

Vakuumsauger - Druckindustrie
Vacuum Suction Cups - Printing Industry

Spezialsauger und Komponenten für die Druckindustrie *Special Suction Cups and Components for the Printing Industry*

Die Technik der MF Automation GmbH hat eine über 20-jährige Erfahrung in der Vakuum- und Greifertechnik.

Als Lieferant von Vakuumsaugern an verschiedene Unternehmen aus der Druckindustrie haben wir in diesem Spezialkatalog „DS.17“ die meist verwendeten Typen von Vakuumsaugern dargestellt.

Wenn Sie ihren gewünschten Artikel in diesen Katalog nicht finden, so senden Sie uns bitte ein Foto, eine Skizze oder Muster zu. Bitte geben Sie uns dazu auch die, von ihnen gewünschte Stückzahl an.

Einsatz finden unsere Vakuumsauger u. a. in folgende Maschinen aus der Druckereiindustrie:

AB DICK – ATF CHIEF - AURELIA - ASTRO - BOBST - CUMMINGTON – DEXTER – FUJI SHINOHARA –
 HAMADA – HARRIS – HEIDELBERG – HORIZON – KLUGE – KOLBUS – KOMORI - MAN ROLAND -
 MIELE – MÜLLER MARTINI – PHILLIPSBURG - RYOBI – SHERIDIAN – UHLMANN

Im unserem Lieferprogramm haben wir außerdem folgende Komponenten, die nicht nur in der Druckindustrie Verwendung finden:

Vakuumpumpen – Pneumatische Saug- und Gebläsepumpen - Vakuumfilter – Vakuumventile – Vakuumschläuche uvm.
 Unterlagen hierzu sehen Sie auf unserer Website www.mf-automation.com oder in unserem Katalog, den wir Ihnen auf Wunsch sehr gerne zusenden.



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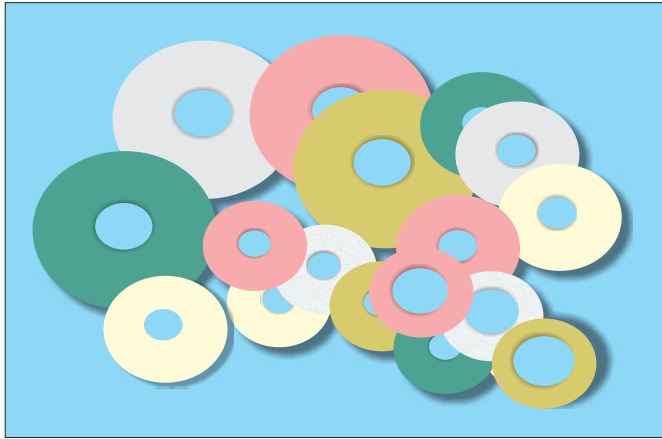
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Gummischeiden für die Druckindustrie

Flat Rubber Discs for the Printing Industry



Die Gummischeiden werden vor allem in der Druckindustrie als Vakuumsauger für Papier und Kartonagen verwendet. Die verschiedenen Materialdicken sind farblich gekennzeichnet. An die Artikelnummer wird als letzte Zahl die Farbnummer* angehängt.

Verpackungseinheit = 100 Stück/*Packing unit = 100 pieces*

Material <i>Material</i>	Dicke <i>Thickness</i> mm	Farbe <i>Color</i>	Farb-No.* <i>Color-No.*</i>
NR**	0,5	weiß/white	1
NR	0,8	rosa/pink	2
NR	1,0	beige/beige	3
NR	1,6	weiß/white	4
NR	2,0	grün/green	5
PU	0,8	transparent	6

** Naturgummi/*Natural Rubber*

Hinweis:

- Sondergrößen auf Anfrage
- Saugscheibenhalter siehe Kapitel 6 (Zubehör)

Notes:

- *Special shapes on request*
- *Holder for flat rubber disk see chapter 6 (Accessories)*

The Flat Rubber Discs are mainly used in the printing industry as vacuum suction cups for paper and cardboards.

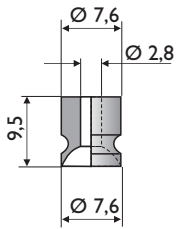
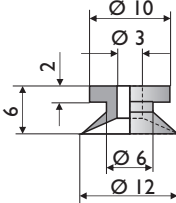
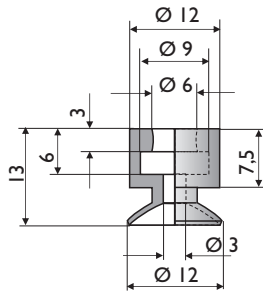
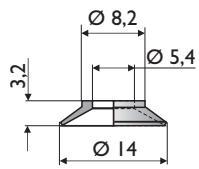
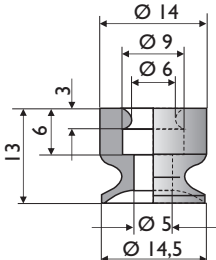
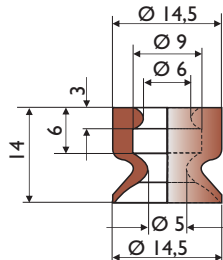
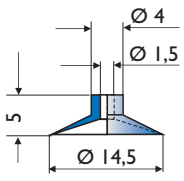
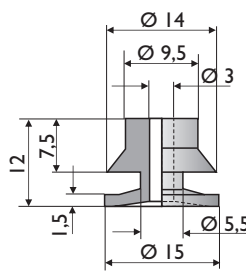
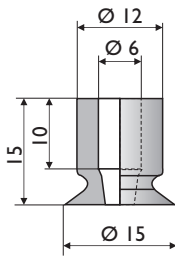
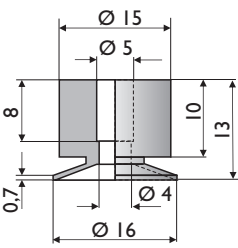
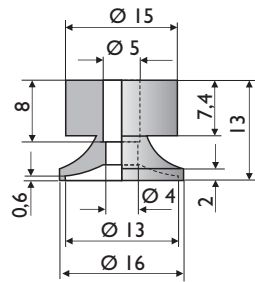
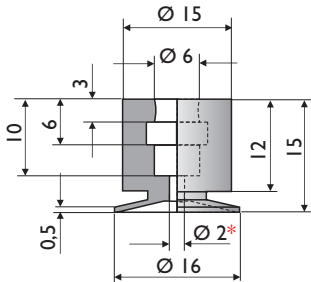
The various material thickness are color coded.

To the item number as last is appended the color number.*

Pos.	Art. No.	Außen-Ø <i>External dia.</i>	Innen-Ø <i>Internal dia.</i>
1	DR.127.001.*	12,7	1,6
2	DR.159.002.*	15,9	1,6
3	DR.159.003.*	15,9	3,2
4	DR.175.004.*	17,5	3,2
5	DR.190.005.*	19,0	1,6
6	DR.190.006.*	19,0	3,2
7	DR.190.007.*	19,0	4,8
8	DR.190.008.*	19,0	6,4
9	DR.206.009.*	20,6	3,2
10	DR.206.010.*	20,6	4,8
11	DR.206.011.*	20,6	7,9
12	DR.222.012.*	22,2	3,2
13	DR.222.013.*	22,2	4,8
14	DR.222.014.*	22,2	6,4
15	DR.238.015.*	23,8	4,8
16	DR.238.016.*	23,8	6,4
17	DR.238.017.*	23,8	9,5
18	DR.238.018.*	23,8	11,1
19	DR.238.019.*	23,8	12,7
20	DR.254.020.*	25,4	4,8
21	DR.254.021.*	25,4	6,4
22	DR.254.022.*	25,4	7,9
23	DR.254.023.*	25,4	9,5
24	DR.270.024.*	27,0	3,2
25	DR.270.025.*	27,0	4,8
26	DR.270.026.*	27,0	6,4
27	DR.270.027.*	27,0	9,5
28	DR.286.028.*	28,6	6,4
29	DR.286.029.*	28,6	7,9
30	DR.286.030.*	28,6	9,5
31	DR.286.031.*	28,6	11,1
32	DR.286.032.*	28,6	12,7
33	DR.286.033.*	28,6	14,3
34	DR.302.034.*	30,2	7,9
35	DR.302.035.*	30,2	9,5

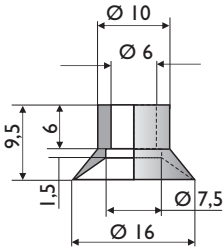
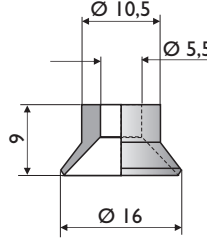
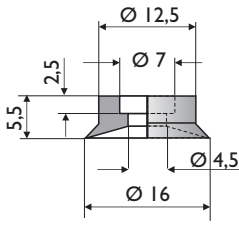
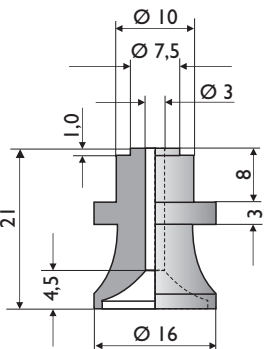
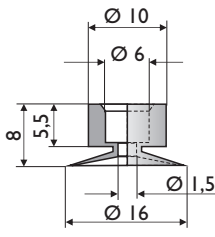
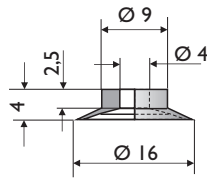
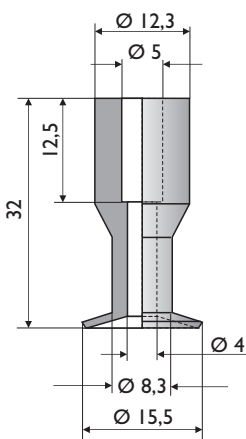
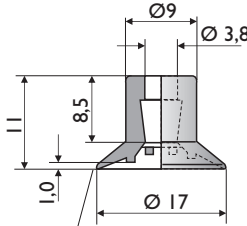
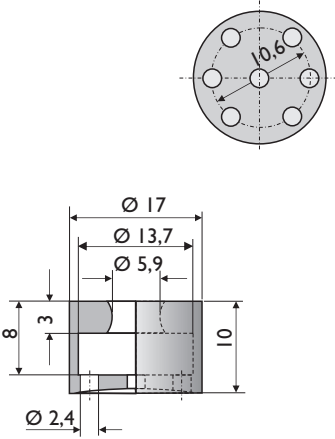
Pos.	Art. No.	Außen-Ø <i>External dia.</i>	Innen-Ø <i>Internal dia.</i>
36	DR.302.036.*	30,2	12,7
37	DR.302.037.*	30,2	14,3
38	DR.302.038.*	30,2	19,0
39	DR.318.039.*	31,8	4,8
40	DR.318.040.*	31,8	6,4
41	DR.318.041.*	31,8	9,5
42	DR.318.042.*	31,8	11,1
43	DR.318.043.*	31,8	12,7
44	DR.318.044.*	31,8	14,3
45	DR.318.045.*	31,8	15,9
46	DR.350.046.*	35,0	4,8
47	DR.350.047.*	35,0	9,5
48	DR.350.048.*	35,0	12,7
49	DR.350.049.*	35,0	14,3
50	DR.350.050.*	35,0	15,9
51	DR.381.051.*	38,1	4,8
52	DR.381.052.*	38,1	6,4
53	DR.381.053.*	38,1	9,5
54	DR.381.054.*	38,1	11,1
55	DR.381.055.*	38,1	12,7
56	DR.381.056.*	38,1	14,3
57	DR.381.057.*	38,1	15,9
58	DR.413.058.*	41,3	9,5
59	DR.413.059.*	41,3	12,7
60	DR.413.060.*	41,3	14,3
61	DR.413.061.*	41,3	15,9
62	DR.445.062.*	44,5	7,9
63	DR.445.063.*	44,5	12,7
64	DR.445.064.*	44,5	14,3
65	DR.445.065.*	44,5	15,9
66	DR.445.066.*	44,5	20,6
67	DR.508.067.*	50,8	6,4
68	DR.508.068.*	50,8	7,9
69	DR.508.069.*	50,8	12,7
70	DR.508.070.*	50,8	14,3

Flat Suction Cup for the Printing Industry

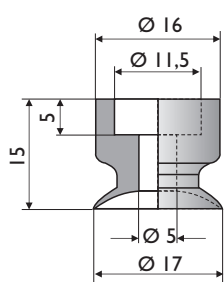
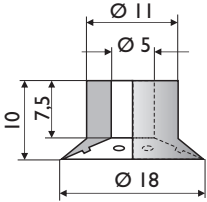
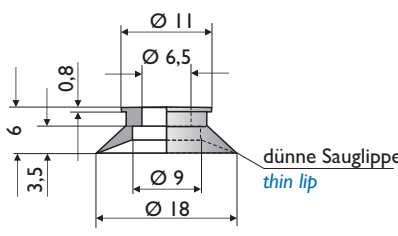
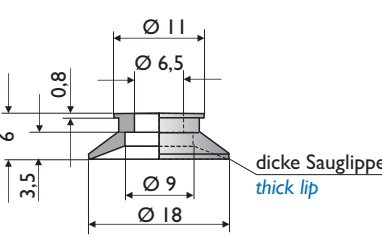
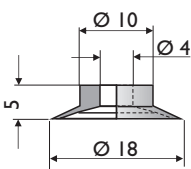
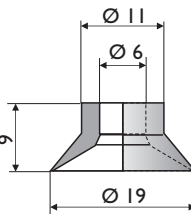
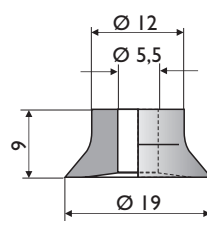
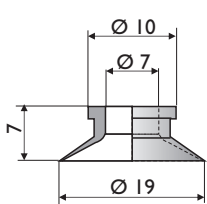
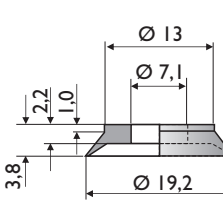
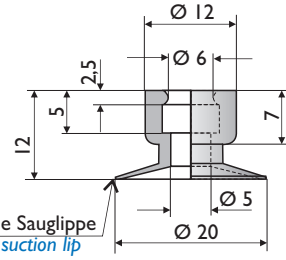
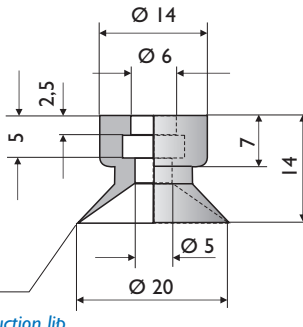
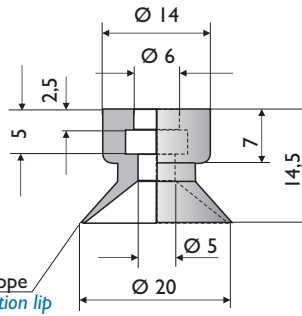
<p>Art. No.: F0.008.007.NRsw Hub/<i>Stroke</i>: 1,0 mm Gewicht/<i>Weight</i>: 0,5 g</p> 	<p>Art. No.: F0.012.004.NRb Hub/<i>Stroke</i>: 2,5 mm Gewicht/<i>Weight</i>: 0,2 g</p> 	<p>Art. No.: F0.012.005.NRr Hub/<i>Stroke</i>: 1,5 mm Gewicht/<i>Weight</i>: 1,0 g</p> 
<p>Art. No.: F0.014.001.NBRsw + PUbI Hub/<i>Stroke</i>: 1,5 mm Gewicht/<i>Weight</i>: 0,3 g</p> 	<p>Art. No.: F0.014.002.NRr Hub/<i>Stroke</i>: 2,0 mm Gewicht/<i>Weight</i>: 1,0 g</p> 	<p>Art. No.: F0.014.003.VUb Hub/<i>Stroke</i>: 2,5 mm Gewicht/<i>Weight</i>: 1,0 g</p> 
<p>Art. No.: F0.015.009.Vbl Hub/<i>Stroke</i>: 1,0 mm Gewicht/<i>Weight</i>: 0,5 g</p> 	<p>Art. No.: F0.015.008.NRsw Hub/<i>Stroke</i>: 1,0 mm Gewicht/<i>Weight</i>: 1,0 g</p> 	<p>Art. No.: 011515.NRsw + Str Hub/<i>Stroke</i>: 0 mm Gewicht/<i>Weight</i>: 1,1 g</p> 
<p>Art. No.: F0.016.001.NRsw Hub/<i>Stroke</i>: 1,0 mm Gewicht/<i>Weight</i>: 2,4 g</p> 	<p>Art. No.: F0.016.002.NRsw Hub/<i>Stroke</i>: 1,0 mm Gewicht/<i>Weight</i>: 2,3 g</p> 	<p>Art. No.: F0.016.007.NRgr Art. No.: F0.016.015.Vg (*Ø 4) Hub/<i>Stroke</i>: 1,0 mm Gewicht/<i>Weight</i>: 2,5 g</p> 

Materialangaben für Flachsauger finden Sie auf Seite 13 / Materials specifications for flat suction cups you can find on page 13

Flat Suction Cup for the Printing Industry

<p>Art. No.: F0.016.008.NRgr Hub/<i>Stroke</i>: 1,5 mm Gewicht/<i>Weight</i>: 0,4 g</p> 	<p>Art. No.: F0.016.009.NRb Hub/<i>Stroke</i>: 3,0 mm Gewicht/<i>Weight</i>: 0,4 g</p> 	<p>Art. No.: F0.016.010.NRbg Hub/<i>Stroke</i>: 0,3 mm Gewicht/<i>Weight</i>: 0,4 g</p> 
<p>Art. No.: F0.016.011.NRb Hub/<i>Stroke</i>: 4,0 mm Gewicht/<i>Weight</i>: 1,6 g</p> 	<p>Art. No.: F0.016.012.NRgr Hub/<i>Stroke</i>: 0,5 mm Gewicht/<i>Weight</i>: 0,4 g</p> 	<p>Art. No.: F0.016.013.NRw Hub/<i>Stroke</i>: 0,5 mm Gewicht/<i>Weight</i>: 0,8 g</p> 
<p>Art. No.: F0.016.014.NRsw Hub/<i>Stroke</i>: 0,8 mm Gewicht/<i>Weight</i>: 3,0 g</p> 	<p>Art. No.: 01 017 12.NRsw + NBRsw+Str Hub/<i>Stroke</i>: 1,0 mm Gewicht/<i>Weight</i>: 0,8 g</p> <p>sehr feine Sauglippe <i>very thin suction lip</i></p> 	<p>Art. No.: F0.017.001.NRr + NRsw Gewicht/<i>Weight</i>: 0,5 g</p> 

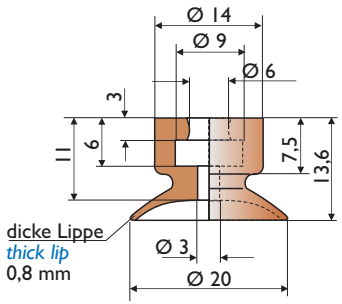
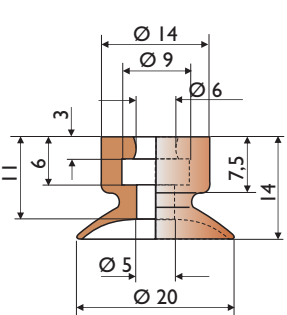
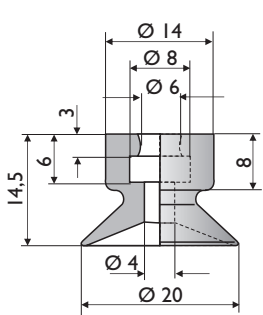
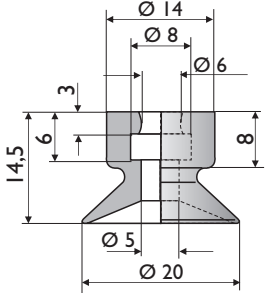
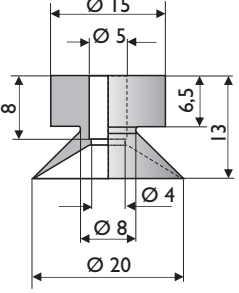
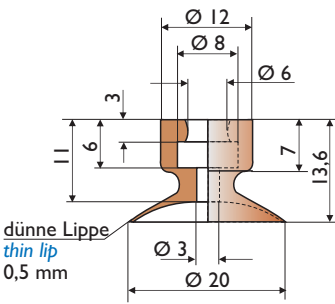
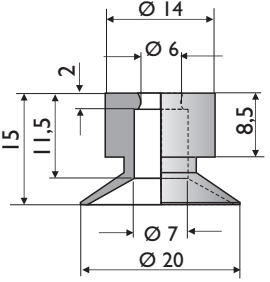
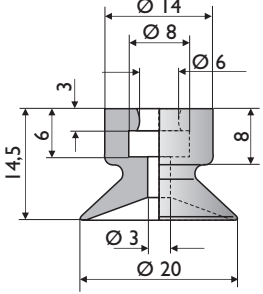
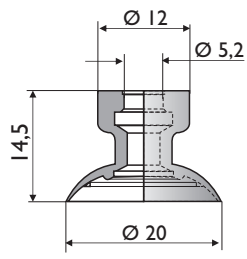
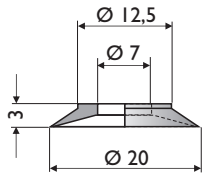
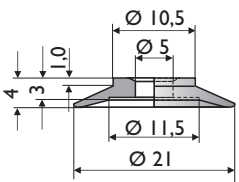
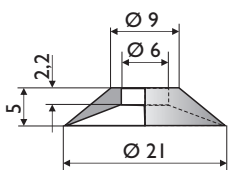
Flat Suction Cup for the Printing Industry

<p>Art. No.: F0.017.003.NRsw Hub/Stroke: 3,0 mm Gewicht/Weight: 2,0 g</p> 	<p>Art. No.: 01 018 12.NRsw + NBRsw + Str Hub/Stroke: 3,0 mm Gewicht/Weight: 2,0 g</p> 	<p>Art. No.: F0.018.001.NRbg Hub/Stroke: 1,0 mm Gewicht/Weight: 0,2 g</p> 
<p>Art. No.: F0.018.001.NRb Hub/Stroke: 0,5 mm Gewicht/Weight: 0,2 g</p> 	<p>Art. No.: F0.018.005.NRsw Hub/Stroke: 1,0 mm Gewicht/Weight: 0,2 g</p> 	<p>Art. No.: F0.019.001.NRb+Str Hub/Stroke: 3,0 mm Gewicht/Weight: 1,1 g</p> 
<p>Art. No.: F0.019.003.NRbg Hub/Stroke: 0,5 mm Gewicht/Weight: 1,2 g</p> 	<p>Art. No.: F0.019.004.NRb Hub/Stroke: 1,0 mm Gewicht/Weight: 1,0 g</p> 	<p>Art. No.: F0.019.005.NRbl + PUr Hub/Stroke: 1,6 mm Gewicht/Weight: 0,5 g</p> 
<p>Art. No.: 01 20 12.NRsw + NBRsw + Str Hub/Stroke: 1,5 mm Gewicht/Weight: 1,5 g</p> 	<p>Art. No.: 01 20 15.NRsw + NBRsw + Str Hub/Stroke: 3,0 mm Gewicht/Weight: 1,5 g</p> 	<p>Art. No.: 01 20 14.NRr Hub/Stroke: 3,5 mm Gewicht/Weight: 1,5 g</p> 

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Flat Suction Cup for the Printing Industry

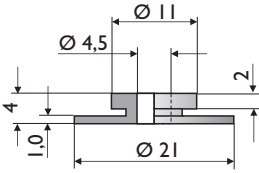
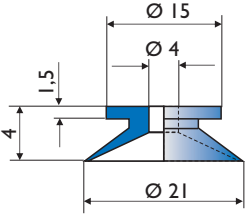
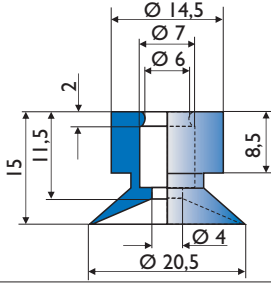
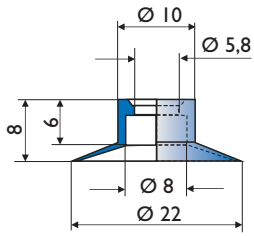
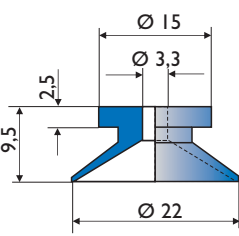
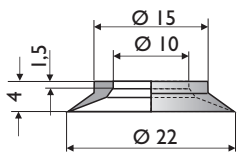
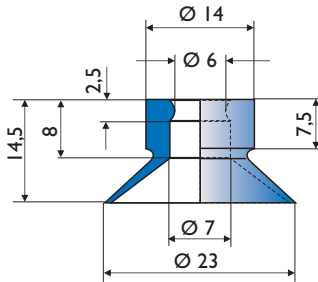
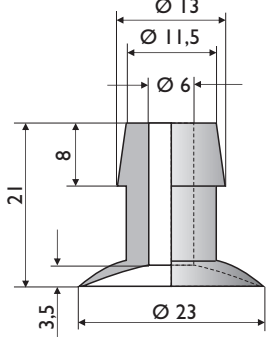
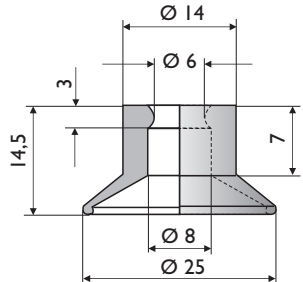
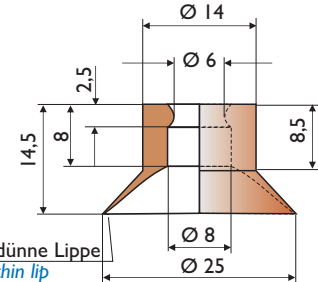
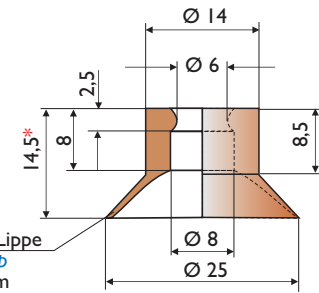
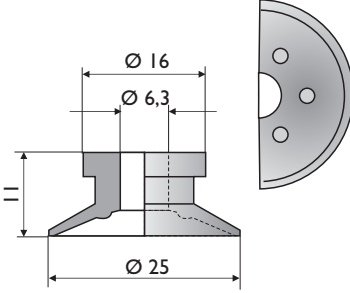
<p>Art. No.: F0.020.002.VUb Hub/<i>Stroke</i>: 2,5 mm Gewicht/<i>Weight</i>: 1,2 g</p>  <p>dicke Lippe <i>thick lip</i> 0,8 mm</p>	<p>Art. No.: F0.020.003.VUb Hub/<i>Stroke</i>: 2,5 mm Gewicht/<i>Weight</i>: 1,2 g</p> 	<p>Art. No.: F0.020.004.NRr + NRsw Hub/<i>Stroke</i>: 3,5 mm Gewicht/<i>Weight</i>: 2,0 g</p> 
<p>Art. No.: F0.020.005.NRr + NRsw Hub/<i>Stroke</i>: 3,5 mm Gewicht/<i>Weight</i>: 2,0 g</p> 	<p>Art. No.: F0.020.006.NRsw Hub/<i>Stroke</i>: 4,0 mm Gewicht/<i>Weight</i>: 2,1 g</p> 	<p>Art. No.: F0.020.008.VUb Hub/<i>Stroke</i>: 2,5 mm Gewicht/<i>Weight</i>: 1,2 g</p>  <p>dünne Lippe <i>thin lip</i> 0,5 mm</p>
<p>Art. No.: F0.020.009.Vtr Hub/<i>Stroke</i>: 3,0 mm Gewicht/<i>Weight</i>: 2,0 g</p> 	<p>Art. No.: F0.020.013.NRr + NRsw Hub/<i>Stroke</i>: 3,5 mm Gewicht/<i>Weight</i>: 2,0 g</p> 	<p>Art. No.: F0.020.016.NRsw Hub/<i>Stroke</i>: 4,5 mm Gewicht/<i>Weight</i>: 1,2 g</p> 
<p>Art. No.: F0.020.026.NBRsw Hub/<i>Stroke</i>: 1,0 mm Gewicht/<i>Weight</i>: 0,1 g</p> 	<p>Art. No.: F0.021.003.NRsw + Str + PUbl Hub/<i>Stroke</i>: 1,0 mm Gewicht/<i>Weight</i>: 0,6 g</p> 	<p>Art. No.: F0.021.004.NRbg Hub/<i>Stroke</i>: 2,8 mm Gewicht/<i>Weight</i>: 0,4 g</p> 

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Flachsauer Druckindustrie

Flat Suction Cup for the Printing Industry

<p>Art. No.: F0.021.005.NRgr Hub/<i>Stroke</i>: 0 mm Gewicht/<i>Weight</i>: 0,3 g</p> 	<p>Art. No.: F0.021.006.Vbl Hub/<i>Stroke</i>: 2,0 mm Gewicht/<i>Weight</i>: 0,6 g</p> 	<p>Art. No.: F0.021.007.Vbl (60° Sh) Art. No.: F0.021.007.Vr (50° Sh) Hub/<i>Stroke</i>: 3,0 mm Gewicht/<i>Weight</i>: 2,0 g</p> 
<p>Art. No.: F0.022.011.NRbl Hub/<i>Stroke</i>: 1,5 mm Gewicht/<i>Weight</i>: 0,6 g</p> 	<p>Art. No.: F0.022.012.Vbl Hub/<i>Stroke</i>: 3,0 mm Gewicht/<i>Weight</i>: 1,2 g</p> 	<p>Art. No.: 012 22 06.NRsw + Str Hub/<i>Stroke</i>: 1,0 mm Gewicht/<i>Weight</i>: 0,4 g</p> 
<p>Art. No.: F0.023.003.Vbl Hub/<i>Stroke</i>: 4,0 mm Gewicht/<i>Weight</i>: 1,6 g</p> 	<p>Art. No.: F0.023.004.Vtr Hub/<i>Stroke</i>: 3,0 mm Gewicht/<i>Weight</i>: 2,0 g</p> 	<p>Art. No.: F0.025.004.NRg (dunkelgrün/ <i>dark green</i>) + NR sw Art. No.: F0.025.002.NRg (hellgrün/ <i>light green</i>) Hub/<i>Stroke</i>: 4,0 mm Gewicht/<i>Weight</i>: 2,2 g</p> 
<p>Art. No.: F0.025.006.VUb Hub/<i>Stroke</i>: 4,0 mm Gewicht/<i>Weight</i>: 1,5 g</p>  <p>dünne Lippe <i>thin lip</i> 0,6 mm</p>	<p>Art. No.: F0.025.017.VUb Art. No.: F0.025.018.Vge (*14 mm) Hub/<i>Stroke</i>: 4,0 mm Gewicht/<i>Weight</i>: 1,6 g</p>  <p>dicke Lippe <i>thick lip</i> 0,9 mm</p>	<p>Art. No.: F0.025.014.NRb Hub/<i>Stroke</i>: 3,5 mm Gewicht/<i>Weight</i>: 1,2 g</p> 

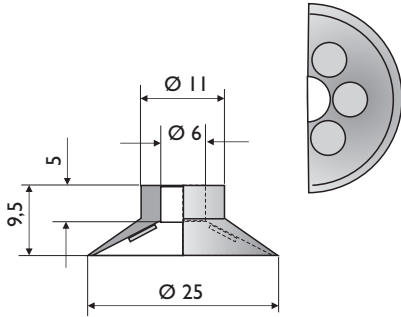
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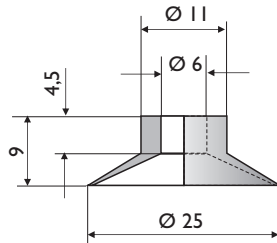
Flachsauger Druckindustrie

Flat Suction Cup for the Printing Industry

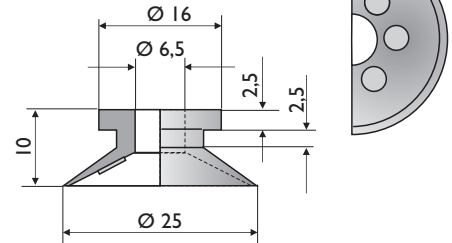
Art. No.: F0.025.018.NRbg
 Hub/*Stroke*: 1,5 mm
 Gewicht/*Weight*: 1,2 g



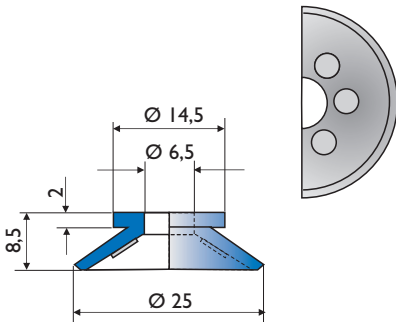
Art. No.: F0.025.019.NRbg
 Hub/*Stroke*: 2,5 mm
 Gewicht/*Weight*: 1,2 g



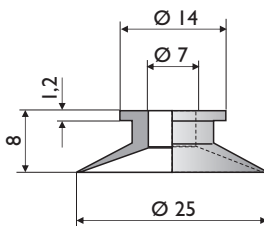
Art. No.: F0.025.020.NRbg + PUsw
 Hub/*Stroke*: 2,5 mm
 Gewicht/*Weight*: 1,2 g



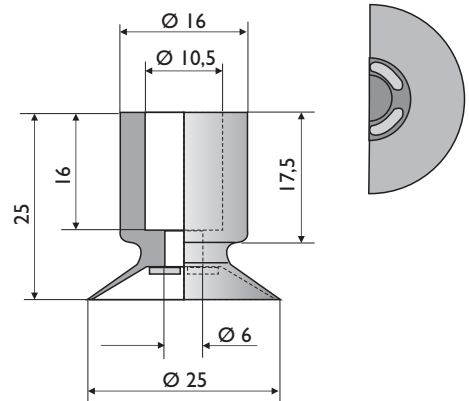
Art. No.: F0.025.021.Vbl
 Hub/*Stroke*: 2,5 mm
 Gewicht/*Weight*: 1,5 g



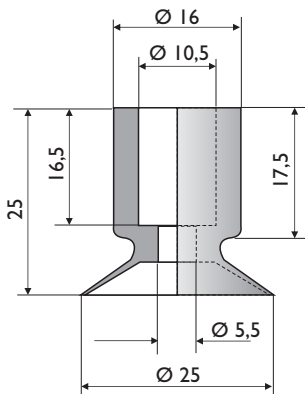
Art. No.: F0.025.022.NRbg
 Hub/*Stroke*: 1,5 mm
 Gewicht/*Weight*: 1,2 g



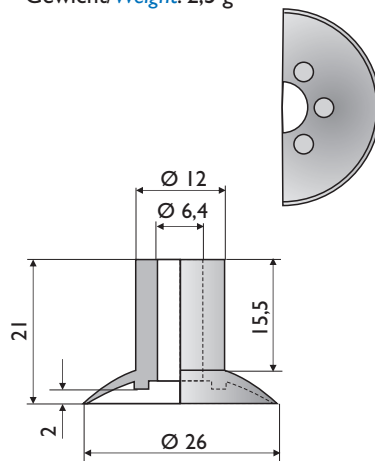
Art. No.: F0.025.023.NRbg
 Hub/*Stroke*: 2,0 mm
 Gewicht/*Weight*: 3,2 g



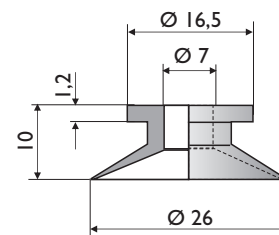
Art. No.: F0.025.012.NRbg
 Hub/*Stroke*: 4,0 mm
 Gewicht/*Weight*: 3,0 g



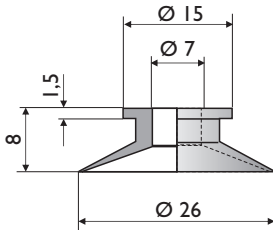
Art. No.: F0.026.004.NRb
 Hub/*Stroke*: 2,0 mm
 Gewicht/*Weight*: 2,5 g



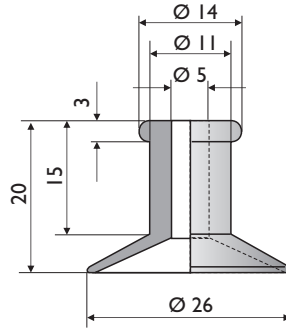
Art. No.: F0.026.006.NRbg
 Hub/*Stroke*: 4,0 mm
 Gewicht/*Weight*: 1,2 g



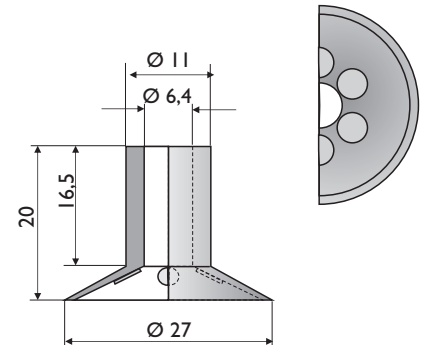
Art. No.: F0.026.007.NRbg
 Hub/Stroke: 3,0 mm
 Gewicht/Weight: 1,2 g



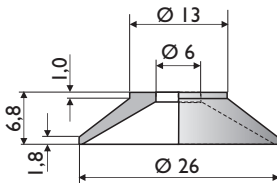
Art. No.: F0.026.008.NRbg
 Hub/Stroke: 4,0 mm
 Gewicht/Weight: 2,0 g



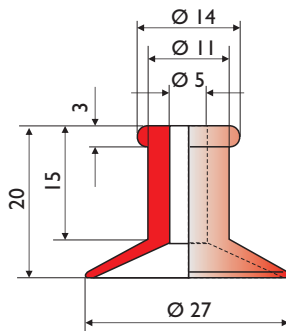
Art. No.: F0.027.003.NRbg
 Hub/Stroke: 2,0 mm
 Gewicht/Weight: 1,6 g



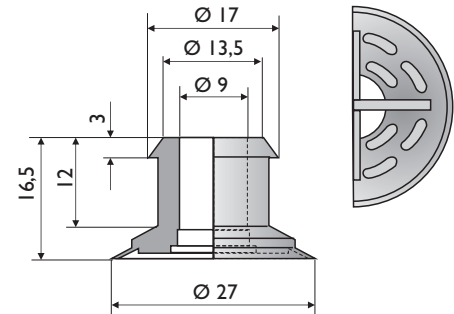
Art. No.: F0.027.004.NRgr
 Hub/Stroke: 3,0 mm
 Gewicht/Weight: 1,1 g



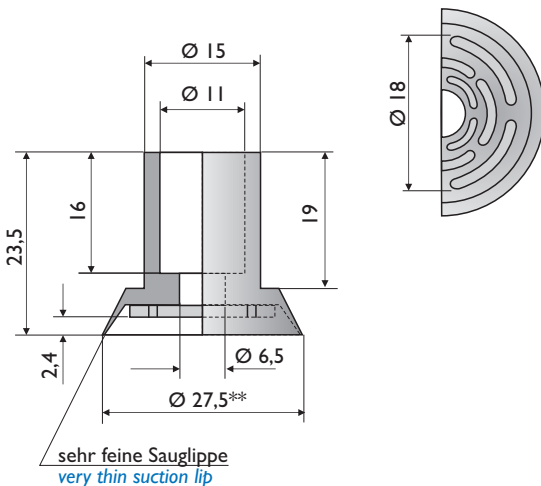
Art. No.: F0.027.005.Sr
 Hub/Stroke: 4,0 mm
 Gewicht/Weight: 2,0 g



Art. No.: F0.027.006.Str
 Hub/Stroke: 0,5 mm
 Gewicht/Weight: 2,0 g

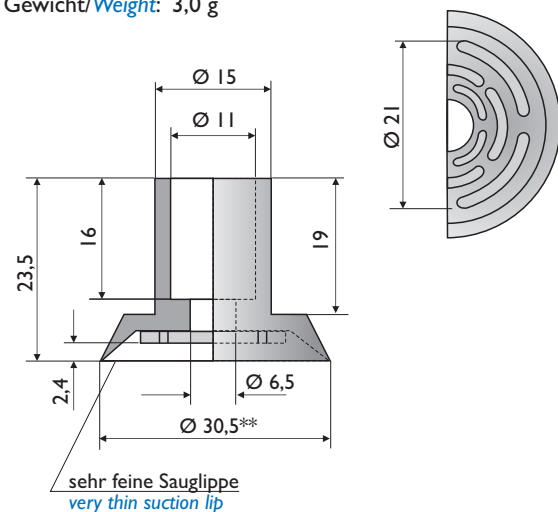


Art. No.: 01 27 24.NRsw +
 NBRsw + Str
 Hub/Stroke: 2,4 mm
 Gewicht/Weight: 2,8 g



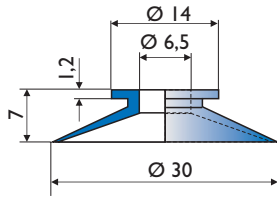
* angesaugt/aspirated 29,5 mm

Art. No.: 01 30 24.NRsw + NRb (40° Sh)
 NBRsw + Str + Sw
 Hub/Stroke: 2,4 mm
 Gewicht/Weight: 3,0 g

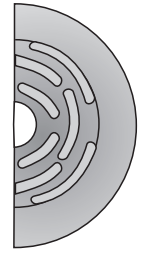
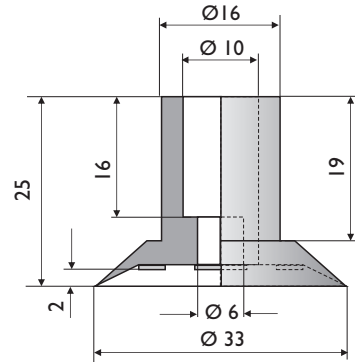


* angesaugt/aspirated 31,5 mm

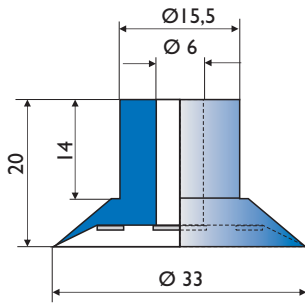
Art. No.: F0.030.014.Vbl
 Hub/*Stroke*: 3,0 mm
 Gewicht/*Weight*: 1,2 g



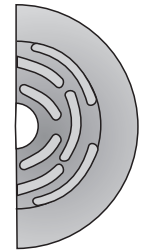
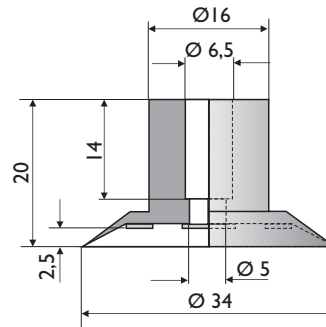
Art. No.: F0.033.001.NRb + CRr
 Hub/*Stroke*: 2,0 mm
 Gewicht/*Weight*: 4,4 g



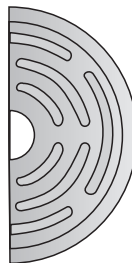
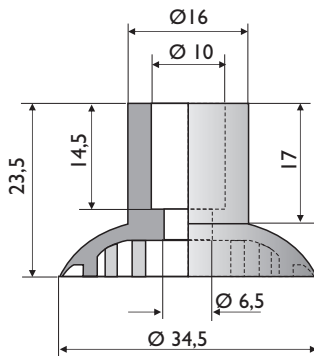
Art. No.: F0.033.002.Vbl
 Hub/*Stroke*: 1,5 mm
 Gewicht/*Weight*: 4,4 g



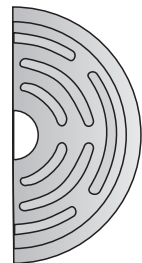
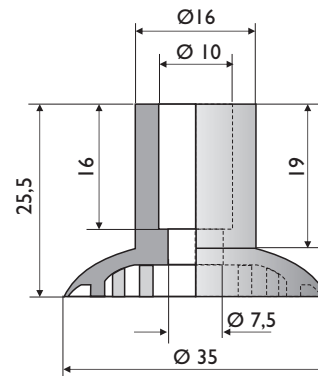
Art. No.: F0.034.002.NRb
 Hub/*Stroke*: 2,5 mm
 Gewicht/*Weight*: 4,8 g



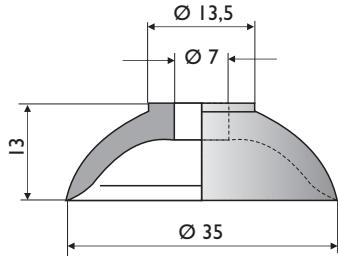
Art. No.: F0.034.003.NRb + NRsw
 Hub/*Stroke*: 0 mm
 Gewicht/*Weight*: 5,0 g



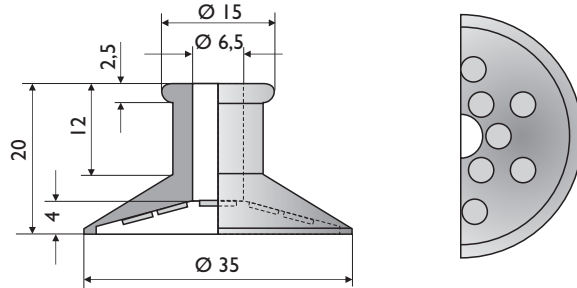
Art. No.: F0.035.006.NRge + PUB
 Hub/*Stroke*: 0 mm
 Gewicht/*Weight*: 6,0 g



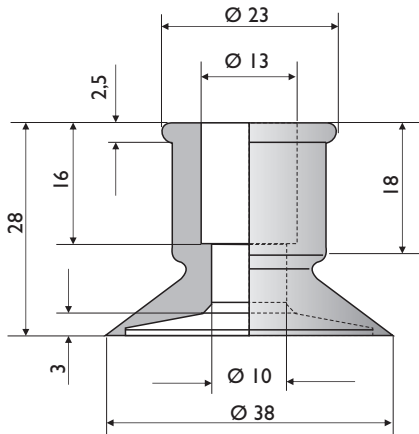
Art. No.: F0.035.004.NRsw + NRb
 Hub/Stroke: 5,0 mm
 Gewicht/Weight: 3,2 g



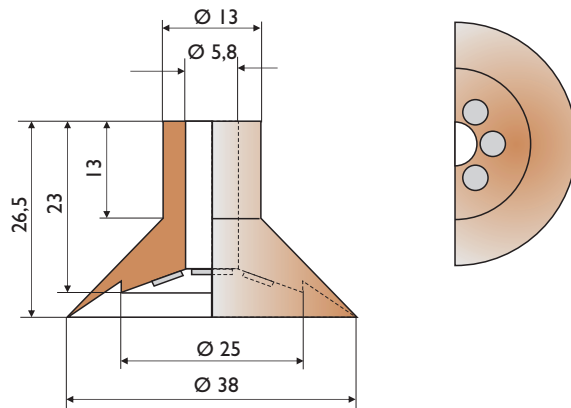
Art. No.: F0.035.005.NRbg
 Hub/Stroke: 2,0 mm
 Gewicht/Weight: 3,6 g



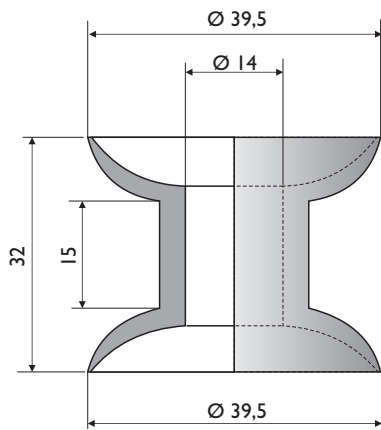
Art. No.: F0.038.004.NRbg
 Hub/Stroke: 3,0 mm
 Gewicht/Weight: 8,0 g



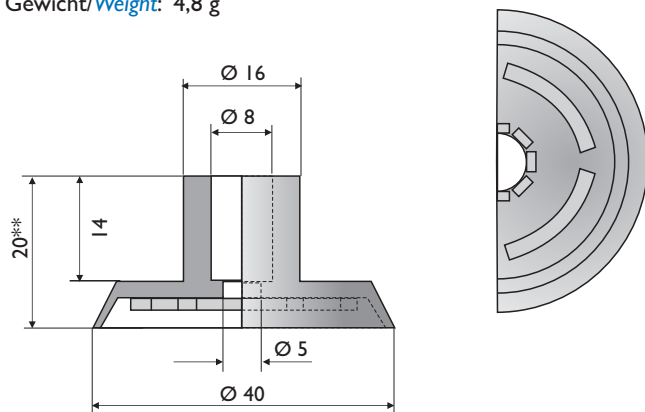
Art. No.: F0.038.005.PUb
 Hub/Stroke: 3,5 mm
 Gewicht/Weight: 5,8 g



Art. No.: F0.040.005.NRb
 Hub/Stroke: 2 x 2,5 mm
 Gewicht/Weight: 13,6 g



Art. No.: F0.040.003.NRsw + Nrb (40° Sh) + NBRsw + Str
 Hub/Stroke: 2,0 mm
 Gewicht/Weight: 4,8 g

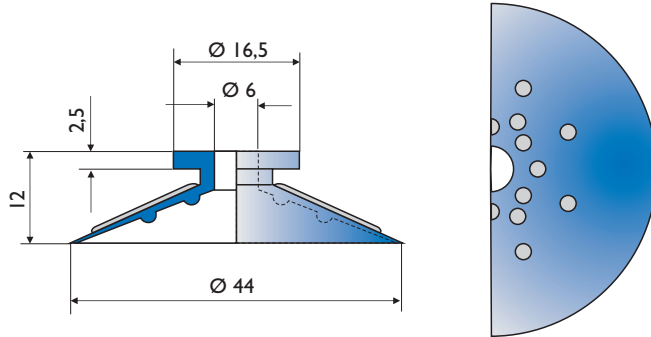


** auf Wunsch: Höhe 12 mm
 ** on request: Height 12 mm

Art. No.: F0.044.003.Vbl

Hub/Stroke: 3,0 mm

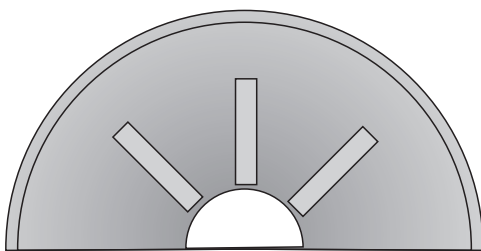
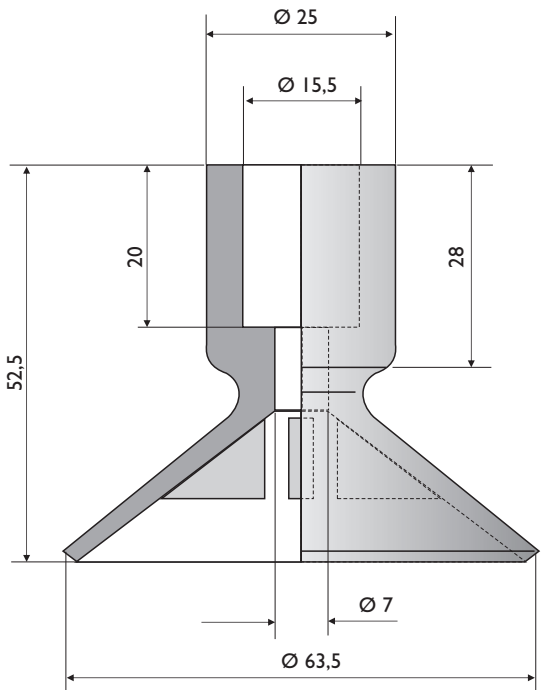
Gewicht/Weight: 4,8 g



Art. No.: F0.064.002.NRbg + CRr

Hub/Stroke: 4,5 mm

Gewicht/Weight: 24 g



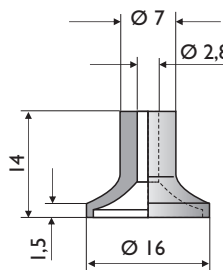
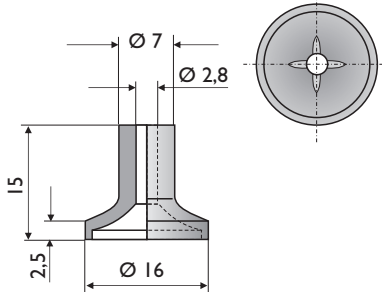
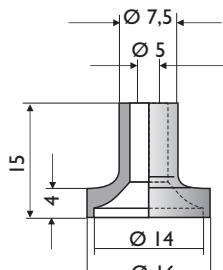
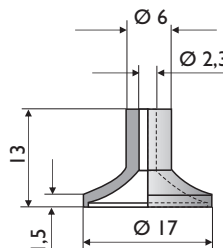
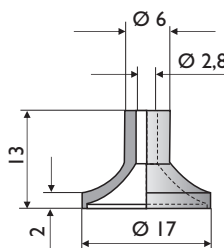
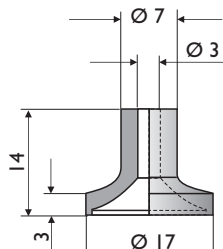
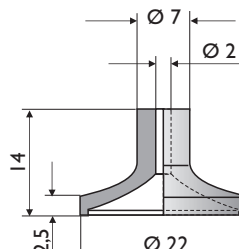
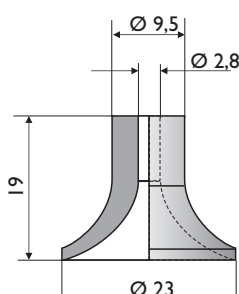
Materialien der Vakuumsauger

Materials of the vacuum suction cups

- Crr = Chloropren rot/*red* ~60° Shore
- NBRsw = NBR schwarz/*black* ~ 50° Shore
- NRsw = Naturgummi schwarz/*Natural rubber black* ~ 50° Shore
- NRb = Naturgummi braun/*Natural rubber brown* ~ 40° Shore
- NRbg = Naturgummi beige/*Natural rubber beige* ~ 40° Shore
- NRge = Naturgummi gelb/*Natural rubber yellow* ~ 40° Shore
- NRg = Naturgummi grün/*Natural rubber green* ~ 40° Shore
- NRog = Naturgummi olivgrün/*Natural rubber olive-green* ~ 40° Shore
- NRr = Naturgummi rot/*Natural rubber red* ~ 40° Shore
- NRw = Naturgummi weiß/*Natural rubber white* ~40° Shore
- NBRsw = NBR schwarz/*NBRblack* ~50° Shore
- Str = Silikon, transparent ~ 50° Shore
- Pub = Polyurethan braun/*brown* ~ 60° Shore
- Publ = Polyurethan blau/*blue* ~ 60° Shore
- Pusw = Polyurethan schwarz/*black* ~ 60° Shore
- VUb = Vullkolan braun/*brown* ~70° Shore
- Vbl = Vinyl blau/*blue* ~ 50° Shore
- Vtr = Vinyl transparent ~ 50° Shore
- Vge = Vinyl gelb/*yellow*
- Vgr = Vinyl grün/*green*
- Vr = Vinyl rot/*red*

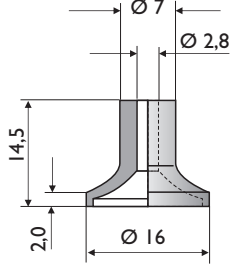
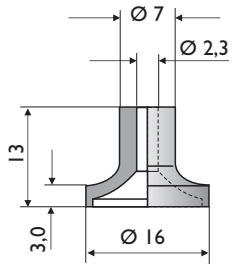
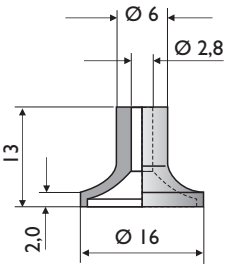
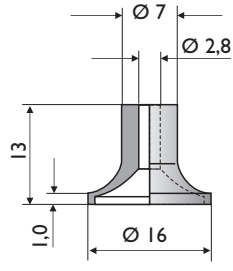
Vakuumsauger für die Druckindustrie „Serie A“

Vacuum Suction Cup for the Printing Industry „Serie A“

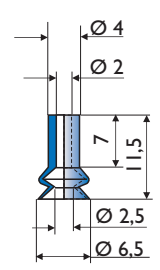
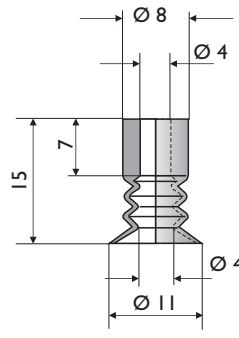
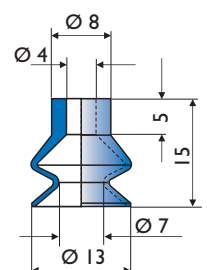
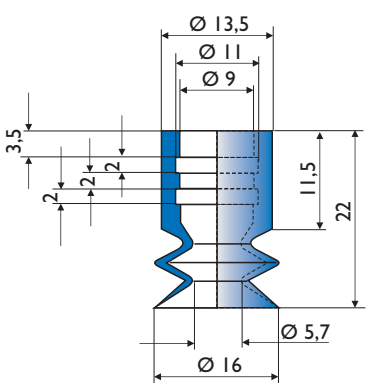
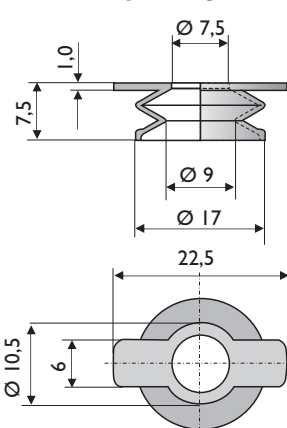
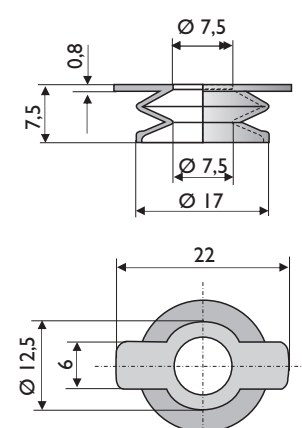
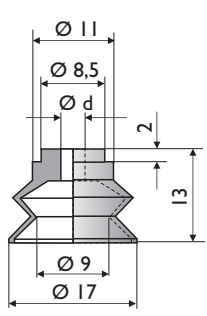
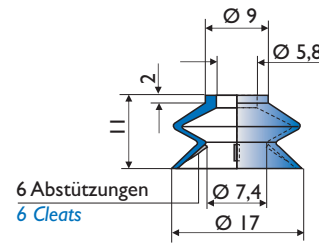
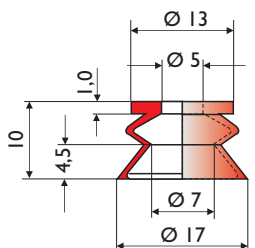
<p>Art. No.: DRA.016.001.NR.bg Hub/<i>Stroke</i>: 0 mm Gewicht/<i>Weight</i>: 0,7 g</p> 	<p>Art. No.: DRA.016.002.NR.b Hub/<i>Stroke</i>: 0 mm Gewicht/<i>Weight</i>: 0,7 g</p> 	<p>Art. No.: DRA.016.003.NR.bg Hub/<i>Stroke</i>: 0 mm Gewicht/<i>Weight</i>: 0,9 g</p> 
<p>Art. No.: DRA.017.001.NRbg DRA.017.006.NRb Hub/<i>Stroke</i>: 0 mm Gewicht/<i>Weight</i>: 0,7 g</p> 	<p>Art. No.: DRA.017.002.NR.bg 40° Shore beige DRA.017.003.NR.r 45° Shore rot/red DRA.017.004.NR.bl 50° Shore blau/blue Hub/<i>Stroke</i>: 0 mm Gewicht/<i>Weight</i>: 0,8 g</p> 	
<p>Art. No.: DRA.017.005.NRog, olivgrün/<i>olive green</i> Hub/<i>Stroke</i>: 0 mm Gewicht/<i>Weight</i>: 0,8 g</p> 	<p>Art. No.: DRA.022.001.NRb, braun/<i>brown</i> Hub/<i>Stroke</i>: 0 mm Gewicht/<i>Weight</i>: 1,2 g</p> 	<p>Art. No.: DRA.023.001.NRb, braun/<i>brown</i> Hub/<i>Stroke</i>: 0 mm Gewicht/<i>Weight</i>: 1,2 g</p> 

Vakuumsauger für die Druckindustrie „Serie A“

Vacuum Suction Cup for the Printing Industry „Serie A“

<p>Art. No.: DRA.016.007.NRbg Hub/<i>Stroke</i>: 0 mm Gewicht/<i>Weight</i>: 0,7 g</p> 	<p>Art. No.: DRA.016.008.NRbg Hub/<i>Stroke</i>: 0 mm Gewicht/<i>Weight</i>: 0,7 g</p> 	<p>Art. No.: DRA.016.009.NRb Hub/<i>Stroke</i>: 0 mm Gewicht/<i>Weight</i>: 0,7 g</p> 
<p>Art. No.: DRA.016.010.Str (Silikon transparent) Hub/<i>Stroke</i>: 0 mm Gewicht/<i>Weight</i>: 0,7 g</p> 		

Bellows Suction Cup for the Printing Industry

<p>Art. No.: B10.006.003.Vbl Hub/<i>Stroke</i>: 1,5 mm Gewicht/<i>Weight</i>: 0,2 g</p> 	<p>Art. No.: 01 11 50.NRsw + NBRsw + Str Hub/<i>Stroke</i>: 5,0 mm Gewicht/<i>Weight</i>: 1,0 g</p> 	<p>Art. No.: B10.013.003.Vbl Hub/<i>Stroke</i>: 5,0 mm Gewicht/<i>Weight</i>: 0,6 g</p> 
<p>Art. No.: B10.016.011.Vbl Hub/<i>Stroke</i>: 6,0 mm Gewicht/<i>Weight</i>: 2,0 g</p> 	<p>Art. No.: B10.017.002.NRsw Hub/<i>Stroke</i>: 5,0 mm Gewicht/<i>Weight</i>: 1,0 g</p> 	<p>Art. No.: B10.017.003.NRsw Hub/<i>Stroke</i>: 5,0 mm Gewicht/<i>Weight</i>: 1,0 g</p> 
<p>Art. No.: Ø d = 3 mm: B10.017.001.NRsw.D3 Ø d = 6 mm: B10.017.001.NRsw.D6 Hub/<i>Stroke</i>: 7,0 mm Gewicht/<i>Weight</i>: 1,3 g</p> 	<p>Art. No.: B10.017.004.Vbl Hub/<i>Stroke</i>: 4,5 mm Gewicht/<i>Weight</i>: 0,6 g</p> <p>6 Abstützungen 6 Cleats</p> 	<p>Art. No.: B10.017.005.NRr Hub/<i>Stroke</i>: 6,0 mm Gewicht/<i>Weight</i>: 1,2 g</p> 

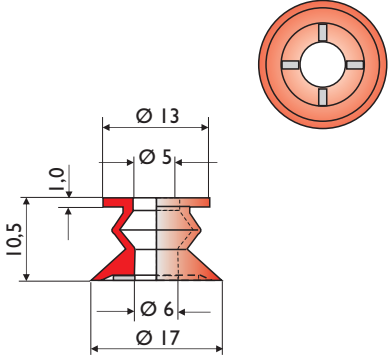
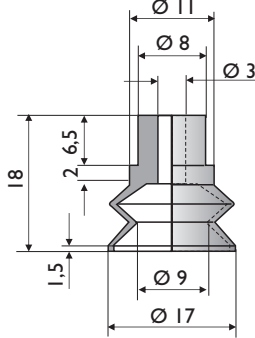
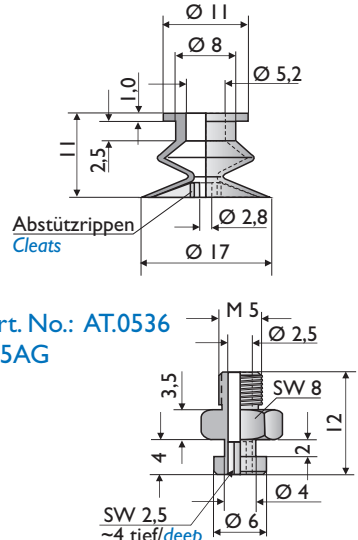
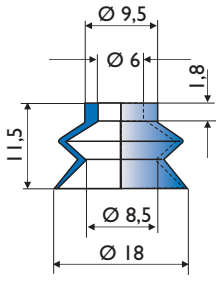
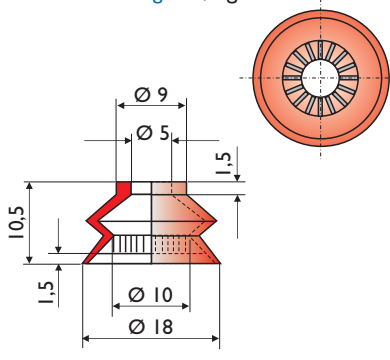
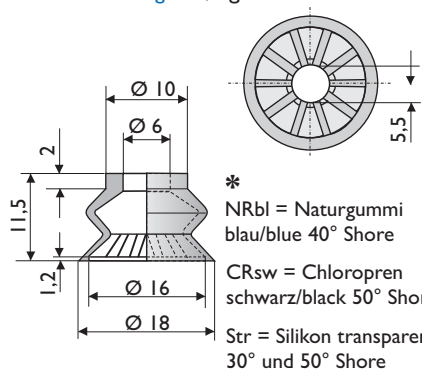
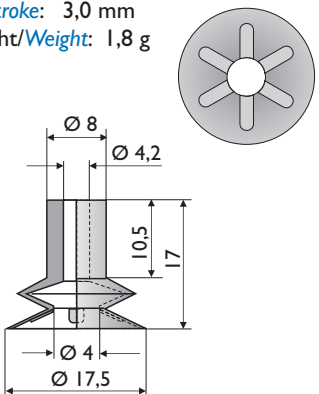
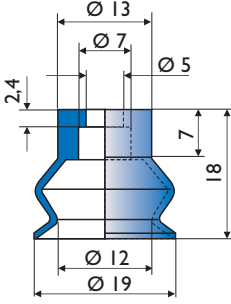
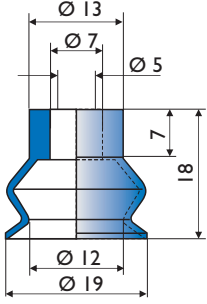
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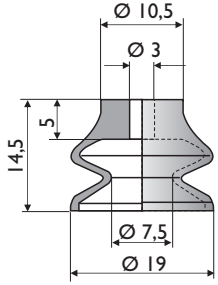
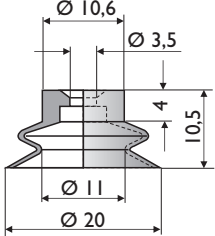
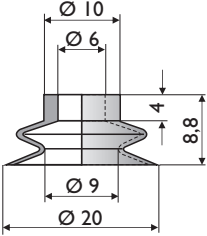
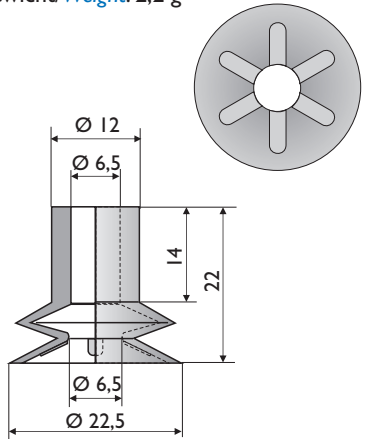
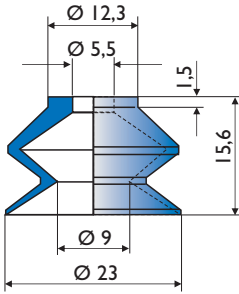
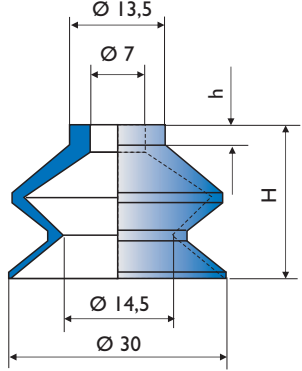
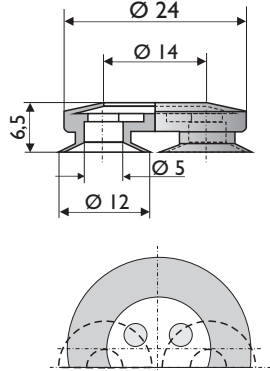
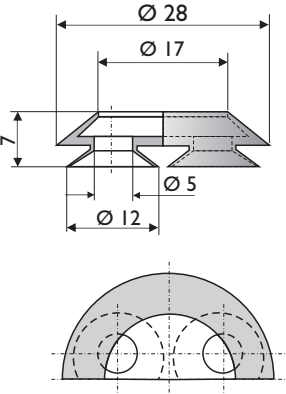
Balgensauger Druckindustrie

Materialangaben für Balgensauger finden Sie auf Seite 13 / Materials specifications for bellows suction cups you can find on page 13

Bellows Suction Cup for the Printing Industry

<p>Art. No.: B10.017.006.NRr + NRsw Hub/Stroke: 3,0 mm Gewicht/Weight: 1,0 g</p> 	<p>Art. No.: B10.017.007.NRsw Hub/Stroke: 7,0 mm Gewicht/Weight: 1,3 g</p> 	<p>Art. No.: B10.017.008.Vbl Hub/Stroke: 3,5 mm Gewicht/Weight: 0,6 g</p>  <p>Art. No.: AT.0536 M5AG</p>
<p>Art. No.: B10.018.004.NRsw + NRbl + Str Hub/Stroke: 7,0 mm Gewicht/Weight: 0,8 g</p> 	<p>Art. No.: B10.018.005.NRr Hub/Stroke: 5,5 mm Gewicht/Weight: 1,0 g</p> 	<p>Art. No.: B10.018.001.* Hub/Stroke: 6,0 mm Gewicht/Weight: 0,6 g</p>  <p>* NRbl = Naturgummi blau/blue 40° Shore CRsw = Chloropren schwarz/black 50° Shore Str = Silikon transparent, 30° und 50° Shore</p>
<p>Art. No.: B10.018.011.NRb Hub/Stroke: 3,0 mm Gewicht/Weight: 1,8 g</p> 	<p>Art. No.: B10.019.004.Vbl Hub/Stroke: 7,0 mm Gewicht/Weight: 2,0 g</p> 	<p>Art. No.: B10.019.005.Vbl Hub/Stroke: 7,0 mm Gewicht/Weight: 2,0 g</p> 

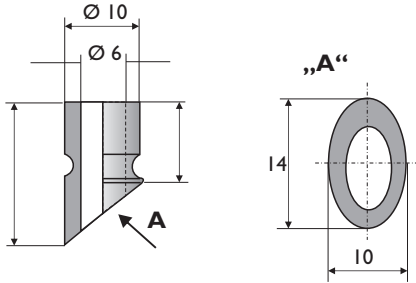
Bellows Suction Cup for the Printing Industry

<p>Art. No.: B10.019.006.NRbl 55° Shore + Nrb 40° Shore Hub/<i>Stroke</i>: 5,0 mm Gewicht/<i>Weight</i>: 2,0 g</p> 	<p>Art. No.: B10.020.015.NRb Hub/<i>Stroke</i>: 3,5 mm Gewicht/<i>Weight</i>: 0,5 g</p> 	<p>Art. No.: B10.020.016.Str Hub/<i>Stroke</i>: 2,0 mm Gewicht/<i>Weight</i>: 0,5 g</p> 
<p>Art. No.: B10.022.002.NRgr Hub/<i>Stroke</i>: 5,0 mm Gewicht/<i>Weight</i>: 2,2 g</p> 	<p>Art. No.: B10.023.001.Vbl Hub/<i>Stroke</i>: 7,0 mm Gewicht/<i>Weight</i>: 1,6 g</p> 	<p>Art. No.: B10.030.003.VH21 (H=21; h=3) Art. No.: B10.030.003.VH23 (H=23; h=5) Material: Vinyl blau/<i>blue</i> Hub/<i>Stroke</i>: 10,5 mm Gewicht/<i>Weight</i>: 4,7 g</p> 
<p>Art. No.: B10.024.001.NRb B10.024.003.Str Hub/<i>Stroke</i>: 2,0 mm Gewicht/<i>Weight</i>: 1,0 g</p> 	<p>Art. No.: B10.028.002.NRsw + Sr Hub/<i>Stroke</i>: 2,0 mm Gewicht/<i>Weight</i>: 1,2 g</p> 	<p>Materialien der abgebildeten Balgensauger <i>Materials of shown the bellows suction cups</i></p> <ul style="list-style-type: none"> NRsw = Naturgummi schwarz/<i>Natural rubber black</i> NRb = Naturgummi braun/<i>Natural rubber brown</i> NRbl = Naturgummi blau/<i>Natural rubber blue</i> NRgr = Naturgummi grün/<i>Natural rubber green</i> NRr = Naturgummi rot/<i>Natural rubber red</i> Str = Silikon, transparent Vbl = Vinyl blau/<i>blue</i> Vtr = Vinyl transparent

Spezial-Ovalsauger für die Druckindustrie
Special Oval Suction Cup for the Printing Industry

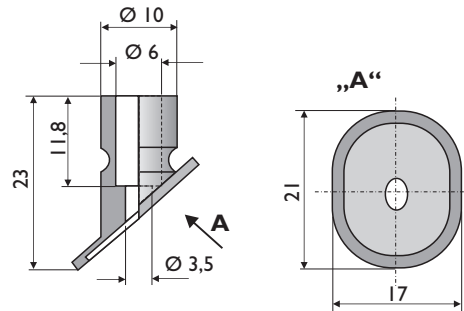
Art. No.: OV.014x010.001.NRsw = schwarz/black

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



Art. No.: OV.021x017.001.NRsw = schwarz/black

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

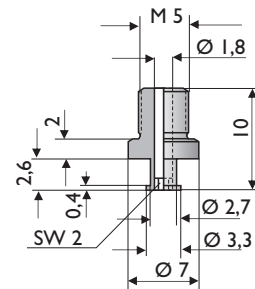
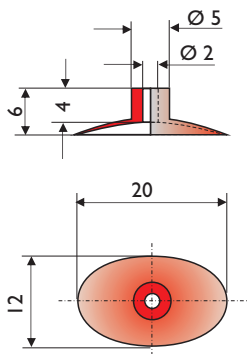


Art. No.: OV.020x012.001.*

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

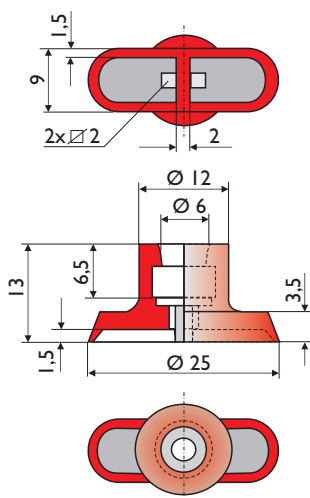
* Material:
 NR, rot/red., 40° Shore
 NR, schwarz/black, 40° Shore

Anschlussstück/Fitting
 Art. No.: AT.0283 AG M5



Art. No.: OV.025x009.001.NRr = rot/red

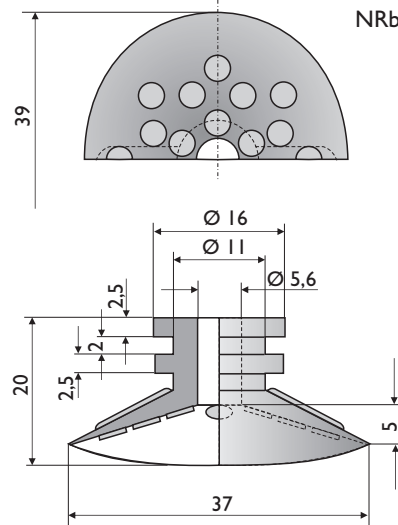
Hub/Stroke: 0 mm
 Gewicht/Weight: 1,1 g

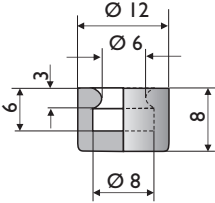
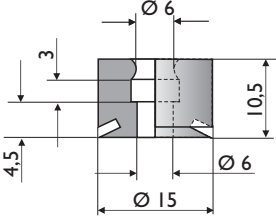
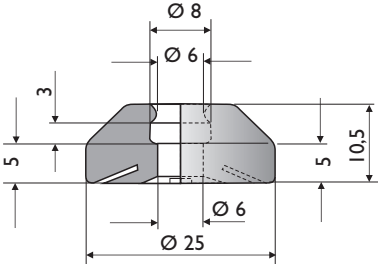
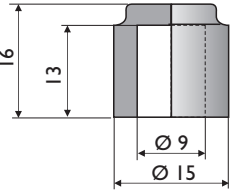
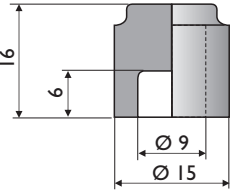
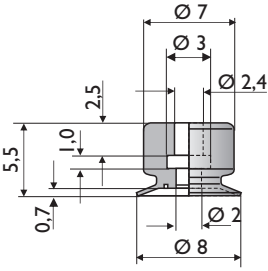
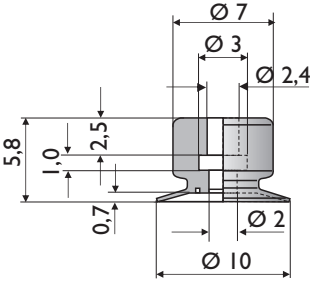
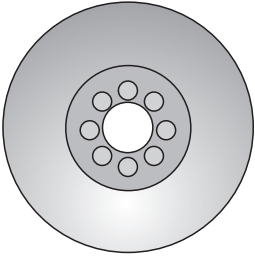
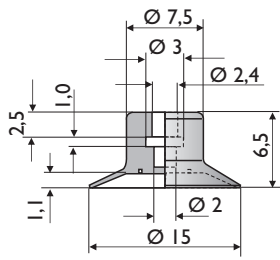
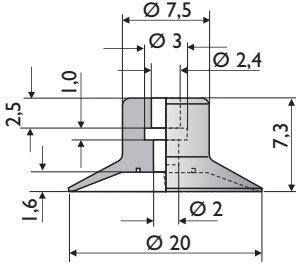


Art. No.: OV.039x037.001.NR*

Hub/Stroke: 8,00 mm
 Gewicht/Weight: 35 g

*Nrsw = schwarz/black
 NRbg = beige/beige
 NRr = rot/red
 NRbl = blau/blue



<p>Kappe/Cap Art. No.: VSK.12.6.NRb, braun/brown, 40° Shore Gewicht/Weight: 0,2 g</p> 	<p>Saugscheibenhalter Suction Cup Holder Art. No.: DRH.15.6.NR braun/brown, 80° Shore Gewicht/Weight: 0, g</p> 	<p>Saugscheibenhalter Suction Cup Holder Art. No.: DRH.25.6.NR braun/brown, 80° Shore Gewicht/Weight: 0, g</p> 
<p>Puffer/Buffer Art. No.: DRH.15.16.13 NRsw, schwarz/black Gewicht/Weight: 0, g</p> 	<p>Puffer/Buffer Art. No.: DRH.15.16.06 NRsw, schwarz/black Gewicht/Weight: 0, g</p> 	
<p>Art. No.: F0.008.002.* Hub/Stroke: 0,5 mm Gewicht/Weight: 0,2 g</p>  <p>Art. No.: F0.010.013.* Hub/Stroke: 0,7 mm Gewicht/Weight: 0,3 g</p> 	<p>Spezialsauger für dünnes Papier und Folien Special Suction Cups for thin paper and thin foils</p>  <p>Vorteil: sehr dünne Sauglippe Advantages: Ultrathin suction lip</p> <p>Material: NBR schwarz/black, 60° Shore</p> <p>Anschlussteil/Fitting: Art.No.: AT.0283 AG M5</p>	<p>Art. No.: F0.015.001.* Hub/Stroke: 1,1 mm Gewicht/Weight: 0,4 g</p>  <p>Art. No.: F0.020.024.* Hub/Stroke: 1,6 mm Gewicht/Weight: 0,5 g</p> 

Komponenten für die Druckindustrie

Components for the Printing Industry

3/2-Elektro-Wegeventile bis 3"
 3/2-Way Solenoid Valves up to 3"



Vakuumpumpen bis 4" und Inline-Filter
 Vacuum filters up to 4" and Inline Filters



Vakuumpumpen, ölgeschmiert
 von 2 bis 300 m³/h
 Vacuum Pumps, oil lubricated
 from 2 to 300 m³/h



Kombinierte pneumatische Saug- und
 Gebläsepumpen
 Pneumatic Suction and Blowing Pumps,
 combined



Sauggebläsesystem für die Grafik-
 industrie
 Suction and Blowing System for
 the Printing Industry

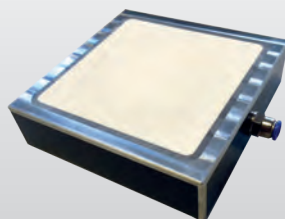
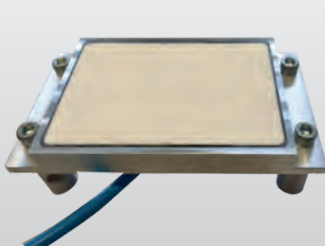


Vakuumphylzylinder
 Vacuum Lifting Cylinders



MF-Metapor

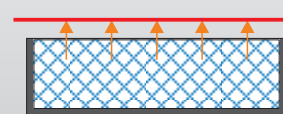
- mikroporöser Werkstoff | - microporous material
- aus Aluminium oder | - made of aluminum or
- Keramik | ceramics



- zum Fixieren
- für den Tampondruck
- to fix
- for the tampon print



- zum berührungslosen Gleiten
- to glide without contact



- zum Umlenken
- to redirect

