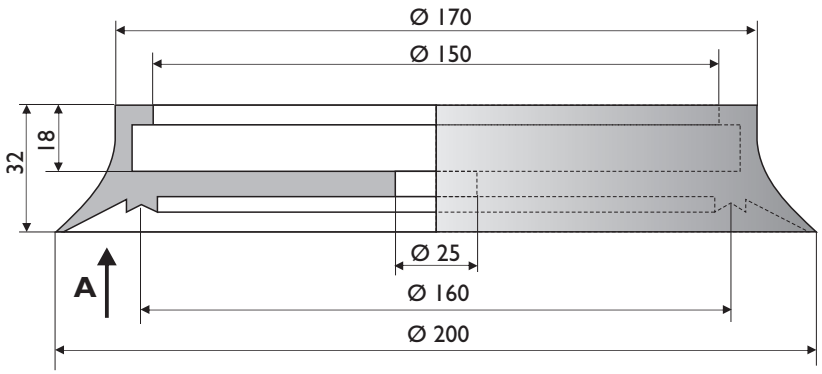
Note:
Suitable spring levelers with different strokes are available on request.

Vakuumflachsauger Ø 200 mm

Flat Vacuum Suction Cups dia. 200 mm

Art. No.: F0.200.002.*

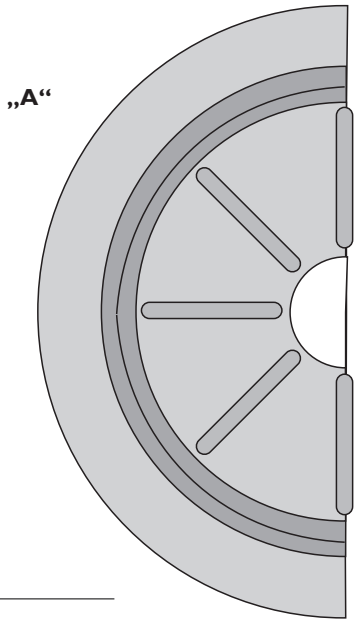
Hub/*Stroke*: 5 mm
Gewicht/*Weight:* 210 g



* Material:
NBR grau/*grey* 50° Shore
NR rot/*red* 35° Shore
Silikon transparent 55° Shore

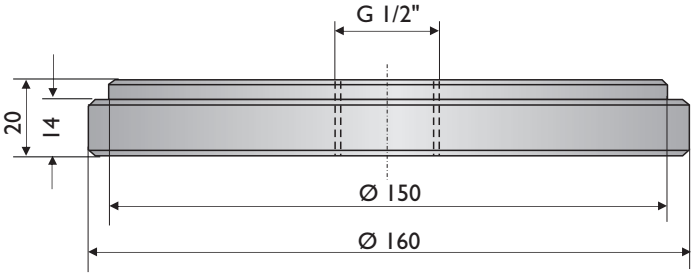
Spezialeinsatz für die Holzindustrie.
Vorteil: Optimale Abdichtung von rauen und unebenen Werkstücken durch zweifache, innenliegende „V-Dichtlippe".

Special use for the woodworking industrie.
Advantage: optimal sealing of rough and uneven workpieces due to double inner „V-Lips".



Anschlussteil/*Fitting*
AT.0335 - IG 1/2"

Gewicht/*Weight*: 1080 g
Material: Alu, blank



Vakuumflachsauger Ø 210 - 215 mm

Flat Vacuum Suction Cups dia. 210 - 215 mm

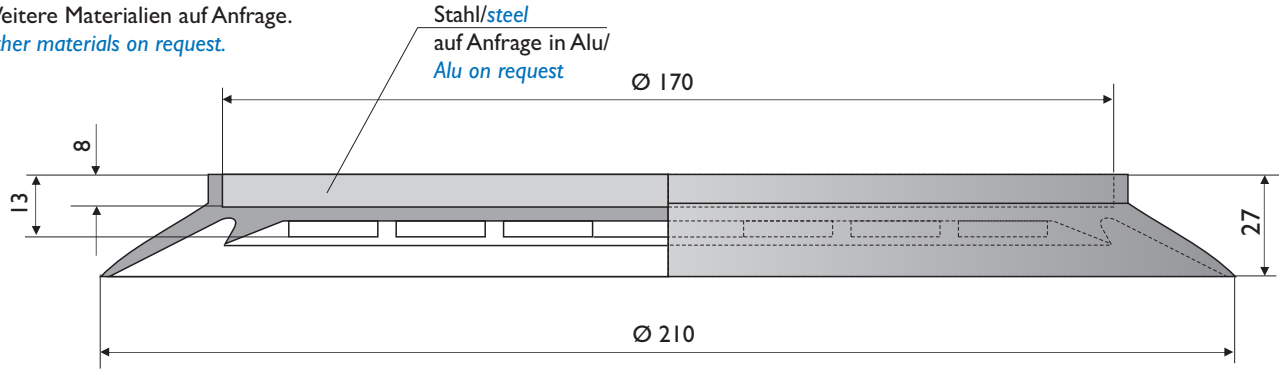
Art. No.: F0.210.002.* ohne Bohrbild/*without drilling picture*

Art. No.: F1.210.002.* mit Bohrbild/*with drilling picture:* IG M16x1,5 mm, mittig/*center*
oder anderes Bohrbild auf Anfrage/*or another drilling picture on request*)

Hub/*Stroke*: 14 mm
Gewicht/*Weight*: 1300 g (Stahl/*steel*)

*Material:
NBR grau/*grey*
hochabriebfest, ölbeständig, hochabdruckarm/
high abrasion resistant, oil resistant, high anti marking
SBR rotbraun/*red brown*

Weitere Materialien auf Anfrage.
Other materials on request.



Haltekraft bei 1-facher Sicherheit und 60% Vakuum: ca. 188 kg
Holding force with simple security and 60% vacuum: approx. 188 kg

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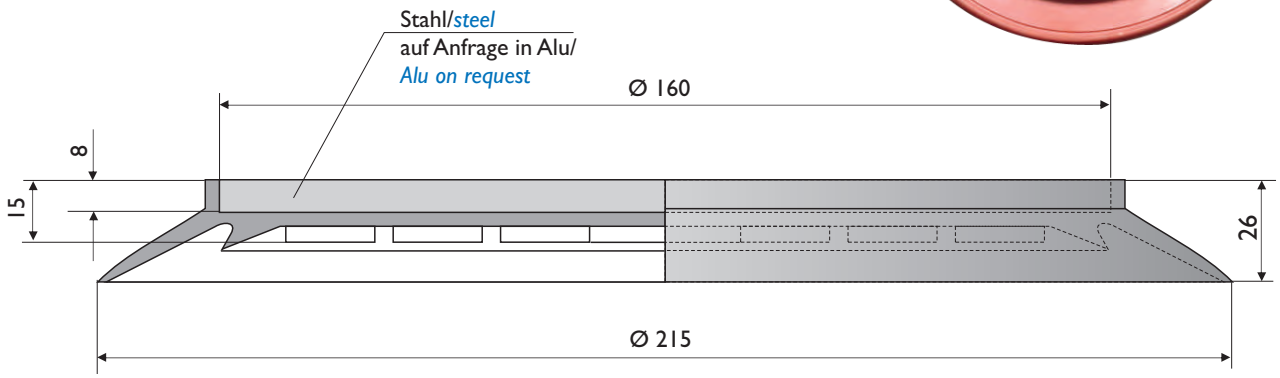
Art. No.: F0.215.002.*

Hub/*Stroke*: 11 mm
Gewicht/*Weight*: 1400 g (Stahl/*steel*)

*Material:
NBR grau/*grey*
hochabriebfest, ölbeständig, hochabdruckarm/
high abrasion resistant, oil resistant, high anti marking
SBR rotbraun/*red brown*
SBR schwarz/*black*

Ohne Bohrbild/*without drilling picture*

Auf Wunsch: mit Vakuumanschluss
und Befestigungsgewinde/
On request: with vacuum connect
and fastening thread



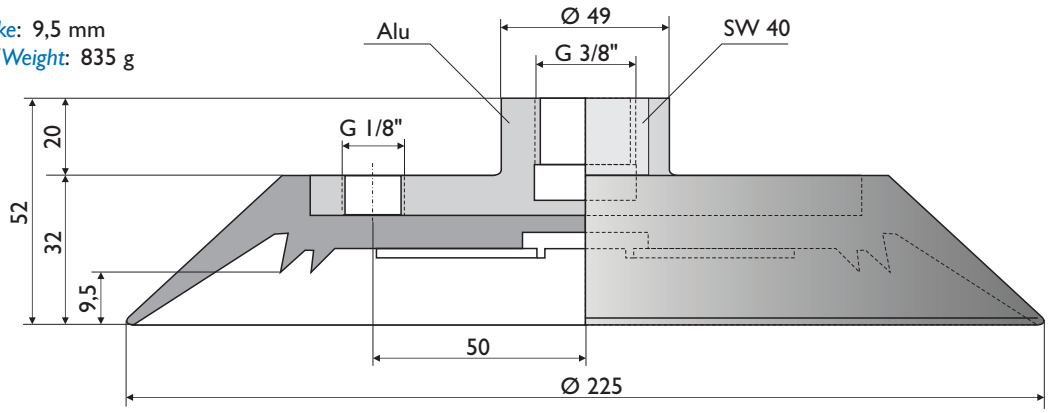
Haltekraft bei 1-facher Sicherheit und 60% Vakuum: ca. 215 kg
Holding force with simple security and 60% vacuum: approx. 215 kg

Vakuumflachsauger Ø 225 - 240 mm

Flat Vacuum Suction Cups dia. 225 - 240 mm

Art. No.: F1.225.001.*

Hub/*Stroke*: 9,5 mm
Gewicht/*Weight*: 835 g



*Material:
NBR schwarz/*black* 50° Shore
Silikon rot/*red* 55° Shore

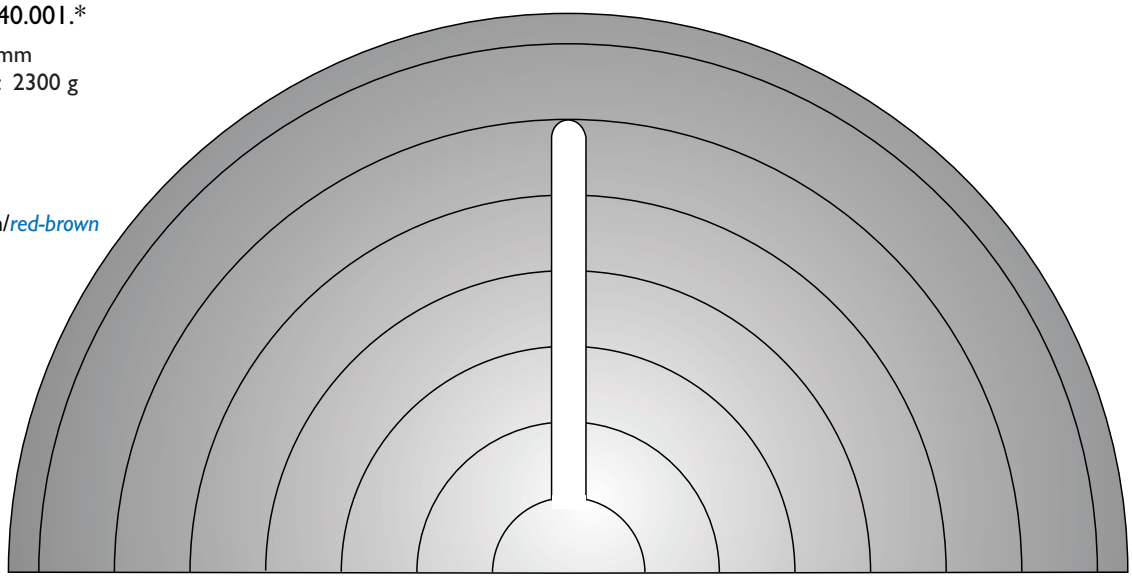
Hinweis:
Gewinde G1/8" ist nicht durch das Gummi gebohrt.

Note:
Threads G1/8" is not drilled through the rubber.

Art. No.: F0.240.001.*

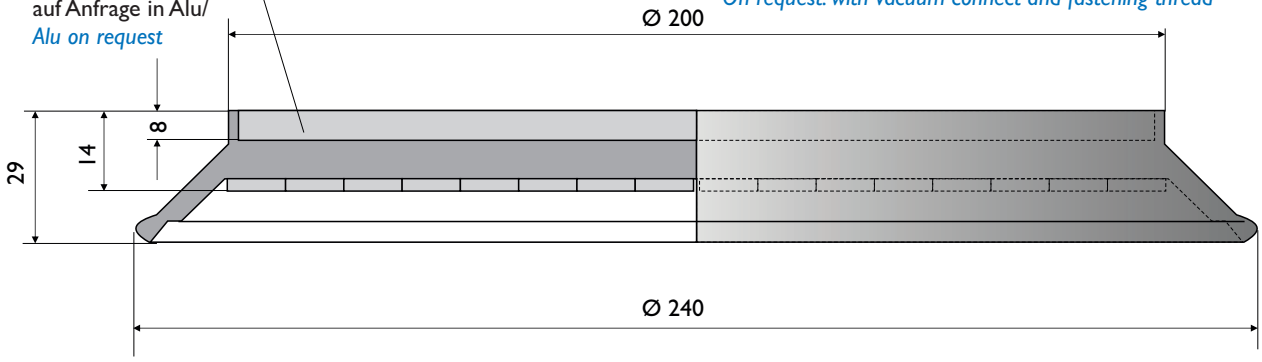
Hub/*Stroke*: 14 mm
Gewicht/*Weight*: 2300 g

*Material:
NBR grau/*grey*
Silikon rotbraun/*red-brown*



Auf Wunsch: mit Vakuumanschluss und Befestigungsgewinde/
On request: with vacuum connect and fastening thread

Stahl/*steel*
auf Anfrage in Alu/
Alu on request



Vakuumflachsauger Ø 260 - 270 mm

Flat Vacuum Suction Cups dia. 260 - 270 mm

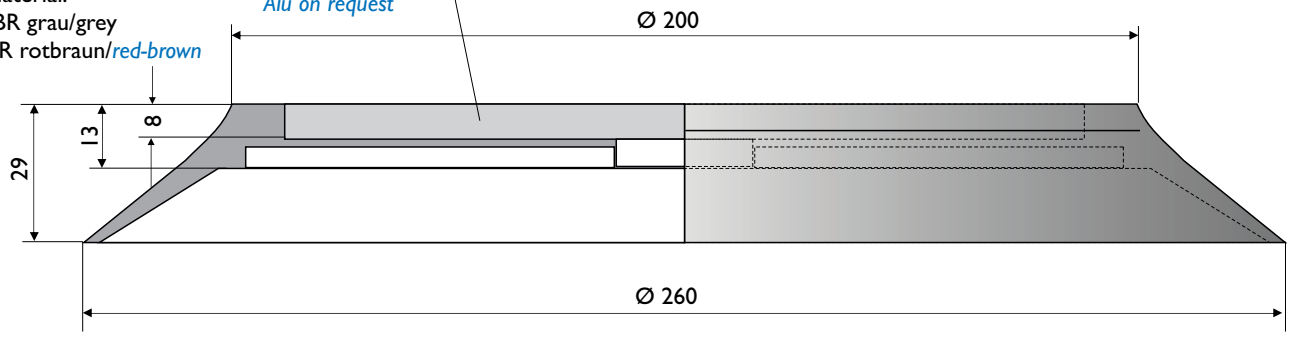
Art. No.: F0.260.001.*

Hub/*Stroke*: 8,0 mm
Gewicht/*Weight*: 2200 g

*Material:
NBR grau/grey
SBR rotbraun/*red-brown*

Stahl/*steel*
auf Anfrage in Alu/
Alu on request

Mit Vakuumanschluss und Befestigungsgewinde nach Bohrbild möglich.
With vacuum connect and mounting thread on request.



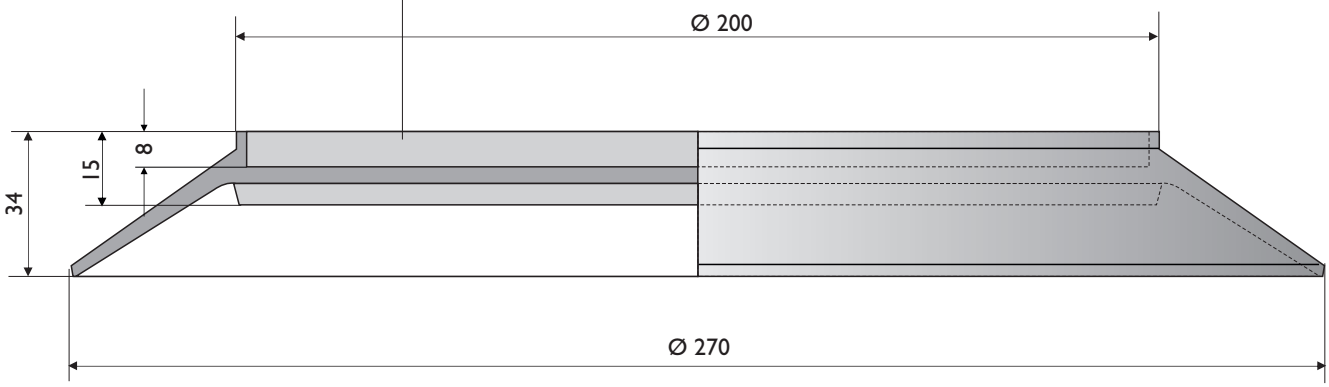
Art. No.: F0.270.001.* (ohne Bohrbild/*without drilling picture*)
Art. No.: F1.270.001.* (mit Bohrbild mittig IG 1/4"/*with drilling picture center IG 1/4"*)

Hub/*Stroke*: 19 mm
Gewicht/*Weight:* 2200 g (Stahl/*steel*)

* Material:
NBR grau/*grey*
SBR rotbraun/red brown

Stahl/*steel*
auf Anfrage in Alu/
Alu on request

Mit Vakuumanschluss und Befestigungsgewinde nach Bohrbild möglich.
With vacuum connect and mounting thread on request.



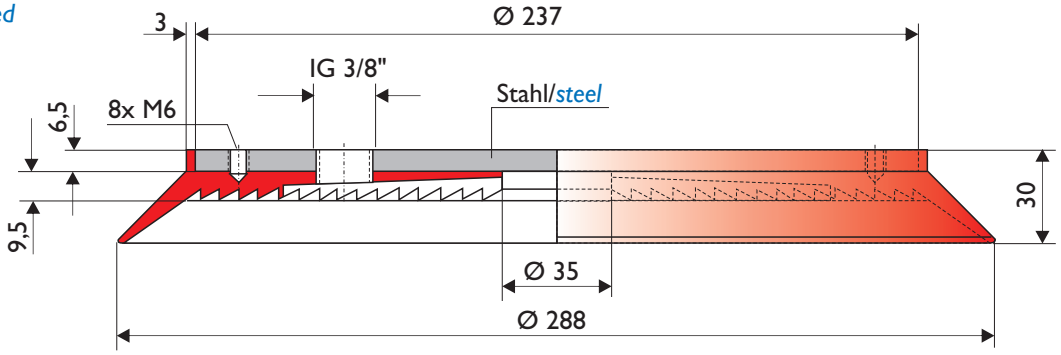
Vakuumflachsauger Ø 288 mm

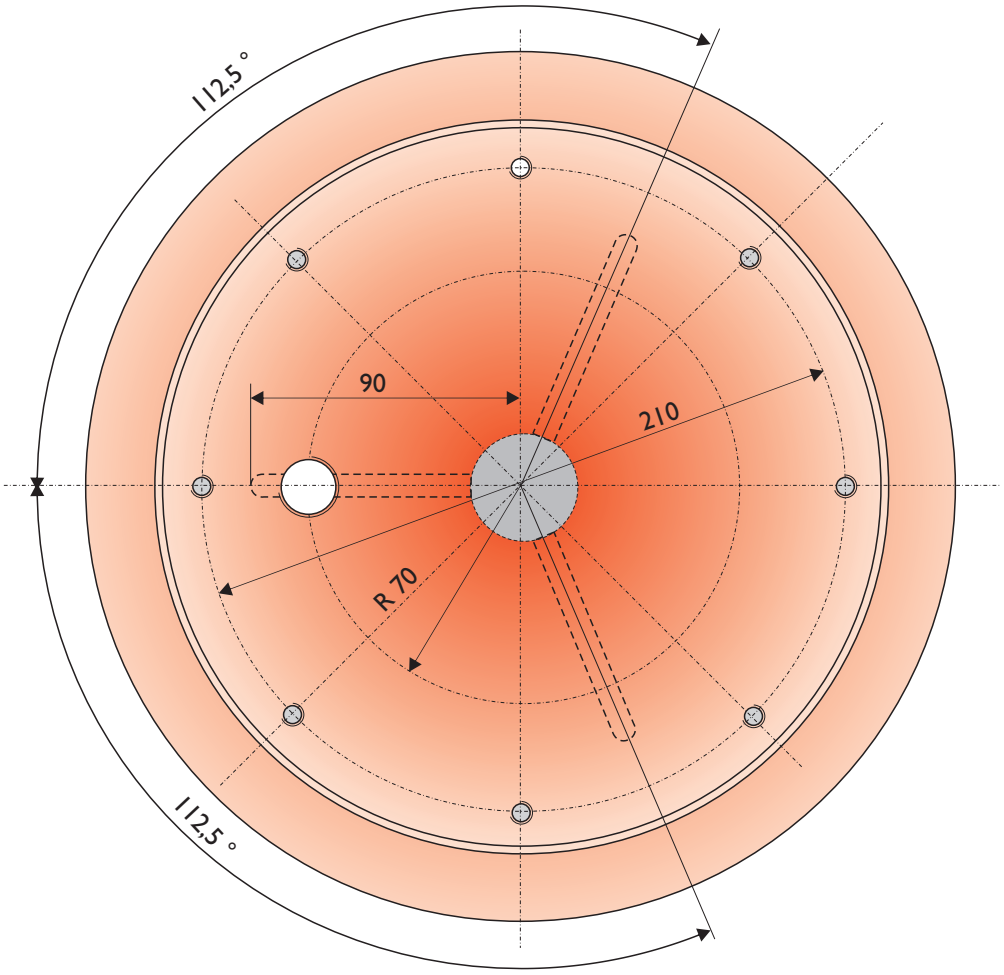
Flat Vacuum Suction Cups dia. 288 mm

Art. No.: F1.288.001.*

Hub/*Stroke*: 12 mm
Gewicht/*Weight*: 2580 g

*Material:
Silikon rot/*red*





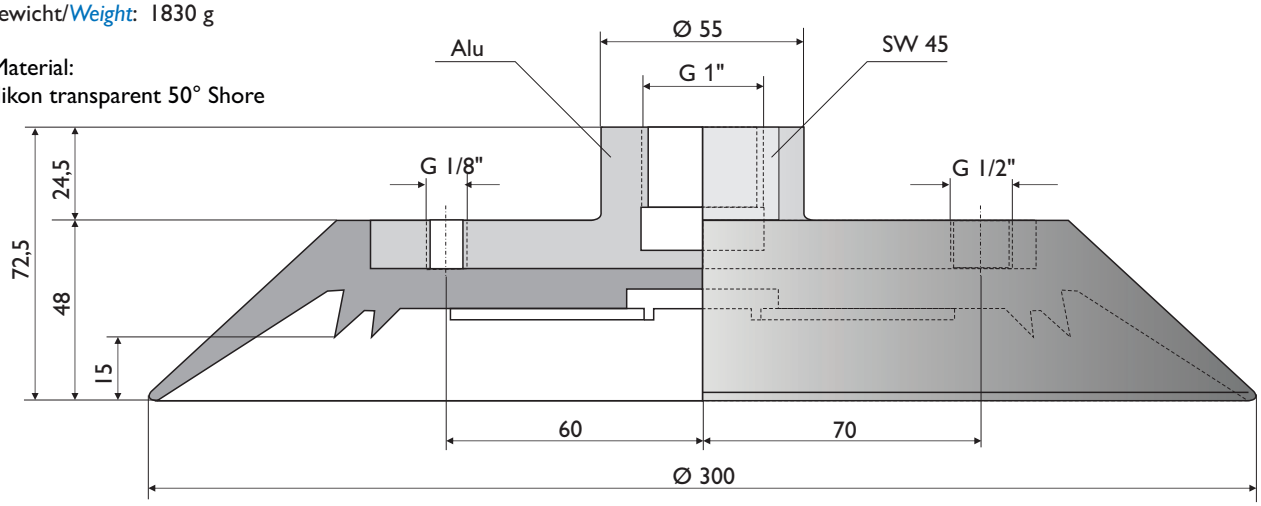
Vakuumflachsauger Ø 300 mm

Flat Vacuum Suction Cups dia. 300 mm

Art. No.: F1.300.001.*

Hub/*Stroke*: 15 mm
Gewicht/*Weight*: 1830 g

*Material:
Silikon transparent 50° Shore



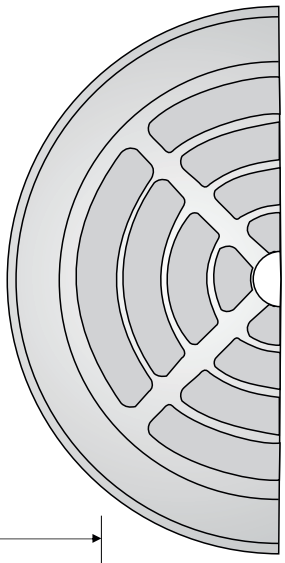
Hinweis:
Gewinde G1/8" und G 1/2"
sind nicht durch das Gummi gebohrt.

Note:
Threads G1/8" and G1/2"
are not drilled through the rubber

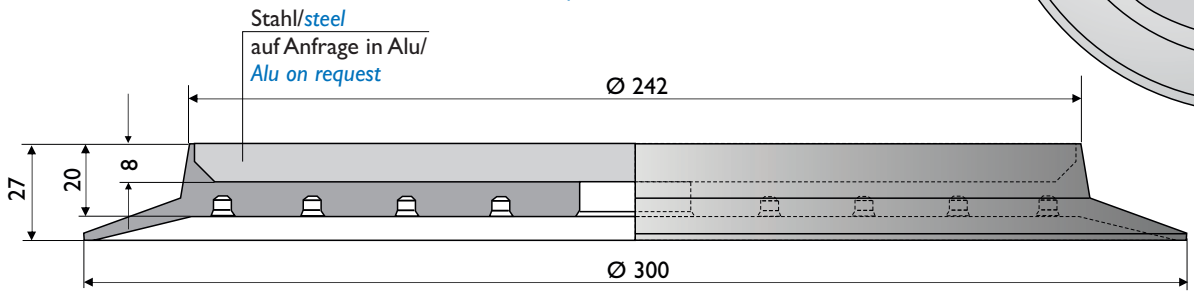
Art. No.: F0.300.001.*

Hub/*Stroke*: 7,0 mm
Gewicht/*Weight*: 3400 g

*Material:
NBR grau/*grey*
SBR rotbraun/*red-brown*



Mit Vakuumanschluss und Befestigungsgewinde
auf Wunsch nach Bohrbild möglich.
With vacuum connect and mounting thread
on request.



Haltekraft bei 1-facher Sicherheit und 60% Vakuum: ca. 210 kg
Holding force with simple security and 60% vacuum: approx. 210 kg

Vakuumflachsauger Ø 340 mm

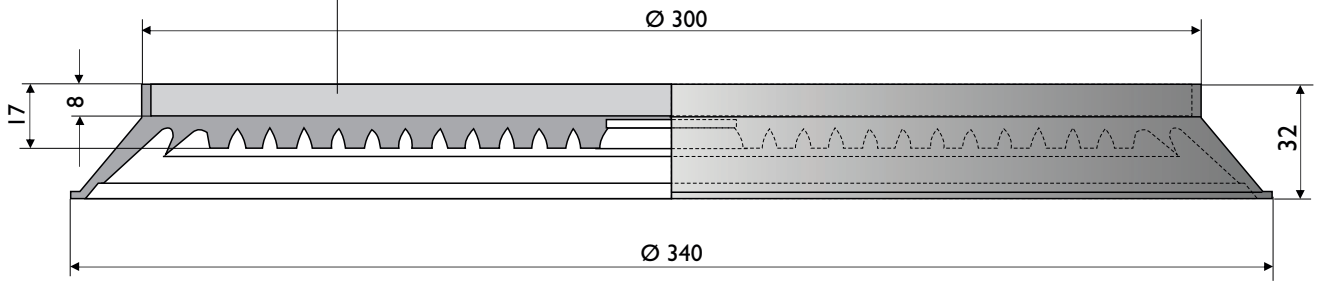
Flat Vacuum Suction Cups dia. 340 mm

Art. No.: F0.340.001.*

Hub/*Stroke*: 15 mm
Gewicht/*Weight*: 4900 g

Stahl/*steel*
auf Anfrage in Alu/
Alu on request

Mit Vakuumanschluss und Befestigungsgewinde auf Wunsch nach Bohrbild möglich.
With vacuum connect and mounting thread on request.



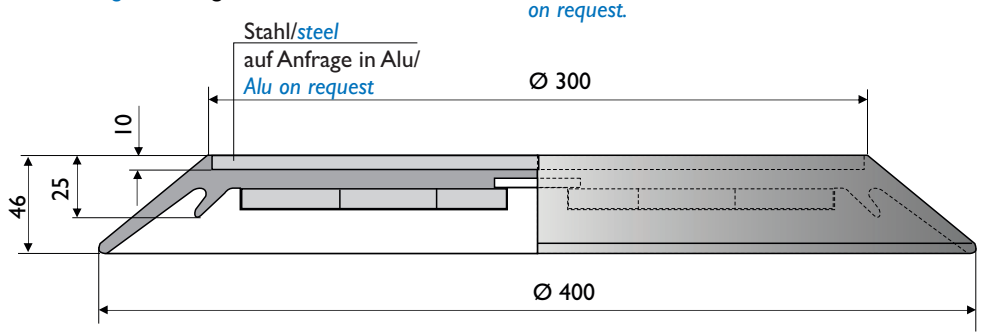
*Material:
NBR grau/*grey*
SBR rotbraun/*red-brown*

Haltekraft bei 1-facher Sicherheit und 60% Vakuum: ca. 265 kg
Holding force with simple security and 60% vacuum: approx. 265 kg

Art. No.: F0.400.001.*

Hub/*Stroke*: 25 mm
Gewicht/*Weight*: 5900 g

Mit Vakuumanschluss und Befestigungsgewinde auf Wunsch nach Bohrbild möglich.
With vacuum connect and mounting thread on request.



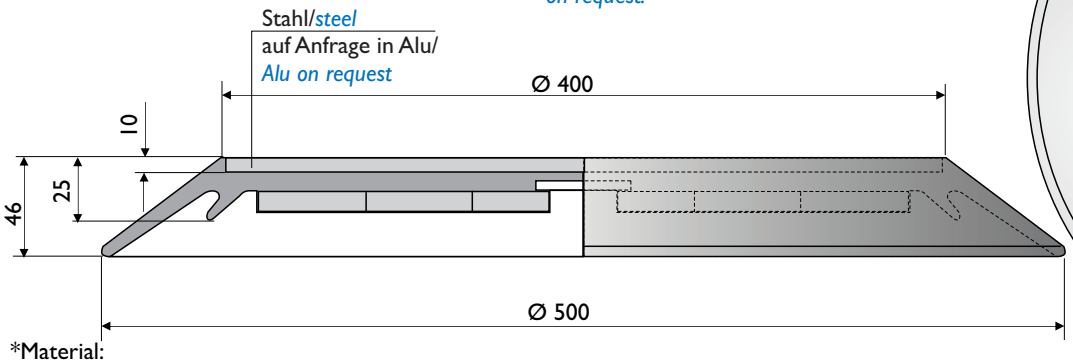
*Material:
NBR grau/*grey*
SBR rotbraun/*red-brown*

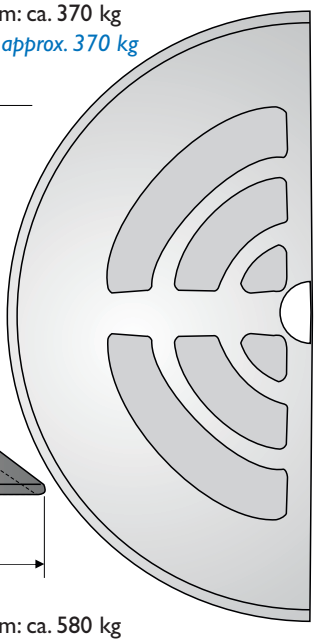
Haltekraft bei 1-facher Sicherheit und 60% Vakuum: ca. 370 kg
Holding force with simple security and 60% vacuum: approx. 370 kg

Art. No.: F0.500.001.*

Hub/*Stroke*: 25 mm
Gewicht/*Weight*: 8300 g

Mit Vakuumanschluss und Befestigungsgewinde auf Wunsch nach Bohrbild möglich.
With vacuum connect and mounting thread on request.





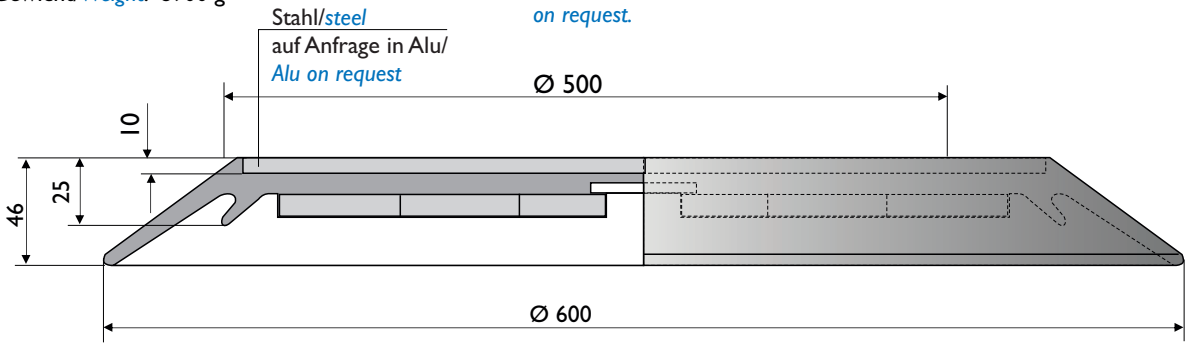
*Material:
NBR grau/*grey*
SBR rotbraun/*red-brown*

Haltekraft bei 1-facher Sicherheit und 60% Vakuum: ca. 580 kg
Holding force with simple security and 60% vacuum: approx. 580 kg

Art. No.: F0.600.001.*

Hub/*Stroke*: 25 mm
Gewicht/*Weight*: 8900 g

Mit Vakuumanschluss und Befestigungsgewinde auf Wunsch nach Bohrbild möglich.
With vacuum connect and mounting thread on request.



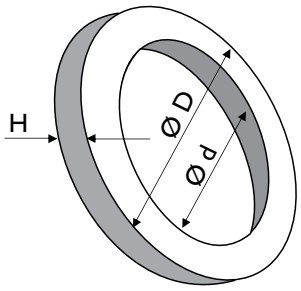
*Material:
NBR grau/*grey*
SBR rotbraun/*red-brown*

Haltekraft bei 1-facher Sicherheit und 60% Vakuum: ca. 840 kg
Holding force with simple security and 60% vacuum: approx. 840 kg

Zubehör - Halteringe

Accessories - Holding Rings

Halteringe Serie HR-P
Holding rings Series HR-P

Art. No.	Ø D mm	Ø d mm	H mm
HR.001	14	9,7	1,8
HR.002	20	13	2,5
HR.003	26	19	3,2

Material:
Polyurethan 60° Shore