

# Vacuum cups by size | Flat vacuum cups at a glance

## Application / Uses



- > Thanks to their shape, flat vacuum cups offer a high degree of stability, as well as good positional accuracy in the placement of materials
- > They enable both the horizontal and vertical handling of flat workpieces
- > Supporting ribs in the vacuum cup ensure good absorption of transverse forces and prevent slipping, e.g. when heavy, oily metal sheets are tilted in the automotive sector
- > Low cup volume enables short cycle times

## Designs



- > FIPA flat vacuum cups are available with or without supporting ribs
- > Support ribs in the vacuum cup ensure significantly better suction by enlarging the active suction surface
- > They prevent the sucking in and deformation of flexible workpieces
- > Support ribs are especially recommended for:
  - flexible products
  - rapid acceleration of the machine

## Methods of connection



### Vacuum cups for attaching to the fittings (plug-in)

- > Secure hold
- > Quick replacement
- > Cost-efficient and environmentally-friendly, as only the rubber part needs to be replaced



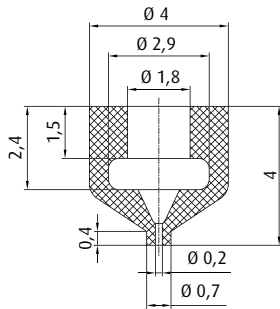
### Bolted fittings

- > Vacuum cups are bolted from below into a threaded counterpart using a hollow bolt
- > Extremely secure hold
- > Eliminates twisting of the vacuum cups
- > Cost-efficient and environmentally-friendly, as only the rubber part needs to be replaced



### Vulcanised fittings / retainer plate

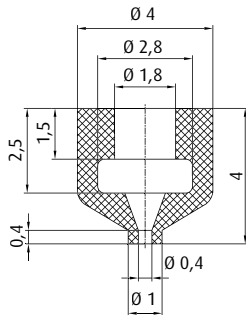
- > Very secure hold
- > Secured against rotation
- > High degree of dimensional stability



	Connection	see page
270.524	M3-male	408

<b>Item no.</b> 102.001.425.*	<b>Material</b> NBR (sw), SI-AS (sw)	0 mm
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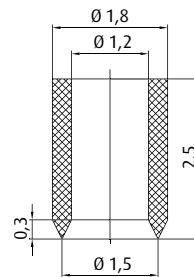
Additional sizes available are found on p. 38.



	Connection	see page
270.524	M3-male	408

<b>Item no.</b> 102.001.463.*	<b>Material</b> NBR (sw), SI-AS (sw)	0 mm
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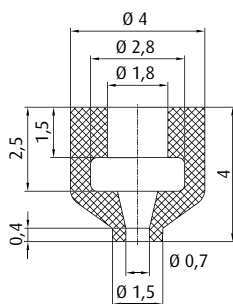
Additional sizes available are found on p. 38.



	Connection	see page
270.011	M3-male	408

<b>Item no.</b> 102.001.002.*	<b>Material</b> NBR (sw), SI (tr)	0.3 mm
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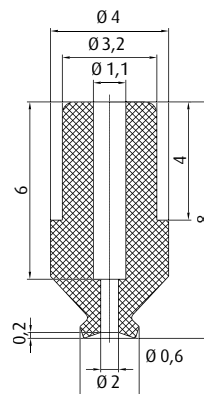
Additional sizes available are found on p. 32.  
**Ordering notes:** Packing unit = 10 pieces



	Connection	see page
270.524	M3-male	408

<b>Item no.</b> 102.002.464.*	<b>Material</b> NBR (sw), SI-AS (sw)	0 mm
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Additional sizes available are found on p. 38.



	Connection	see page
270.427	M3-male	408

<b>Item no.</b> 102.002.279.*	<b>Material</b> NBR (sw), SI (tr), SI-AS (sw), PU (bl), FKM (gr)	0.2 mm
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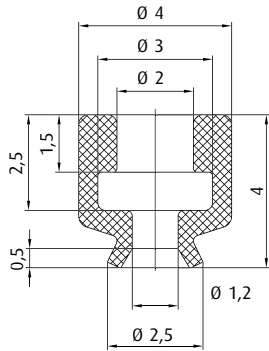
Additional sizes available are found on p. 38.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

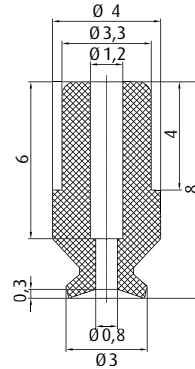
Ø 2 - 4 mm



	Connection	see page
270.014	M3-male	408
270.300	M5-male	411

<b>Item no.</b> 102.002.004._*	<b>Material</b> NBR (sw), NBR-AS (sw), SI (tr), SI-AS (sw), PU (bl)	0.4 mm
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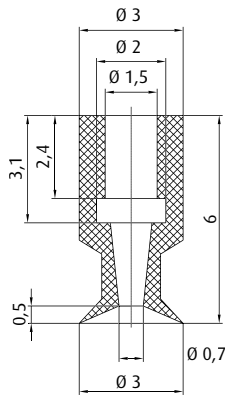
Additional sizes available are found on p. 32.  
**Ordering notes:** Packing unit = 10 pieces



	Connection	see page
270.427	M3-male	408

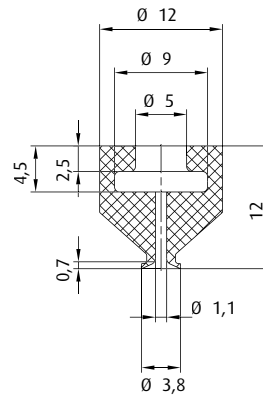
<b>Item no.</b> 102.003.280._*	<b>Material</b> NBR (sw), SI (tr), SI-AS (sw), PU (bl), FKM (gr)	0.3 mm
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Additional sizes available are found on p. 38.



	Connection	see page
270.025	M3-male	408

<b>Item no.</b> 102.003.480._*	<b>Material</b> NBR (sw)	0.3 mm
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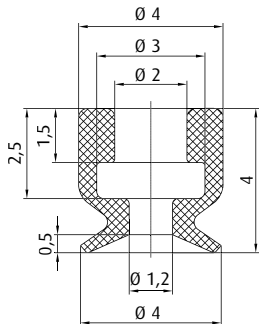
	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

		see page
50.018	8.5 mm	454
50.019	8.5 mm	454

<b>Item no.</b> 102.004.216._*	<b>Material</b> NBR (sw), SI (tr)	1 mm
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Additional sizes available are found on p. 50.

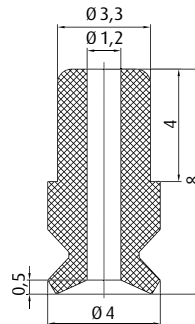


	Connection	see page
270.014	M3-male	408
270.300	M5-male	411

**BESTSELLER**

<b>Item no.</b> 102.003.005._*	<b>Material</b> NBR (sw), NBR-AS (sw), SI (tr), SI-AS (sw), PU (bl), FKM (sw)	0.5 mm
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Additional sizes available are found on p. 32.  
**Ordering notes:** Packing unit = 10 pieces

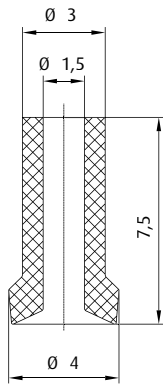


	Connection	see page
270.427	M3-male	408

<b>Item no.</b> 102.004.281._*	<b>Material</b> NBR (sw), SI (tr), SI-AS (sw), PU (bl), FKM (gr)	0.3 mm
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Additional sizes available are found on p. 38.

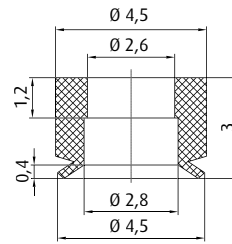
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



Icon	Connection	see page
	M3-male	408

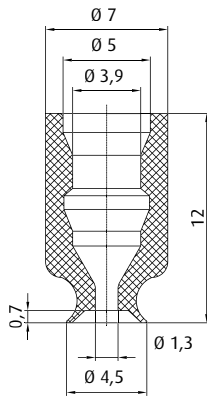
**Item no.** 112.004.001.\* **Material** NBR (sw), SI (r) 0.5 mm

Additional sizes available are found on p. 52.



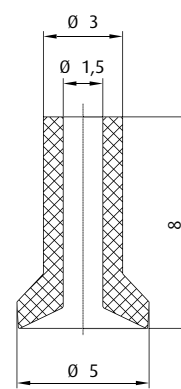
Icon	Connection	see page
	M3-male	408
	M4-male	408

**Item no.** 102.005.115.\* **Material** NBR (sw), SI (tr) 0.5 mm



Icon	Connection	see page
	M5-male	410

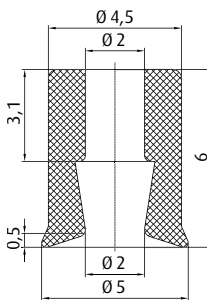
**Item no.** 102.005.391.\* **Material** SI (tr) 0.5 mm



Icon	Connection	see page
	M3-male	408

**Item no.** 112.005.002.\* **Material** NBR (sw), SI (r) 0.7 mm

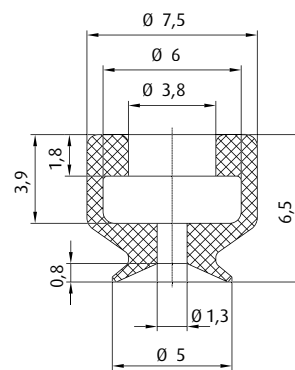
Additional sizes available are found on p. 52.



Icon	Connection	see page
	M5-male	409

**Item no.** 102.005.090.\* **Material** SI (tr), CR (sw) 0.5 mm

Additional sizes available are found on p. 42.



Icon	Connection	see page
	M5-male	411
	M5-female	412
	G1/8-male	417
	G1/8-female	422
	10 mm	454

**Item no.** 102.005.009.\* **Material** NBR (sw), SI (tr), SI-AS (sw), FKM (sw) 0.9 mm

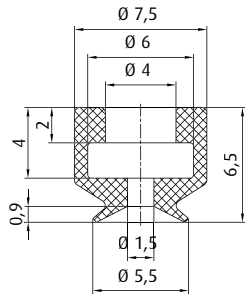
Additional sizes available are found on p. 32.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 5 - 6 mm



Icon	Connection	see page
	M5-male	411
	M5-female	412
	G1/8-male	417
	G1/8-female	422

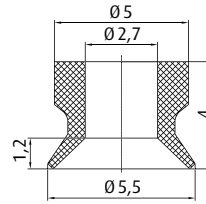
Icon	Icon	see page
	10 mm	454

**Item no.**  
**102.005.496.\_\***

**Material**  
Thermalon® (bl)

0.9 mm

Additional sizes available are found on p. 36.



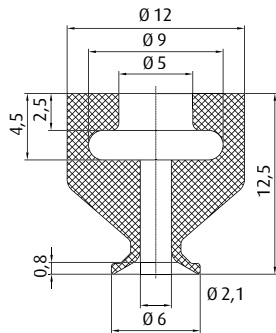
Icon	Connection	see page
	M3-male	408

**Item no.**  
**102.005.081.\_\***

**Material**  
NBR (sw), SI (tr), SI-AS (sw)

0.9 mm

Additional sizes available are found on p. 36.



Icon	Connection	see page
	M5-male	411
	G1/8-male	418
	G1/8-female	422

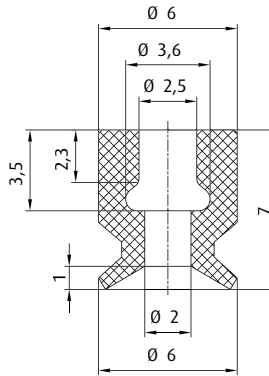
Icon	Icon	see page
	8.5 mm	454
	8.5 mm	454

**Item no.**  
**102.006.217.\_\***

**Material**  
NBR (sw), SI (tr)

1 mm

Additional sizes available are found on p. 50.



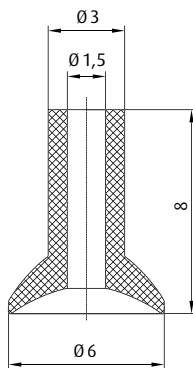
Icon	Connection	see page
	M5-male	409

**Item no.**  
**102.006.282.\_\***

**Material**  
NBR (sw), SI (tr), SI-AS (sw),  
PU (bl), FKM (gr)

0.5 mm

Additional sizes available are found on p. 38.



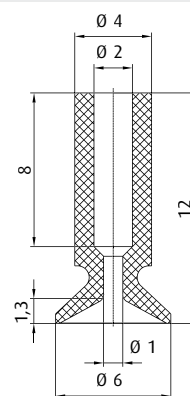
Icon	Connection	see page
	M3-male	408

**Item no.**  
**112.006.003.\_\***

**Material**  
NBR (sw), SI (r)

1 mm

Additional sizes available are found on p. 52.



Icon	Connection	see page
	M5-male	409

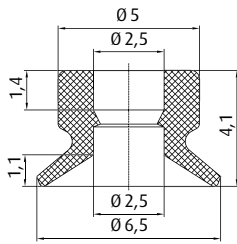
**Item no.**  
**122.006.002.\_\***

**Material**  
NBR (sw), SI (tr), Vulkollan® (br)

1.5 mm

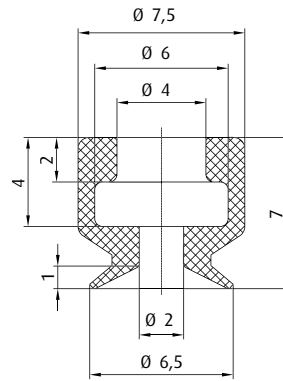
Additional sizes available are found on p. 56.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



Icon	Connection	see page
	M4-male	408
	M5-male	411

**Item no.** 102.006.297.\* **Material** NBR (sw) 0.8 mm



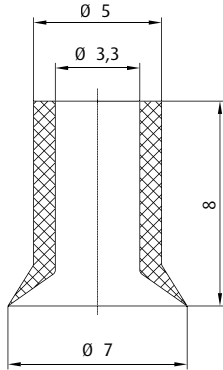
Icon	Connection	see page
	M5-male	411
	M5-female	412
	G1/8-male	417
	G1/8-female	422

Icon	Icon	see page
	10 mm	454

**BESTSELLER**

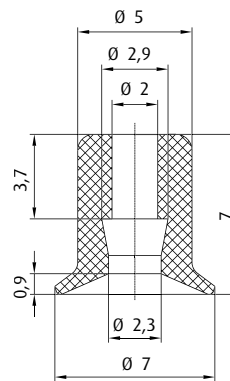
**Item no.** 102.006.013.\* **Material** NBR (sw), SI (tr), SI-AS (sw), PU (bl), FKM (sw) 1 mm

Additional sizes available are found on p. 32.



Icon	Connection	see page
	M5-male	409

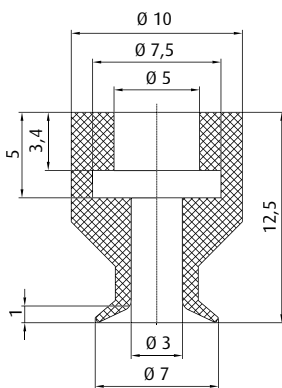
**Item no.** 112.006.004.\* **Material** NBR (sw), SI (tr) 1 mm



Icon	Connection	see page
	M5-male	409

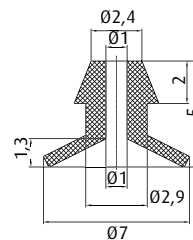
**Item no.** 102.007.091.\* **Material** SI (tr), CR (sw) 1 mm

Additional sizes available are found on p. 42.



Icon	Connection	see page
	M5-male	411
	G1/8-male	418
	G1/8-female	422

**Item no.** 102.007.109.\* **Material** SI (r), SI-AS (sw) 1.6 mm



Icon	Connection	see page
	M3-male	408

**Item no.** 102.007.266.\* **Material** SI (tr) 1.5 mm

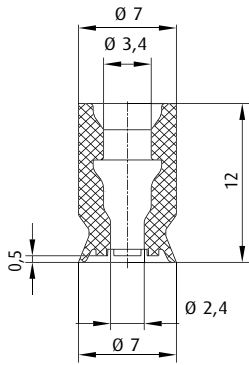
Additional sizes available are found on p. 22.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 7 - 8 mm

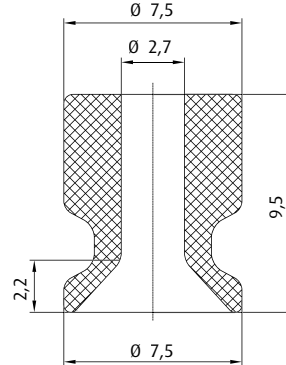


Icon	Connection	see page
	M5-male	410

**Item no.**  
102.007.484.\_\*

**Material**  
SI (tr)

0.8 mm

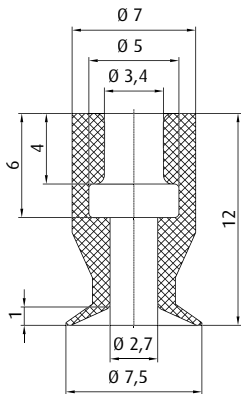


Icon	Connection	see page
	M5-male	409

**Item no.**  
102.008.187.\_\*

**Material**  
NR (sw)

1.5 mm

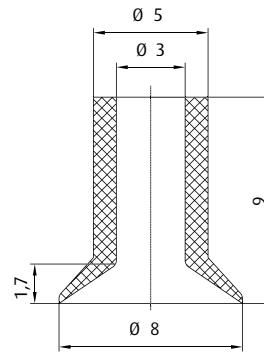


Icon	Connection	see page
	M5-male	411
	M5-female	412
	G1/8-male	417
	G1/8-female	422

**Item no.**  
102.008.392.\_\*

**Material**  
SI (tr)

0.5 mm

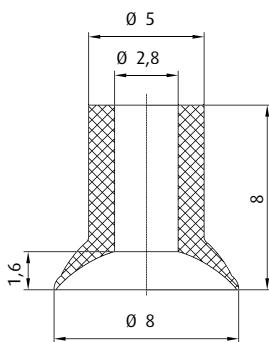


Icon	Connection	see page
	M5-male	409

**Item no.**  
102.008.395.\_\*

**Material**  
NBR (sw)

0.9 mm



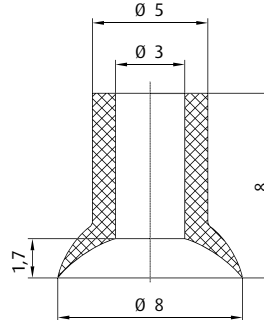
Icon	Connection	see page
	M5-male	409

**Item no.**  
112.008.007.\_\*

**Material**  
NBR (sw), SI (w), NR (sw)

1.5 mm

Additional sizes available are found on p. 52.



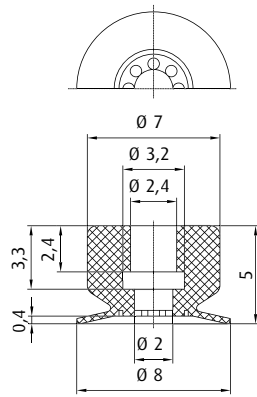
Icon	Connection	see page
	M5-male	409

**Item no.**  
112.008.009.\_\*

**Material**  
SI (tr), NR (sw), NR (br)

1 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

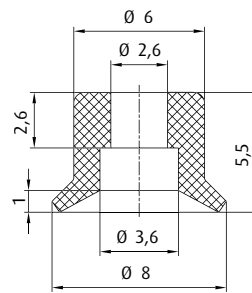


Item no.	Connection	see page
270.283	M5-male	409

**VERY FLEXIBLE**

<b>Item no.</b> 104.008.070.*	<b>Material</b> NBR (sw), SI-FS (r)	0.5 mm
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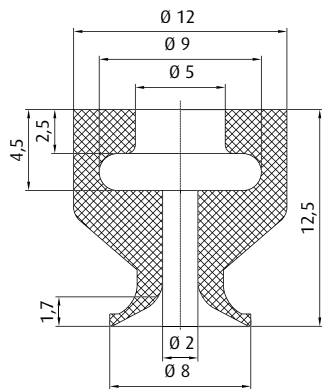
Additional sizes available are found on p. 20.  
This vacuum cup is also available in the following dimensions: 10 mm, 15 mm, 20 mm



Item no.	Connection	see page
270.283	M5-male	409

<b>Item no.</b> 102.008.283.*	<b>Material</b> NBR (sw), SI (tr), SI-AS (sw), PU (bl), FKM (gr)	1 mm
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Additional sizes available are found on p. 38.



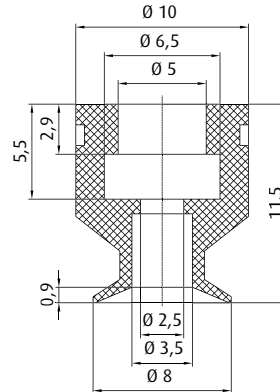
Item no.	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

Item no.	Thickness	see page
50.018	8.5 mm	454
50.019	8.5 mm	454

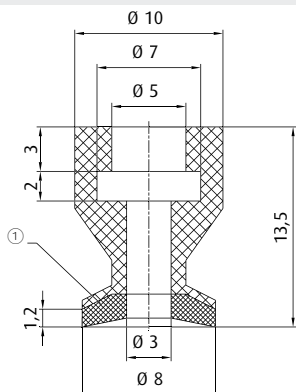
<b>Item no.</b> 102.008.218.*	<b>Material</b> NBR (sw), SI (tr)	1 mm
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Additional sizes available are found on p. 50.



Item no.	Connection	see page
270.010	M5-male	411
270.005	M5-female	412
270.009	G1/8-male	417
270.007	G1/8-female	422

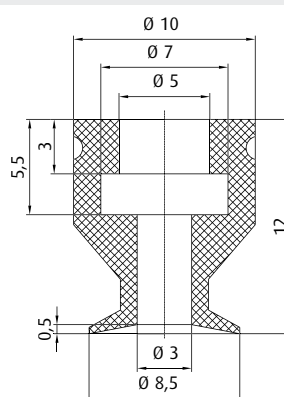
<b>Item no.</b> 102.008.227.*	<b>Material</b> SI (tr)	0.5 mm
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① = Silicone sponge

<b>Item no.</b> 104.008.082.*	<b>Material</b> SI (bl/r)	0.5 mm
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Additional sizes available are found on p. 166.



Item no.	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

Item no.	Thickness	see page
50.018	8.5 mm	454
50.141	10 mm	456

<b>Item no.</b> 102.008.362.*	<b>Material</b> SI (bl)	0.6 mm
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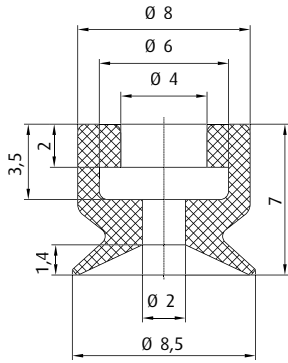
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760





# Vacuum cups by size | Flat vacuum cups by Ø

Ø 8 - 9 mm



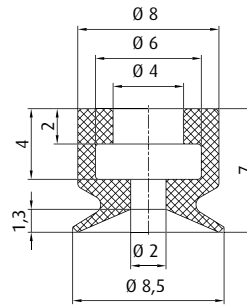
Icon	Connection	see page
	M5-male	411
	M5-female	412
	G1/8-male	417
	G1/8-female	422

Icon	Icon	see page
	10 mm	454

**BESTSELLER**

<b>Item no.</b> 102.008.017.*	<b>Material</b> NBR (sw), SI (tr), SI-AS (sw), PU (bl), FKM (sw)	1.4 mm
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Additional sizes available are found on p. 32.

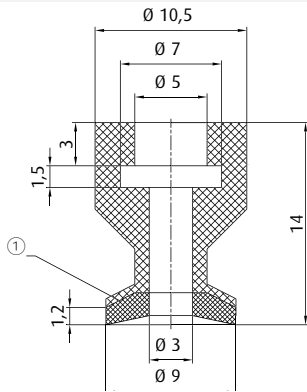


Icon	Connection	see page
	M5-male	411
	M5-female	412
	G1/8-male	417
	G1/8-female	422

Icon	Icon	see page
	10 mm	454

<b>Item no.</b> 102.008.497.*	<b>Material</b> Thermalon® (bl)	1.3 mm
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Additional sizes available are found on p. 36.



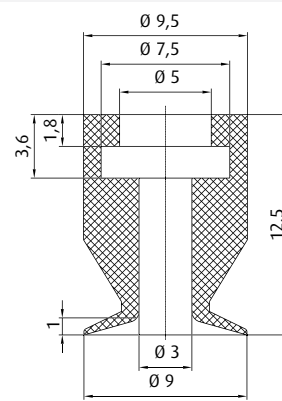
Icon	Connection	see page
	M5-male	411
	G1/8-male	418
	G1/8-female	422

Icon	Icon	see page
	10 mm	456
	8.5 mm	454

① = Silicone sponge

<b>Item no.</b> 104.009.083.*	<b>Material</b> SI (bl/r)	0.5 mm
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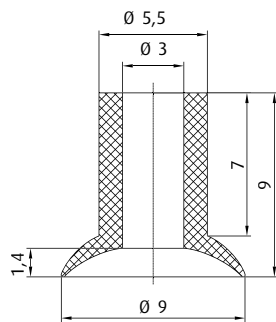
Additional sizes available are found on p. 166.



Icon	Connection	see page
	M5-male	411
	G1/8-male	418
	G1/8-female	422

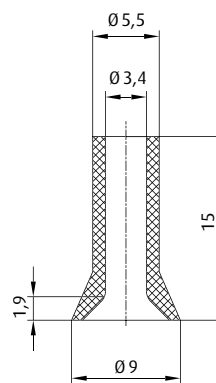
Icon	Icon	see page
	8.5 mm	454
	10 mm	456

<b>Item no.</b> 102.009.111.*	<b>Material</b> SI (tr)	1 mm
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Icon	Connection	see page
	M5-male	409

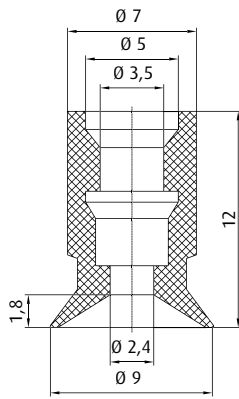
<b>Item no.</b> 102.009.174.*	<b>Material</b> Vinyl (bl)	1 mm
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Icon	Connection	see page
	M5-male	409
	M6-male	413
	G1/8-male	416
	G1/8-female	421

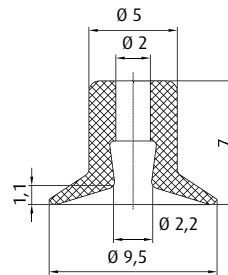
<b>Item no.</b> 107.009.001.*	<b>Material</b> SI (tr), NR (br)	1.5 mm
----------------------------------	-------------------------------------	--------

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



Item no.	Connection	see page
270.399	M5-male	410

<b>Item no.</b> 102.008.228.*	<b>Material</b> SI (tr)	0.8 mm
----------------------------------	----------------------------	--------

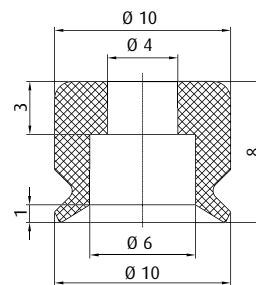


Item no.	Connection	see page
270.153	M5-male	409

**BESTSELLER**

<b>Item no.</b> 102.009.092.*	<b>Material</b> SI (tr), CR (sw)	1.5 mm
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Additional sizes available are found on p. 42.

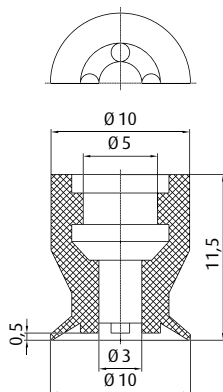


Item no.	Connection	see page
270.010	M5-male	411
270.009	G1/8-male	417
270.007	G1/8-female	422

Item no.	Thickness	see page
50.103	6 mm	454
50.104	6 mm	454
50.125	10 mm	454
50.126	15 mm	454
50.127	20 mm	454

<b>Item no.</b> 102.010.284.*	<b>Material</b> NBR (sw), SI (tr), SI-AS (sw), PU (bl), FKM (gr)	1 mm
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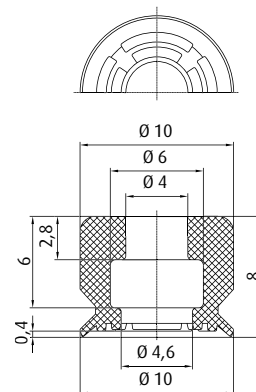
Additional sizes available are found on p. 38.



Item no.	Connection	see page
270.094	M5-male	411
270.095	G1/8-male	418
270.096	G1/8-female	422

<b>Item no.</b> 104.010.001.*	<b>Material</b> NBR (sw), SI (bl)	1.5 mm
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This vacuum cup is also available in the following dimensions: 15 mm, 18 mm, 24 mm, 30 mm, 40 mm, 50 mm



Item no.	Connection	see page
270.010	M5-male	411
270.009	G1/8-male	417
270.007	G1/8-female	422

Item no.	Thickness	see page
50.103	6 mm	454
50.104	6 mm	454
50.125	10 mm	454
50.126	15 mm	454
50.127	20 mm	454

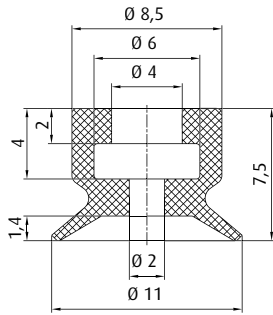
<b>Item no.</b> 104.010.065.*	<b>Material</b> NBR (sw)	0.5 mm
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

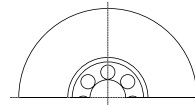
Ø 10 mm



Icon	Connection	see page
	M5-male	411
	M5-female	412
	G1/8-male	417
	G1/8-female	422
	10 mm	454

**Item no.** 102.010.498.\* **Material** Thermalon® (bl) 1.5 mm

Additional sizes available are found on p. 36.

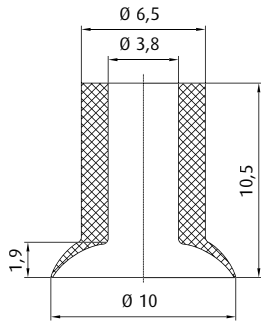


Icon	Connection	see page
	M5-male	409

**Item no.** 104.010.071.\* **Material** NBR (sw), SI-FS (r) 0.7 mm

Additional sizes available are found on p. 20.  
This vacuum cup is also available in the following dimensions: 8 mm, 15 mm, 20 mm

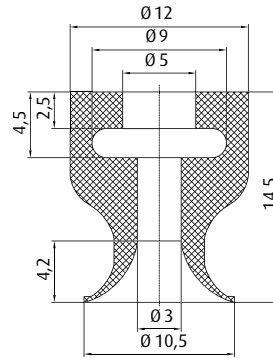
**VERY FLEXIBLE**



Icon	Connection	see page
	M5-male	409
	M5-female	412
	M6-male	413
	G1/8-male	416
	G1/8-female	421
	25 mm	456

**Item no.** 112.010.011.\* **Material** NBR (sw), SI (w) 2 mm

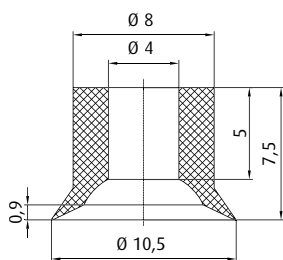
Additional sizes available are found on p. 52.



Icon	Connection	see page
	M5-male	411
	G1/8-male	418
	G1/8-female	422
	8.5 mm	454
	8.5 mm	454

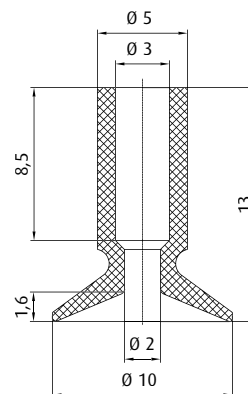
**Item no.** 102.010.219.\* **Material** NBR (sw), SI (tr) 1 mm

Additional sizes available are found on p. 50.



Icon	Connection	see page
	M5-male	411
	M5-female	412
	G1/8-male	417
	G1/8-female	422

**Item no.** 112.010.027.\* **Material** NBR (sw), SI (bl) 1.5 mm

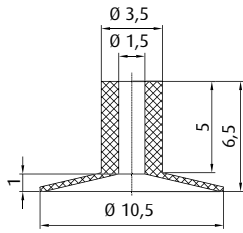


Icon	Connection	see page
	M5-male	409

**Item no.** 122.010.005.\* **Material** NBR (sw), SI (tr), Vulkollan® (br) 1.5 mm

Additional sizes available are found on p. 56.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

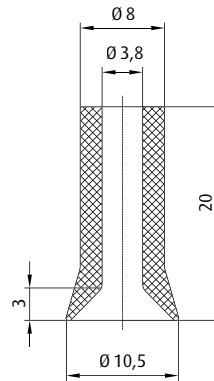


Icon	Connection	see page
	M3-male	408
	M5-male	409

**Item no.**  
102.011.172.\*

**Material**  
Vinyl (bl)

0.5 mm

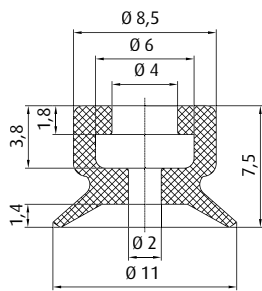


Icon	Connection	see page
	M5-male	409
	M5-female	412
	M6-male	413
	G1/8-male	416
	G1/8-female	421

**Item no.**  
102.011.173.\*

**Material**  
Vinyl (bl)

1.5 mm



Icon	Connection	see page
	M5-male	411
	M5-female	412
	G1/8-male	417
	G1/8-female	422

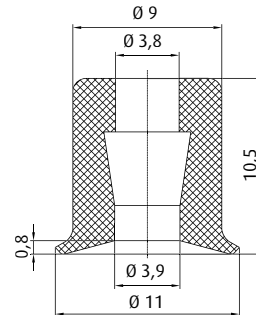
Icon	see page
	454

**Item no.**  
102.010.024.\*

**Material**  
NBR (sw), NBR-AS (sw), SI (tr),  
SI-AS (sw), PU (bl)

1.2 mm

Additional sizes available are found on p. 32.



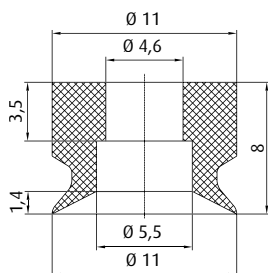
Icon	Connection	see page
	M5-male	409
	M6-male	413

**Item no.**  
102.011.093.\*

**Material**  
SI (tr), CR (sw)

1 mm

Additional sizes available are found on p. 42.

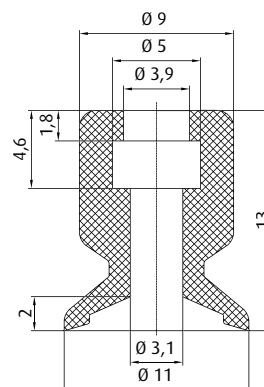


Icon	Connection	see page
	M5-male	411
	M5-female	412
	G1/8-male	417
	G1/8-female	422

**Item no.**  
102.011.181.\*

**Material**  
NBR (sw), SI (tr)

1 mm



Icon	Connection	see page
	M5-male	409
	M5-female	412
	M6-male	413
	G1/8-male	416
	G1/8-female	421

**Item no.**  
102.011.171.\*

**Material**  
Vinyl (bl)

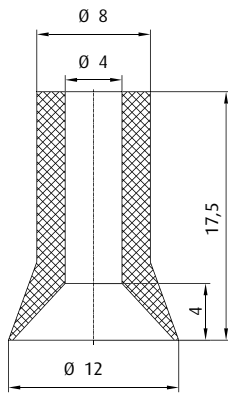
0.5 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



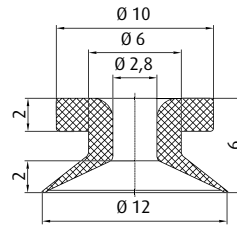
# Vacuum cups by size | Flat vacuum cups by Ø

Ø 12 - 13 mm



	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

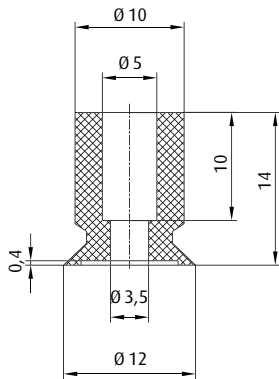
**Item no.** 102.012.101.\* **Material** NR (br) 2.5 mm



	Connection	see page
270.283	M5-male	409

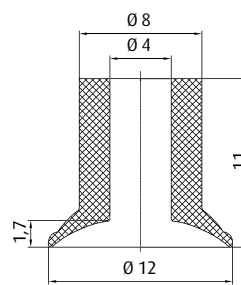
**Item no.** 102.012.267.\* **Material** NR (bg) 2.5 mm

Additional sizes available are found on p. 22.



	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

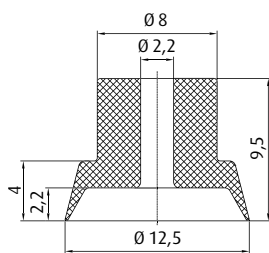
**Item no.** 107.012.002.\* **Material** NBR (sw), SI (tr), NR (bg) 0.4 mm



	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

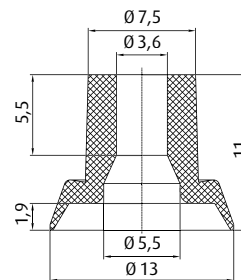
**Item no.** 112.012.015.\* **Material** NBR (sw), SI (w), NR (sw) 2 mm

Additional sizes available are found on p. 52.



	Connection	see page
270.153	M5-male	409

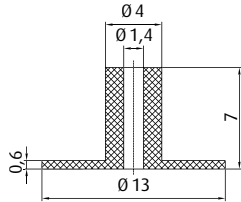
**Item no.** 102.013.070.\* **Material** NR (bg) 2 mm



	Connection	see page
270.010	M5-male	411
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.** 102.013.077.\* **Material** NR (bl) 2 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760

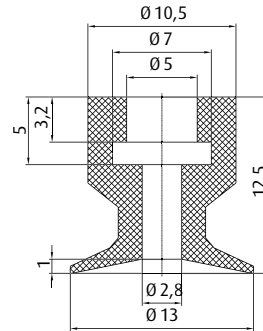


Icon	Connection	see page
	M3-male	408

**Item no.**  
102.013.012.\*

**Material**  
SI (tr)

0 mm



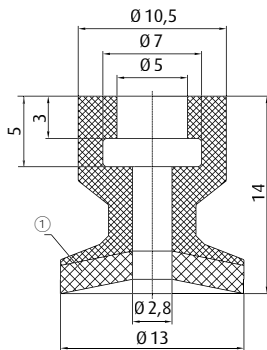
Icon	Connection	see page
	M5-male	411
	G1/8-male	418
	G1/8-female	422

Icon	Icon	see page
	8.5 mm	454
	10 mm	456

**Item no.**  
102.013.363.\*

**Material**  
SI (bl)

0.8 mm



Icon	Connection	see page
	M5-male	411
	M5-male	411
	G1/8-male	418
	G1/8-female	422

Icon	Icon	see page
	8.5 mm	454
	10 mm	456

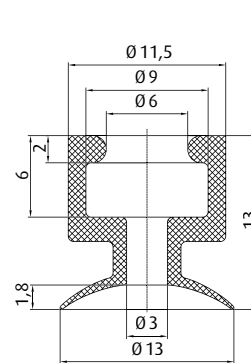
① = Silicone sponge

**Item no.**  
104.013.084.\*

**Material**  
SI (bl/r)

0.5 mm

Additional sizes available are found on p. 166.



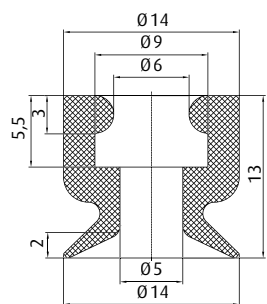
Icon	Connection	see page
	M5-male	411
	M6-male	413
	G1/8-male	418
	G1/8-female	422

**Item no.**  
102.012.332.\*

**Material**  
NR (or)

1.5 mm

Additional sizes available are found on p. 24.



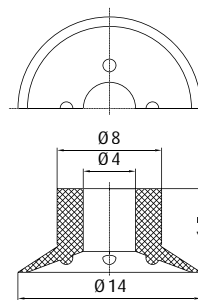
Icon	Connection	see page
	M5-male	411
	M6-male	413
	G1/8-male	418
	G1/8-female	422

**Item no.**  
102.014.333.\*

**Material**  
NR (or)

2 mm

Additional sizes available are found on p. 24.



Icon	Connection	see page
	M5-male	411
	G1/8-male	416
	G1/8-female	421

**Item no.**  
104.014.020.\*

**Material**  
NBR (sw)

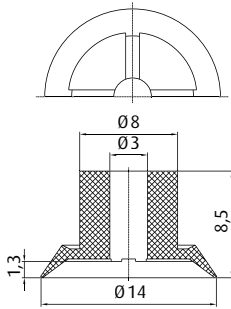
1.5 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 14 - 15 mm



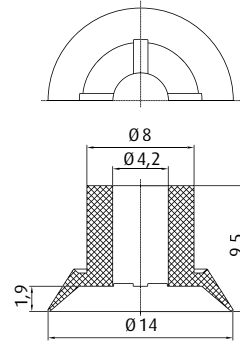
	Connection	see page
270.536	M5-male	409

**Item no.**  
102.014.089.\_\*

**Material**  
NBR (sw)

1.5 mm

Additional sizes available are found on p. 20.

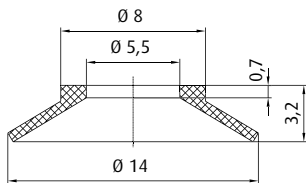


	Connection	see page
270.010	M5-male	411
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.**  
104.014.025.\_\*

**Material**  
SI (tr), NR (sw)

2 mm

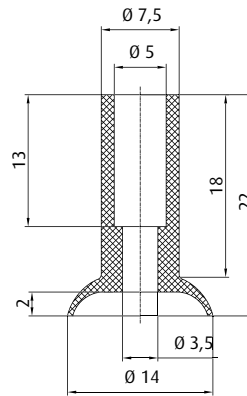


	Connection	see page
270.105	M6-male	414
270.040	M8-male	415
270.077	G1/8-male	419

**Item no.**  
107.014.005.\_\*

**Material**  
PU (tr)

1.5 mm

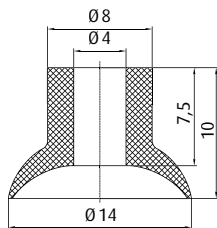


	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
115.015.002.\_\*

**Material**  
NR (bg)

3 mm

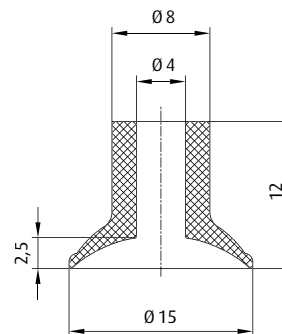


	Connection	see page
270.010	M5-male	411
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.**  
112.015.021.\_\*

**Material**  
NBR (sw), SI (tr)

2 mm



	Connection	see page
270.134	M5-male	409
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

		see page
50.037	25 mm	456

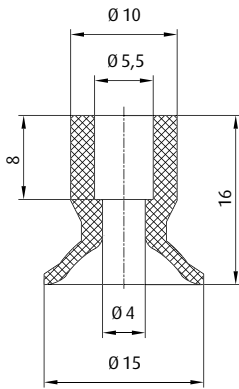
**Item no.**  
112.015.022.\_\*

**Material**  
NBR (sw), SI (w), NR (sw)

2 mm

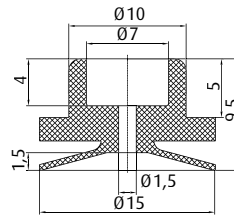
Additional sizes available are found on p. 52.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



Item no.	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no. 122.015.004.\*** Material CR (sw) 2 mm

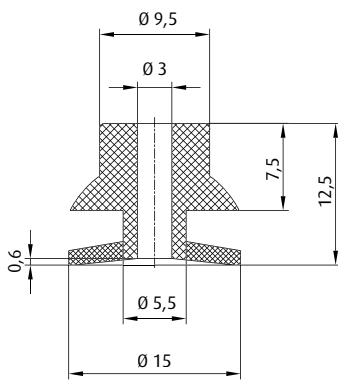


Item no.	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

Item no.	Connection	see page
50.018	8.5 mm	454
50.019	8.5 mm	454

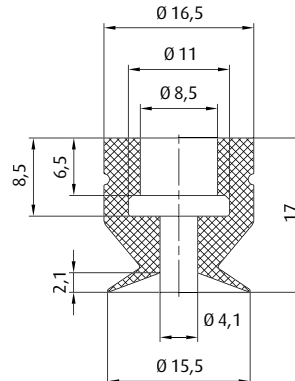
**Item no. 102.015.339.\*** Material Vinyl (bl) 1.5 mm

Additional sizes available are found on p. 22.



Item no.	Connection	see page
270.022	M5-male	409

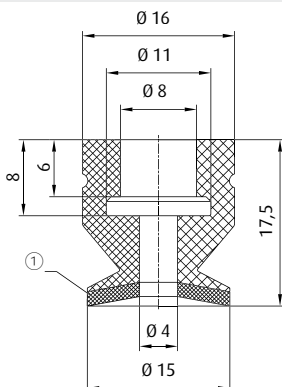
**Item no. 107.015.062.\*** Material NR (sw) 1.5 mm



Item no.	Connection	see page
270.012	G1/8-male	421
270.020	G1/8-female	423
270.034	G1/4-male	428
270.038	G1/4-female	432

Item no.	Connection	see page
50.005	5 mm	456
50.145	10 mm	456
50.146	30 mm	456

**Item no. 102.015.414.\*** Material SI (bl) 2 mm



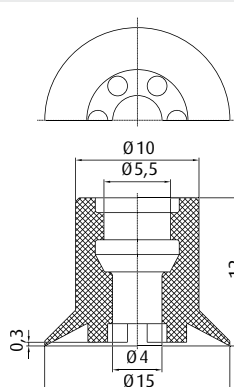
Item no.	Connection	see page
270.012	G1/8-male	421
270.020	G1/8-female	423
270.034	G1/4-male	428
270.038	G1/4-female	432

Item no.	Connection	see page
50.005	5 mm	456
50.145	10 mm	456
50.146	30 mm	456

① = Silicone sponge

**Item no. 104.015.085.\*** Material SI (bl/r) 1 mm

Additional sizes available are found on p. 166.



Item no.	Connection	see page
270.094	M5-male	411
270.095	G1/8-male	418
270.096	G1/8-female	422

**Item no. 104.015.002.\*** Material NBR (sw), SI (bl) 1 mm

This vacuum cup is also available in the following dimensions: 10 mm, 18 mm, 24 mm, 30 mm, 40 mm, 50 mm

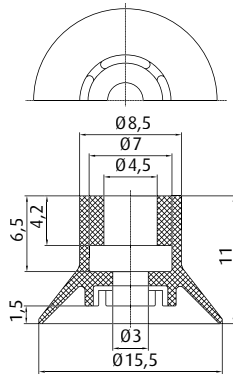
\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760





# Vacuum cups by size | Flat vacuum cups by Ø

Ø 15 mm

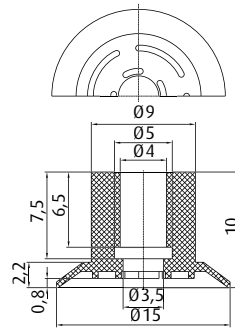


	Connection	see page
270.013	M5-male	410
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
102.015.367.\*

**Material**  
Vulkollan® (br)

2 mm



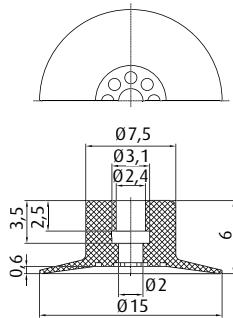
	Connection	see page
270.134	M5-male	409
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.**  
102.015.431.\*

**Material**  
SI (tr), NR (bg)

0.5 mm

Additional sizes available are found on p. 20.  
This vacuum cup is also available in the following dimensions: 24 mm, 28 mm, 30 mm, 40 mm



	Connection	see page
270.283	M5-male	409

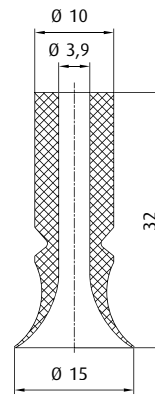
**VERY FLEXIBLE**

**Item no.**  
104.015.072.\*

**Material**  
NBR (sw), SI-FS (r)

1.1 mm

Additional sizes available are found on p. 20.  
This vacuum cup is also available in the following dimensions: 8 mm, 10 mm, 20 mm



	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

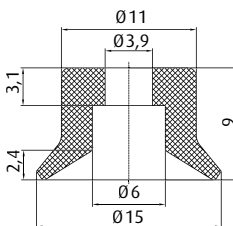
**FOR HIGHLY  
STRUCTURED  
SURFACES (3D)**

	Connection	see page
50.037	25 mm	456

**Item no.**  
126.015.002.\*

**Material**  
NR (sw), NR (bg)

6 mm



	Connection	see page
270.010	M5-male	411
270.009	G1/8-male	417
270.007	G1/8-female	422

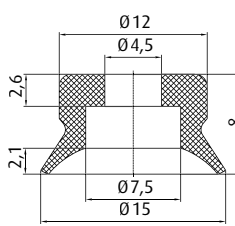
	Connection	see page
50.103	6 mm	454
50.104	6 mm	454
50.125	10 mm	454
50.126	15 mm	454
50.127	20 mm	454

**Item no.**  
102.015.285.\*

**Material**  
NBR (sw), SI (tr), SI-AS (sw),  
PU (bl), FKM (gr)

1.5 mm

Additional sizes available are found on p. 38.



	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

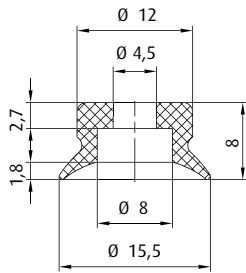
**Item no.**  
102.015.030.\*

**Material**  
NBR (sw), SI (tr), PU (bl)

2 mm

Additional sizes available are found on p. 32.

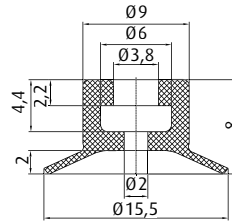
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422
50.330	10 mm	454

**Item no.** 102.015.499.\* **Material** Thermalon® (bl) 1.9 mm

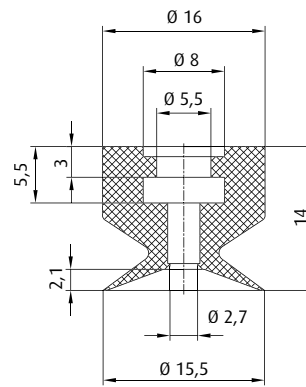
Additional sizes available are found on p. 36.



	Connection	see page
270.010	M5-male	411
270.005	M5-female	412
270.009	G1/8-male	417
270.007	G1/8-female	422
50.330	10 mm	454

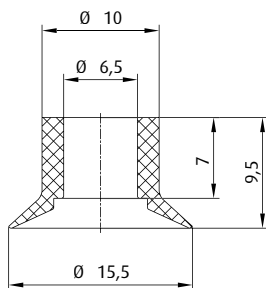
**Item no.** 102.015.309.\* **Material** NBR (sw), SI (tr), PU (bl) 1.9 mm

Additional sizes available are found on p. 32.



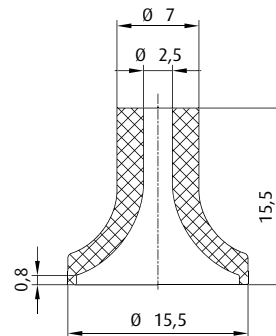
	Connection	see page
270.037	M5-male	411
270.085	G1/8-male	418
270.086	G1/8-female	422

**Item no.** 102.016.319.\* **Material** PU (bl) 2 mm



	Connection	see page
270.250	G1/8-male	418

**Item no.** 102.016.146.\* **Material** NR (gr) 2 mm



	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

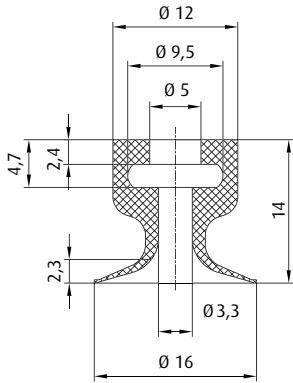
**Item no.** 102.016.138.\* **Material** NR (bg) 3.2 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

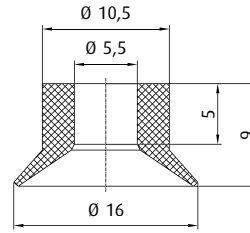
Ø 16 mm



Icon	Connection	see page
	M5-male	411
	G1/8-male	418
	G1/8-female	422
	8.5 mm	454
	8.5 mm	454

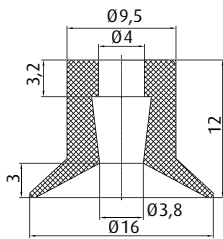
**Item no.** 102.015.220.\* **Material** NBR (sw), SI (tr) 2 mm

Additional sizes available are found on p. 50.



Icon	Connection	see page
	M5-male	411
	G1/8-male	418
	G1/8-female	422

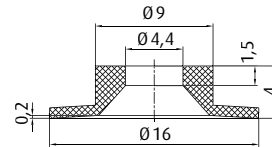
**Item no.** 126.016.003.\* **Material** NR (bg) 3 mm



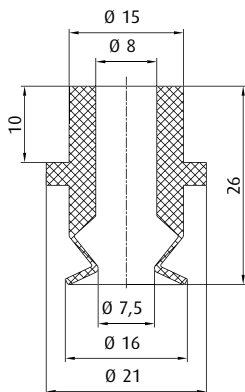
Icon	Connection	see page
	M5-male	409
	M6-male	413

**Item no.** 102.016.098.\* **Material** SI (tr), CR (sw) 2 mm

Additional sizes available are found on p. 42.



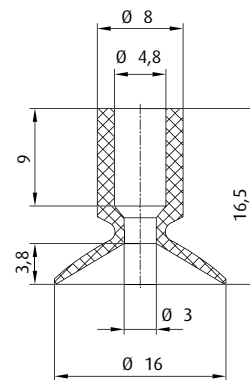
**Item no.** 102.016.145.\* **Material** NR (bg) 0.5 mm



Icon	Connection	see page
	G1/8-male	417
	G1/8-female	422
	G1/4-male	425
	G1/4-female	431

**Item no.** 107.016.008.\* **Material** SI (tr) 2.4 mm

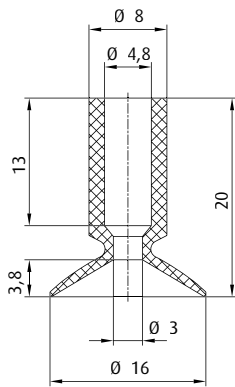
Additional sizes available are found on p. 58.



Icon	Connection	see page
	M5-male	410
	G1/8-male	416
	G1/8-female	421
	G1/4-male	425
	25 mm	456

**Item no.** 122.016.006.\* **Material** NBR (sw) 5 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

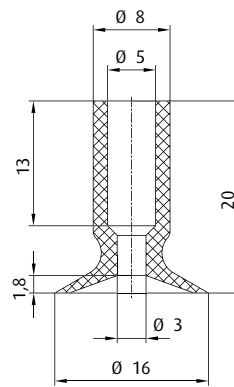


Item no.	Connection	see page
270.013	M5-male	410
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

Item no.	Connection	see page
50.037	25 mm	456

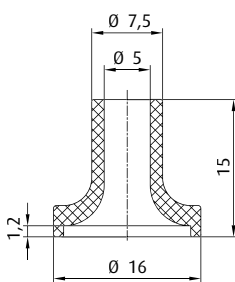
**Item no. 122.016.009.\*** Material NBR (sw), SI (tr), NR (sw) 5 mm

Additional sizes available are found on p. 56.



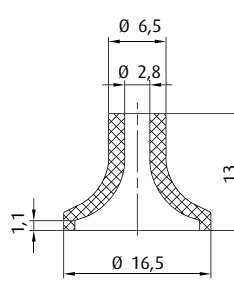
Item no.	Connection	see page
270.013	M5-male	410
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

**Item no. 122.016.076.\*** Material Vulkollan® (br) 2.5 mm



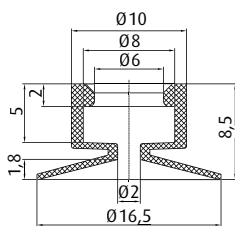
Item no.	Connection	see page
270.013	M5-male	410
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no. 102.016.122.\*** Material NR (bg) 3 mm



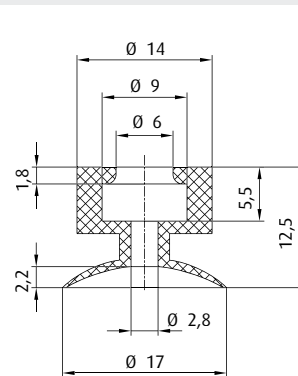
Item no.	Connection	see page
270.536	M5-male	409

**Item no. 102.017.420.\*** Material NR (br) 3.5 mm



Item no.	Connection	see page
270.037	M5-male	411
270.373	M6-male	413
270.085	G1/8-male	418
270.086	G1/8-female	422

**Item no. 102.016.151.\*** Material NR (gr) 0.5 mm



Item no.	Connection	see page
270.037	M5-male	411
270.373	M6-male	413
270.085	G1/8-male	418
270.086	G1/8-female	422

**Item no. 102.016.255.\*** Material SI (r) 3 mm

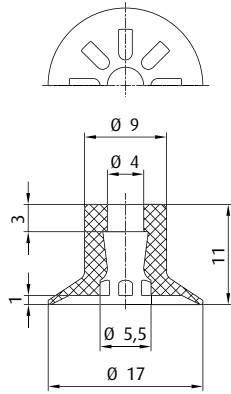
Additional sizes available are found on p. 24.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 17 - 18 mm

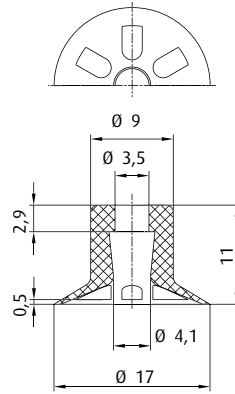


	Connection	see page
270.134	M5-male	409
270.104	M6-male	413

**BESTSELLER**

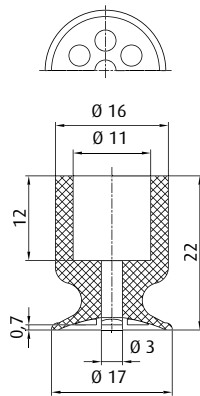
**Item no.** 104.016.003.\* **Material** SI (tr), CR (sw) 0.5 mm

Additional sizes available are found on p. 42.



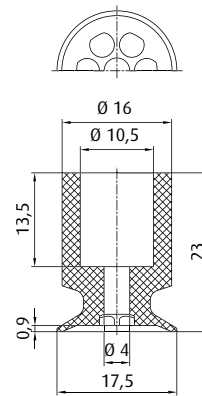
	Connection	see page
270.134	M5-male	409
270.104	M6-male	413

**Item no.** 104.017.026.\* **Material** NR (sw) 1 mm



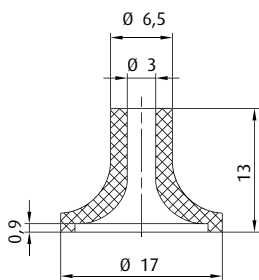
	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.** 102.017.193.\* **Material** Vulkollan® (br) 0.7 mm



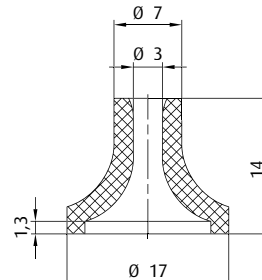
	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.** 104.018.049.\* **Material** Vinyl (bl) 2 mm



	Connection	see page
270.536	M5-male	409

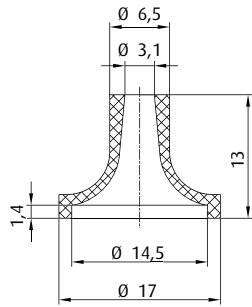
**Item no.** 102.017.132.\* **Material** NR (bl) 3 mm



	Connection	see page
270.536	M5-male	409

**Item no.** 102.017.133.\* **Material** NR (g) 2.4 mm

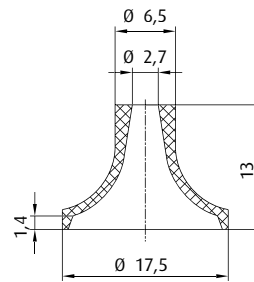
\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



Icon	Connection	see page
	M5-male	409

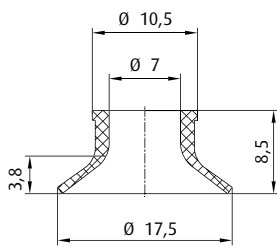
**Item no.** 102.017.276.\* **Material** NR (br) 3 mm

Additional sizes available are found on p. 22.



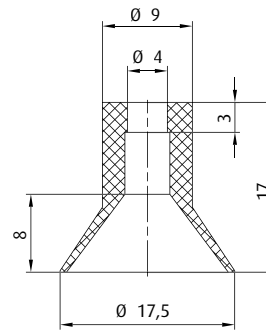
Icon	Connection	see page
	M5-male	410
	M5-female	412
	G1/8-male	416

**Item no.** 102.018.277.\* **Material** NR (bl) 0.6 mm



Icon	Connection	see page
	M5-female	413
	G1/8-male	418
	G1/8-male	418

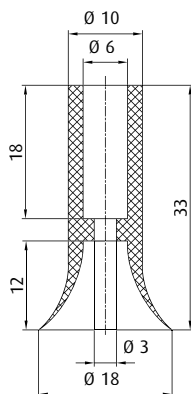
**Item no.** 102.019.139.\* **Material** NR (bg) 1 mm



Icon	Connection	see page
	M5-male	409
	M6-male	413

**Item no.** 122.016.012.\* **Material** SI (tr), CR (sw) 1.5 mm

Additional sizes available are found on p. 42.

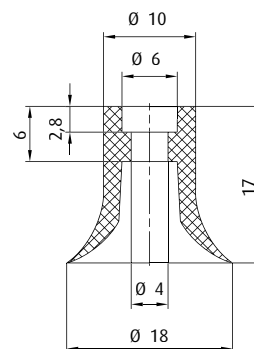


Icon	Connection	see page
	M5-male	410
	G1/8-male	417
	G1/8-female	422
	G1/4-male	425

**FLEXIBLE LIP**

**Item no.** 102.018.345.\* **Material** SI (tr) --

Additional sizes available are found on p. 58.



Icon	Connection	see page
	M5-male	410
	G1/8-male	416
	G1/8-female	421

**Item no.** 107.018.004.\* **Material** SI (tr) --

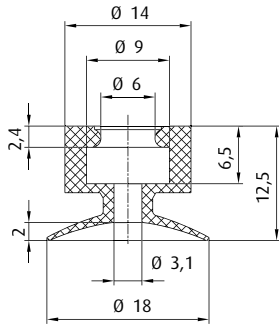
Additional sizes available are found on p. 58.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

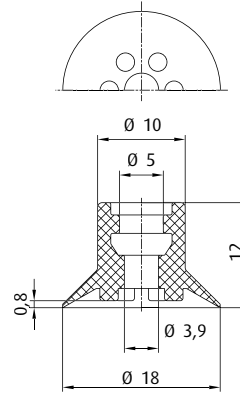
Ø 18 mm



	Connection	see page
270.037	M5-male	411
270.373	M6-male	413
270.085	G1/8-male	418
270.086	G1/8-female	422

**Item no.** 102.018.442.\* **Material** NR (or) 2 mm

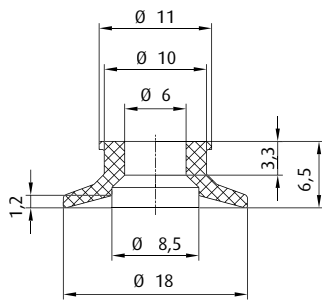
Additional sizes available are found on p. 24.



	Connection	see page
270.094	M5-male	411
270.095	G1/8-male	418
270.096	G1/8-female	422

**Item no.** 104.018.005.\* **Material** NBR (sw), SI (bl) 1 mm

This vacuum cup is also available in the following dimensions: 10 mm, 15 mm, 24 mm, 30 mm, 40 mm, 50 mm

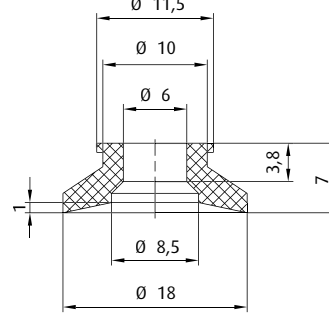


	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

		see page
50.018	8.5 mm	454
50.019	8.5 mm	454

**Item no.** 102.018.143.\* **Material** NR (bg) 0.5 mm

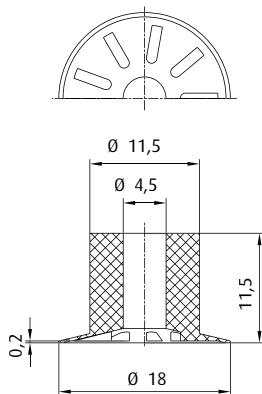


	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

		see page
50.018	8.5 mm	454
50.019	8.5 mm	454

**Item no.** 102.018.144.\* **Material** NR (bg) 0.5 mm

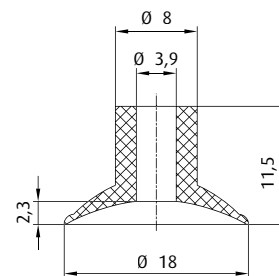


	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

		see page
50.037	25 mm	456

**Item no.** 104.018.051.\* **Material** Vinyl (bl) 0.5 mm



	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

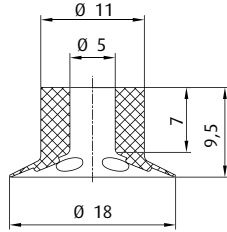
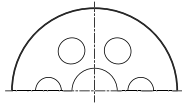
  

		see page
50.037	25 mm	456

**Item no.** 112.018.024.\* **Material** NBR (sw), SI (w), NR (sw) 2.3 mm

Additional sizes available are found on p. 52.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760

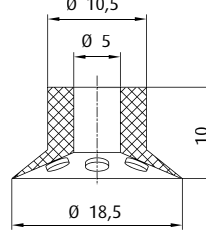
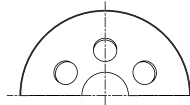


	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

Item no.  
112.018.111.\*

Material  
SI (tr), NR (sw)

1 mm

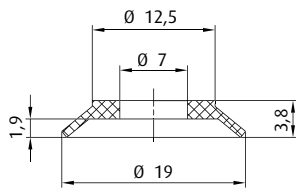


	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

Item no.  
127.018.001.\*

Material  
NBR (sw), SI (tr), NR (bg)

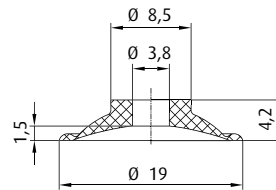
1.5 mm



Item no.  
107.019.054.\*

Material  
NR (bl)

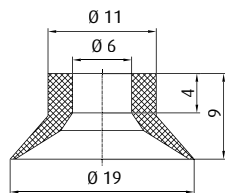
0.5 mm



Item no.  
112.019.073.\*

Material  
NR (sw)

2 mm

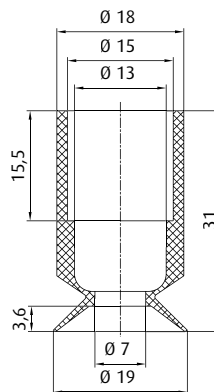


	Connection	see page
270.500-S	M5-female	413
270.250	G1/8-male	418
270.503-S	G1/8-male	418
270.534	G1/4-male	425

Item no.  
122.019.014.\*

Material  
SI (tr), NR (bg)

3 mm



	Connection	see page
270.207	G1/4-male	426

Item no.  
102.019.036.\*

Material  
NR (sw)

5 mm

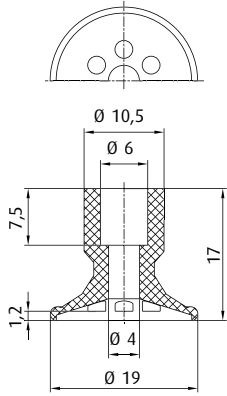
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760





# Vacuum cups by size | Flat vacuum cups by Ø

Ø 19 - 20 mm

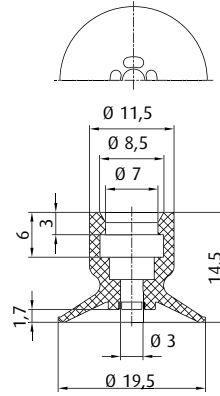


	Connection	see page
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

**Item no.**  
104.020.042.\*

**Material**  
Vinyl (bl)

0.5 mm



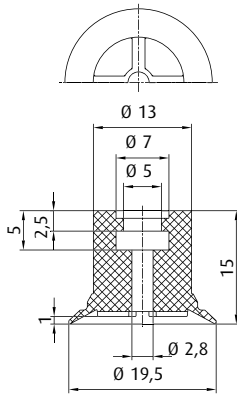
	Connection	see page
270.251	G1/8-female	423
270.501-S	G1/8-female	424
270.506-S	G1/4-male	428
270.505-S	G3/8-male	434

**Item no.**  
102.020.355.\*

**Material**  
NBR (sw)

3 mm

This vacuum cup is also available in the following dimensions: 28 mm



	Connection	see page
270.037	M5-male	411
270.373	M6-male	413
270.085	G1/8-male	418
270.086	G1/8-female	422

		see page
50.018	8.5 mm	454
50.019	8.5 mm	454

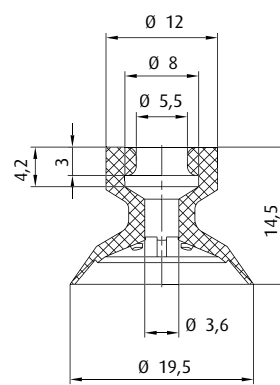
**BESTSELLER**

**Item no.**  
102.020.083.\*

**Material**  
NBR (sw), SI (tr), SI (r)

1 mm

Additional sizes available are found on p. 20.

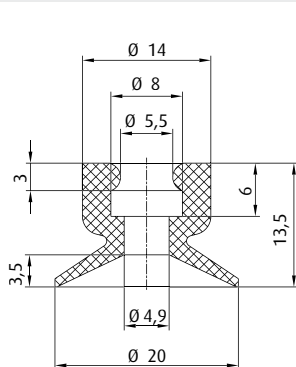


	Connection	see page
270.037	M5-male	411
270.373	M6-male	413
270.085	G1/8-male	418
270.086	G1/8-female	422

**Item no.**  
102.020.272.\*

**Material**  
NR (sw)

1 mm



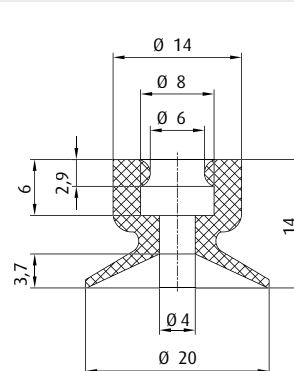
	Connection	see page
270.037	M5-male	411
270.373	M6-male	413
270.085	G1/8-male	418
270.086	G1/8-female	422

**Item no.**  
102.020.140.\*

**Material**  
NR (sw), NR (or)

3 mm

Additional sizes available are found on p. 24.



	Connection	see page
270.037	M5-male	411
270.373	M6-male	413
270.085	G1/8-male	418
270.086	G1/8-female	422

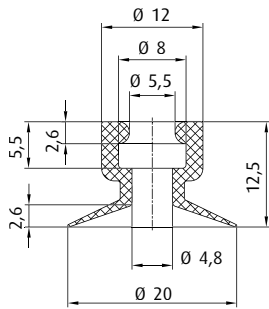
**Item no.**  
126.020.004.\*

**Material**  
SI (tr), NR (or), NR (br)

3.5 mm

Additional sizes available are found on p. 24.

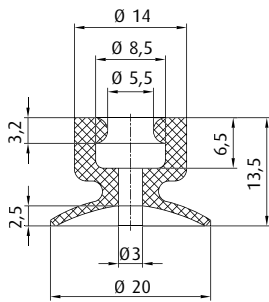
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



	Connection	see page
	M5-male	411
	M6-male	413
	G1/8-male	418
	G1/8-female	422

<b>Item no.</b> <b>126.020.005.*</b>	<b>Material</b> NBR (sw), SI (tr), NR (sw)	1 mm
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Additional sizes available are found on p. 24.

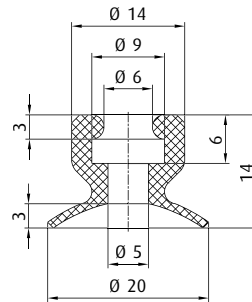


	Connection	see page
	M5-male	411
	M6-male	413
	G1/8-male	418
	G1/8-female	422

**WEAR-RESISTANT**

<b>Item no.</b> <b>102.020.299.*</b>	<b>Material</b> Vulkollan® (br)	3.5 mm
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Additional sizes available are found on p. 24.

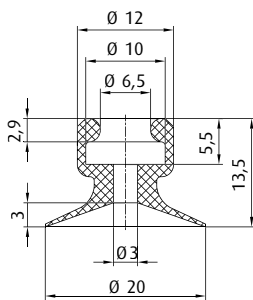


	Connection	see page
	M5-male	411
	M6-male	413
	G1/8-male	418
	G1/8-female	422

**WEAR-RESISTANT**

<b>Item no.</b> <b>102.020.300.*</b>	<b>Material</b> Vulkollan® (br)	3 mm
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Additional sizes available are found on p. 24.

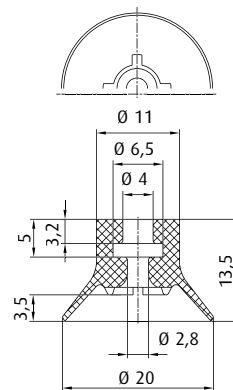


	Connection	see page
	M5-male	411
	M6-male	413
	G1/8-male	418
	G1/8-female	422

**WEAR-RESISTANT**

<b>Item no.</b> <b>102.020.308.*</b>	<b>Material</b> Vulkollan® (br)	1 mm
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Additional sizes available are found on p. 24.



	Connection	see page
	M5-male	411
	G1/8-male	418
	G1/8-female	422

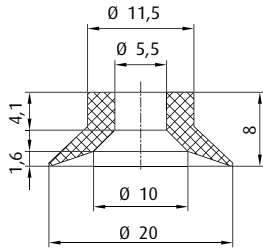
<b>Item no.</b> <b>102.020.321.*</b>	<b>Material</b> Vulkollan® (br)	3.5 mm
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 20 mm

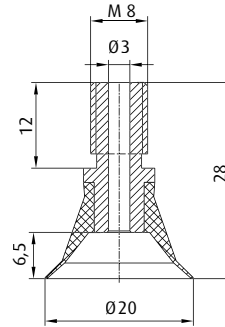


Connection	see page
270.094 M5-male	411
270.095 G1/8-male	418
270.096 G1/8-female	422

Item no. 102.019.110.\*

Material NR (bg)

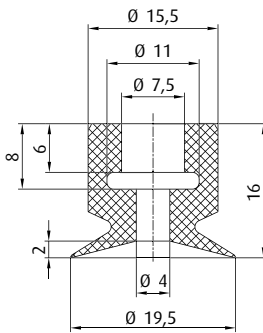
2 mm



Item no. 120.019.003.\*

Material NBR (sw), SI (tr), NR (sw)

2 mm



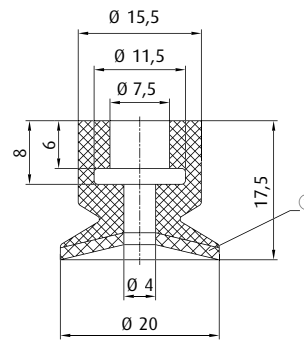
Connection	see page
270.012 G1/8-male	421
270.020 G1/8-female	423
270.034 G1/4-male	428
270.038 G1/4-female	432

see page	
50.005 5 mm	456
50.145 10 mm	456
50.146 30 mm	456

Item no. 102.020.365.\*

Material SI (bl)

1.5 mm



Connection	see page
270.012 G1/8-male	421
270.020 G1/8-female	423
270.034 G1/4-male	428
270.038 G1/4-female	432

see page	
50.005 5 mm	456
50.145 10 mm	456
50.146 30 mm	456

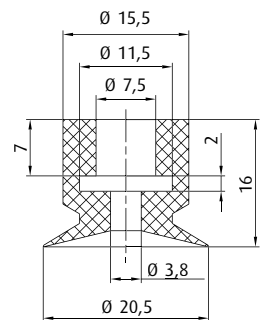
① = Silicone sponge

Item no. 104.020.086.\*

Material SI (bl/r)

1.5 mm

Additional sizes available are found on p. 166.



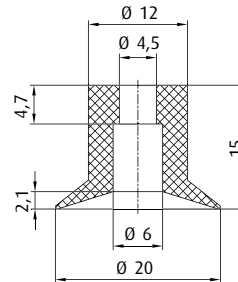
Connection	see page
270.012 G1/8-male	421
270.020 G1/8-female	423
270.034 G1/4-male	428
270.038 G1/4-female	432

see page	
50.005 5 mm	456
50.145 10 mm	456
50.146 30 mm	456

Item no. 107.020.014.\*

Material SI (tr)

1 mm



Connection	see page
270.317 M5-male	410
270.103 M6-male	413
270.205 G1/8-male	416
270.109 G1/8-female	421
270.194 G1/4-male	425

see page	
50.020 8.5 mm	454

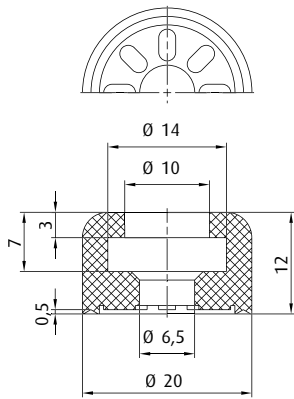
Item no. 102.020.221.\*

Material NBR (sw), SI (tr)

2 mm

Additional sizes available are found on p. 50.

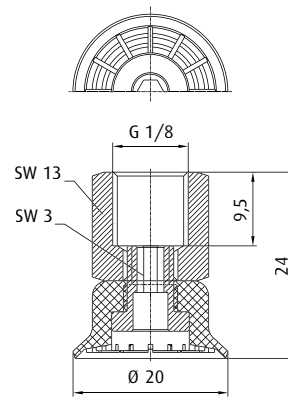
\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



	Connection	see page
270.521	M5-male	412

**Item no.** 102.020.458.\* **Material** HNBR (ge), NR (br) 0.5 mm

Additional sizes available are found on p. 70.

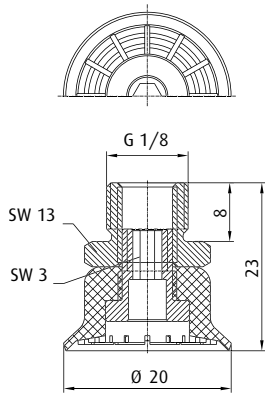


**NON-SLIP**

**Item no.** 100.020.101.\* **Material** NBR (sw) 1.1 mm

Additional sizes available are found on p. 62.

Spare cup

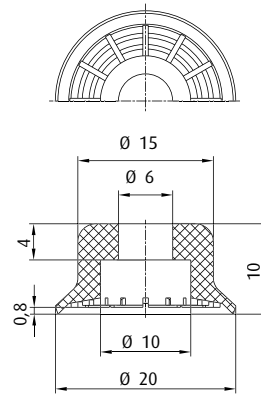


**NON-SLIP**

**Item no.** 100.020.111.\* **Material** NBR (sw) 1.1 mm

Additional sizes available are found on p. 62.

Spare cup

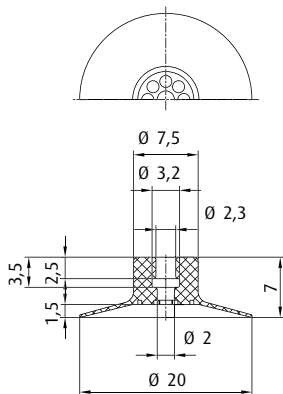


	Connection	see page
270.311	M5-male	411
270.459	M6-male	414
270.480	G1/8-male	420
270.479	G1/8-female	423

		see page
50.085	6 mm	454
50.128	10 mm	454
50.129	15 mm	454
50.130	20 mm	454
50.095	20 mm	456
50.096	30 mm	456
50.097	40 mm	456
50.098	50 mm	456

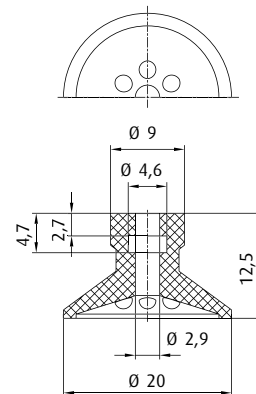
**Item no.** 104.020.066.\* **Material** NBR (sw) 1.1 mm



**VERY FLEXIBLE**

**Item no.** 104.020.073.\* **Material** NBR (sw), SI-FS (r) 1.6 mm

Additional sizes available are found on p. 20.  
This vacuum cup is also available in the following dimensions: 8 mm, 10 mm, 15 mm



	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413

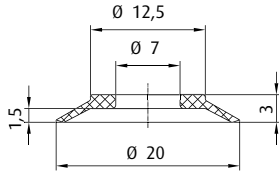
**Item no.** 104.020.075.\* **Material** Vinyl (bl) 2 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 20 mm

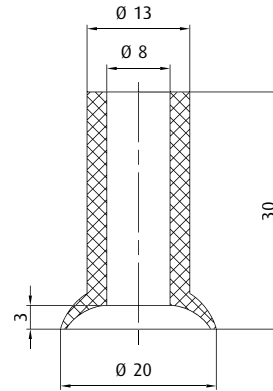


Item no.	Connection	see page
270.105	M6-male	414
270.040	M8-male	415
270.077	G1/8-male	419

Item no.  
102.020.271.\*

Material  
NR (sw)

1 mm

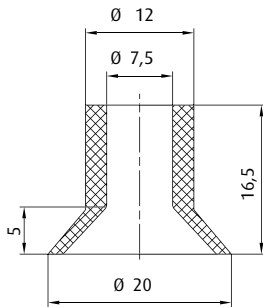


Item no.	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.043	G1/4-male	425
270.178	G1/4-female	431

Item no.  
107.020.013.\*

Material  
SI (tr), NR (br)

4 mm

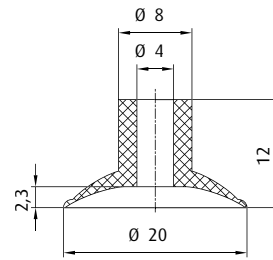


Item no.	Connection	see page
270.112	G1/8-male	419
270.114	G1/8-female	422
270.113	G1/4-male	425
270.178	G1/4-female	431

Item no.  
107.020.015.\*

Material  
SI (tr), NR (sw), NR (br)

3 mm



Item no.	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

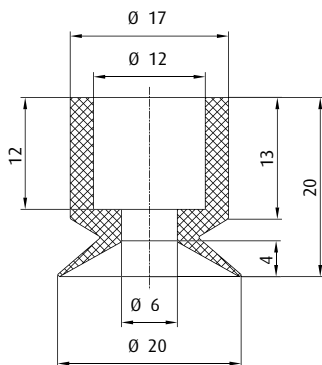
Item no.	Connection	see page
50.037	25 mm	456

Item no.  
112.020.031.\*

Material  
NBR (sw), SI (w), NR (sw)

2.3 mm

Additional sizes available are found on p. 52.

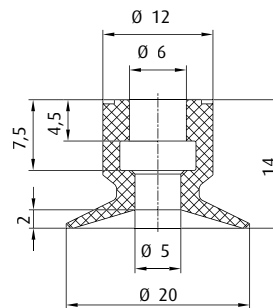


Item no.	Connection	see page
270.097	G1/4-male	426
270.098	G1/4-female	432

Item no.  
122.020.017.\*

Material  
SI (tr), NR (bg)

3 mm



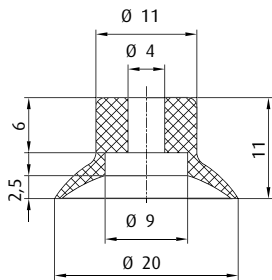
Item no.	Connection	see page
270.063	G1/8-male	419
270.061	G1/8-female	422

Item no.  
102.021.179.\*

Material  
Vinyl (bl)

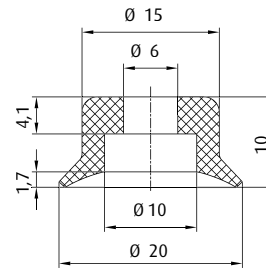
0.5 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



Item no.	Connection	see page
270.013	M5-male	410
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.** 102.020.312.\* **Material** SI (tr) 2.5 mm

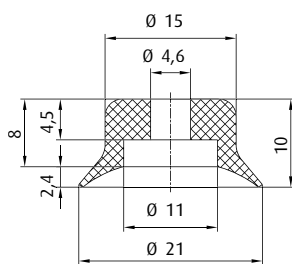


Item no.	Connection	see page
270.311	M5-male	411
270.459	M6-male	414
270.480	G1/8-male	420
270.479	G1/8-female	423

Item no.	Connection	see page
50.085	6 mm	454
50.128	10 mm	454
50.129	15 mm	454
50.130	20 mm	454
50.095	20 mm	456
50.096	30 mm	456
50.097	40 mm	456
50.098	50 mm	456

**Item no.** 102.020.286.\* **Material** NBR (sw), SI (tr), PU (bl), FKM (gr) 2 mm

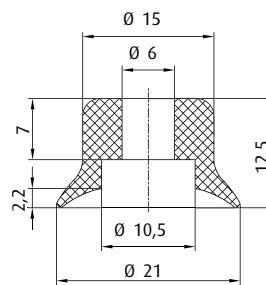
Additional sizes available are found on p. 38.



Item no.	Connection	see page
270.311	M5-male	411
270.063	G1/8-male	419
270.061	G1/8-female	422

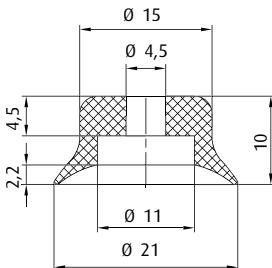
**Item no.** 102.020.041.\* **Material** NBR (sw), SI (tr), PU (bl) 2 mm

Additional sizes available are found on p. 32.



Item no.	Connection	see page
270.030	G1/8-male	419
270.019	G1/8-female	423
270.274	G1/4-male	427
270.275	G1/4-female	432

**Item no.** 102.020.330.\* **Material** NBR (sw), SI (tr) 3 mm



Item no.	Connection	see page
270.311	M5-male	411
270.063	G1/8-male	419
270.061	G1/8-female	422

**Item no.** 102.020.500.\* **Material** Thermalon® (bl) 2.3 mm

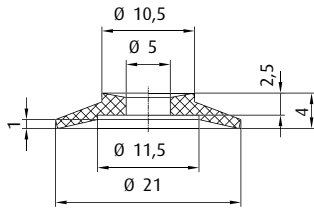
Additional sizes available are found on p. 36.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 21 - 22 mm

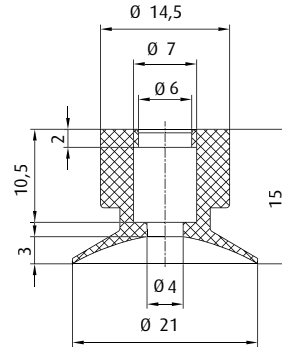


**Item no.**  
102.021.063.\_\*

**Material**  
NR (sw)

1 mm

Additional sizes available are found on p. 22.



**Item no.**  
102.021.399.\_\*

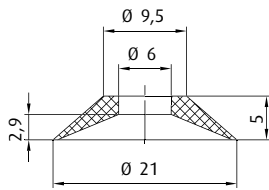
**Material**  
Vinyl (bl)

2.5 mm

	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

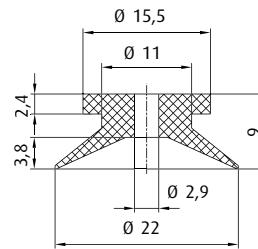
		see page
50.018	8.5 mm	454
50.019	8.5 mm	454



**Item no.**  
107.021.049.\_\*

**Material**  
NR (bg)

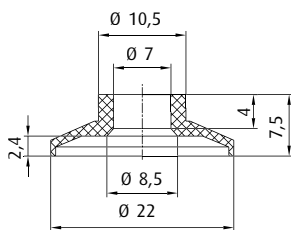
1.5 mm



**Item no.**  
102.022.150.\_\*

**Material**  
Vinyl (bl)

2.5 mm



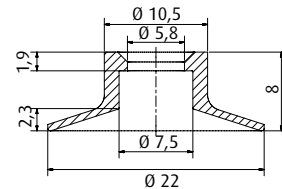
**Item no.**  
102.022.185.\_\*

**Material**  
NR (gr)

0.5 mm

Additional sizes available are found on p. 22.

	Connection	see page
270.500-S	M5-female	413
270.250	G1/8-male	418
270.503-S	G1/8-male	418



**Item no.**  
102.022.526.\_\*

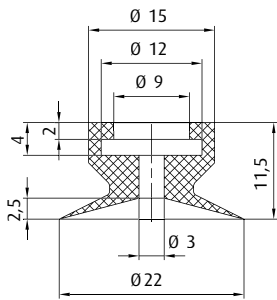
**Material**  
NR (bl)

2 mm

Additional sizes available are found on p. 22.

	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

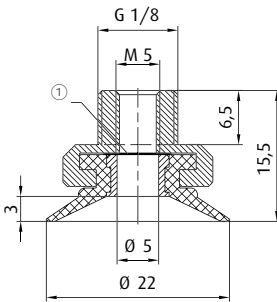


	Connection	see page
270.541	G1/8-male	421

**Item no.**  
102.022.406.\*

**Material**  
SI (r)

2 mm



① = Filter screen

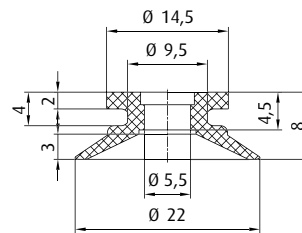
**Item no.**  
120.020.006.\*

**Material**  
SI (tr), CR (sw)

2.5 mm

Additional sizes available are found on p. 47.

Spare cup



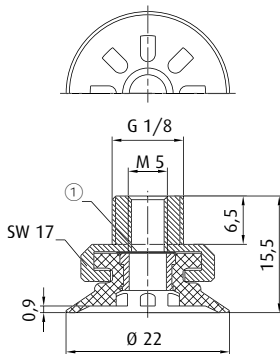
	Connection	see page
270.500-S	M5-female	413
270.250	G1/8-male	418
270.503-S	G1/8-male	418

**Item no.**  
102.020.095.\*

**Material**  
SI (tr), CR (sw)

2.5 mm

Additional sizes available are found on p. 42.



① = Filter screen

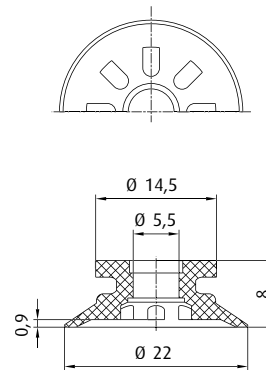
**Item no.**  
123.020.003.\*

**Material**  
Tepuflex® (or), SI (tr), CR (sw)

1 mm

Additional sizes available are found on p. 47.

Spare cup



	Connection	see page
270.500-S	M5-female	413
270.250	G1/8-male	418
270.503-S	G1/8-male	418

**BESTSELLER**

**Item no.**  
125.020.004.\*

**Material**  
Tepuflex® (or), SI (tr), CR (sw)

1 mm

Additional sizes available are found on p. 42.

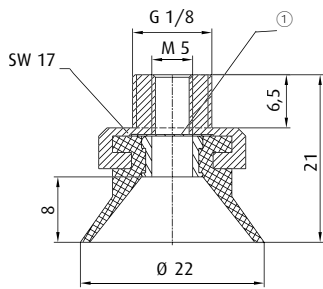
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760





# Vacuum cups by size | Flat vacuum cups by Ø

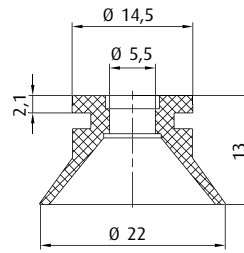
Ø 22 mm



① = Filter screen

<b>Item no.</b> 120.022.011.*	<b>Material</b> SI (tr), CR (sw)	2.5 mm
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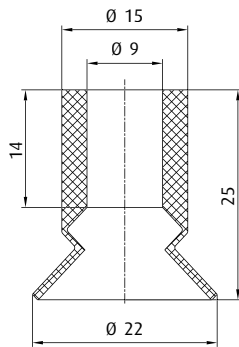
Spare cup



<b>Item no.</b> 122.022.022.*	<b>Material</b> SI (tr), CR (sw)	2.5 mm
----------------------------------	-------------------------------------	--------

Additional sizes available are found on p. 42.

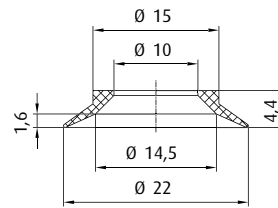
	Connection	see page
	M5-female	413
	G1/8-male	418
	G1/8-female	418



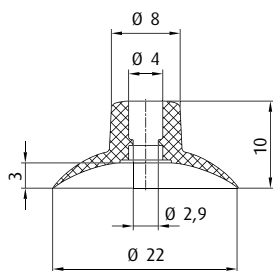
	Connection	see page
	G1/8-male	419
	G1/8-female	422
	G1/4-male	425
	G1/4-female	431

<b>Item no.</b> 102.022.043.*	<b>Material</b> NBR (sw), SI (tr), NR (sw)	5 mm
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Additional sizes available are found on p. 58.



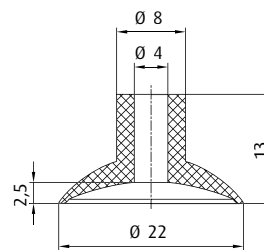
<b>Item no.</b> 107.022.016.*	<b>Material</b> NR (sw)	1 mm
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	Connection	see page
	M5-male	410
	M5-female	412
	M6-male	413
	G1/8-male	416
	G1/8-female	421

<b>Item no.</b> 102.022.071.*	<b>Material</b> PU (bl)	3 mm
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This vacuum cup is also available in the following dimensions: 25 mm, 30 mm



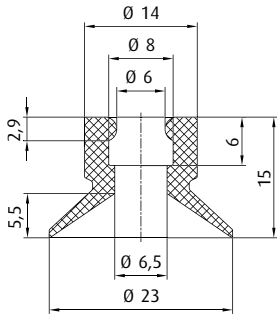
	Connection	see page
	M5-male	409
	M5-female	412
	M6-male	413
	G1/8-male	416
	G1/8-female	421

	Connection	see page
	25 mm	456

<b>Item no.</b> 112.022.037.*	<b>Material</b> NBR (sw), SI (w)	2.5 mm
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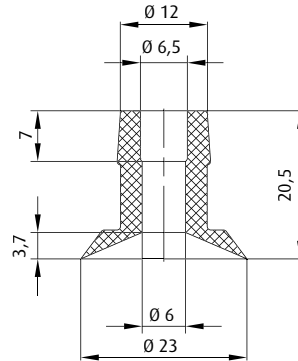
Additional sizes available are found on p. 52.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



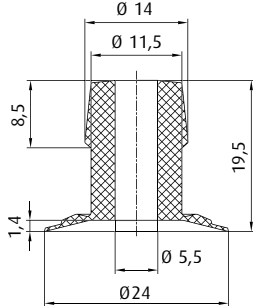
Item no.	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

**Item no.** 102.023.356.\* **Material** Vinyl (bl) **Thickness** 3.8 mm



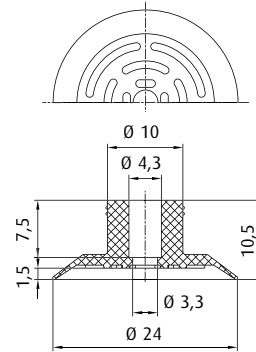
Item no.	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425
270.043	G1/4-male	425

**Item no.** 102.023.331.\* **Material** Vinyl (tr) **Thickness** 2.5 mm



Item no.	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

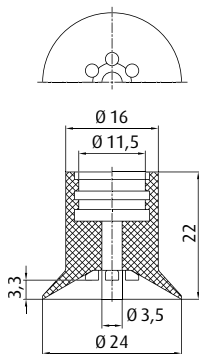
**Item no.** 102.023.149.\* **Material** Vinyl (tr) **Thickness** 0.5 mm



Item no.	Connection	see page
270.134	M5-male	409
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.** 102.024.457.\* **Material** SI (tr), NR (bg) **Thickness** 1.8 mm

Additional sizes available are found on p. 20.  
This vacuum cup is also available in the following dimensions: 15 mm, 28 mm, 30 mm, 40 mm



Item no.	Connection	see page
270.097	G1/4-male	426
270.098	G1/4-female	432

**Item no.** 104.024.006.\* **Material** NBR (sw) **Thickness** 1 mm

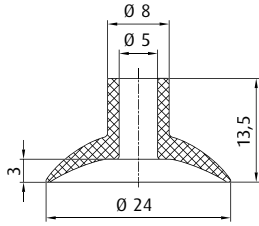
This vacuum cup is also available in the following dimensions: 10 mm, 15 mm, 18 mm, 30 mm, 40 mm, 50 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



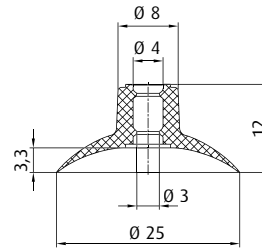
# Vacuum cups by size | Flat vacuum cups by Ø

Ø 24 - 25 mm



	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

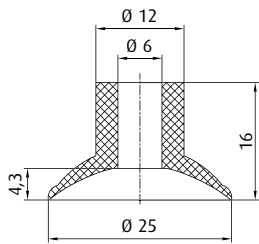
**Item no.** 102.024.123.\* **Material** NR (sw), NR (bg) 4 mm



	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.** 102.025.085.\* **Material** PU (r) 4 mm

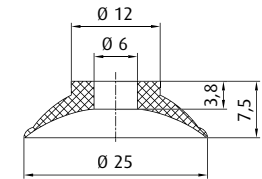
This vacuum cup is also available in the following dimensions: 22 mm, 30 mm



	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

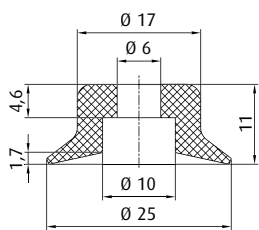
**Item no.** 112.025.042.\* **Material** NBR (sw), SI (w), NR (sw) 4.5 mm

Additional sizes available are found on p. 52.



	Connection	see page
270.039	M6-male	414

**Item no.** 112.025.043.\* **Material** NBR (sw), SI (w), NR (sw) 2.5 mm



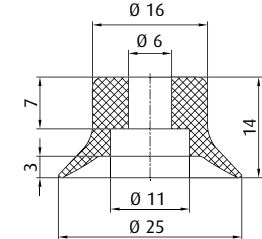
	Connection	see page
270.311	M5-male	411
270.459	M6-male	414
270.480	G1/8-male	420
270.479	G1/8-female	423

	see page	
50.085	6 mm	454
50.128	10 mm	454
50.129	15 mm	454
50.130	20 mm	454
50.095	20 mm	456
50.096	30 mm	456
50.097	40 mm	456
50.098	50 mm	456

**Item no.** 102.025.287.\* **Material** NBR (sw), SI (tr), PU (bl), FKM (gr) 2 mm

Additional sizes available are found on p. 38.



	Connection	see page
270.312/19	M6-male	414
270.030	G1/8-male	419
270.019	G1/8-female	423
270.274	G1/4-male	427
270.275	G1/4-female	432

**Item no.** 102.025.047.\* **Material** NBR (sw), SI (tr), PU (bl) 2.5 mm

Additional sizes available are found on p. 32.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

<b>Item no.</b> 102.025.102._*	<b>Material</b> NR (g), NR (sw)	4 mm
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Additional sizes available are found on p. 24.

	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

<b>Item no.</b> 126.025.010._*	<b>Material</b> FKM (sw)	5 mm
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	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

<b>Item no.</b> 102.025.113._*	<b>Material</b> NBR (sw), SI (tr)	3.5 mm
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	Connection	see page
270.500-S	M5-female	413
270.250	G1/8-male	418
270.503-S	G1/8-male	418

<b>Item no.</b> 102.025.103._*	<b>Material</b> NR (sw)	2.5 mm
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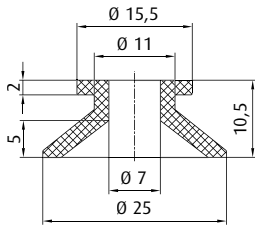
<b>Item no.</b> 102.025.119._*	<b>Material</b> NR (bg)	1.5 mm
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

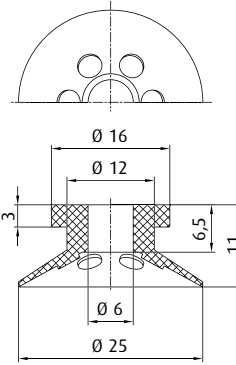
Ø 25 mm



**Item no.**  
102.026.128.\_\*

**Material**  
NR (bg)

2.5 mm

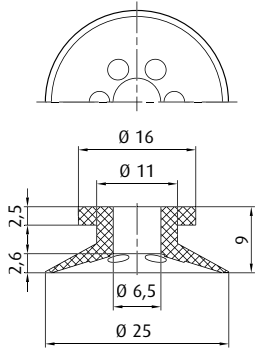


**Item no.**  
104.025.027.\_\*

**Material**  
NR (bg)

3.5 mm

	Connection	see page
270.200	M5-male	411
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

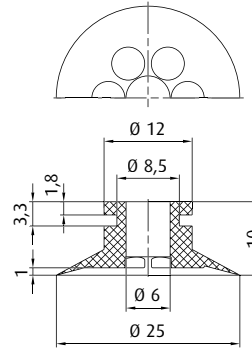


**Item no.**  
104.025.031.\_\*

**Material**  
NR (bg), PU (sw)

1 mm

	Connection	see page
270.500-S	M5-female	413
270.250	G1/8-male	418
270.503-S	G1/8-male	418

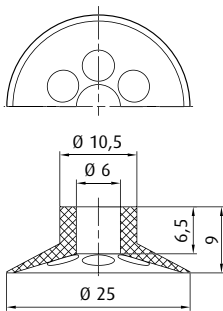


**Item no.**  
102.025.225.\_\*

**Material**  
NR (br)

1.5 mm

	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

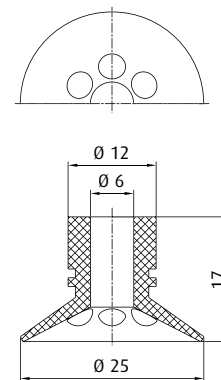


**Item no.**  
104.025.030.\_\*

**Material**  
NR (bg)

1 mm

	Connection	see page
270.200	M5-male	411
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425



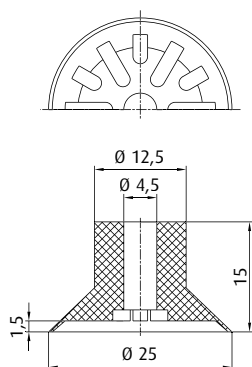
**Item no.**  
104.025.040.\_\*

**Material**  
Vinyl (bl)

2.5 mm

	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



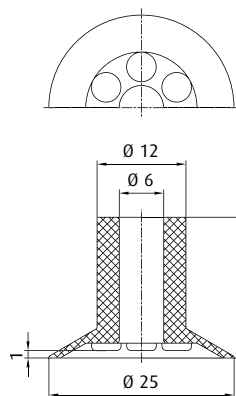
	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

**Item no.**  
104.025.043.\_\*

**Material**  
Vinyl (bl)

1.5 mm

Additional sizes available are found on p. 20.



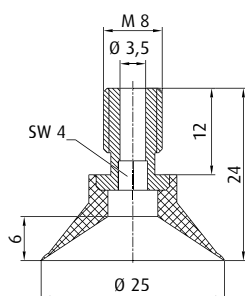
	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

**Item no.**  
104.025.094.\_\*

**Material**  
NR (br)

1 mm

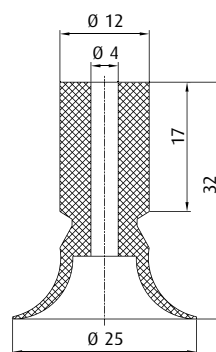
Additional sizes available are found on p. 20.



**Item no.**  
120.025.086.\_\*

**Material**  
SI (w), NR (sw)

3.5 mm

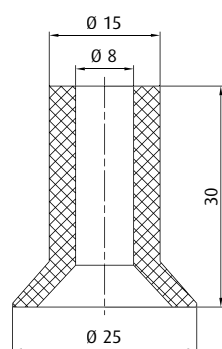


	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.**  
126.025.009.\_\*

**Material**  
NR (bg)

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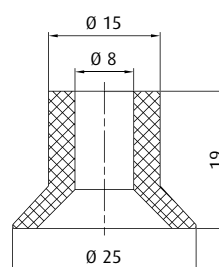


	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.043	G1/4-male	425
270.178	G1/4-female	431

**Item no.**  
107.025.019.\_\*

**Material**  
NR (br)

2 mm



	Connection	see page
270.114	G1/8-female	422
270.043	G1/4-male	425
270.178	G1/4-female	431

**Item no.**  
107.025.020.\_\*

**Material**  
NR (br)

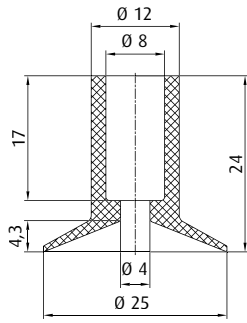
1 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 25 mm

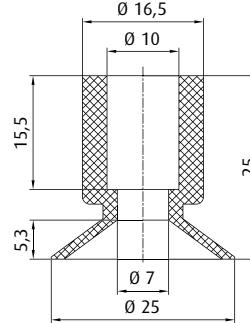


	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.043	G1/4-male	425
270.178	G1/4-female	431

Item no. 102.025.417.\*

Material SI (r)

3 mm

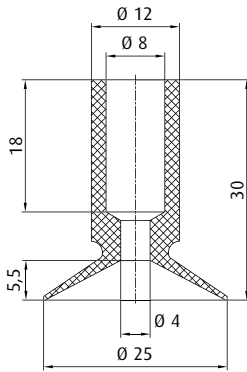


	Connection	see page
270.244	M5-male	410
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

Item no. 102.025.126.\*

Material NR (bg)

4 mm



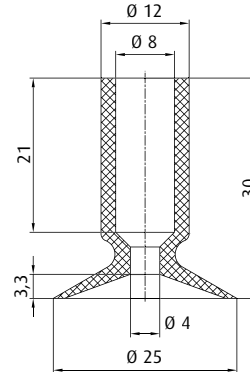
	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.043	G1/4-male	425
270.178	G1/4-female	431

Item no. 122.025.025.\*

Material NBR (sw), SI (tr), NR (sw)

5 mm

Additional sizes available are found on p. 56.



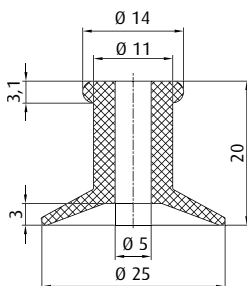
	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.043	G1/4-male	425
270.178	G1/4-female	431

**WEAR-RESISTANT**

Item no. 122.025.077.\*

Material Vulkollan® (br)

4 mm



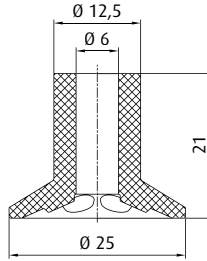
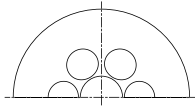
	Connection	see page
270.013	M5-male	410
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

Item no. 102.027.124.\*

Material NR (bg)

4 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760

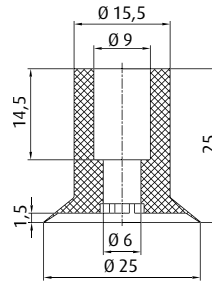
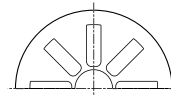


	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

**Item no.**  
104.026.033.\*

**Material**  
NR (bg)

2 mm

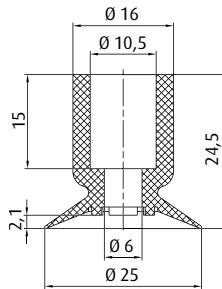
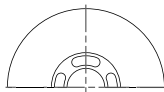


	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.208	G1/4-male	425
270.178	G1/4-female	431

**Item no.**  
102.025.373.\*

**Material**  
Vinyl (bl)

1.5 mm

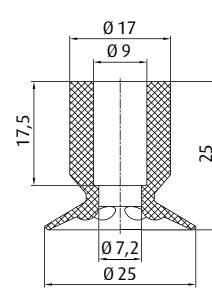
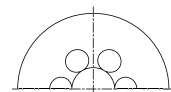


	Connection	see page
270.244	M5-male	410
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
104.025.037.\*

**Material**  
NR (bg)

2 mm

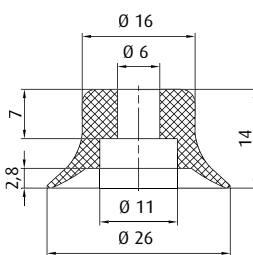


	Connection	see page
270.244	M5-male	410
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
104.025.056.\*

**Material**  
Vinyl (bl)

2.5 mm



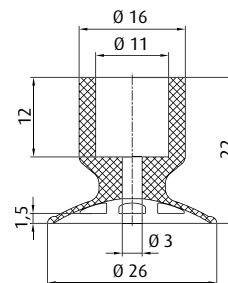
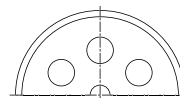
	Connection	see page
270.312/19	M6-male	414
270.030	G1/8-male	419
270.019	G1/8-female	423
270.274	G1/4-male	427
270.275	G1/4-female	432

**Item no.**  
102.025.501.\*

**Material**  
Thermalon® (bl)

3 mm

Additional sizes available are found on p. 36.



	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**WEAR-RESISTANT**

**Item no.**  
102.025.192.\*

**Material**  
Vulkollan® (br)

3 mm

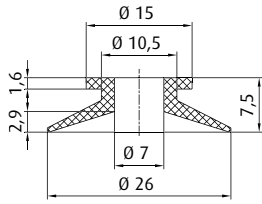
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760





# Vacuum cups by size | Flat vacuum cups by Ø

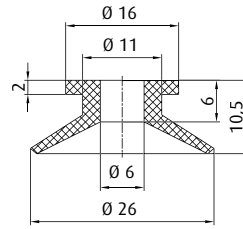
Ø 26 - 27 mm



**Item no.**  
102.026.121.\*

**Material**  
NR (bg)

3 mm

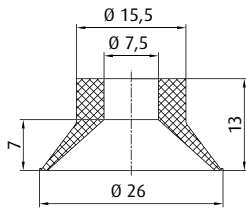


**Item no.**  
102.026.180.\*

**Material**  
Vinyl (bl)

4 mm

	Connection	see page
270.200	M5-male	411
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

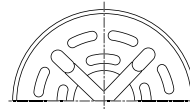


**Item no.**  
102.027.167.\*

**Material**  
Vinyl (bl)

5 mm

	Connection	see page
270.043	G1/4-male	425
270.038	G1/4-female	432



**Item no.**  
102.027.298.\*

**Material**  
SI (tr)

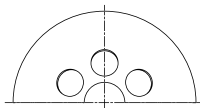
0.5 mm

	Connection	see page
270.451	G1/4-male	426
270.452	G1/4-female	431

Additional sizes available are found on p. 20.

**Notes:** Especially well-suited for foils

This vacuum cup is also available in the following dimensions: 36 mm

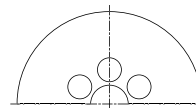


**Item no.**  
104.027.032.\*

**Material**  
NR (bg)

2 mm

	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425



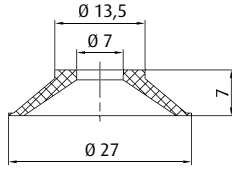
**Item no.**  
104.027.055.\*

**Material**  
Vinyl (bl)

2.5 mm

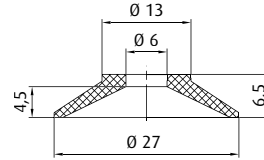
	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



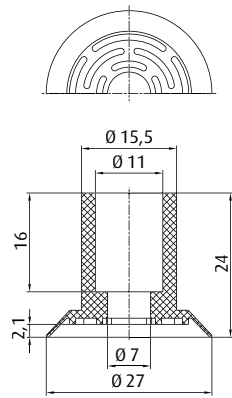
Item no.	Connection	see page
270.105	M6-male	414
270.040	M8-male	415
270.077	G1/8-male	419

**Item no.** 107.027.022.\* **Material** NBR (sw), SI (tr) **Height** 4 mm



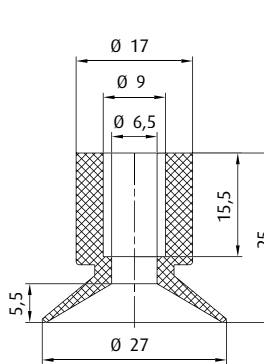
Item no.	Connection	see page
270.105	M6-male	414
270.040	M8-male	415
270.077	G1/8-male	419

**Item no.** 107.027.052.\* **Material** NR (gr) **Height** 3 mm



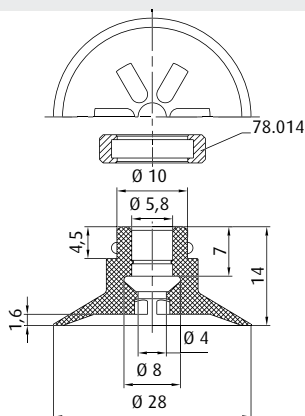
Item no.	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.** 104.027.062.\* **Material** NR (sw) **Height** 2 mm



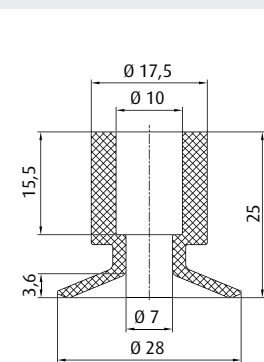
Item no.	Connection	see page
270.244	M5-male	410
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.** 102.028.164.\* **Material** Vinyl (bl) **Height** 5 mm



**Item no.** 102.028.461.\* **Material** SI (tr) **Height** 2 mm

**Ordering notes:** The retaining ring Item. No. 78.014 (stainless steel) must be ordered separately



Item no.	Connection	see page
270.244	M5-male	410
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

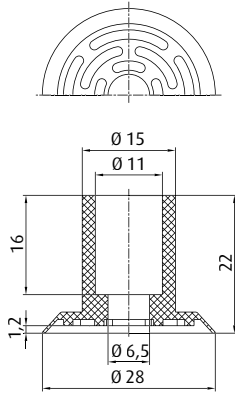
**Item no.** 102.028.163.\* **Material** Vinyl (bl) **Height** 4 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

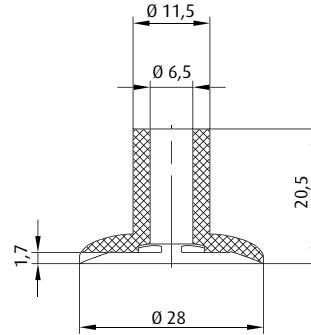
Ø 28 mm



Icon	Connection	see page
	270.451 G1/4-male	426
	270.452 G1/4-female	431

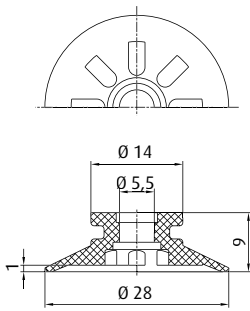
**Item no.** 104.029.093.\* **Material** NR (sw) 1 mm

Additional sizes available are found on p. 21.  
This vacuum cup is also available in the following dimensions: 15 mm, 24 mm, 30 mm, 40 mm



Icon	Connection	see page
	270.112 G1/8-male	419
	270.114 G1/8-female	422
	270.113 G1/4-male	425
	270.178 G1/4-female	431

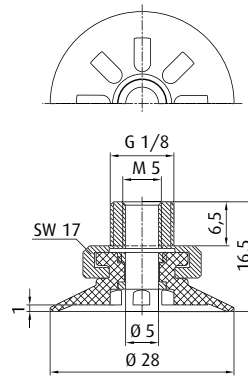
**Item no.** 102.027.246.\* **Material** NR (br) 2 mm



Icon	Connection	see page
	270.500-S M5-female	413
	270.250 G1/8-male	418
	270.503-S G1/8-male	418

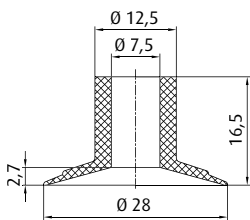
**Item no.** 125.025.007.\* **Material** Tepuflex® (or), SI (tr), CR (sw) 1 mm

Additional sizes available are found on p. 42.



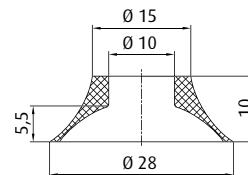
**Item no.** 123.025.010.\* **Material** Tepuflex® (or), SI (tr), CR (sw) 1 mm

Additional sizes available are found on p. 47.



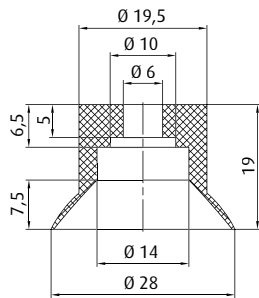
Icon	Connection	see page
	270.112 G1/8-male	419
	270.114 G1/8-female	422
	270.113 G1/4-male	425
	270.178 G1/4-female	431

**Item no.** 102.028.175.\* **Material** Vinyl (bl) 2 mm



**Item no.** 102.028.375.\* **Material** SI (tr) 2 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

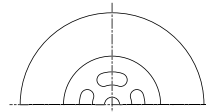


Item no.	Connection	see page
270.459	M6-male	414
270.480	G1/8-male	420
270.479	G1/8-female	423

**Item no.**  
102.028.159.\*

**Material**  
Vinyl (bl)

4 mm



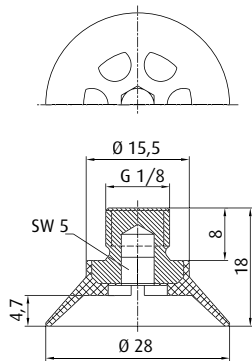
Item no.	Connection	see page
270.251	G1/8-female	423
270.501-S	G1/8-female	424
270.506-S	G1/4-male	428
270.505-S	G3/8-male	434

**Item no.**  
102.028.194.\*

**Material**  
NBR (sw)

3 mm

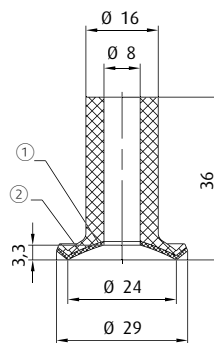
This vacuum cup is also available in the following dimensions: 20 mm



**Item no.**  
103.030.024.\*

**Material**  
NBR (gr), NR (br)

4.5 mm



Item no.	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.208	G1/4-male	425
270.178	G1/4-female	431

**NON-MARKING!**  
TEMP. MAX. 500 °C

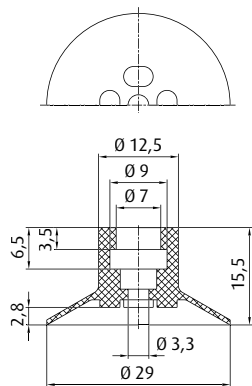
① = Felt pads ② = For silicone vacuum cups with silicone membranes: evaporated aluminium layer

**Item no.**  
26.025.009.\*

**Material**  
SI (tr/ge)

2 mm

Additional sizes available are found on p. 164.

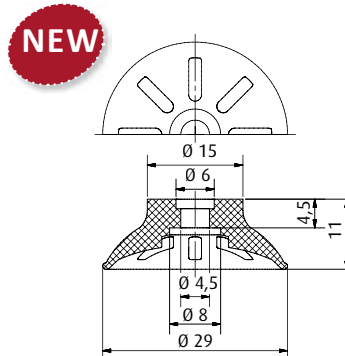


Item no.	Connection	see page
270.030	G1/8-male	419
270.019	G1/8-female	423

**Item no.**  
104.029.053.\*

**Material**  
Vinyl (bl)

4 mm



Item no.	Connection	see page
270.063	G1/8-male	419

**Item no.**  
102.029.509.\*

**Material**  
NR (br)

4 mm

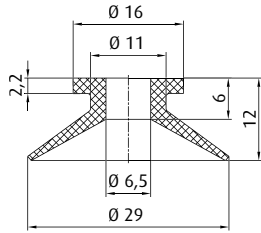
Additional sizes available are found on p. 20.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 29 - 30 mm

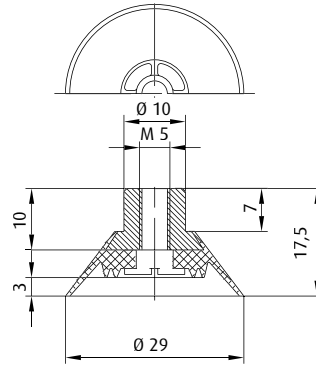


Icon	Connection	see page
	M5-male	411
	G1/8-male	417
	G1/8-female	422
	G1/4-male	425

**Item no.**  
102.029.160.\_\*

**Material**  
Vinyl (bl)

4.5 mm

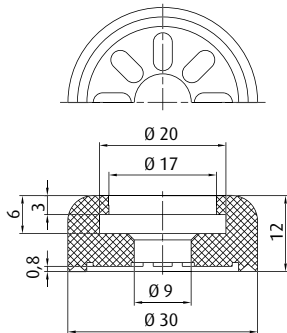


**Item no.**  
150.030.031.\_\*

**Material**  
SI (r), CR (sw)

3 mm

Additional sizes available are found on p. 68.



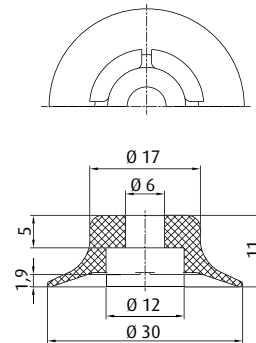
Icon	Connection	see page
	G1/8-female	438

**Item no.**  
102.030.459.\_\*

**Material**  
HNBR (ge), NR (br)

0.8 mm

Additional sizes available are found on p. 70.



Icon	Connection	see page
	M6-male	414
	G1/8-male	420
	G1/8-female	423
	G1/4-male	429
	G1/4-female	433

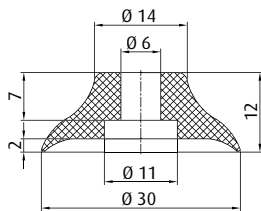
Icon	Thickness	see page
	6 mm	454
	10 mm	454
	15 mm	454
	20 mm	454
	20 mm	456
	30 mm	456
	40 mm	456
	50 mm	456

**Item no.**  
102.030.288.\_\*

**Material**  
NBR (sw), SI (tr), PU (bl), FKM (gr)

2 mm

Additional sizes available are found on p. 38.



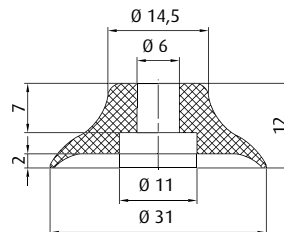
Icon	Connection	see page
	M6-male	414
	G1/8-male	419
	G1/8-female	423
	G1/4-male	427
	G1/4-female	432

**Item no.**  
102.030.053.\_\*

**Material**  
NBR (sw), SI (tr), PU (bl)

2 mm

Additional sizes available are found on p. 32.



Icon	Connection	see page
	M6-male	414
	G1/8-male	419
	G1/8-female	423
	G1/4-male	427
	G1/4-female	432

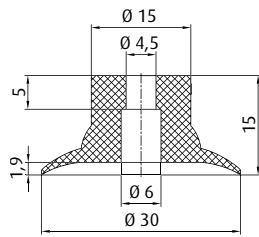
**Item no.**  
102.030.502.\_\*

**Material**  
Thermalon® (bl)

2 mm

Additional sizes available are found on p. 36.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



Item no.	Connection	see page
270.317	M5-male	410
270.103	M6-male	413
270.205	G1/8-male	416
270.109	G1/8-female	421
270.194	G1/4-male	425

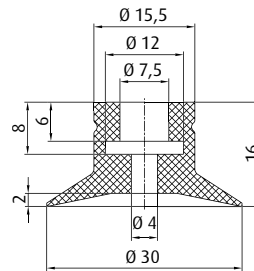
  

Item no.	Connection	see page
50.020	8.5 mm	454

**BESTSELLER**

**Item no. 102.030.222.\*** Material NBR (sw), SI (tr) 2 mm

Additional sizes available are found on p. 50.

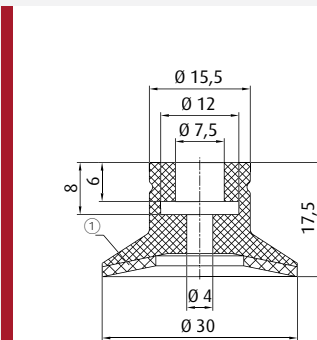


Item no.	Connection	see page
270.012	G1/8-male	421
270.020	G1/8-female	423
270.034	G1/4-male	428
270.038	G1/4-female	432

Item no.	Connection	see page
50.005	5 mm	456
50.145	10 mm	456
50.146	30 mm	456

**Item no. 126.030.013.\*** Material SI (bl), SI (r) 1.5 mm



Item no.	Connection	see page
270.012	G1/8-male	421
270.020	G1/8-female	423
270.034	G1/4-male	428
270.038	G1/4-female	432

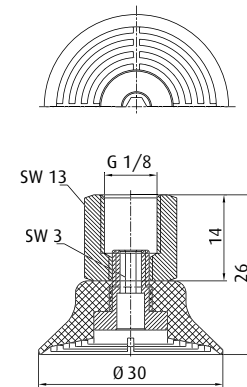
  

Item no.	Connection	see page
50.005	5 mm	456
50.145	10 mm	456
50.146	30 mm	456

① = Silicone sponge

**Item no. 104.030.087.\*** Material SI (b/l/r) 1.5 mm

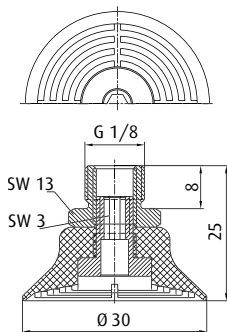
Additional sizes available are found on p. 166.



**NON-SLIP**

**Item no. 100.030.102.\*** Material NBR (sw) 1.8 mm

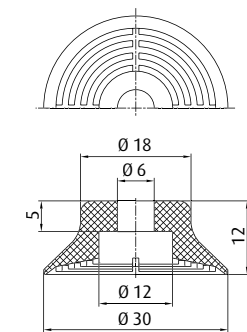
Additional sizes available are found on p. 62.



**NON-SLIP**

**Item no. 100.030.112.\*** Material NBR (sw) 1.8 mm

Additional sizes available are found on p. 62.



Spare cup

**Item no. 104.030.067.\*** Material NBR (sw) 1.8 mm

Item no.	Connection	see page
270.460	M6-male	414
270.482	G1/8-male	420
270.481	G1/8-female	423
270.483	G1/4-male	429
270.484	G1/4-female	433

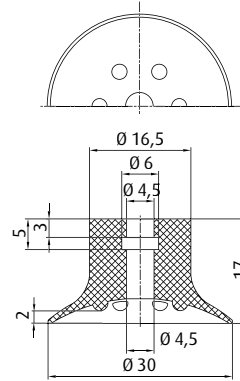
Item no.	Connection	see page
50.085	6 mm	454
50.128	10 mm	454
50.129	15 mm	454
50.095	20 mm	456
50.096	30 mm	456
50.097	40 mm	456
50.098	50 mm	456

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 30 mm

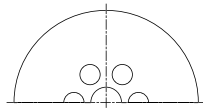


	Connection	see page
270.094	M5-male	411
270.095	G1/8-male	418
270.096	G1/8-female	422

**Item no.**  
102.030.322.\*

**Material**  
Vulkollan® (br)

2 mm



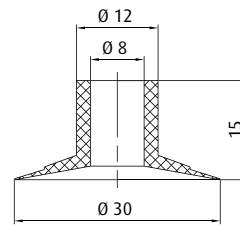
	Connection	see page
270.097	G1/4-male	426
270.098	G1/4-female	432

**Item no.**  
104.030.008.\*

**Material**  
NBR (sw), SI (bl)

3 mm

This vacuum cup is also available in the following dimensions: 10 mm, 15 mm, 18 mm, 24 mm, 40 mm, 50 mm

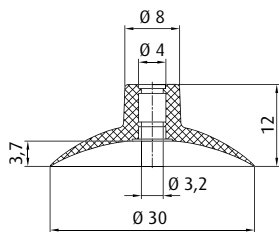


	Connection	see page
270.112	G1/8-male	419
270.113	G1/4-male	425
270.043	G1/4-male	425
270.178	G1/4-female	431

**Item no.**  
107.030.023.\*

**Material**  
NBR (sw), NR (bg)

1 mm



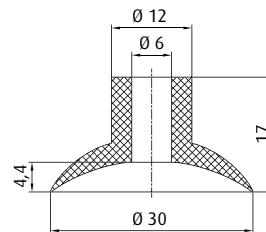
	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.**  
102.030.086.\*

**Material**  
PU (g)

4.5 mm

This vacuum cup is also available in the following dimensions: 22 mm, 25 mm



	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

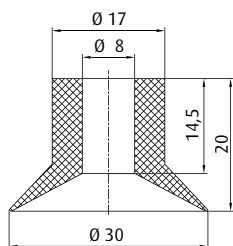
**Item no.**  
112.030.052.\*

**Material**  
NBR (sw), SI (w)

4.5 mm

Additional sizes available are found on p. 52.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

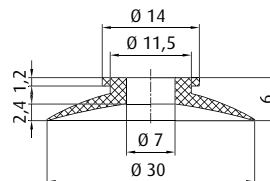


	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.043	G1/4-male	425
270.178	G1/4-female	431

**Item no.**  
115.030.005.\*

**Material**  
NBR (sw), SI (tr), NR (sw),  
NR (bg)

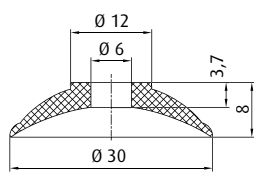
3 mm



**Item no.**  
102.030.178.\*

**Material**  
Vinyl (bl)

3 mm

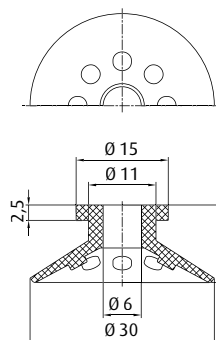


	Connection	see page
270.255	M8-male	415

**Item no.**  
112.030.051.\*

**Material**  
NBR (sw), SI (w)

4 mm



	Connection	see page
270.039	M6-male	414
270.030	G1/8-male	419
270.019	G1/8-female	423
270.274	G1/4-male	427
270.275	G1/4-female	432

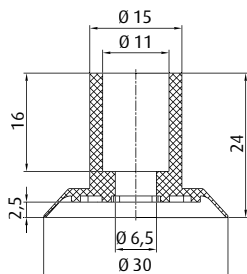
**Item no.**  
104.030.059.\*

**Material**  
Vinyl (bl)

3 mm



	Connection	see page
270.451	G1/4-male	426
270.452	G1/4-female	431



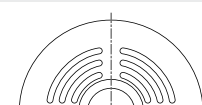
**BESTSELLER**

**Item no.**  
104.030.009.\*

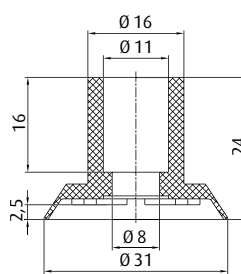
**Material**  
NBR (sw), SI (w), SI (tr), NR (sw)

3 mm

Additional sizes available are found on p. 21.  
This vacuum cup is also available in the following dimensions: 15 mm, 24 mm, 28 mm, 40 mm



	Connection	see page
270.451	G1/4-male	426
270.452	G1/4-female	431



**Item no.**  
104.030.007.\*

**Material**  
SI (tr), NR (sw)

3 mm

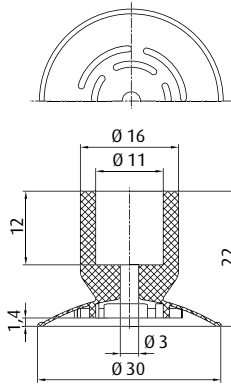
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760





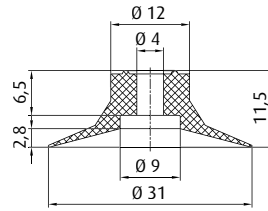
# Vacuum cups by size | Flat vacuum cups by Ø

Ø 30 - 31 mm



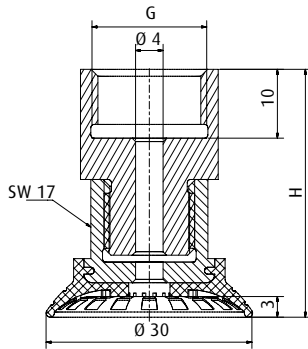
	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

<b>Item no.</b> 102.030.215.*	<b>Material</b> Vulkollan® (br)	2 mm
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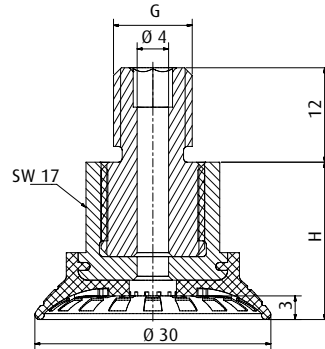
	Connection	see page
270.459	M6-male	414
270.480	G1/8-male	420
270.479	G1/8-female	423

<b>Item no.</b> 102.031.313.*	<b>Material</b> SI (tr)	3 mm
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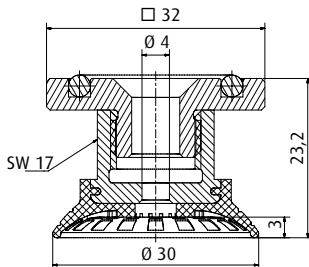
Item no.	Material	[mm]	Connection thread	H [mm]
103.030.031.*	NBR (bl)	3	G1/4-female	20
103.030.032.*	NBR (bl)	3	G3/8-female	36

Additional sizes available are found on p. 64.



Item no.	Material	[mm]	Connection thread	H [mm]
103.030.030.*	NBR (bl)	3	G1/4-male	20
103.030.033.*	NBR (bl)	3	M10-male	20
103.030.034.*	NBR (bl)	3	M14x1.5-male	20

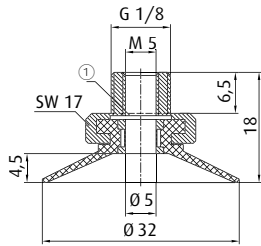
Additional sizes available are found on p. 64.



<b>Item no.</b> 103.030.035.*	<b>Material</b> NBR (bl)	3 mm
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Additional sizes available are found on p. 64.

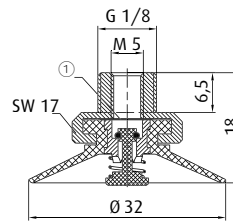
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



① = Filter screen

**Item no.** 120.030.013\_\* **Material** SI (tr), CR (sw) 3.5 mm

Additional sizes available are found on p. 47.



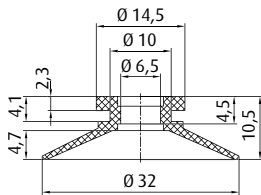
① = Filter screen

**Item no.** 121.030.006\_\* **Material** SI (tr), CR (sw) 2.5 mm

Additional sizes available are found on p. 47.

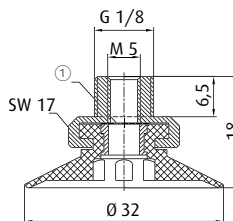
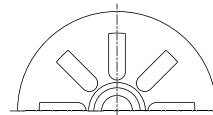


	Connection	see page
270.500-S	M5-female	413
270.250	G1/8-male	418
270.503-S	G1/8-male	418



**Item no.** 102.030.096\_\* **Material** SI (tr), CR (sw) 3.5 mm

Additional sizes available are found on p. 42.



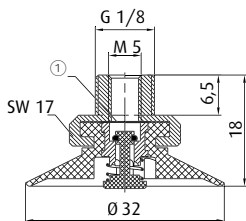
① = Filter screen

**Item no.** 123.030.019\_\* **Material** Tepuflex® (or), SI (tr), CR (sw) 2 mm

Additional sizes available are found on p. 47.



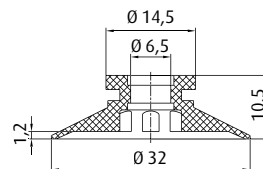
	Connection	see page
270.500-S	M5-female	413
270.250	G1/8-male	418
270.503-S	G1/8-male	418



① = Filter screen

**Item no.** 124.030.002\_\* **Material** SI (tr), CR (sw) 2 mm

Additional sizes available are found on p. 47.



**BESTSELLER**

**Item no.** 125.030.010\_\* **Material** Tepuflex® (or), SI (tr), CR (sw) 2 mm

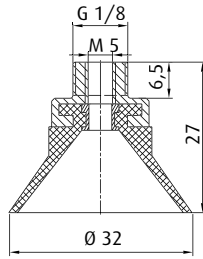
Additional sizes available are found on p. 42.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



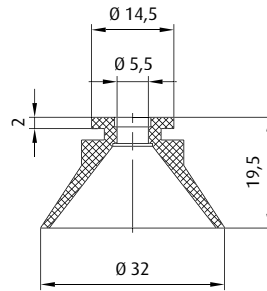
# Vacuum cups by size | Flat vacuum cups by Ø

Ø 32 - 33 mm



**Item no.** 120.032.025\_\* **Material** SI (tr), CR (sw) 5 mm

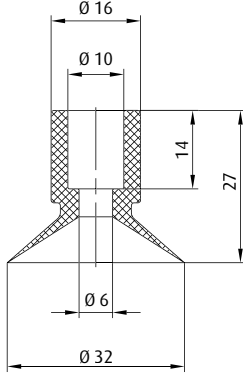
Spare cup



**Item no.** 122.032.036\_\* **Material** SI (tr), CR (sw) 5 mm

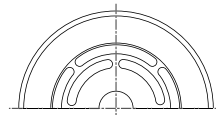
	Connection	see page
	M5-female	413
	G1/8-male	418
	G1/8-female	418

Additional sizes available are found on p. 42.



	Connection	see page
	M10-male	416
	G1/4-male	426
	G1/4-female	431

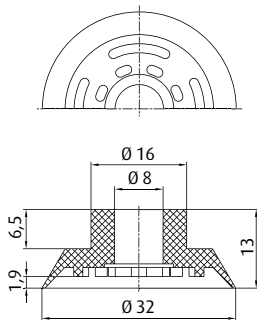
**Item no.** 122.030.034\_\* **Material** SI (tr), NR (sw) 6.5 mm



	Connection	see page
	G1/8-male	419
	G1/8-female	422

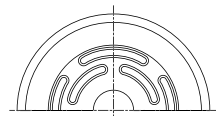
**Item no.** 102.032.104\_\* **Material** NR (bg) 1.8 mm

Additional sizes available are found on p. 21.



	Connection	see page
	G1/4-male	426
	G1/4-female	431

**Item no.** 108.032.002\_\* **Material** SI (tr), NR (bg) 2 mm

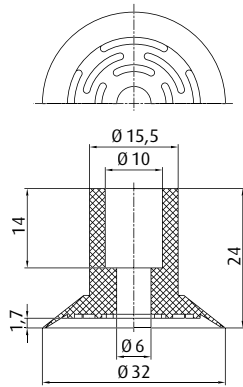


	Connection	see page
	M6-male	414

**Item no.** 102.033.398\_\* **Material** Vinyl (bl) 2 mm

Additional sizes available are found on p. 21.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

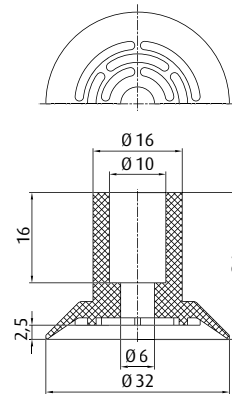


	Connection	see page
270.244	M5-male	410
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
104.032.044.\*

**Material**  
Vinyl (bl)

2 mm



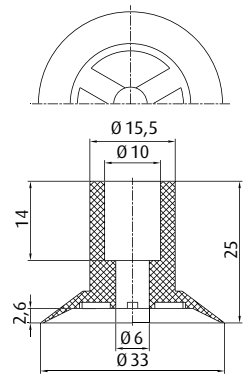
	Connection	see page
270.244	M5-male	410
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
104.033.034.\*

**Material**  
NR (bg), CR (r)

2.5 mm

**Notes:** Especially well-suited for flexible products (foils, leather, veneer)

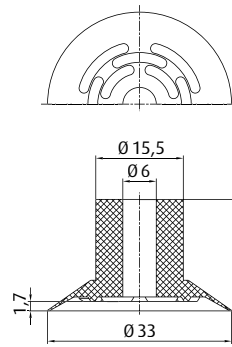


	Connection	see page
270.244	M5-male	410
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
102.033.226.\*

**Material**  
Vinyl (bl)

3 mm

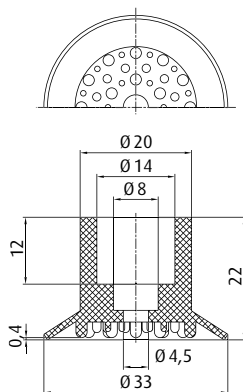


	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

**Item no.**  
104.033.057.\*

**Material**  
Vinyl (bl)

1.5 mm

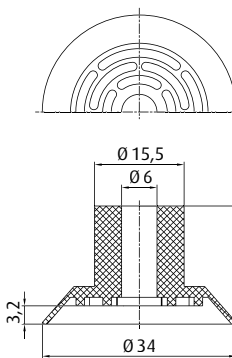


**Item no.**  
102.033.112.\*

**Material**  
NBR (sw), SI (tr)

0.5 mm

**Notes:** Especially well-suited for foils



	Connection	see page
270.030	G1/8-male	419
270.114	G1/8-female	422
270.043	G1/4-male	425
270.178	G1/4-female	431

**Item no.**  
104.034.036.\*

**Material**  
NR (bg)

3 mm

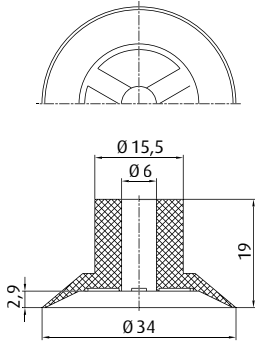
Additional sizes available are found on p. 21.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 34 - 35 mm

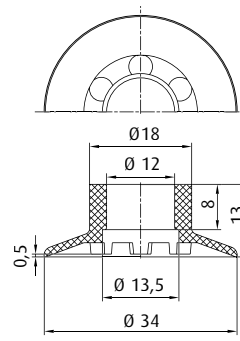


	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

**BESTSELLER**

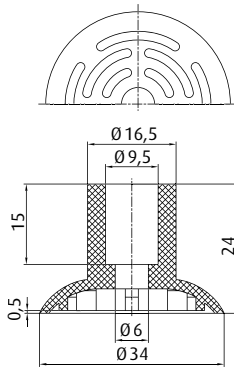
**Item no.** 104.034.054.\* **Material** Vinyl (bl) 3 mm

Additional sizes available are found on p. 21.



	Connection	see page
270.097	G1/4-male	426
270.098	G1/4-female	432

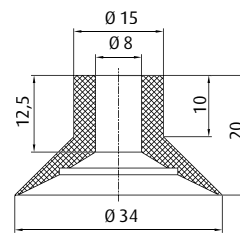
**Item no.** 108.034.003.\* **Material** NR (bg) 1 mm



	Connection	see page
270.244	M5-male	410
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

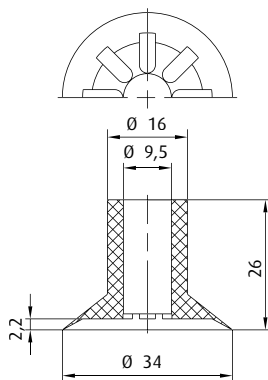
**Item no.** 116.034.001.\* **Material** NR (sw), NR (bg) 0.5 mm

Additional sizes available are found on p. 21.  
**Notes:** Especially well-suited for flexible products (foils, leather, veneer)



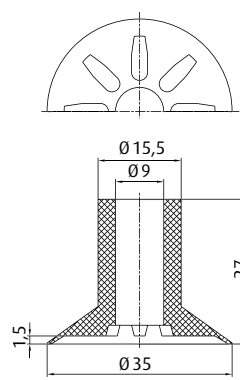
	Connection	see page
270.112	G1/8-male	419
270.114	G1/8-female	422
270.113	G1/4-male	425
270.178	G1/4-female	431

**Item no.** 122.034.038.\* **Material** NR (sw), NR (br) 3 mm



	Connection	see page
270.177	M10-male	416
270.132	G1/8-male	417
270.114	G1/8-female	422
270.208	G1/4-male	425
270.452	G1/4-female	431

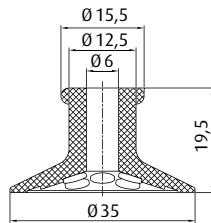
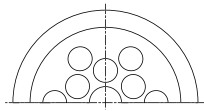
**Item no.** 104.035.048.\* **Material** Vinyl (bl) 2 mm



	Connection	see page
270.177	M10-male	416
270.132	G1/8-male	417
270.114	G1/8-female	422
270.208	G1/4-male	425
270.452	G1/4-female	431

**Item no.** 104.035.050.\* **Material** Vinyl (bl) 2 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

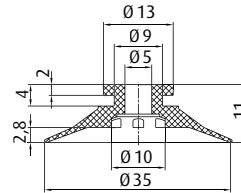
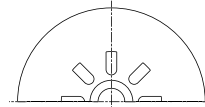


	Connection	see page
270.030	G1/8-male	419
270.114	G1/8-female	422
270.043	G1/4-male	425
270.178	G1/4-female	431

**Item no.**  
104.035.038.\_\*

**Material**  
NR (bg)

1 mm

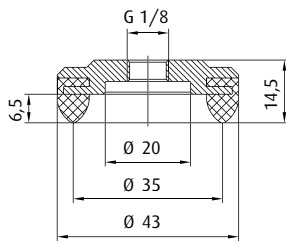


	Connection	see page
270.310	M5-male	411
270.250	G1/8-male	418

**Item no.**  
102.035.320.\_\*

**Material**  
NR (sw)

2.8 mm



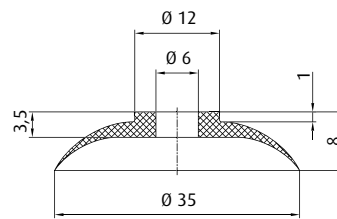
**Item no.**  
160.042.001.\_\*

**Material**  
EPDM (sw)

1 mm

Additional sizes available are found on p. 72.

**Notes:** Foam sealing lip equalises product unevenness

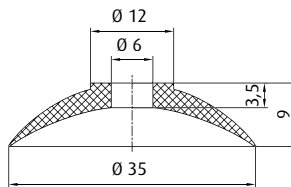


	Connection	see page
270.250	G1/8-male	418

**Item no.**  
112.035.059.\_\*

**Material**  
SI (tr), NR (sw)

3 mm



	Connection	see page
270.039	M6-male	414

**Item no.**  
112.035.065.\_\*

**Material**  
SI (tr)

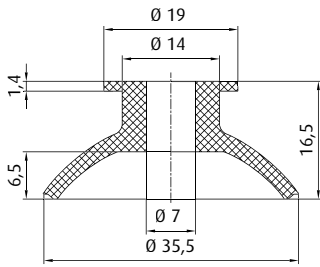
5.5 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 35 - 36 mm

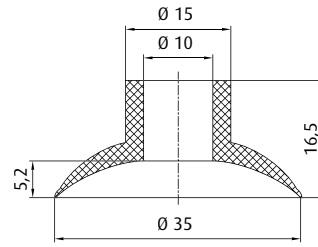


	Connection	see page
270.030	G1/8-male	419
270.019	G1/8-female	423
270.274	G1/4-male	427

**Item no.**  
102.035.176.\*

**Material**  
Vinyl (bl)

6 mm



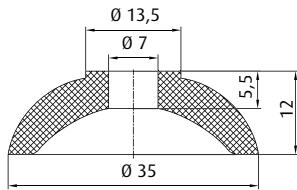
	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
112.035.060.\*

**Material**  
NBR (sw), SI (w), NR (sw)

5 mm

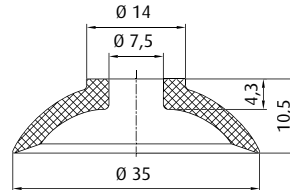
Additional sizes available are found on p. 52.



**Item no.**  
112.035.064.\*

**Material**  
NR (sw), NR (bg)

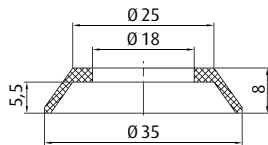
5 mm



**Item no.**  
115.035.007.\*

**Material**  
NBR (sw), SI (tr), NR (sw)

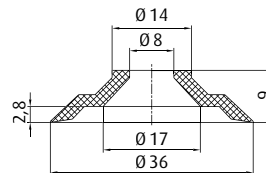
5 mm



**Item no.**  
107.035.055.\*

**Material**  
NR (bg)

4 mm



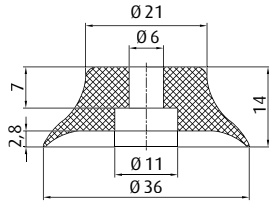
	Connection	see page
270.255	M8-male	415

**Item no.**  
102.036.106.\*

**Material**  
SI (gr)

3 mm

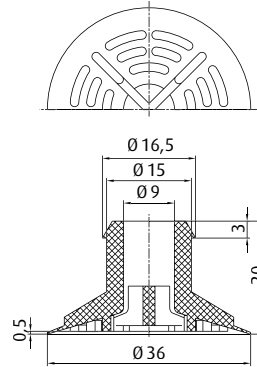
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



Item no.	Connection	see page
270.312/19	M6-male	414
270.030	G1/8-male	419
270.019	G1/8-female	423
270.274	G1/4-male	427
270.275	G1/4-female	432

**Item no.** 102.035.056.\* **Material** NBR (sw), SI (tr) **Thickness** 3 mm

Additional sizes available are found on p. 32.



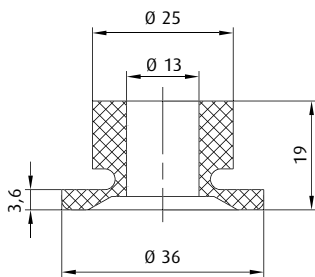
Item no.	Connection	see page
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.** 102.036.342.\* **Material** SI (tr) **Thickness** 0.5 mm

Additional sizes available are found on p. 21.

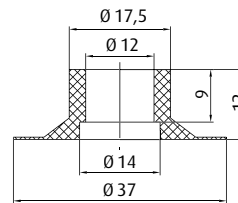
**Notes:** Especially well-suited for foils

This vacuum cup is also available in the following dimensions: 27 mm



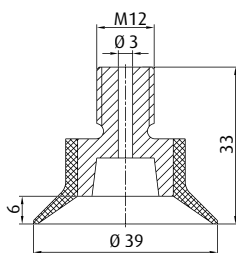
Item no.	Connection	see page
270.207	G1/4-male	426

**Item no.** 107.036.037.\* **Material** NR (br) **Thickness** 1.5 mm

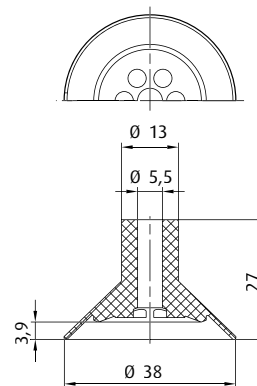


Item no.	Connection	see page
270.097	G1/4-male	426
270.098	G1/4-female	432

**Item no.** 107.037.027.\* **Material** NR (br) **Thickness** 0 mm



**Item no.** 120.038.021.\* **Material** NR (sw) **Thickness** 3 mm



Item no.	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

**Item no.** 104.038.039.\* **Material** PU (br), Vinyl (bl) **Thickness** 3.5 mm

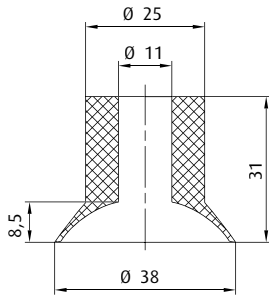
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760





# Vacuum cups by size | Flat vacuum cups by Ø

Ø 38 - 40 mm

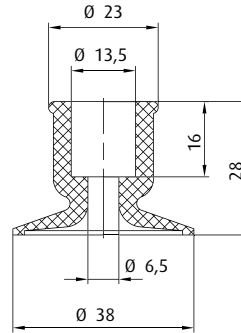


Icon	Connection	see page
	G1/4-male	426

**Item no.**  
102.038.157.\*

**Material**  
Vinyl (bl)

6 mm

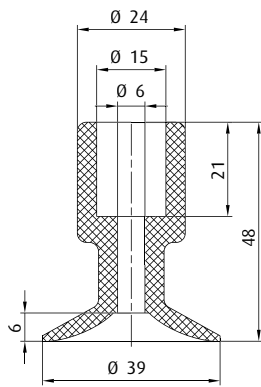


Icon	Connection	see page
	G1/4-male	426

**Item no.**  
102.038.136.\*

**Material**  
NR (bg)

2.5 mm

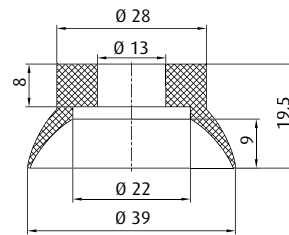


Icon	Connection	see page
	G1/4-female	432

**Item no.**  
102.039.154.\*

**Material**  
NR (bg)

2 mm

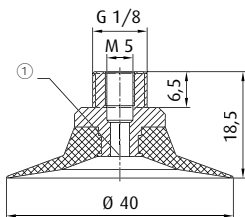


Icon	Connection	see page
	G1/4-male	430

**Item no.**  
112.039.069.\*

**Material**  
NR (bg)

5 mm



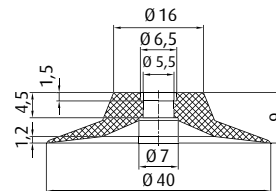
① = Filter screen

**Item no.**  
120.040.084.\*

**Material**  
CR (sw)

2.5 mm

Spare cup



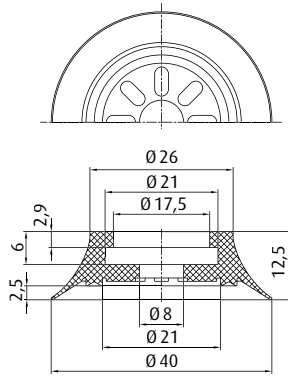
Icon	Connection	see page
	M5-female	413
	G1/8-male	418
	G1/8-male	418

**Item no.**  
102.040.310.\*

**Material**  
CR (sw)

2 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

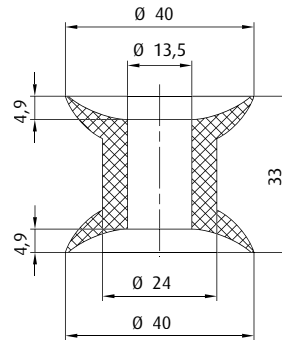


	Connection	see page
270.234	G1/8-female	438

**FLEXIBLE LIP**

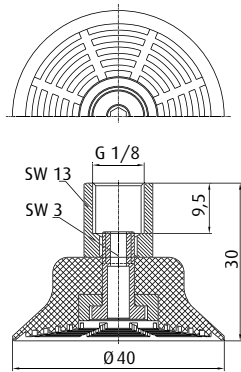
**Item no.** 102.040.357.\* **Material** SI (tr), NR (br) 3 mm

Additional sizes available are found on p. 66.



	Connection	see page
270.116	G1/4-female	432

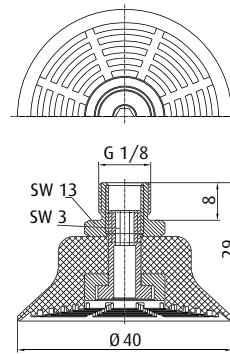
**Item no.** 102.039.235.\* **Material** NR (br) 5 mm



**NON-SLIP**

**Item no.** 100.040.103.\* **Material** NBR (sw) 2.5 mm

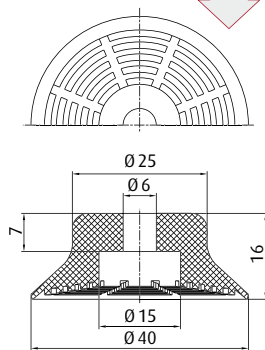
Additional sizes available are found on p. 62.



**NON-SLIP**

**Item no.** 100.040.113.\* **Material** NBR (sw) 2.5 mm

Additional sizes available are found on p. 62.



	Connection	see page
270.498	M6-male	414
270.486	G1/8-male	420
270.485	G1/8-female	423
270.487	G1/4-male	429
270.488	G1/4-female	434

	see page
50.170	20 mm
50.171	30 mm
50.172	40 mm
50.173	50 mm

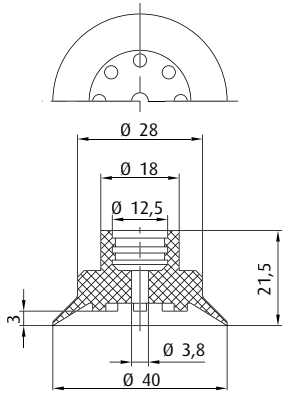
**Item no.** 104.040.068.\* **Material** NBR (sw) 2.5 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 40 mm



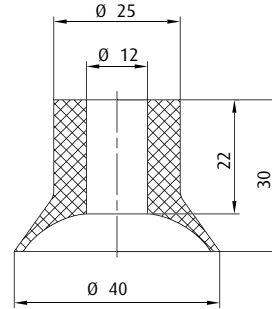
Icon	Connection	see page
	270.097 G1/4-male	426
	270.098 G1/4-female	432

**Item no.**  
104.040.014.\*

**Material**  
NBR (sw)

2.5 mm

This vacuum cup is also available in the following dimensions: 10 mm, 15 mm, 18 mm, 24 mm, 30 mm, 50 mm

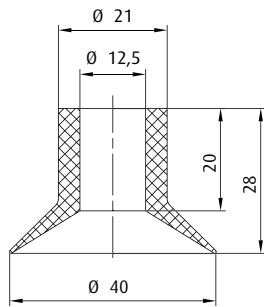


Icon	Connection	see page
	270.049-1 G1/4-male	426

**Item no.**  
122.040.001.\*

**Material**  
NBR (sw), SI (tr), NR (bg)

5 mm

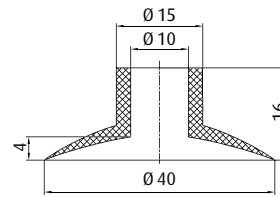


Icon	Connection	see page
	270.049-1 G1/4-male	426

**Item no.**  
122.040.044.\*

**Material**  
SI (tr), NR (bg)

4.5 mm



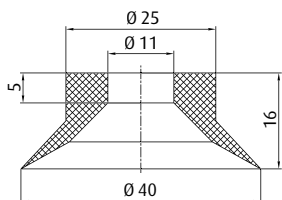
Icon	Connection	see page
	270.177 M10-male	416
	270.451 G1/4-male	426
	270.452 G1/4-female	431

**Item no.**  
112.040.071.\*

**Material**  
NBR (sw), SI (tr)

4 mm

Additional sizes available are found on p. 52.

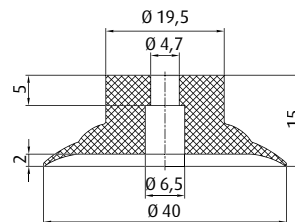


Icon	Connection	see page
	270.256 M8-male	415
	270.252 G1/8-female	424

**Item no.**  
126.040.016.\*

**Material**  
SI (tr), NR (bg), PU (bl)

5 mm



Icon	Connection	see page
	270.317 M5-male	410
	270.103 M6-male	413
	270.205 G1/8-male	416
	270.109 G1/8-female	421
	270.194 G1/4-male	425

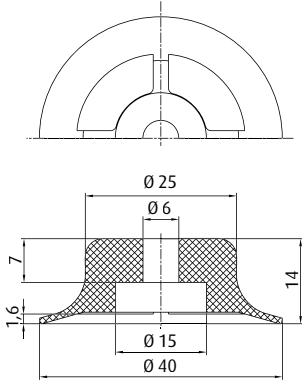
**Item no.**  
102.040.223.\*

**Material**  
NBR (sw), SI (tr)

2 mm

Additional sizes available are found on p. 50.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

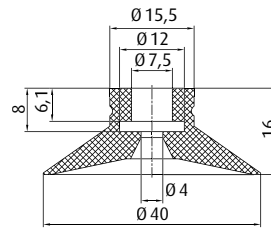


Item no.	Connection	see page
270.498	M6-male	414
270.486	G1/8-male	420
270.485	G1/8-female	423
270.487	G1/4-male	429
270.488	G1/4-female	434

Item no.	Thickness	see page
50.170	20 mm	456
50.171	30 mm	456
50.172	40 mm	456
50.173	50 mm	456

<b>Item no.</b> 102.040.289.*	<b>Material</b> NBR (sw), SI (tr), PU (bl), FKM (gr)	2 mm
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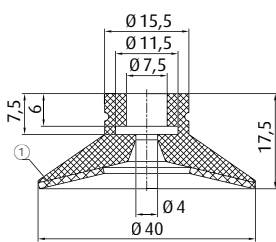
Additional sizes available are found on p. 38.



Item no.	Connection	see page
270.012	G1/8-male	421
270.020	G1/8-female	423
270.034	G1/4-male	428
270.038	G1/4-female	432

Item no.	Thickness	see page
50.005	5 mm	456
50.145	10 mm	456
50.146	30 mm	456

<b>Item no.</b> 102.040.364.*	<b>Material</b> SI (bl)	3 mm
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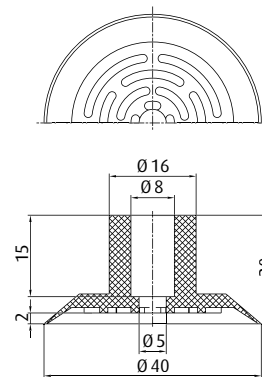
Item no.	Connection	see page
270.012	G1/8-male	421
270.020	G1/8-female	423
270.034	G1/4-male	428
270.038	G1/4-female	432

Item no.	Thickness	see page
50.005	5 mm	456
50.145	10 mm	456
50.146	30 mm	456

① = Silicone sponge

<b>Item no.</b> 104.040.088.*	<b>Material</b> SI (bl/r)	2.5 mm
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Additional sizes available are found on p. 166.



Item no.	Connection	see page
270.112	G1/8-male	419
270.114	G1/8-female	422
270.113	G1/4-male	425
270.178	G1/4-female	431

**BESTSELLER**

<b>Item no.</b> 104.040.018.*	<b>Material</b> SI (tr), NR (sw), NR (br)	2 mm
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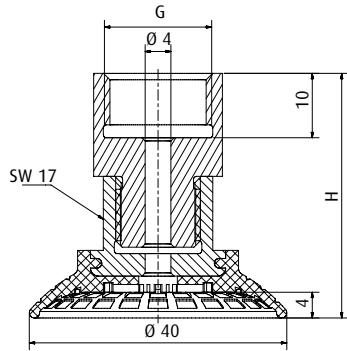
Additional sizes available are found on p. 21.  
This vacuum cup is also available in the following dimensions: 15 mm, 24 mm, 28 mm, 30 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



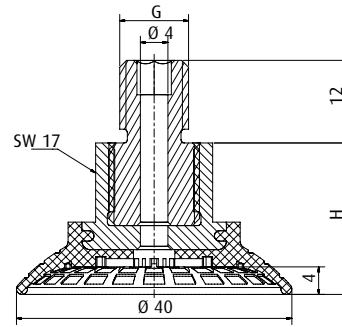
# Vacuum cups by size | Flat vacuum cups by Ø

Ø 42 mm



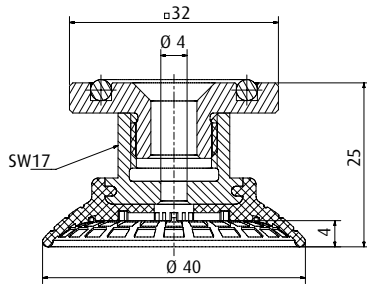
Item no.	Material	SW [mm]	Connection thread	H [mm]
103.040.037.*	NBR (bl)	4	G1/4-female	22
103.040.038.*	NBR (bl)	4	G3/8-female	38

Additional sizes available are found on p. 64.



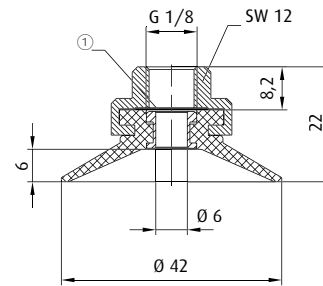
Item no.	Material	SW [mm]	Connection thread	H [mm]
103.040.036.*	NBR (bl)	4	G1/4-male	22
103.040.039.*	NBR (bl)	4	M10-male	22
103.040.040.*	NBR (bl)	4	M14x1.5-male	22

Additional sizes available are found on p. 64.



Item no.	Material	SW [mm]
103.040.041.*	NBR (bl)	4

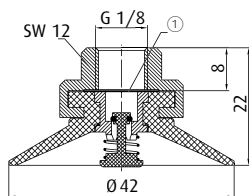
Additional sizes available are found on p. 64.



① = Filter screen

Item no.	Material	SW [mm]
120.040.076.*	SI (tr), CR (sw)	4

Additional sizes available are found on p. 47.

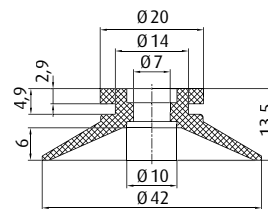


① = Filter screen

Item no.	Material	SW [mm]
121.040.007.*	SI (tr), CR (sw)	4

Additional sizes available are found on p. 47.

Spare cup

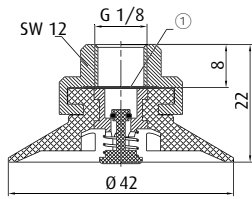


Item no.	Material	SW [mm]
102.040.094.*	SI (tr), CR (sw)	4

Additional sizes available are found on p. 42.

Item no.	Connection	see page
270.251	G1/8-female	423
270.501-S	G1/8-female	424
270.506-S	G1/4-male	428
270.505-S	G3/8-male	434

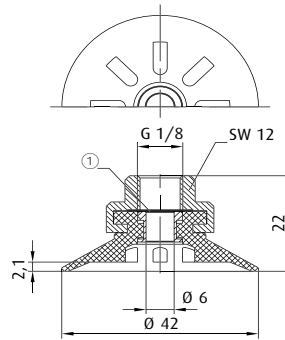
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



① = Filter screen

**Item no.** 124.040.006.\* **Material** SI (tr), CR (sw) 2 mm

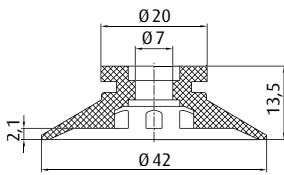
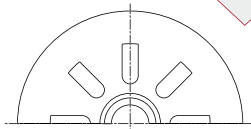
Additional sizes available are found on p. 47.



① = Filter screen

**Item no.** 123.040.028.\* **Material** Tepuflex® (or), SI (tr), CR (sw) 2 mm

Additional sizes available are found on p. 47.



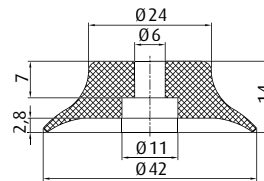
Spare cup

	Connection	see page
270.251	G1/8-female	423
270.501-S	G1/8-female	424
270.506-S	G1/4-male	428
270.505-S	G3/8-male	434

**BESTSELLER**

**Item no.** 125.040.013.\* **Material** Tepuflex® (or), SI (tr), CR (sw) 2 mm

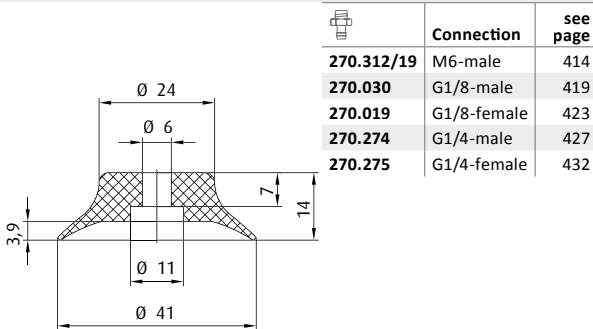
Additional sizes available are found on p. 42.



	Connection	see page
270.312/19	M6-male	414
270.030	G1/8-male	419
270.019	G1/8-female	423
270.274	G1/4-male	427
270.275	G1/4-female	432

**Item no.** 102.040.061.\* **Material** NBR (sw), SI (tr), PU (bl) 3.5 mm

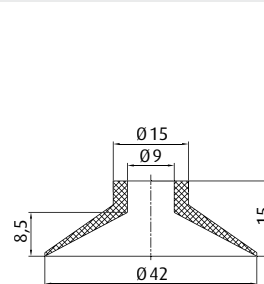
Additional sizes available are found on p. 32.



	Connection	see page
270.312/19	M6-male	414
270.030	G1/8-male	419
270.019	G1/8-female	423
270.274	G1/4-male	427
270.275	G1/4-female	432

**Item no.** 102.040.503.\* **Material** Thermalon® (bl) 3.9 mm

Additional sizes available are found on p. 36.



	Connection	see page
270.034	G1/4-male	428
270.038	G1/4-female	432

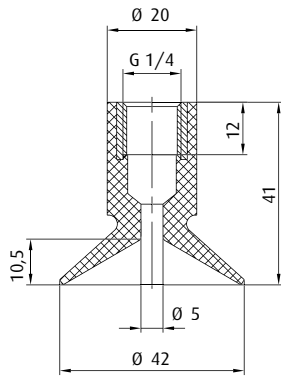
**Item no.** 102.042.232.\* **Material** NR (sw) 7 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



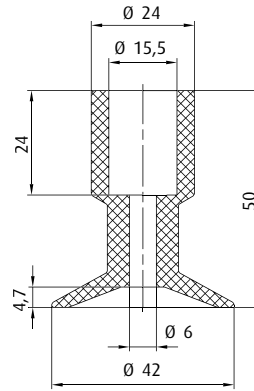
# Vacuum cups by size | Flat vacuum cups by Ø

Ø 42 - 43 mm



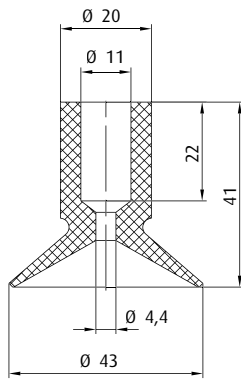
**Item no.** 120.040.032\_\* **Material** SI (tr), NR (sw) 6 mm

This vacuum cup is also available in the following dimensions: 53 mm, 62 mm, 83 mm



**Item no.** 102.042.184\_\* **Material** Vinyl (bl) 4 mm

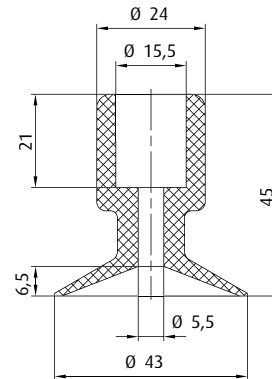
	Connection	see page
270.116	G1/4-female	432



	Connection	see page
270.049-1	G1/4-male	426

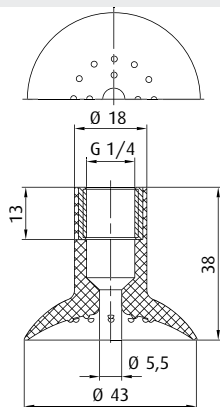
**Item no.** 122.040.043\_\* **Material** SI (tr), NR (sw) 4 mm

Additional sizes available are found on p. 56.



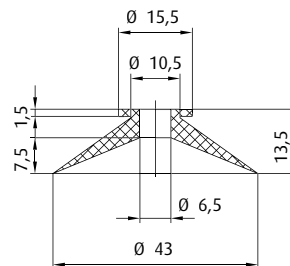
	Connection	see page
270.116	G1/4-female	432

**Item no.** 102.043.252\_\* **Material** NR (br) 7 mm



**Item no.** 110.042.068\_\* **Material** SI (tr), NR (sw) 5 mm

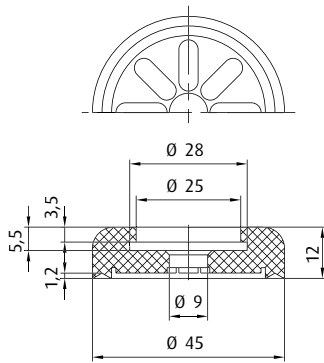
This vacuum cup is also available in the following dimensions: 50 mm, 62 mm, 81 mm, 100 mm



	Connection	see page
270.063	G1/8-male	419
270.061	G1/8-female	422

**Item no.** 102.043.170\_\* **Material** Vinyl (bl) 5 mm

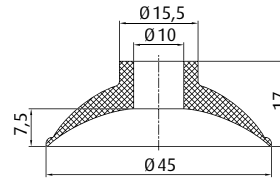
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



Item no.	Connection	see page
270.235	G1/8-female	438

**Item no.** 102.045.460.\* **Material** HNBR (ge), NR (br) 1.2 mm

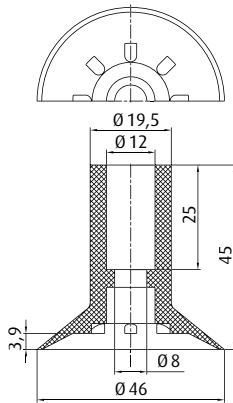
Additional sizes available are found on p. 70.



Item no.	Connection	see page
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.** 112.045.077.\* **Material** NBR (sw), SI (w), NR (sw) 7 mm

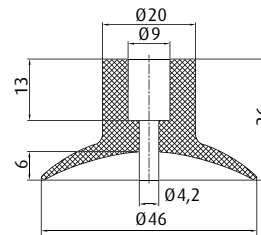
Additional sizes available are found on p. 52.



Item no.	Connection	see page
270.049-1	G1/4-male	426

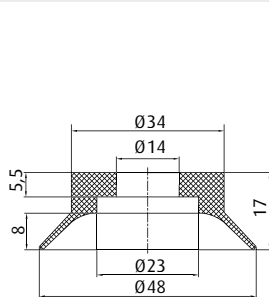
**Item no.** 127.045.002.\* **Material** NR (sw) 5 mm

This vacuum cup is also available in the following dimensions: 65 mm



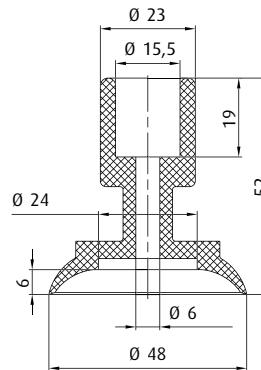
Item no.	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.208	G1/4-male	425

**Item no.** 102.046.046.\* **Material** NBR (sw) 6 mm



Item no.	Connection	see page
270.210	G1/4-male	430

**Item no.** 107.048.031.\* **Material** SI (tr), NR (gr) 5 mm



**Item no.** 115.048.008.\* **Material** NR (sw) 8 mm

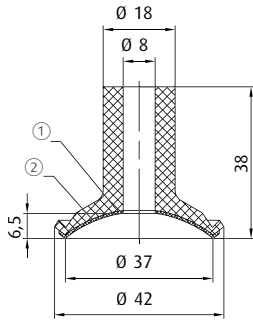
\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760





# Vacuum cups by size | Flat vacuum cups by Ø

Ø 37 - 50 mm



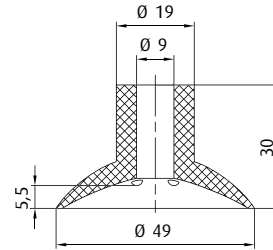
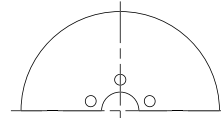
	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.208	G1/4-male	425
270.178	G1/4-female	431

**NON-MARKING!**  
**TEMP. MAX. 500 °C**

① = Felt pads ② = For silicone vacuum cups with silicone membranes: evaporated aluminium layer

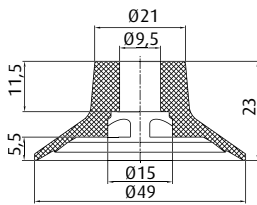
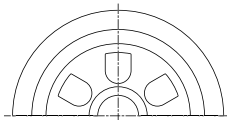
<b>Item no.</b> 26.037.010.*	<b>Material</b> SI (tr/ge)	3 mm
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Additional sizes available are found on p. 164.



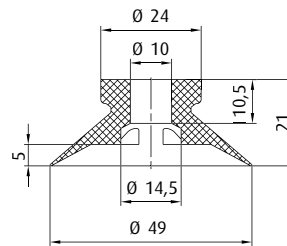
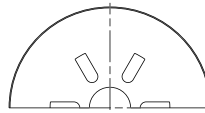
	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.208	G1/4-male	425
270.178	G1/4-female	431

<b>Item no.</b> 102.048.274.*	<b>Material</b> NR (sw)	6 mm
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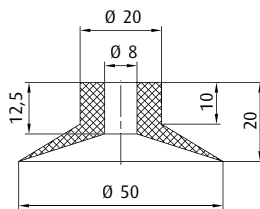
	Connection	see page
270.315	M6-male	414
270.177	M10-male	416
270.540	G1/4-male	429
270.539	G1/4-female	434

<b>Item no.</b> 104.050.022.*	<b>Material</b> NBR (gr), NR (bg)	4.5 mm
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	Connection	see page
270.249	G1/4-male	427
270.248	G1/4-female	433

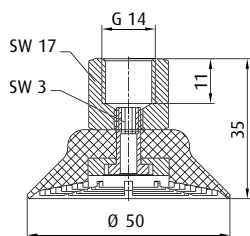
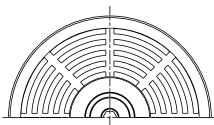
<b>Item no.</b> 127.050.004.*	<b>Material</b> SI (tr), NR (sw), NR (bg)	4 mm
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	Connection	see page
270.114	G1/8-female	422
270.043	G1/4-male	425
270.178	G1/4-female	431

<b>Item no.</b> 126.050.017.*	<b>Material</b> SI (tr), NR (bg)	4 mm
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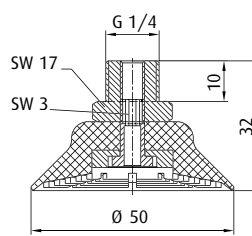
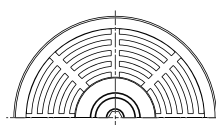
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



**NON-SLIP**

**Item no. 100.050.104.\*** Material NBR (sw) 3.1 mm

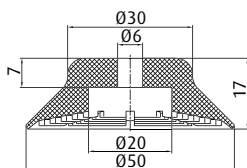
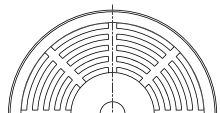
Additional sizes available are found on p. 62.



**NON-SLIP**

**Item no. 100.050.114.\*** Material NBR (sw) 3.1 mm

Additional sizes available are found on p. 62.

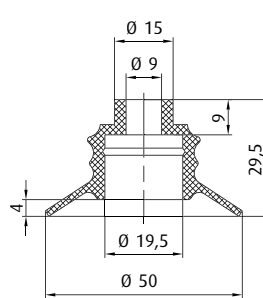


Spare cup

	Connection	see page
270.499	M6-male	414
270.490	G1/8-male	420
270.489	G1/8-female	423
270.491	G1/4-male	429
270.492	G1/4-female	434

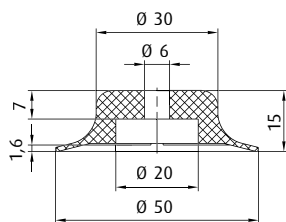
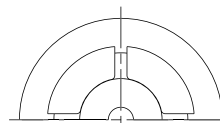
		see page
50.174	20 mm	456
50.175	30 mm	456
50.176	40 mm	456
50.177	50 mm	456

**Item no. 104.050.069.\*** Material NBR (sw) 3.1 mm



	Connection	see page
270.012	G1/8-male	421
270.020	G1/8-female	423

**Item no. 107.050.042.\*** Material NR (sw), NR (br) 6 mm

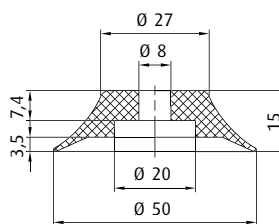


	Connection	see page
270.499	M6-male	414
270.490	G1/8-male	420
270.489	G1/8-female	423
270.491	G1/4-male	429
270.492	G1/4-female	434

		see page
50.174	20 mm	456
50.175	30 mm	456
50.176	40 mm	456
50.177	50 mm	456

**Item no. 102.050.290.\*** Material NBR (sw), SI (tr), PU (bl), FKM (gr) 2 mm

Additional sizes available are found on p. 38.



	Connection	see page
270.490	G1/8-male	420
270.489	G1/8-female	423
270.491	G1/4-male	429
270.492	G1/4-female	434

**Item no. 102.050.065.\*** Material NBR (sw), SI (tr), PU (bl) 4 mm

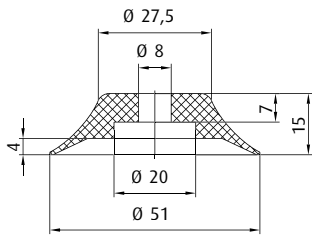
Additional sizes available are found on p. 32.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

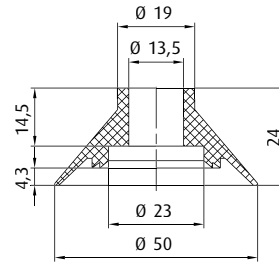
Ø 50 mm



	Connection	see page
270.012	G1/8-male	421
270.020	G1/8-female	423
270.491	G1/4-male	429
270.492	G1/4-female	434

**Item no.** 102.050.504.\* **Material** Thermalon® (bl) 4 mm

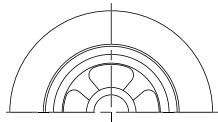
Additional sizes available are found on p. 36.



	Connection	see page
270.184	G1/4-male	431

**BESTSELLER**

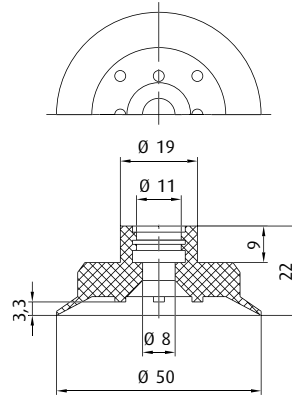
**Item no.** 127.050.003.\* **Material** SI (r), CR (sw) 5 mm



① = Aluminium

**Item no.** 150.050.032.\* **Material** SI (r), FKM (sw), CR (sw) 5.5 mm

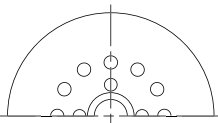
Additional sizes available are found on p. 68.



	Connection	see page
270.097	G1/4-male	426
270.098	G1/4-female	432

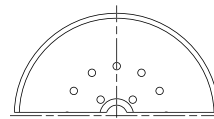
**Item no.** 104.050.064.\* **Material** NBR (sw), SI (tr) 5 mm

This vacuum cup is also available in the following dimensions: 10 mm, 15 mm, 18 mm, 24 mm, 30 mm, 40 mm



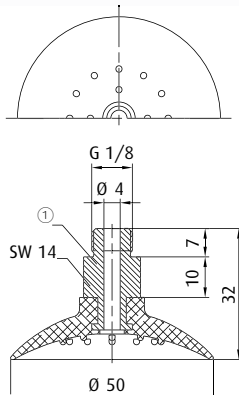
	Connection	see page
270.112	G1/8-male	419
270.114	G1/8-female	422
270.043	G1/4-male	425
270.178	G1/4-female	431

**Item no.** 102.050.433.\* **Material** Vulkollan® (br) 3 mm



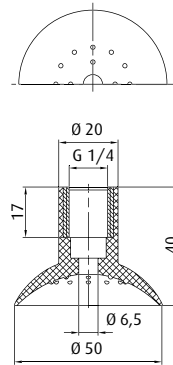
**Item no.** 110.050.080.\* **Material** NR (sw) 4 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



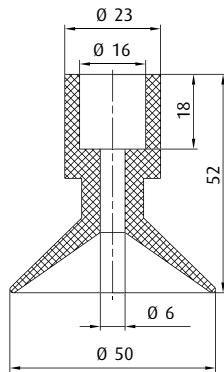
① = Aluminium

**Item no.** 113.050.014.\* **Material** NBR (sw) 5 mm

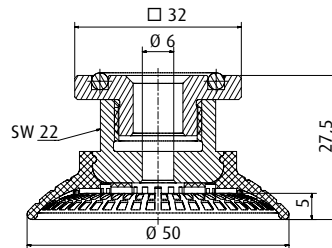


**Item no.** 110.050.078.\* **Material** SI (tr), NR (sw) 9 mm

This vacuum cup is also available in the following dimensions: 43 mm, 62 mm, 81 mm, 100 mm

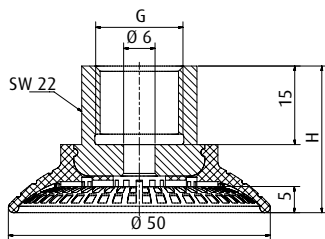


**Item no.** 126.050.018.\* **Material** NR (bg) 10 mm



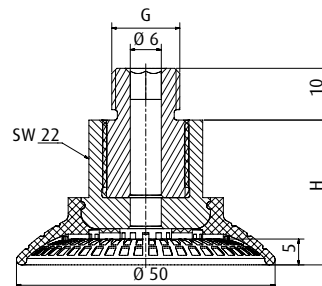
**Item no.** 103.050.047.\* **Material** NBR (bl) 5 mm

Additional sizes available are found on p. 64.



Item no.	Material	[mm]	Connection thread	H [mm]
103.050.043.*	NBR (bl)	5	G1/4-female	33
103.050.044.*	NBR (bl)	5	G3/8-female	28

Additional sizes available are found on p. 64.



Item no.	Material	[mm]	Connection thread	H [mm]
103.050.042.*	NBR (bl)	5	G1/4-male	28
103.050.045.*	NBR (bl)	5	M10-male	28
103.050.046.*	NBR (bl)	5	M14x1.5-male	28

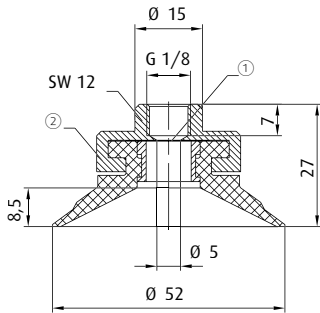
Additional sizes available are found on p. 64.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

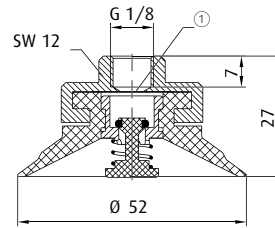
Ø 52 - 53 mm



① = Filter screen ② = Aluminium

**Item no.** 120.050.078\_\* **Material** SI (tr), CR (sw) 6.5 mm

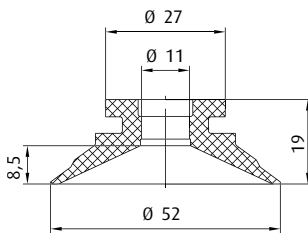
Additional sizes available are found on p. 47.



① = Filter screen

**Item no.** 121.050.008\_\* **Material** SI (tr), CR (sw) 2.5 mm

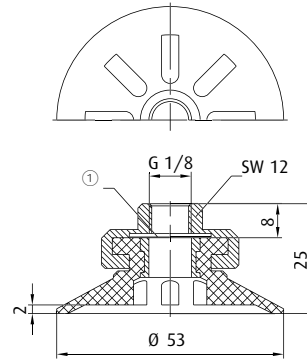
Additional sizes available are found on p. 47.



**Item no.** 102.050.097\_\* **Material** SI (tr), CR (sw) 6.5 mm

Additional sizes available are found on p. 42.

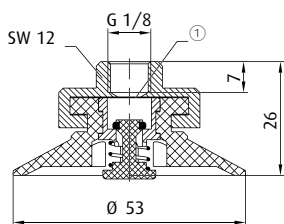
	Connection	see page
270.252	G1/8-female	424
270.502-S	G1/8-female	424
270.504-S	G1/4-male	429
270.507-S	G3/8-male	435



① = Filter screen

**Item no.** 123.050.034\_\* **Material** Tepuflex® (or), SI (tr), CR (sw) 2.5 mm

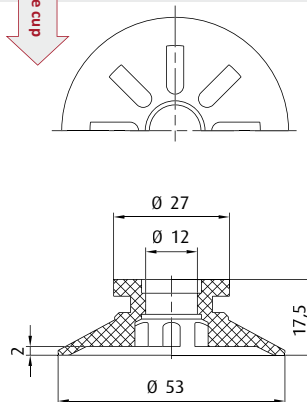
Additional sizes available are found on p. 47.



① = Filter screen

**Item no.** 124.050.009\_\* **Material** SI (tr), CR (sw) 2.5 mm

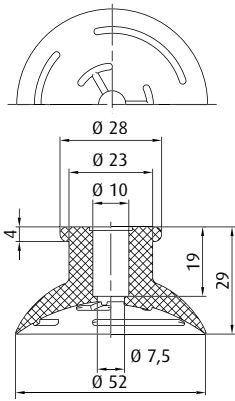
Additional sizes available are found on p. 47.



**Item no.** 125.050.017\_\* **Material** Tepuflex® (or), SI (tr), CR (sw) 2.5 mm

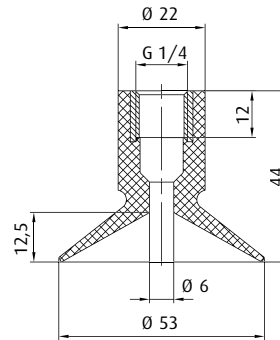
Additional sizes available are found on p. 42.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



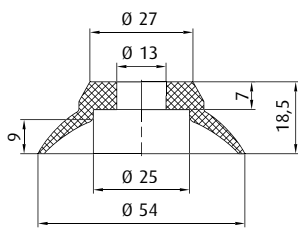
	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.** 114.052.008\_\* **Material** NR (bg) 6 mm



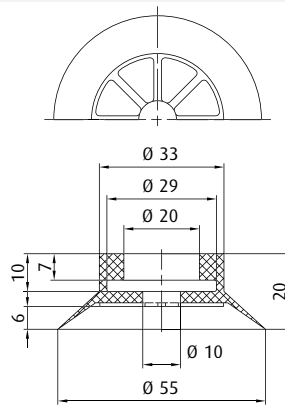
**Item no.** 120.050.040\_\* **Material** SI (tr), NR (sw) 11 mm

This vacuum cup is also available in the following dimensions: 42 mm, 62 mm, 83 mm



	Connection	see page
270.184	G1/4-male	431

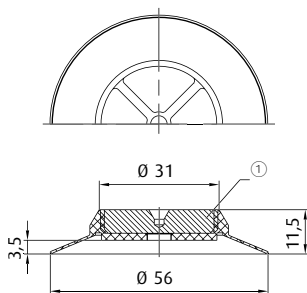
**Item no.** 112.055.086\_\* **Material** PU (bl) 6 mm



	Connection	see page
270.289	G1/8-female	438

**FLEXIBLE LIP**

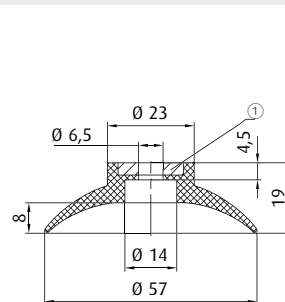
**Item no.** 154.055.060\_\* **Material** NBR (gr) 6 mm



① = Steel

**Item no.** 152.055.092\_\* **Material** NBR (gr) 4 mm

**Ordering notes:** Customised drilling patterns on request



	Connection	see page
270.312/19	M6-male	414

① = Aluminium

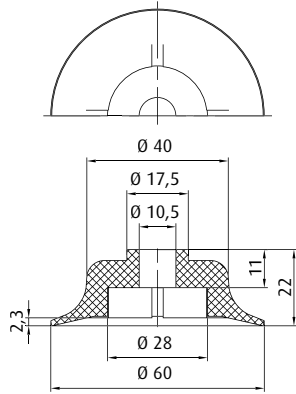
**Item no.** 112.057.087\_\* **Material** NR (sw) 6 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

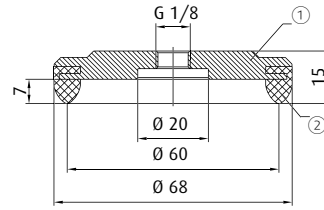
Ø 60 - 62 mm



Connection	see page
M10-male	416

<b>Item no.</b> 102.060.291.*	<b>Material</b> NBR (sw), SI (tr), PU (bl), FKM (gr)	2.5 mm
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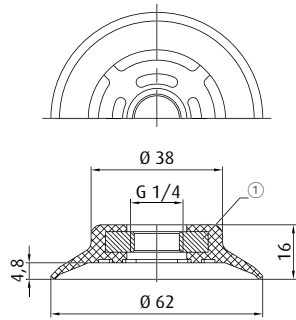
Additional sizes available are found on p. 38.



① = Aluminium ② = EPDM foamed

<b>Item no.</b> 160.067.003.*	<b>Material</b> EPDM (sw)	1 mm
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Additional sizes available are found on p. 72.  
**Notes:** Foam sealing lip equalises product unevenness



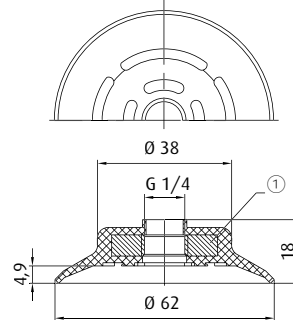
Connection	see page
M10x1.25-female	752
G1/4-male	750

**BESTSELLER**

① = Aluminium

<b>Item no.</b> 102.060.303.*	<b>Material</b> NBR (sw), SI (tr), PU (bl)	5 mm
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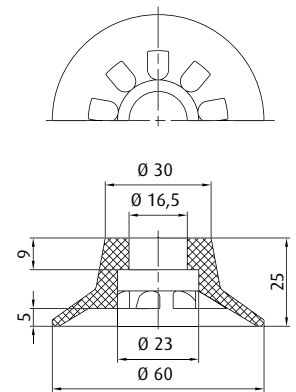
Additional sizes available are found on p. 32.



① = Aluminium

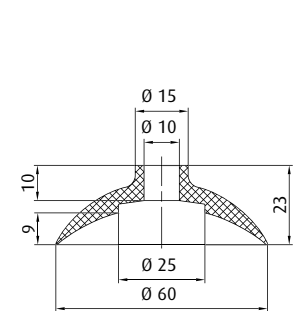
<b>Item no.</b> 102.060.505.*	<b>Material</b> Thermalon® (bl)	4.9 mm
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Additional sizes available are found on p. 36.



Connection	see page
G1/4-male	430

<b>Item no.</b> 104.060.024.*	<b>Material</b> NBR (gr), SBR (br), NR (bg)	4 mm
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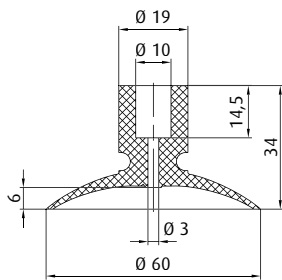


Connection	see page
G1/4-male	431

<b>Item no.</b> 112.060.091.*	<b>Material</b> NBR (sw), SI (tr)	9 mm
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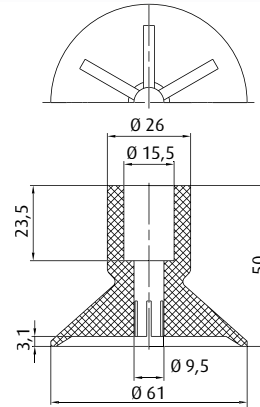
Additional sizes available are found on p. 52.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



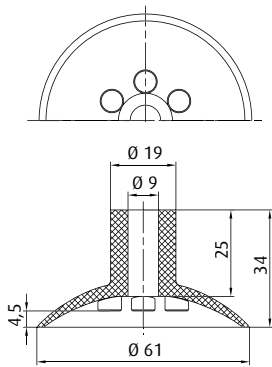
Item no.	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.** 115.060.009.\* **Material** NR (sw) 5 mm



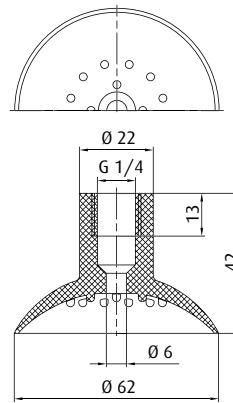
Item no.	Connection	see page
270.116	G1/4-female	432

**Item no.** 104.061.060.\* **Material** Vinyl (bl) 2.5 mm



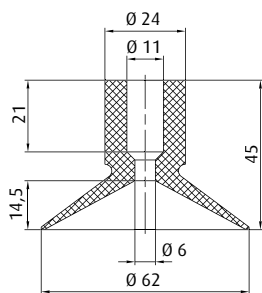
Item no.	Connection	see page
270.208	G1/4-male	425

**Item no.** 114.061.010.\* **Material** SI (tr), NR (sw) 5 mm



**Item no.** 110.060.085.\* **Material** SI (tr), NR (sw) 9.5 mm

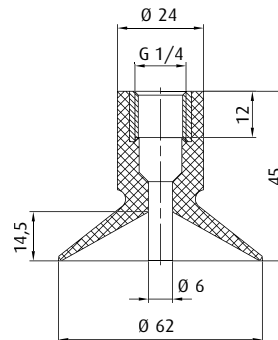
This vacuum cup is also available in the following dimensions: 43 mm, 50 mm, 81 mm, 100 mm



Item no.	Connection	see page
270.049-1	G1/4-male	426

**Item no.** 122.060.059.\* **Material** NBR (sw), SI (tr), NR (sw) 10 mm

Additional sizes available are found on p. 56.



**Item no.** 120.060.045.\* **Material** SI (tr), NR (sw) 10 mm

This vacuum cup is also available in the following dimensions: 42 mm, 53 mm, 83 mm

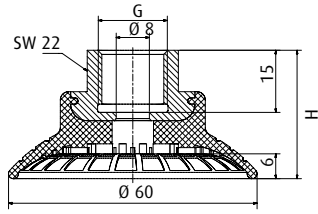
\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760





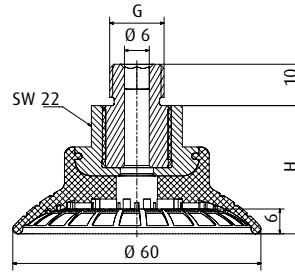
# Vacuum cups by size | Flat vacuum cups by Ø

Ø 63 - 64 mm



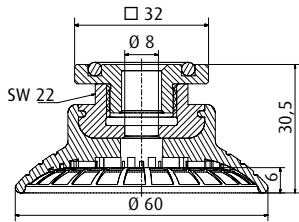
Item no.	Material	SW [mm]	Connection thread	H [mm]
103.060.049.*	NBR (bl)	6	G1/4-female	36
103.060.050.*	NBR (bl)	6	G3/8-female	31

Additional sizes available are found on p. 64.



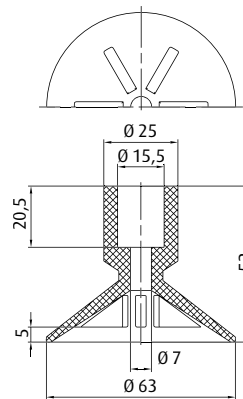
Item no.	Material	SW [mm]	Connection thread	H [mm]
103.060.048.*	NBR (bl)	6	G1/4-male	31
103.060.051.*	NBR (bl)	6	M10-male	31
103.060.052.*	NBR (bl)	6	M14x1.5-male	31

Additional sizes available are found on p. 64.



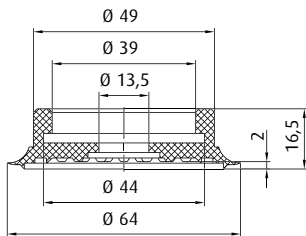
Item no.	Material	SW [mm]
103.060.053.*	NBR (bl)	6 mm

Additional sizes available are found on p. 64.



Item no.	Connection	see page
270.116	G1/4-female	432

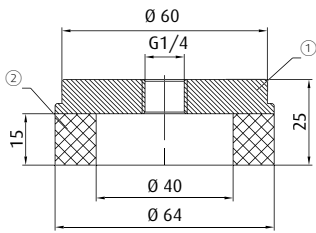
Item no.	Material	SW [mm]
104.063.041.*	NR (bg), CR (r)	6.5 mm



Item no.	Connection	see page
270.262	G1/8-female	438
270.284	G1/4-female	438

Item no.	Material	SW [mm]
154.065.002.*	SI (tr), NR (sw), NR (br), Vinyl (bl)	1.5 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760

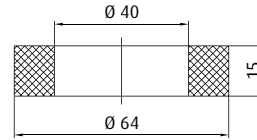


① = Aluminium ② = Sponge rubber NR

<b>Item no.</b> 206.064.006.*	<b>Material</b> Sponge rubber (or)	10 mm
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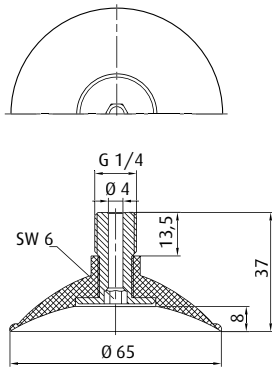
This vacuum cup is also available in the following dimensions: 91 mm

Spare cup

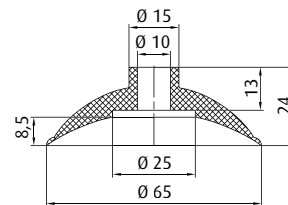


<b>Item no.</b> 208.064.001.*	<b>Material</b> Sponge rubber (or)	10 mm
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This vacuum cup is also available in the following dimensions: 91 mm

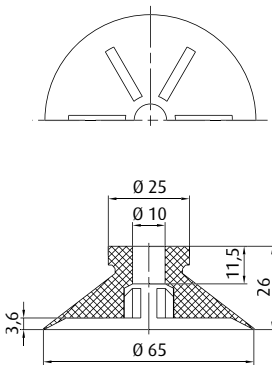


<b>Item no.</b> 110.065.091.*	<b>Material</b> NBR (sw), SI (tr), NR (sw), NR (bg), Vinyl (bl)	7 mm
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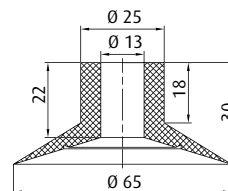


<b>Item no.</b> 112.065.093.*	<b>Material</b> NBR (sw), SI (tr), NR (sw), NR (bg), Vinyl (bl)	7 mm
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	<b>Connection</b>	<b>see page</b>
270.176	G1/4-male	430



<b>Item no.</b> 125.065.026.*	<b>Material</b> SI (tr), NR (sw), NR (bg)	5 mm
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<b>Item no.</b> 126.065.019.*	<b>Material</b> SI (tr), NR (sw)	5 mm
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	<b>Connection</b>	<b>see page</b>
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431


	<b>Connection</b>	<b>see page</b>
270.207	G1/4-male	426

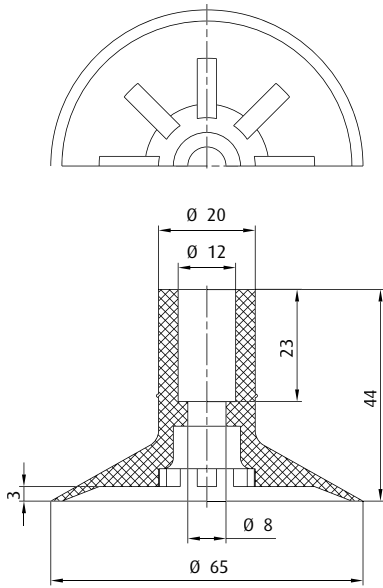
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760




# Vacuum cups by size | Flat vacuum cups by Ø


Ø 65 - 70 mm

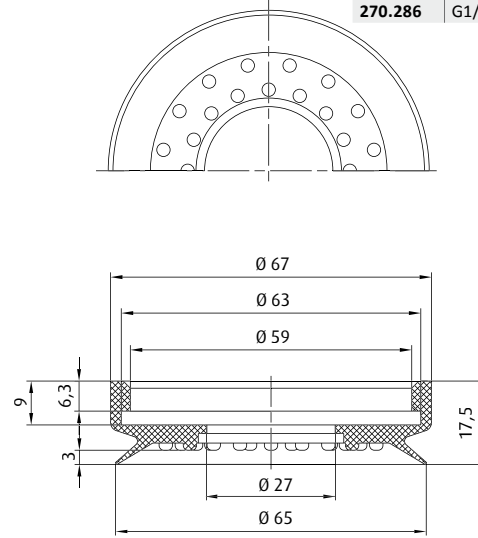
	Connection	see page
270.049-1	G1/4-male	426




<b>Item no.</b> 127.065.006._*	<b>Material</b> SI (tr), NR (sw)	 3 mm
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This vacuum cup is also available in the following dimensions: 46 mm

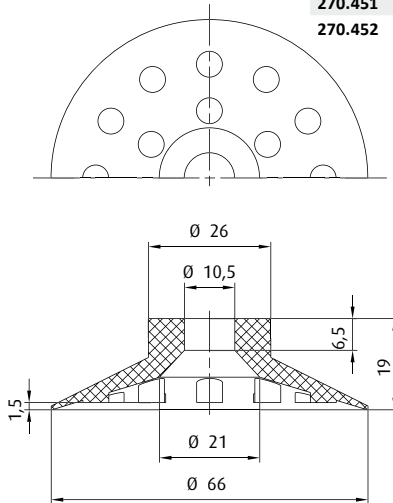
	Connection	see page
270.158	G1/8-female	438
270.264	G1/4-female	438
270.161	G3/8-female	438
270.286	G1/2-female	438





<b>Item no.</b> 154.065.003._*	<b>Material</b> NBR (sw), SI (w), NR (sw)	 3 mm
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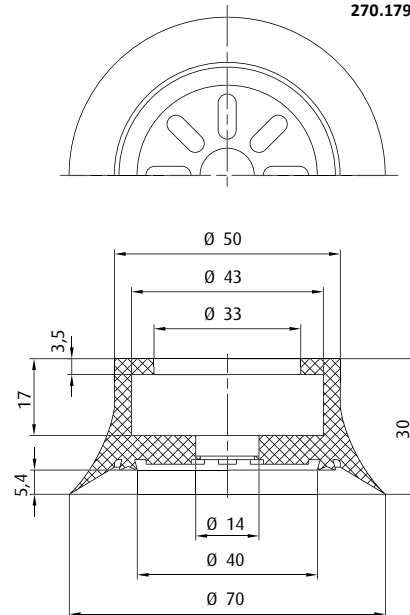
Additional sizes available are found on p. 70.


	Connection	see page
270.256	M8-male	415
270.012	G1/8-male	421
270.020	G1/8-female	423
270.451	G1/4-male	426
270.452	G1/4-female	431



<b>Item no.</b> 125.066.027._*	<b>Material</b> NBR (sw), SI (tr), NR (sw)	 0.5 mm
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	Connection	see page
270.179	G1/4-female	438



<b>Item no.</b> 102.070.234._*	<b>Material</b> NBR (gr), SBR (br), SI (tr), NR (bg), NR (br)	 6 mm
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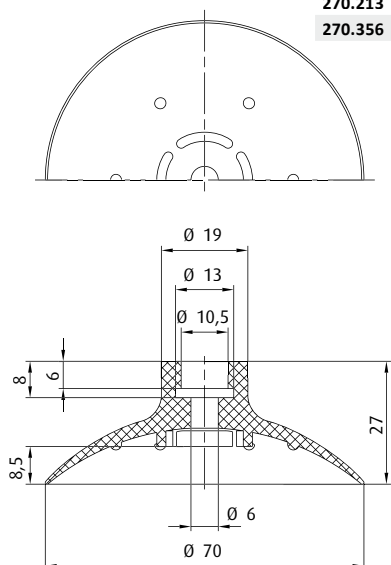
Additional sizes available are found on p. 66.

**BESTSELLER**

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



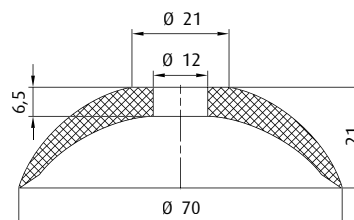
	Connection	see page
270.213	G1/4-male	428
270.356	G1/4-female	433



**Item no.**  
102.070.325.\*

**Material**  
Vulkollan® (br)

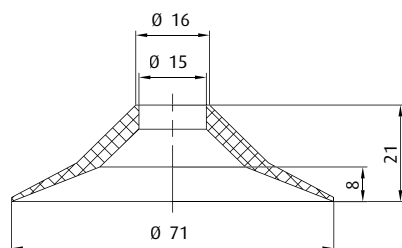
8.5 mm



**Item no.**  
112.070.096.\*

**Material**  
NR (bg)

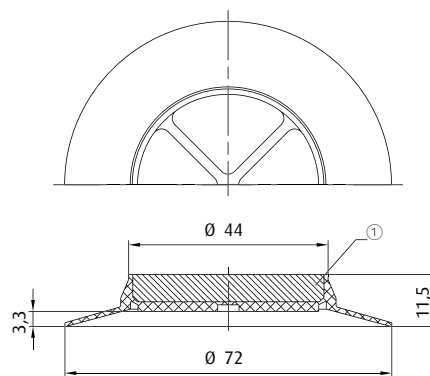
12 mm



**Item no.**  
107.070.029.\*

**Material**  
NR (br)

6 mm



① = Steel

**Item no.**  
152.070.093.\*

**Material**  
NBR (gr)

4 mm

**Ordering notes:** Customised drilling patterns on request

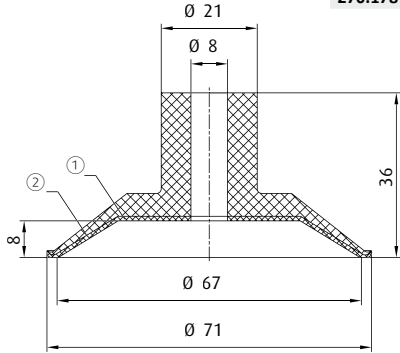
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 70 - 75 mm

	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.208	G1/4-male	425
270.178	G1/4-female	431



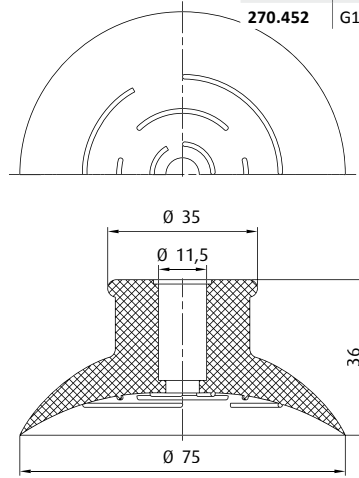
**NON-MARKING!**  
TEMP. MAX. 500 °C

① = Felt pads ② = For silicone vacuum cups with silicone membranes: evaporated aluminium layer

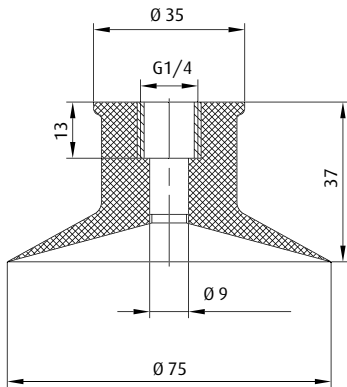
<b>Item no.</b> 26.070.011._*	<b>Material</b> SI (tr/ge)	7 mm
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Additional sizes available are found on p. 164.

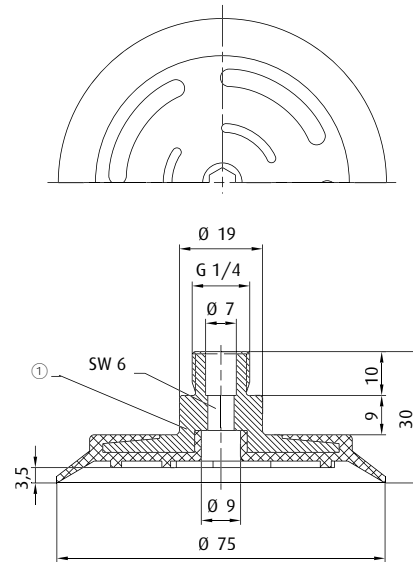
	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431



<b>Item no.</b> 114.075.012._*	<b>Material</b> NR (br)	3.5 mm
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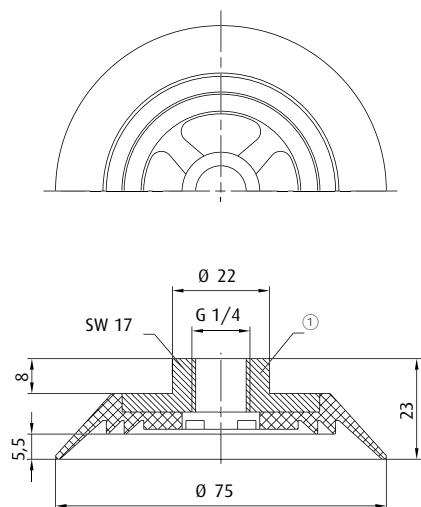
<b>Item no.</b> 120.075.075._*	<b>Material</b> NR (bg)	3 mm
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① = Aluminium

<b>Item no.</b> 103.075.025._*	<b>Material</b> Vulkollan® (br)	3.5 mm
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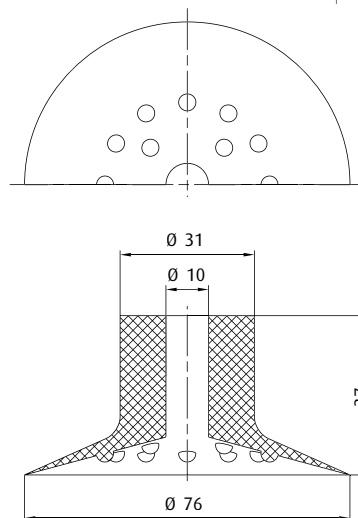
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



① = Aluminium

<b>Item no.</b> 150.075.033.*	<b>Material</b> SI (r), FKM (sw), CR (sw)	6 mm
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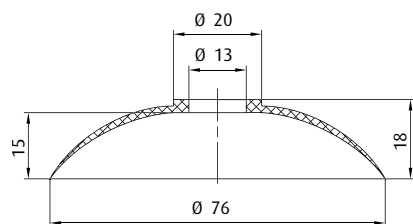
Additional sizes available are found on p. 68.



	Connection	see page
270.044	G1/4-male	426

<b>Item no.</b> 102.075.275.*	<b>Material</b> NR (br)	3 mm
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	Connection	see page
270.183	G1/4-male	431



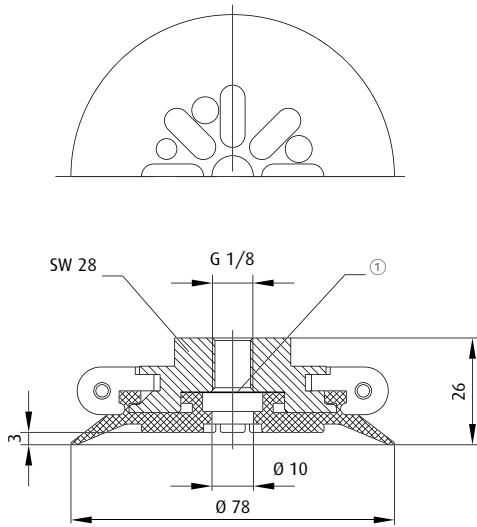
<b>Item no.</b> 102.076.263.*	<b>Material</b> Vinyl (bl)	9 mm
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

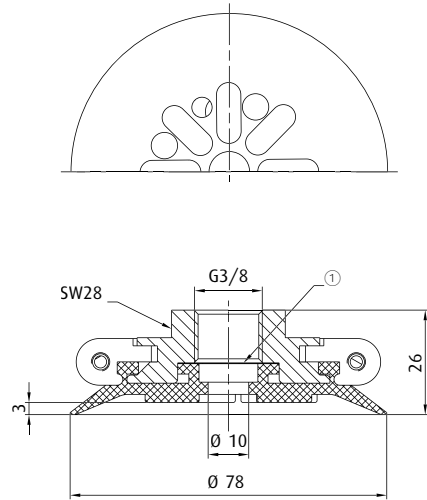
Ø 78 mm



① = Filter screen

**Item no.** 152.078.133.\* **Material** Tepuflex® (or), SI (tr), CR (sw) 3 mm

Additional sizes available are found on p. 47.



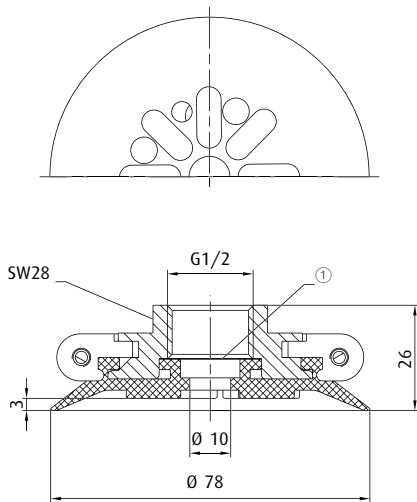
① = Filter screen

**Item no.** 152.078.136.\* **Material** Tepuflex® (or), SI (tr), CR (sw) 3 mm

Additional sizes available are found on p. 47.

Spare cup

Spare cup

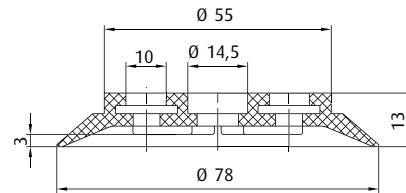
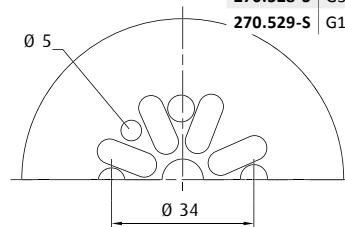


① = Filter screen

**Item no.** 152.078.139.\* **Material** Tepuflex® (or), SI (tr), CR (sw) 3 mm

Additional sizes available are found on p. 47.

Spare cup

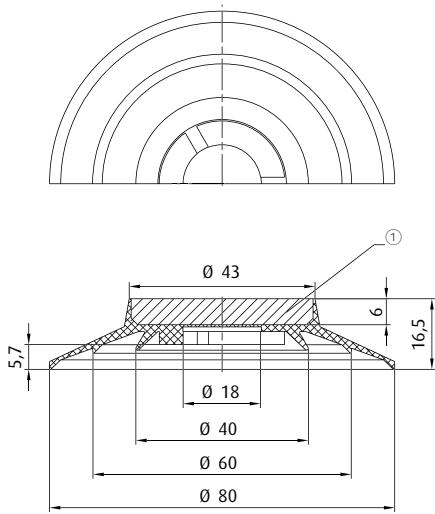


	Connection	see page
	G1/8-female	424
	G3/8-female	436
	G1/2-female	436

**Item no.** 154.078.027.\* **Material** Tepuflex® (or), SI (tr), CR (sw) 3 mm

Additional sizes available are found on p. 42.

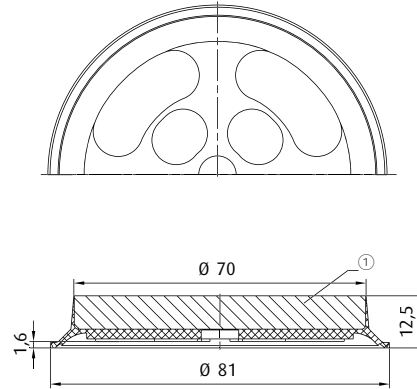
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



① = Steel

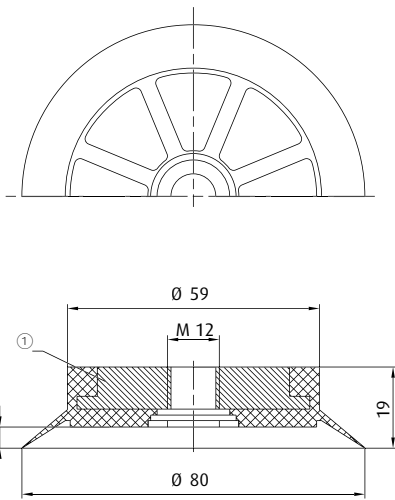
<b>Item no.</b> 104.080.078._*	<b>Material</b> SBR (br)	4.5 mm
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**Notes:** Use: Picking up products of varying sizes



① = Steel

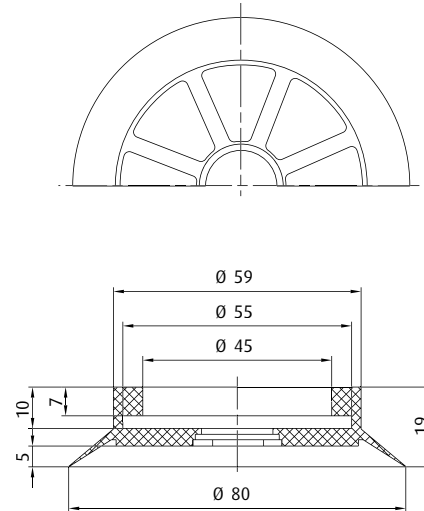
<b>Item no.</b> 152.080.069._*	<b>Material</b> SBR (sw)	1 mm
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① = Aluminium

<b>Item no.</b> 152.080.083._*	<b>Material</b> NBR (sw), SI (tr), NR (sw)	6 mm
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Spare cup



<b>Item no.</b> 154.080.055._*	<b>Material</b> NBR (sw), SI (tr), NR (sw)	6 mm
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	<b>Connection</b>	<b>see page</b>
270.338	M12x1.75-female	438


\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

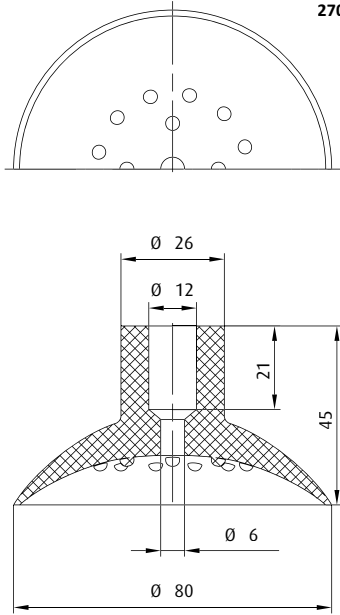




# Vacuum cups by size | Flat vacuum cups by Ø


Ø 80 - 83 mm

	Connection	see page
270.049-1	G1/4-male	426

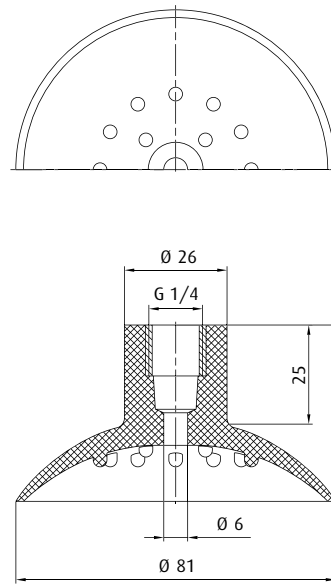


**Item no.**  
114.080.020.\*

**Material**  
NR (sw)


 9 mm

This vacuum cup is also available in the following dimensions: 100 mm




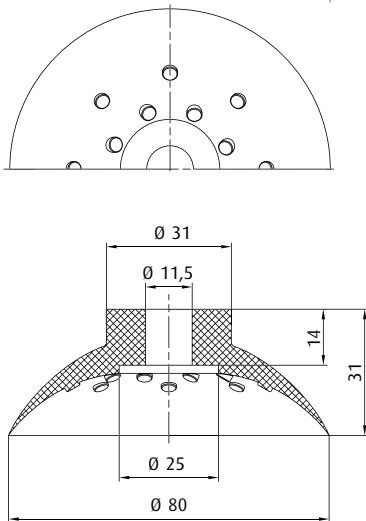
**Item no.**  
110.080.095.\*

**Material**  
SI (tr), NR (sw)

 10 mm


This vacuum cup is also available in the following dimensions: 43 mm, 50 mm, 62 mm, 100 mm

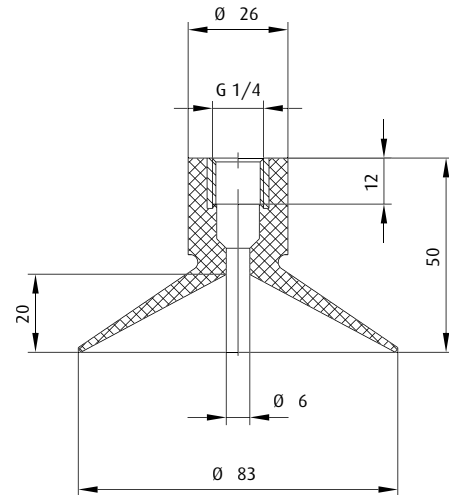
	Connection	see page
270.042	G1/4-male	431



**Item no.**  
114.080.021.\*


**Material**  
NR (br)

 9 mm



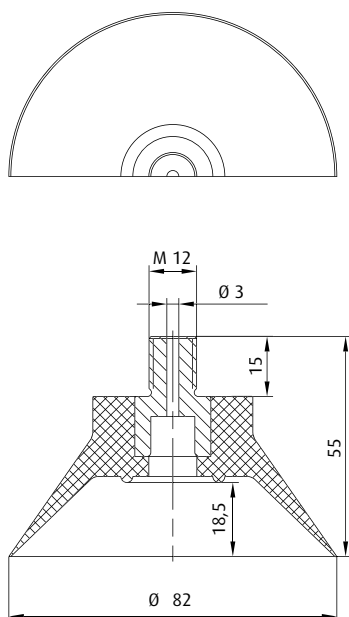
**Item no.**  
120.080.052.\*

**Material**  
SI (tr), NR (sw)

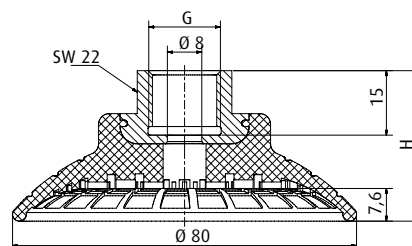
 12 mm

This vacuum cup is also available in the following dimensions: 42 mm, 53 mm, 62 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

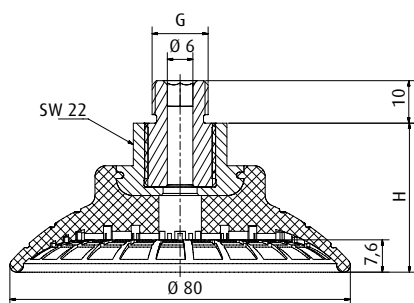


<b>Item no.</b> 120.082.063.*	<b>Material</b> NR (sw)	18.5 mm
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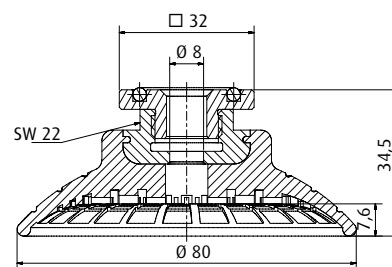
Item no.	Material	[mm]	Connection thread	H [mm]
103.080.055.*	NBR (bl)	7.6	G1/4-female	40
103.080.056.*	NBR (bl)	7.6	G3/8-female	35

Additional sizes available are found on p. 64.



Item no.	Material	[mm]	Connection thread	H [mm]
103.080.054.*	NBR (bl)	7.6	G1/4-male	35
103.080.057.*	NBR (bl)	7.6	M10-male	35
103.080.058.*	NBR (bl)	7.6	M14x1.5-male	35

Additional sizes available are found on p. 64.



<b>Item no.</b> 103.080.059.*	<b>Material</b> NBR (bl)	7.6 mm
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Additional sizes available are found on p. 64.

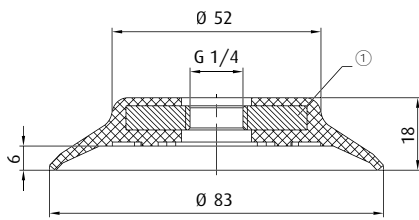
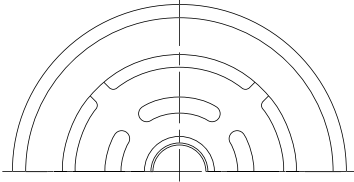
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760




# Vacuum cups by size | Flat vacuum cups by Ø

Ø 83 - 87 mm

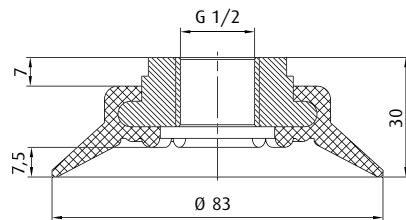
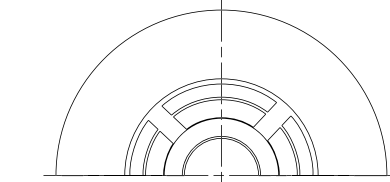
	Connection	see page
270.090	M10x1.25-female	752
270.120	G1/4-male	750





① = Aluminium

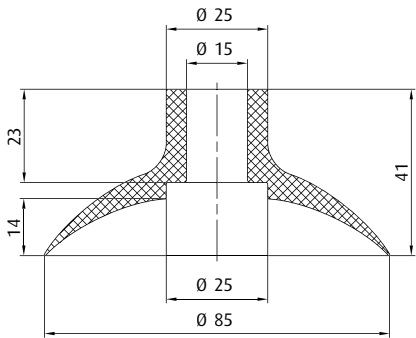
<b>Item no.</b> 102.080.304.*	<b>Material</b> NBR (sw), SI (tr), PU (bl)	 6 mm
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Additional sizes available are found on p. 32.




<b>Item no.</b> 100.083.060.*	<b>Material</b> Vinyl (bl)	 7.5 mm
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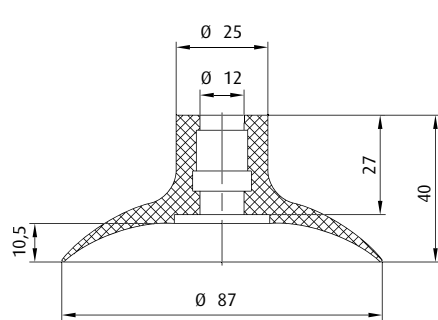
	Connection	see page
270.216	G1/4-male	431




<b>Item no.</b> 112.085.102.*	<b>Material</b> NBR (sw), SI (tr), NR (sw)	 12 mm
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Additional sizes available are found on p. 52.

	Connection	see page
270.338	M12x1.75-female	438
270.207	G1/4-male	426

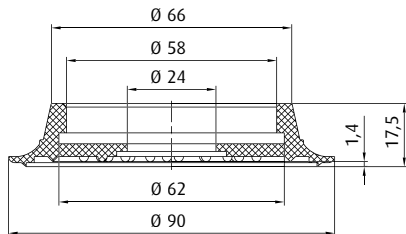


<b>Item no.</b> 112.087.089.*	<b>Material</b> NR (sw)	 9 mm
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



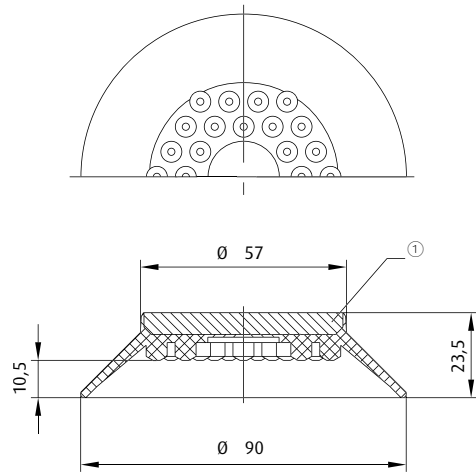
	Connection	see page
270.158	G1/8-female	438
270.264	G1/4-female	438
270.161	G3/8-female	438
270.286	G1/2-female	438



**Item no.**  
154.090.010.\*

**Material**  
SI (tr), NR (sw)

1.5 mm

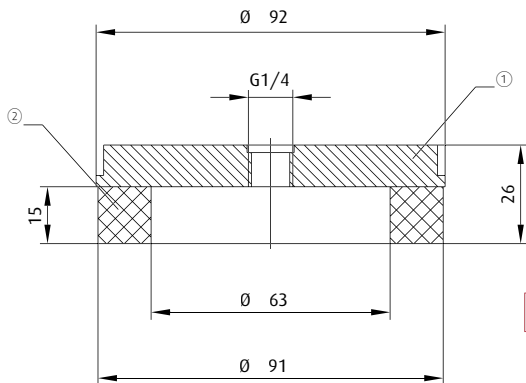


① = Steel

**Item no.**  
152.090.089.\*

**Material**  
SBR (br)

11 mm



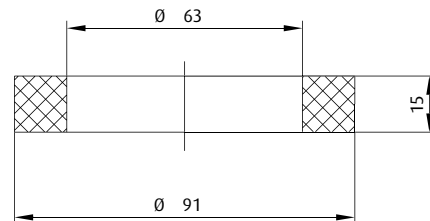
① = Aluminium ② = Sponge rubber NR

**Item no.**  
206.092.007.\*

**Material**  
Sponge rubber (or)

10 mm

Spare cup



**Item no.**  
208.092.002.\*

**Material**  
Sponge rubber (or)

10 mm


This vacuum cup is also available in the following dimensions: 64 mm

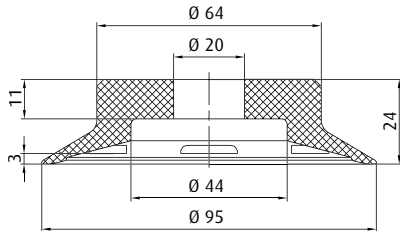
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø


Ø 95 - 100 mm


	Connection	see page
270.100	G1/4-male	431

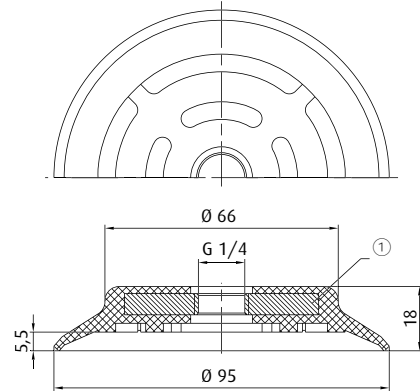


**Item no.**  
102.095.182.\*

**Material**  
NR (bg)

 2.5 mm


	Connection	see page
270.090	M10x1.25-female	752
270.120	G1/4-male	750



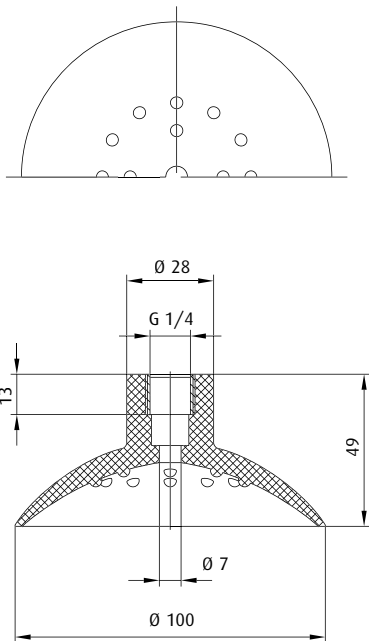
① = Aluminium

**Item no.**  
102.095.305.\*

**Material**  
NBR (sw), SI (tr), PU (bl)


 6 mm

Additional sizes available are found on p. 32.




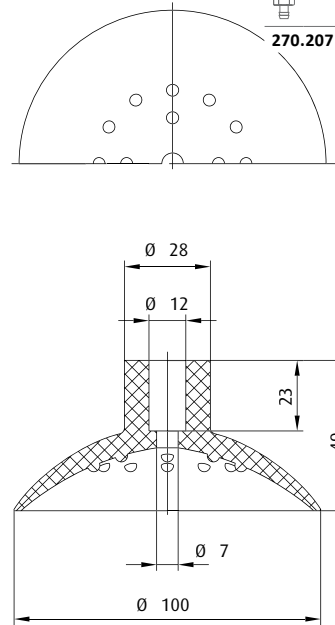
**Item no.**  
110.100.103.\*

**Material**  
NBR (sw)

 13 mm


This vacuum cup is also available in the following dimensions: 43 mm, 50 mm, 62 mm, 81 mm

	Connection	see page
270.207	G1/4-male	426



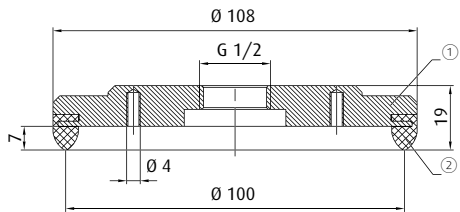
**Item no.**  
114.100.022.\*

**Material**  
NR (sw)

 13 mm

This vacuum cup is also available in the following dimensions: 80 mm

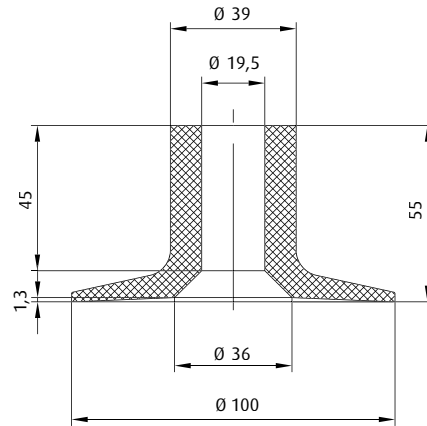
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



① = Aluminium ② = EPDM foamed

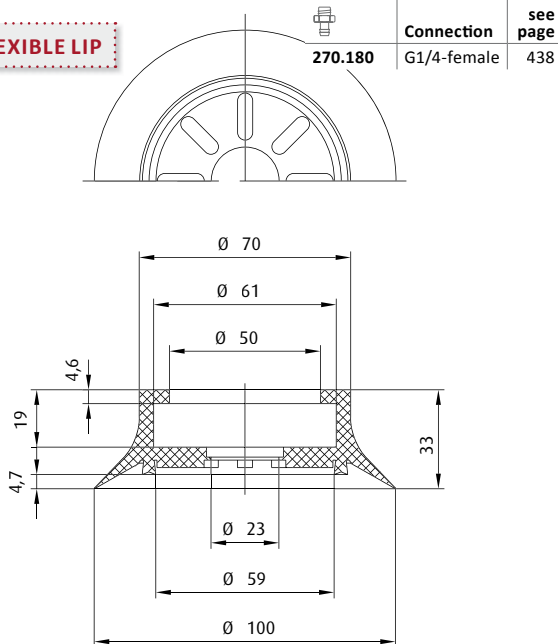
<b>Item no.</b> 160.107.006.*	<b>Material</b> EPDM (sw)	1 mm
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Additional sizes available are found on p. 72.  
Notes: Foam sealing lip equalises product unevenness



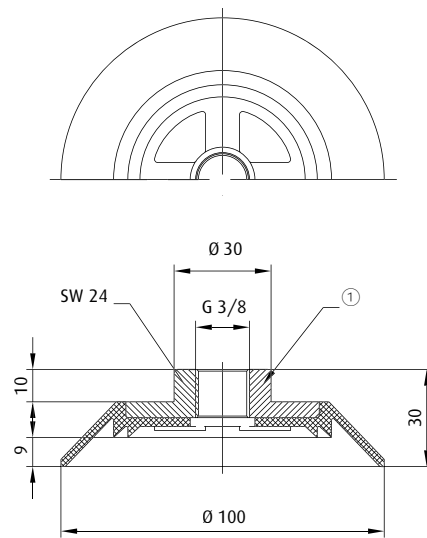
<b>Item no.</b> 102.100.100.*	<b>Material</b> NR (bg)	0.5 mm
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**FLEXIBLE LIP**



<b>Item no.</b> 102.100.269.*	<b>Material</b> SBR (br), NBR (gr), NR (br)	5 mm
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Additional sizes available are found on p. 66.



① = Aluminium

<b>Item no.</b> 150.100.034.*	<b>Material</b> NBR (sw), SI (tr), NR (w)	9 mm
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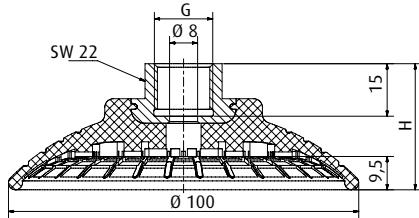
Additional sizes available are found on p. 68.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



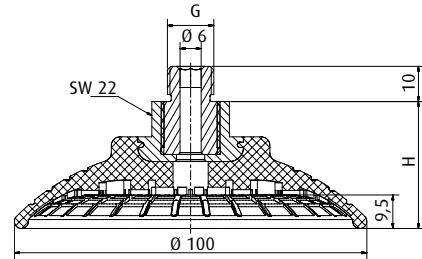
# Vacuum cups by size | Flat vacuum cups by $\varnothing$

$\varnothing$  100 mm



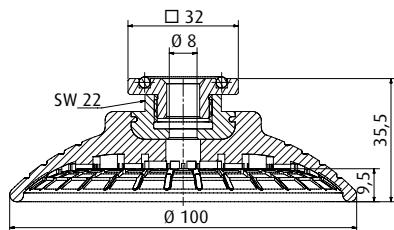
Item no.	Material	[mm]	Connection thread	H [mm]
103.100.061.*	NBR (bl)	9.5	G1/4-female	41
103.100.062.*	NBR (bl)	9.5	G3/8-female	36

Additional sizes available are found on p. 64.



Item no.	Material	[mm]	Connection thread	H [mm]
103.100.060.*	NBR (bl)	9.5	G1/4-male	36
103.100.063.*	NBR (bl)	9.5	M10-male	36
103.100.064.*	NBR (bl)	9.5	M14x1.5-male	36

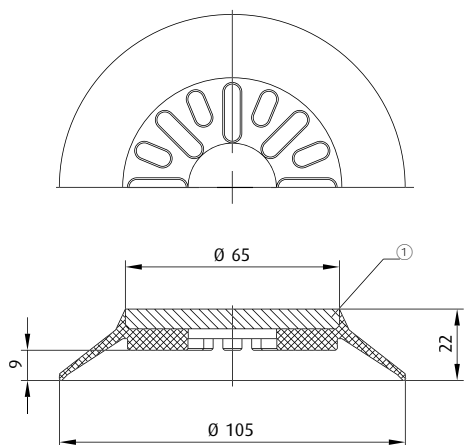
Additional sizes available are found on p. 64.



Item no.	Material	[mm]
103.100.065.*	NBR (bl)	9.5 mm

Additional sizes available are found on p. 64.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

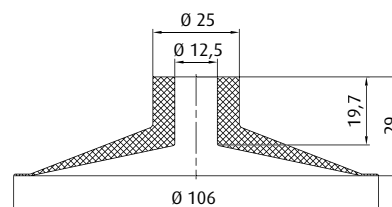


① = Steel

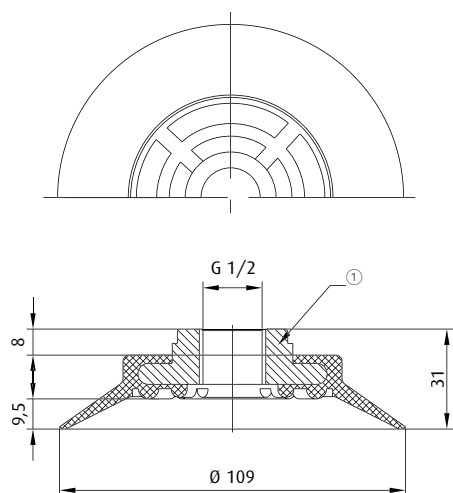
**Item no.**  
**152.105.094.\_\***      **Material**  
NBR (gr)      9 mm

**Ordering notes:** Customised drilling patterns on request

	Connection	see page
270.141	G1/4-male	430



**Item no.**  
**107.105.035.\_\***      **Material**  
NR (br)      8.5 mm



① = Aluminium

**Item no.**  
**100.109.059.\_\***      **Material**  
Vinyl (bl)      9.5 mm

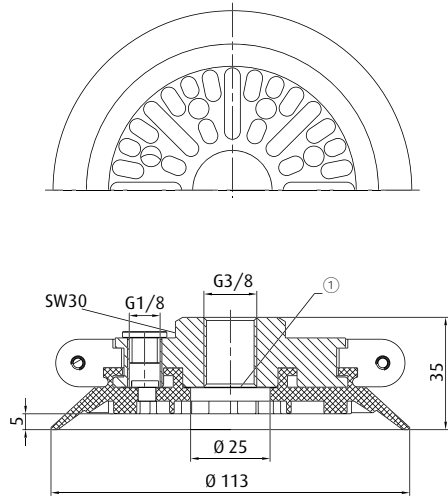
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760





# Vacuum cups by size | Flat vacuum cups by Ø

Ø 113 - 114 mm

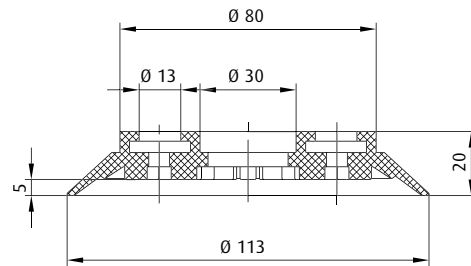
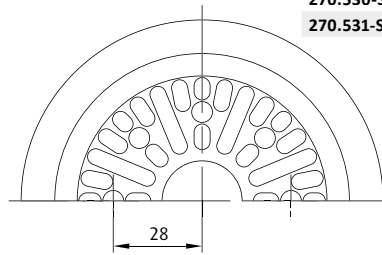


① = Filter screen

**Item no.**  
**152.113.134.\***     **Material**  
Tepuflex® (or), SI (tr), CR (sw)     5 mm

Additional sizes available are found on p. 47.

Spare cup

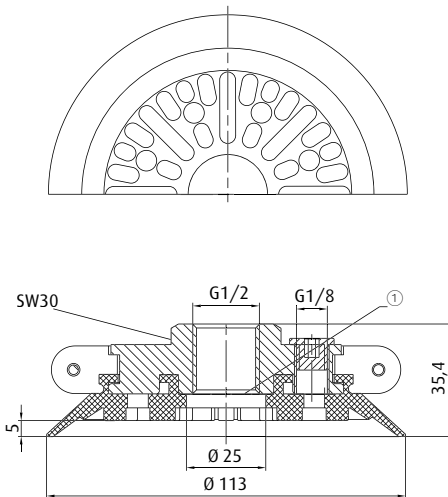


**Item no.**  
**154.113.028.\***     **Material**  
Tepuflex® (or), SI (tr), CR (sw)     5 mm

Additional sizes available are found on p. 42.

	Connection	see page
	G3/8-female	437
	G1/2-female	437

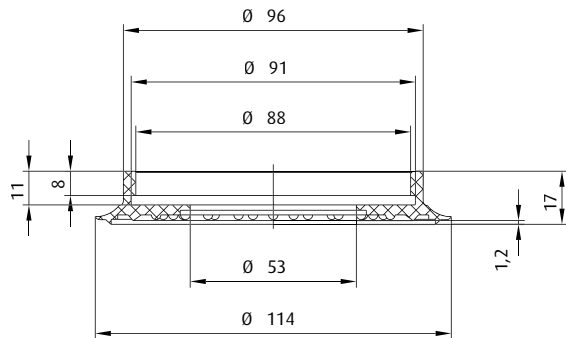
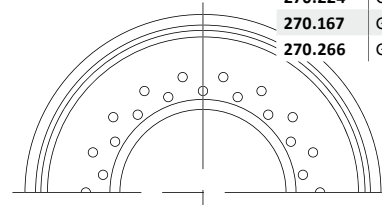
Spare cup



① = Filter screen

**Item no.**  
**152.113.137.\***     **Material**  
Tepuflex® (or), SI (tr), CR (sw)     5 mm

Additional sizes available are found on p. 47.



**Item no.**  
**154.110.014.\***     **Material**  
NBR (sw), SI (w)     1.5 mm

Additional sizes available are found on p. 70.

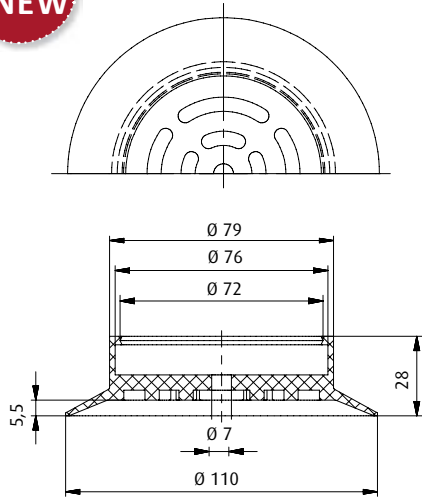
	Connection	see page
	G1/4-female	438
	G3/8-female	438
	G1/2-female	438

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

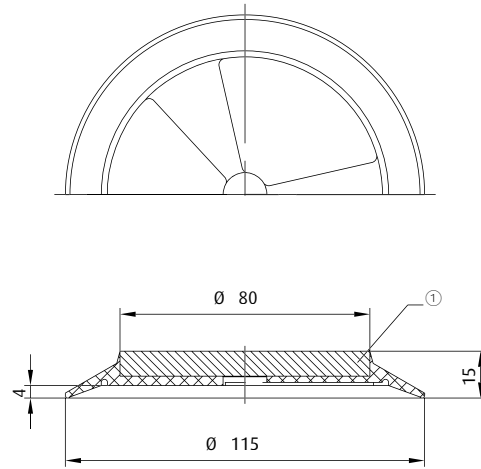


**NEW**

	Connection	see page
270.554	G1/4-female	434



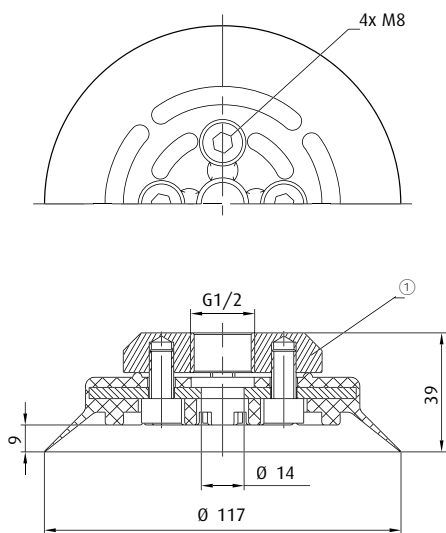
<b>Item no.</b> 102.110.483.*	<b>Material</b> NBR (sw)	5.5 mm
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① = Steel

<b>Item no.</b> 152.115.095.*	<b>Material</b> NBR (gr)	4 mm
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**Ordering notes:** Customised drilling patterns on request

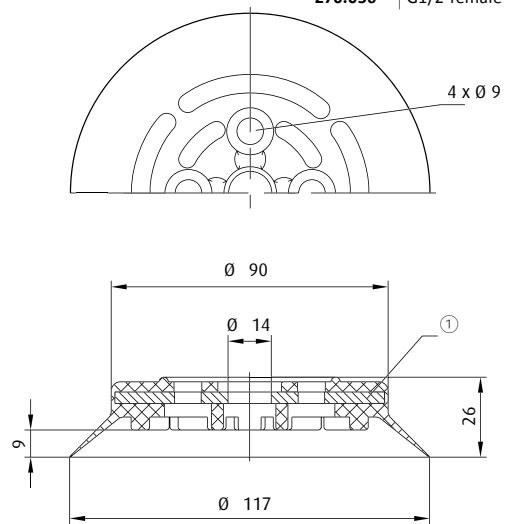


① = Aluminium

<b>Item no.</b> 152.120.017.*	<b>Material</b> NBR (sw), SI (tr)	7 mm
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Spare cup

	Connection	see page
270.056	G1/2-female	437



① = Steel

<b>Item no.</b> 154.120.018.*	<b>Material</b> NBR (sw), SI (tr)	7 mm
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Additional sizes available are found on p. 32.

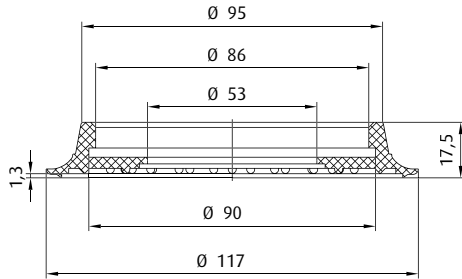
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



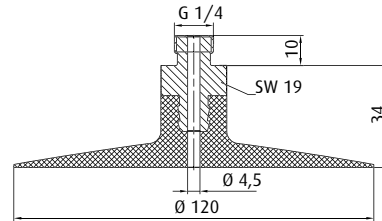
# Vacuum cups by size | Flat vacuum cups by Ø

Ø 117 - 120 mm

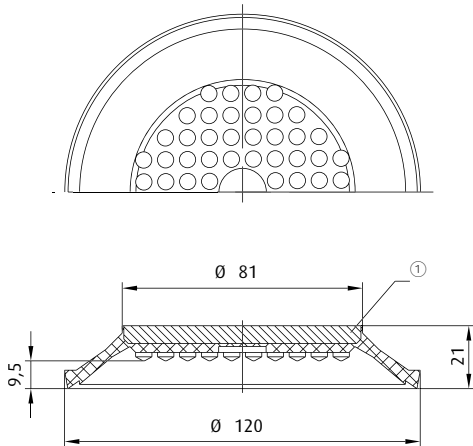
	Connection	see page
270.164	G1/8-female	438
270.224	G1/4-female	438
270.167	G3/8-female	438
270.266	G1/2-female	438



**Item no.** 154.120.017.\* **Material** SI (tr), NR (sw), Vinyl (bl) 1.5 mm



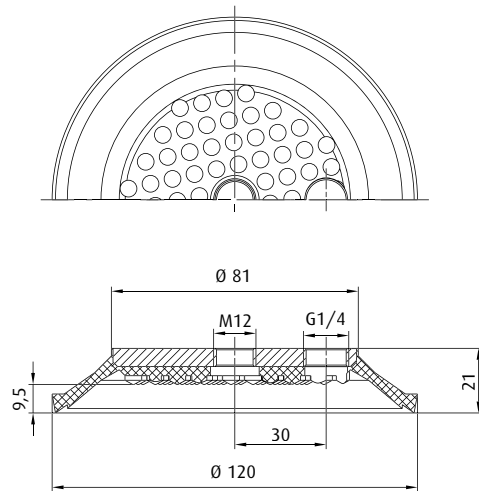
**Item no.** 100.120.036.\* **Material** NBR (sw) 0.5 mm



① = Steel

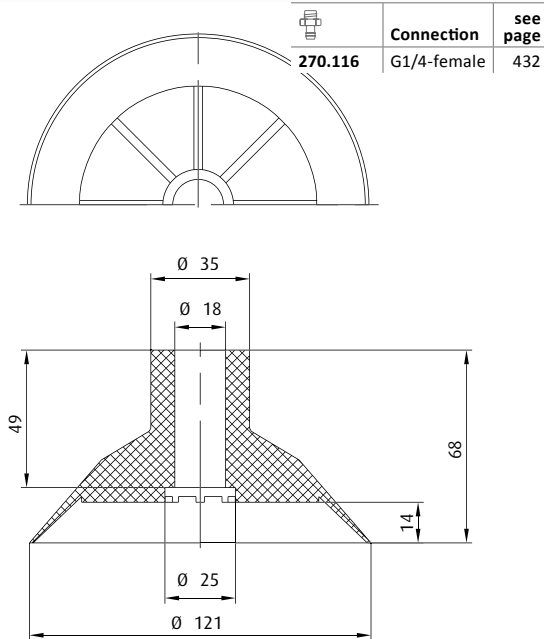
**Item no.** 152.120.064.\* **Material** NBR (gr), NR (br) 11 mm

**Ordering notes:** Customised drilling patterns on request

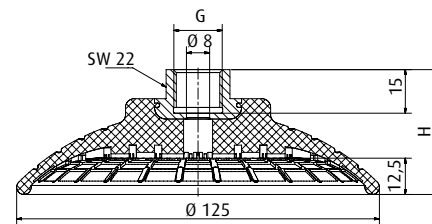


**Item no.** 152.120.115.\* **Material** NBR (gr) 9.5 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760

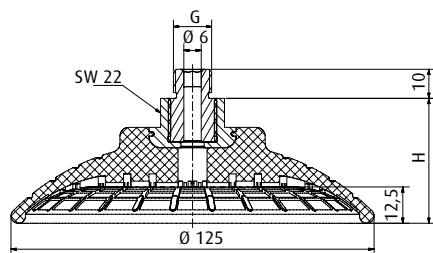


<b>Item no.</b> 108.120.006.*	<b>Material</b> NR (sw)	14 mm
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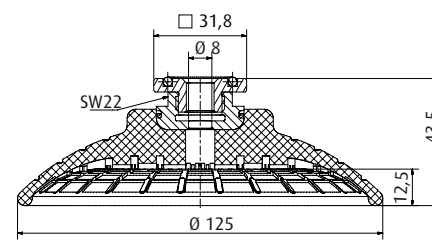
Item no.	Material	[mm]	Connection thread	H [mm]
103.125.067.*	NBR (bl)	12.5	G1/4-female	48
103.125.068.*	NBR (bl)	12.5	G3/8-female	43

Additional sizes available are found on p. 64.



Item no.	Material	[mm]	Connection thread	H [mm]
103.125.066.*	NBR (bl)	12.5	G1/4-male	43
103.125.069.*	NBR (bl)	12.5	M10-male	43
103.125.070.*	NBR (bl)	12.5	M14x1.5-male	43

Additional sizes available are found on p. 64.



<b>Item no.</b> 103.125.071.*	<b>Material</b> NBR (bl)	12.5 mm
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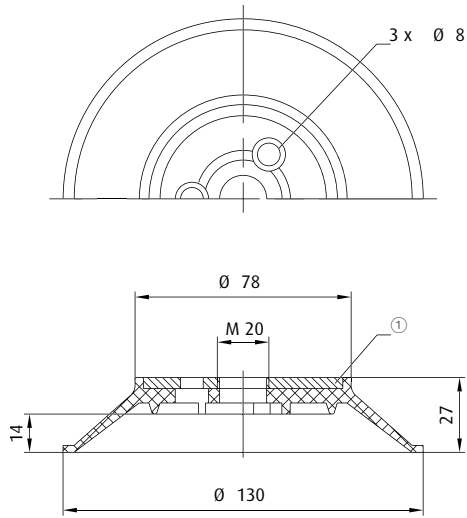
Additional sizes available are found on p. 64.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 130 - 137 mm



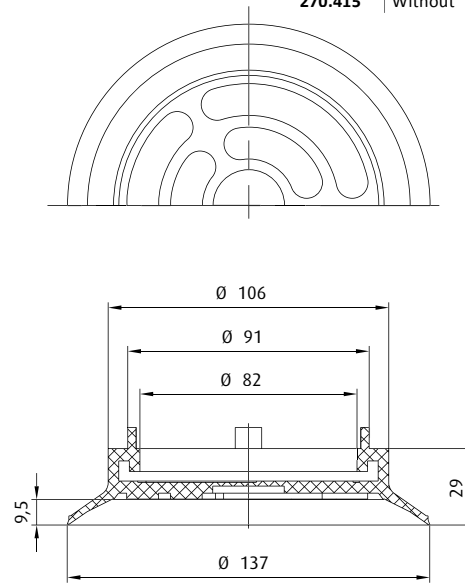
① = Steel

**Item no.**  
**100.130.058.\_\***

**Material**  
NR (sw)

14 mm

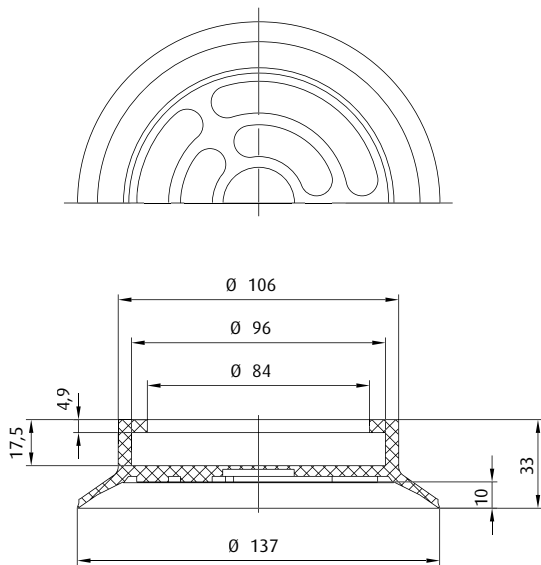
	Connection	see page
270.415	Without	440



**Item no.**  
**102.130.258.\_\***

**Material**  
SBR (sw)

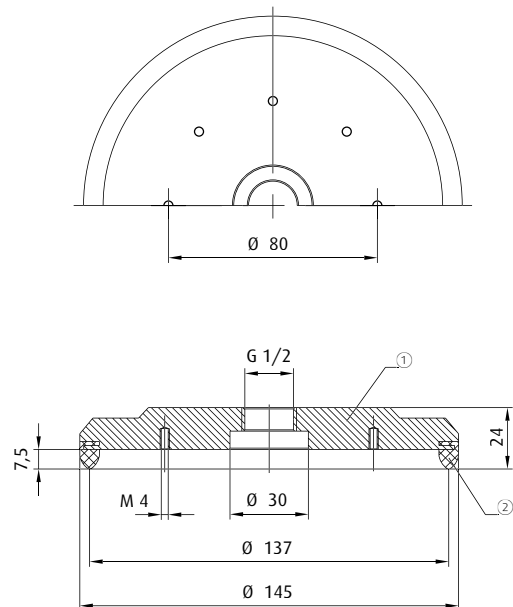
10 mm



**Item no.**  
**102.135.256.\_\***

**Material**  
NBR (gr), SBR (sw)

11 mm



① = Aluminium ② = EPDM foamed

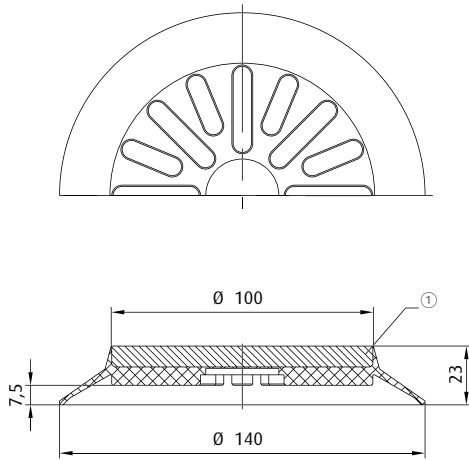
**Item no.**  
**160.145.014.\_\***

**Material**  
EPDM (sw)

1 mm

Additional sizes available are found on p. 72.  
**Notes:** Foam sealing lip equalises product unevenness

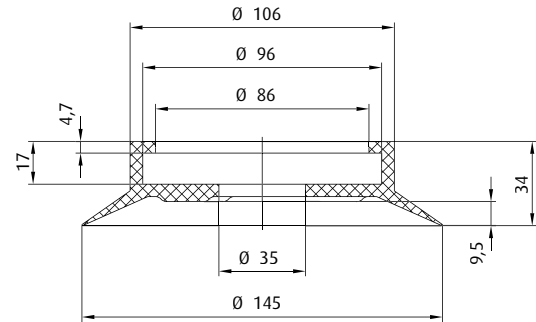
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



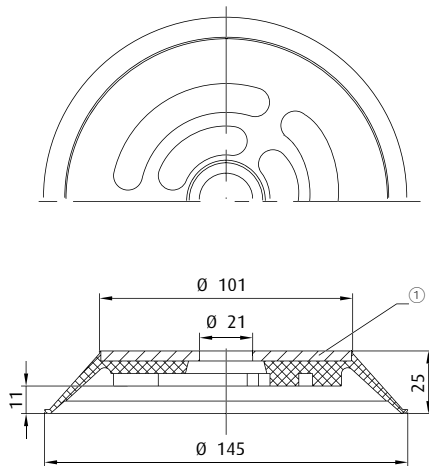
① = Steel

<b>Item no.</b> 152.140.096.*	<b>Material</b> NBR (gr)	8 mm
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**Ordering notes:** Customised drilling patterns on request

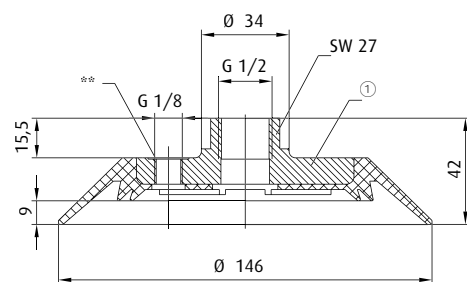
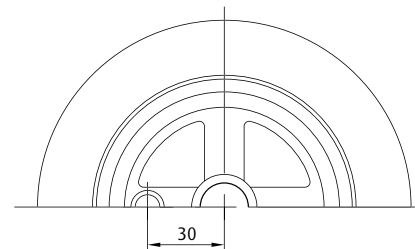


<b>Item no.</b> 102.145.257.*	<b>Material</b> NBR (gr), SBR (sw)	9 mm
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① = Aluminium

<b>Item no.</b> 152.145.045.*	<b>Material</b> NBR (sw), SI (tr)	11 mm
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① = Aluminium \*\* = Vacuum connection at the side possible

<b>Item no.</b> 150.150.010.*	<b>Material</b> SI (gr), CR (gr)	9 mm
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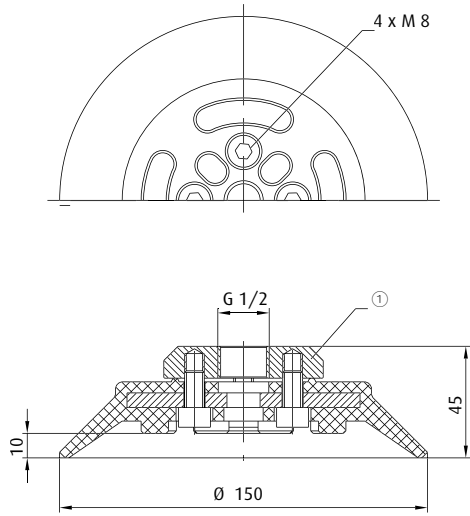
Additional sizes available are found on p. 68.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



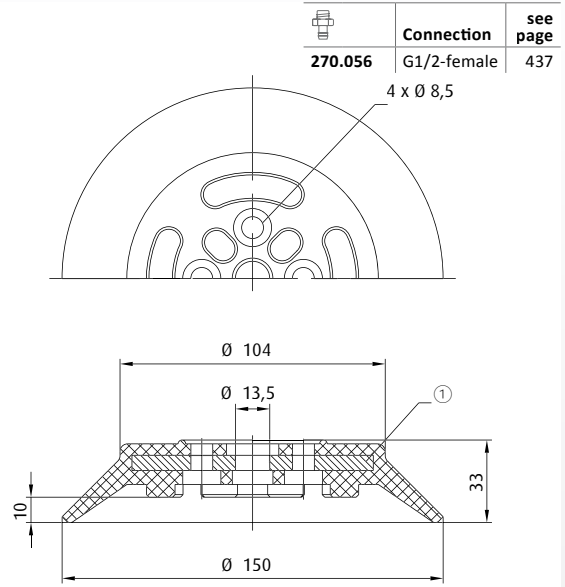
# Vacuum cups by size | Flat vacuum cups by Ø

Ø 150 - 153 mm



① = Aluminium

<b>Item no.</b> 152.150.019.*	<b>Material</b> NBR (sw), SI (tr)	9 mm
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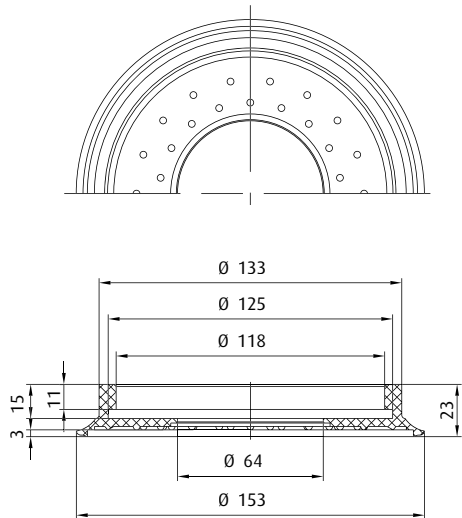
Spare cup

① = Steel

<b>Item no.</b> 154.150.020.*	<b>Material</b> NBR (sw), SI (tr)	9 mm
----------------------------------	--------------------------------------	------

Additional sizes available are found on p. 32.

	<b>Connection</b>	<b>see page</b>
270.171	G1/4-female	438
270.173	G3/8-female	438
270.268	G1/2-female	438




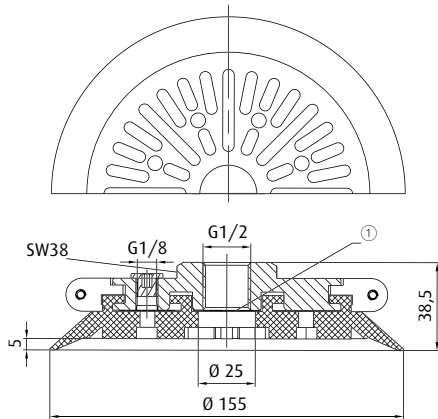
<b>Item no.</b> 154.150.021.*	<b>Material</b> NBR (sw), SI (w)	2 mm
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Additional sizes available are found on p. 70.

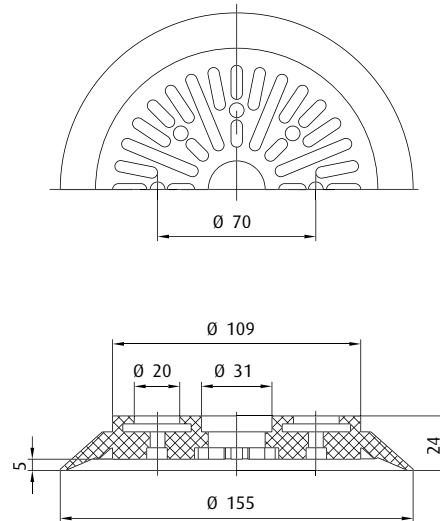
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



	Connection	see page
270.532-S	G1/2-female	437
270.533-S	G3/4-female	437




Spare cup



① = Filter screen

**Item no.**  
**152.155.135.\***


**Material**  
Tepuflex® (or), SI (tr), CR (sw)

 5 mm

Additional sizes available are found on p. 47.

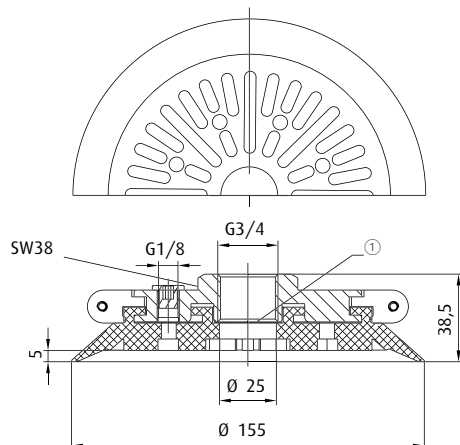
**Item no.**  
**154.155.026.\***

**Material**  
Tepuflex® (or), SI (tr), CR (sw)

 5 mm

Additional sizes available are found on p. 42.


Spare cup



① = Filter screen

**Item no.**  
**152.155.138.\***

**Material**  
Tepuflex® (or), SI (tr), CR (sw)

 5 mm

Additional sizes available are found on p. 47.

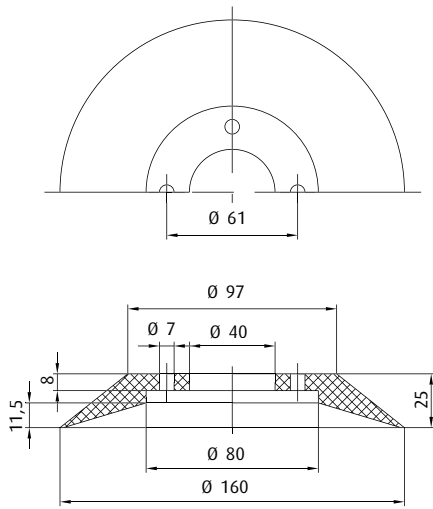
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760





# Vacuum cups by size | Flat vacuum cups by Ø

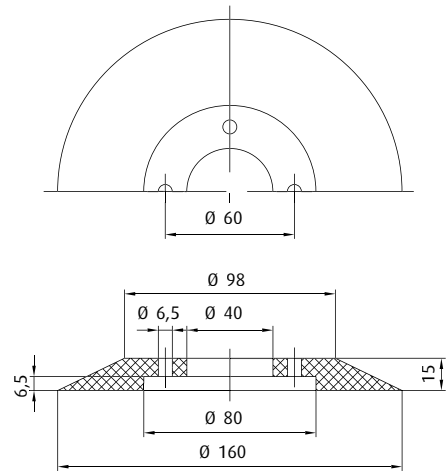
Ø 160 mm



Item no.  
102.160.031.\*

Material  
SI (r), NR (gr)

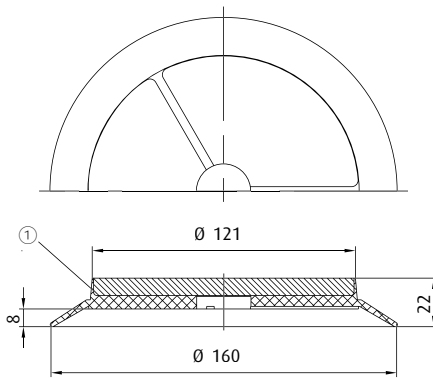
10 mm



Item no.  
102.160.195.\*

Material  
SI (gr)

0 mm



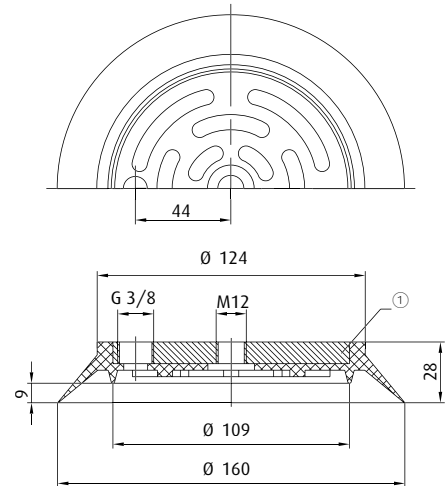
① = Steel

Item no.  
152.160.097.\*

Material  
NBR (gr)

8 mm

Ordering notes: Customised drilling patterns on request



① = Steel

Item no.  
152.160.127.\*

Material  
CR (sw)

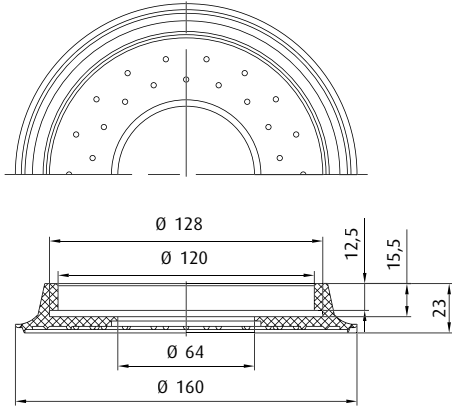
9 mm

Additional sizes available are found on p. 73.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



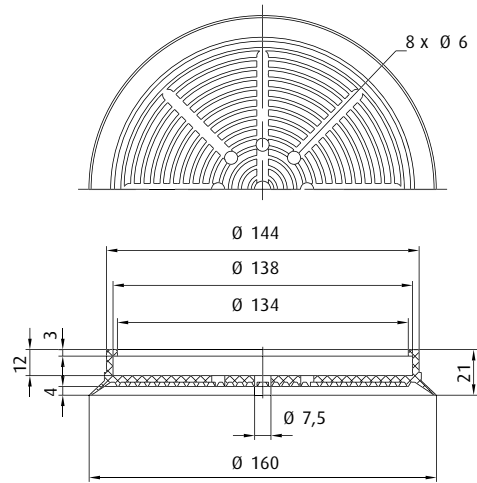
	Connection	see page
270.171	G1/4-female	438
270.173	G3/8-female	438
270.268	G1/2-female	438



**Item no.**  
154.160.024.\_\*

**Material**  
SI (tr), NR (sw)

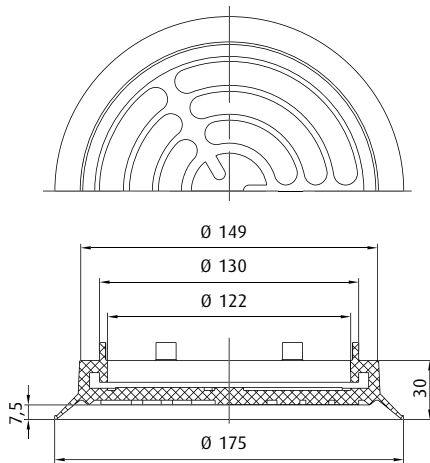
3 mm



**Item no.**  
154.160.049.\_\*

**Material**  
NBR (gr), SI (tr)

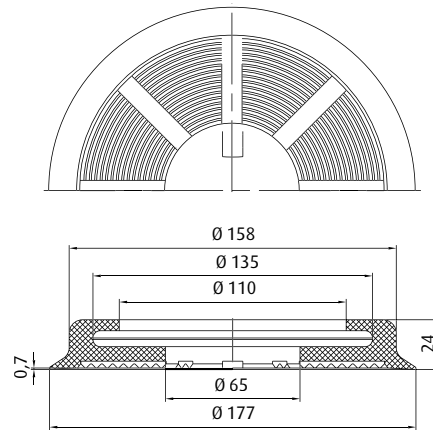
4.7 mm



**Item no.**  
102.170.259.\_\*

**Material**  
SBR (sw), NR (bg)

7 mm



**Item no.**  
154.177.053.\_\*

**Material**  
SI (tr)

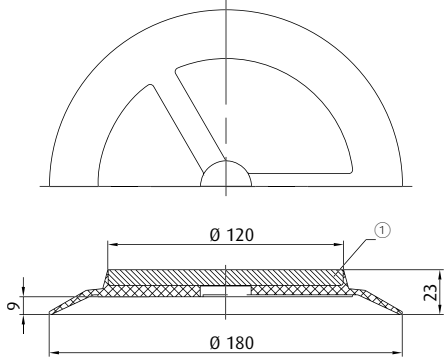
0.5 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

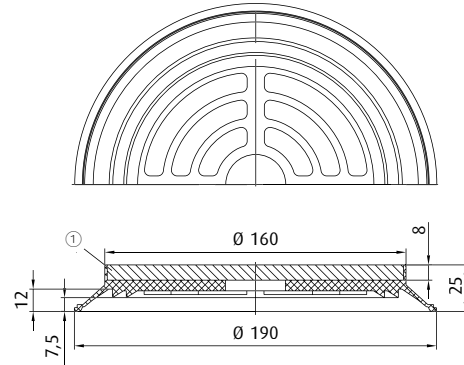
Ø 180 - 193 mm



① = Steel

<b>Item no.</b> 152.180.067.*	<b>Material</b> NBR (gr)	9 mm
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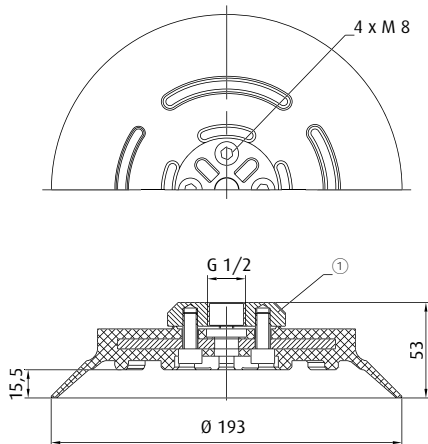
**Ordering notes:** Customised drilling patterns on request



① = Steel

<b>Item no.</b> 152.190.080.*	<b>Material</b> SBR (br), NBR (gr)	10 mm
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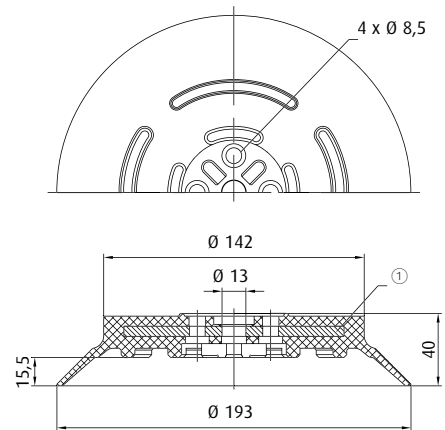
**Ordering notes:** Customised drilling patterns on request



① = Aluminium

<b>Item no.</b> 152.191.025.*	<b>Material</b> NBR (sw), SI (tr), PU (bl)	13 mm
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Spare cup



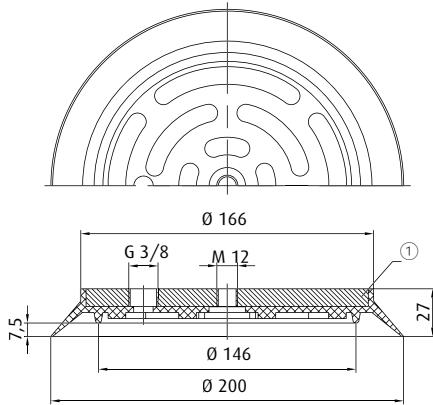
① = Steel

<b>Item no.</b> 154.191.025.*	<b>Material</b> NBR (sw), SI (tr), PU (bl)	13 mm
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Additional sizes available are found on p. 32.

	<b>Connection</b>	<b>see page</b>
270.056	G1/2-female	437

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

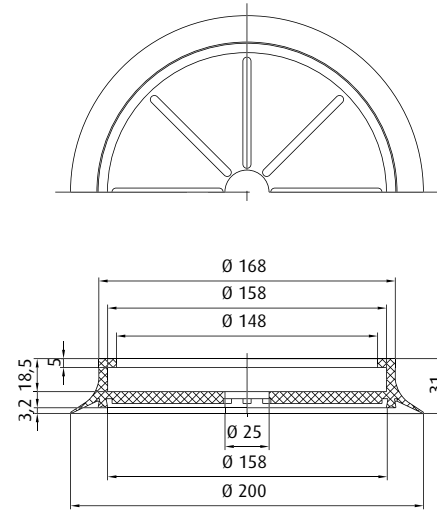


① = Steel

**Item no.**  
**152.200.128.\***     **Material**  
CR (sw)     9 mm

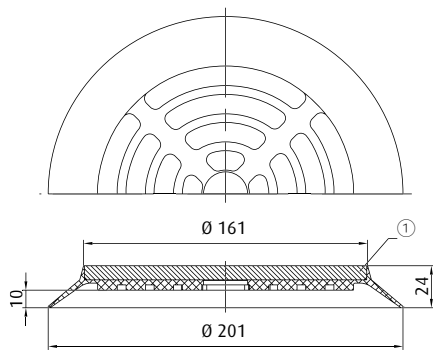
Additional sizes available are found on p. 73.

	Connection	see page
270.335	G1/2-female	438



**Item no.**  
**102.200.350.\***     **Material**  
NR (w)     5 mm

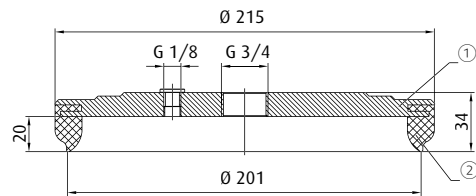
Additional sizes available are found on p. 66.



① = Steel

**Item no.**  
**150.190.015.\***     **Material**  
NBR (gr)     11 mm

**Ordering notes:** Customised drilling patterns on request



① = Aluminium    ② = EPDM foamed

**Item no.**  
**160.215.009.\***     **Material**  
EPDM (sw)     2.5 mm

Additional sizes available are found on p. 72.


**Notes:** Foam sealing lip equalises product unevenness

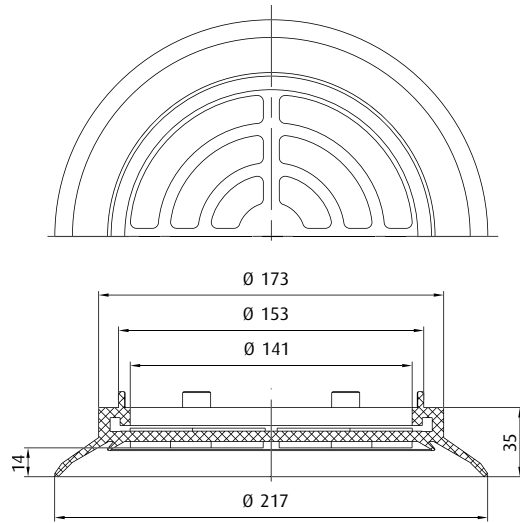
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø


Ø 217 - 223 mm

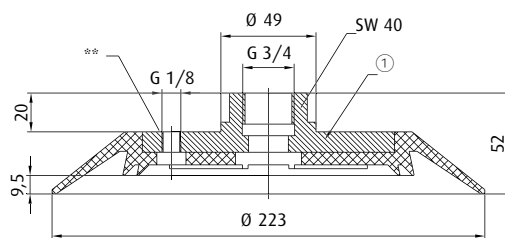
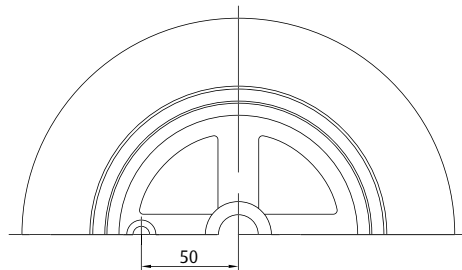
	Connection	see page
270.155	Without	440



**Item no.**  
102.210.260.\*

**Material**  
SBR (sw)


 14 mm



① = Aluminium    \*\* = Vacuum connection at the side possible

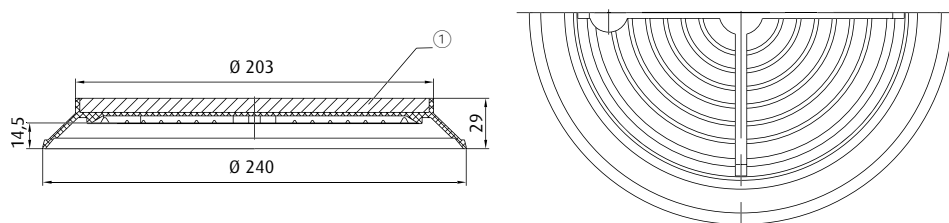
**Item no.**  
150.225.018.\*

**Material**  
SI (gr), CR (gr)

 9.5 mm

Additional sizes available are found on p. 68.

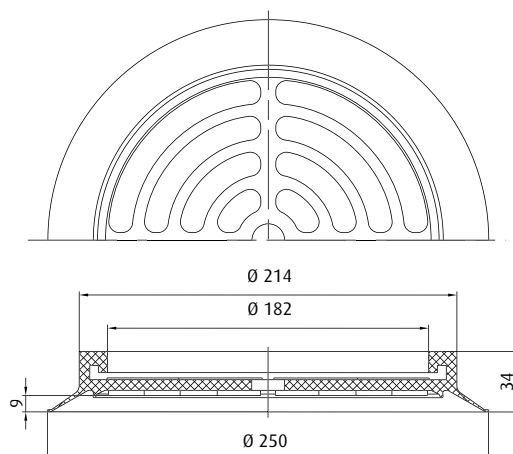
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



① = Steel

<b>Item no.</b> 152.240.046._*	<b>Material</b> NBR (gr), SBR (sw)	14 mm	<b>Ordering notes:</b> Customised drilling patterns on request
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	<b>Connection</b>	<b>see page</b>
270.236	G1/2-female	440



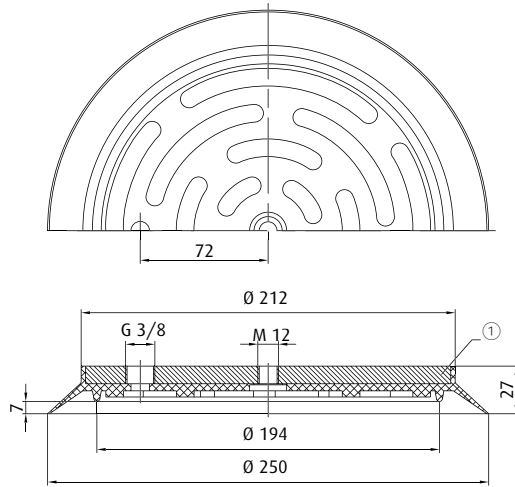
<b>Item no.</b> 102.250.261._*	<b>Material</b> SBR (sw)	8.5 mm
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 250 mm



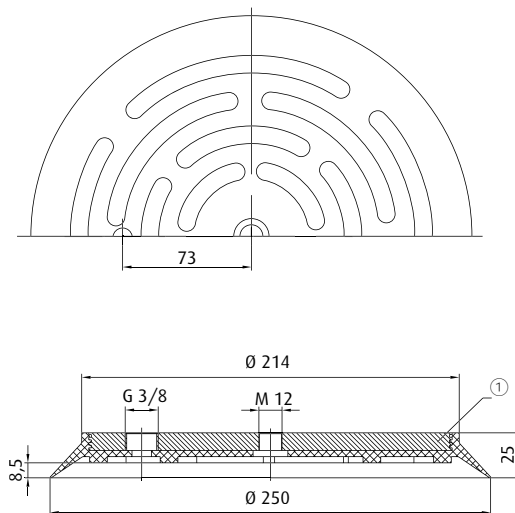
① = Steel

**Item no.**  
152.250.129.\_\*

**Material**  
CR (sw)

9 mm

Additional sizes available are found on p. 73.



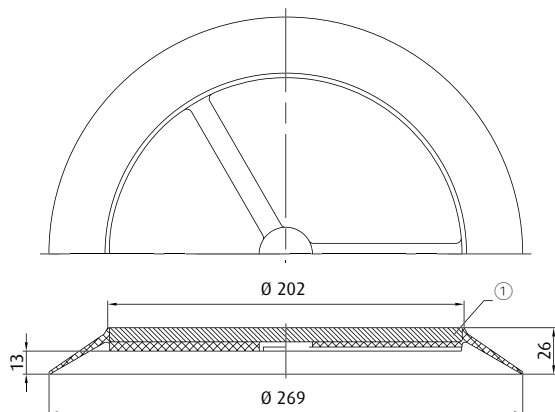
① = Steel

**Item no.**  
152.250.031.\_\*

**Material**  
NBR (sw)

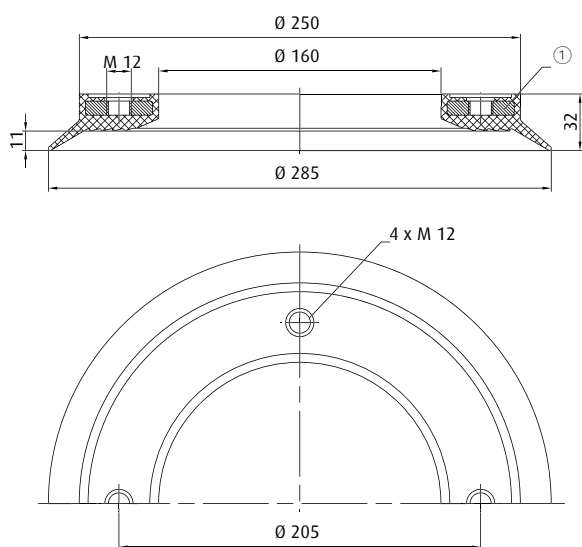
11 mm

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



① = Steel

<b>Item no.</b> 152.260.068._*	<b>Material</b> NBR (gr)	13 mm	<b>Ordering notes:</b> Customised drilling patterns on request
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① = Ring made of vulcanised ST37

<b>Item no.</b> 152.285.099._*	<b>Material</b> NBR (sw)	11 mm	Additional sizes available are found on p. 74.
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

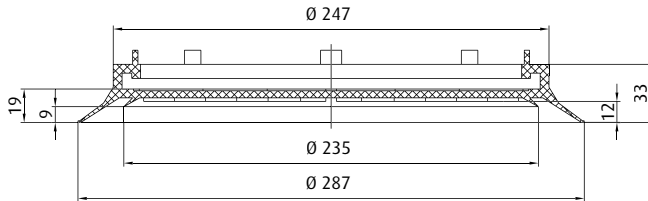




# Vacuum cups by size | Flat vacuum cups by Ø


Ø 287 - 300 mm

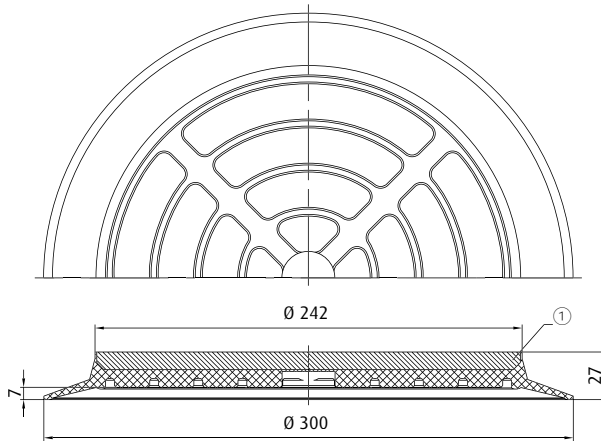
	Connection	see page
270.535	Without	440



Item no.  
102.290.262.\*

Material  
SBR (sw)

 15 mm



① = Steel

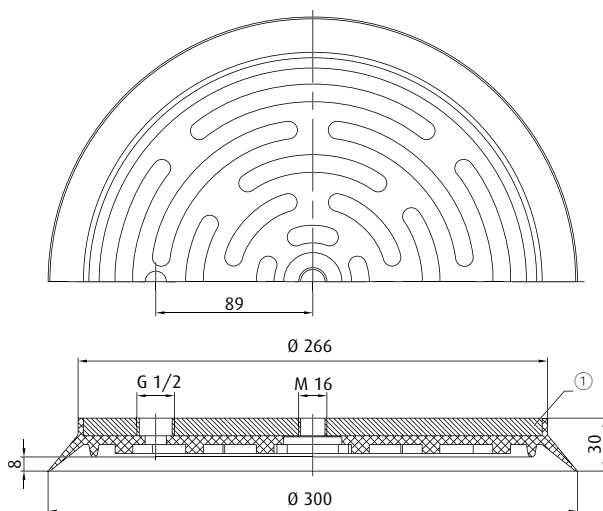
Item no.  
152.300.098.\*

Material  
NBR (gr)

 7 mm

Ordering notes: Customised drilling patterns on request

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



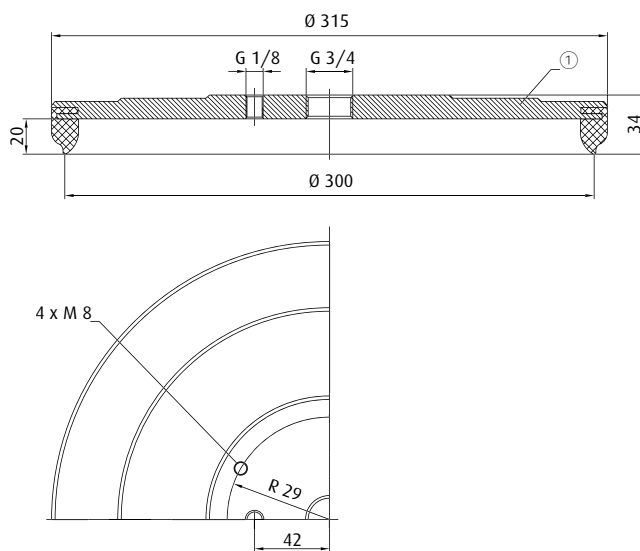
① = Steel

**Item no.**  
152.300.130.\*

**Material**  
NBR (sw)

12 mm

Additional sizes available are found on p. 73.



① = Aluminium

**Item no.**  
160.315.012.\*

**Material**  
EPDM (sw)

2.5 mm

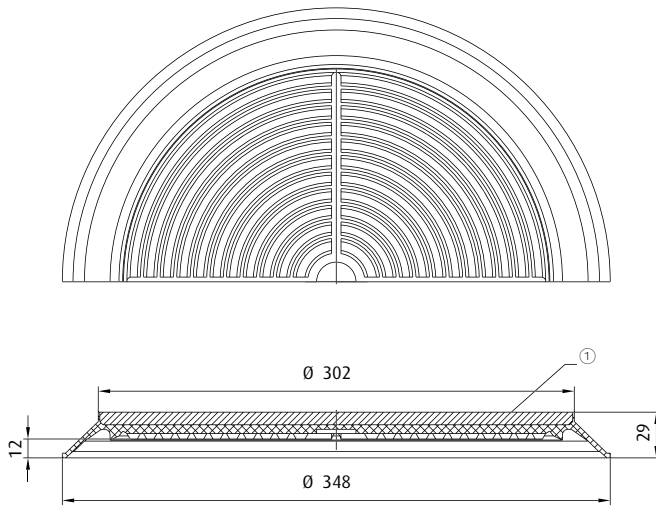
Additional sizes available are found on p. 72.  
**Notes:** Foam sealing lip equalises product unevenness

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by Ø

Ø 348 - 350 mm



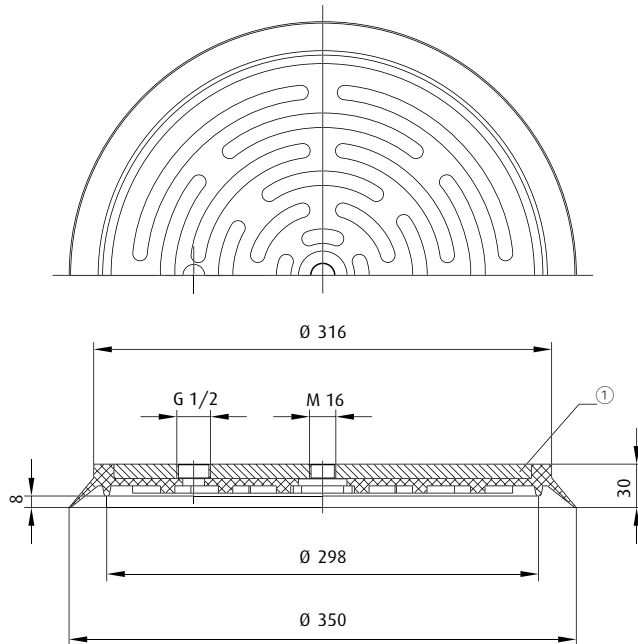
① = Steel

**Item no.**  
150.340.030.\*

**Material**  
NBR (gr)

15 mm

**Ordering notes:** Customised drilling patterns on request



① = Steel

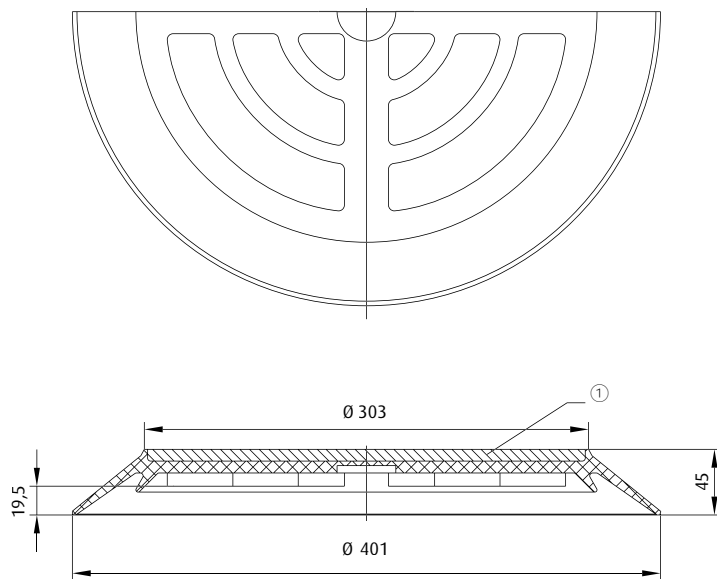
**Item no.**  
152.350.131.\*

**Material**  
NBR (sw)

13 mm

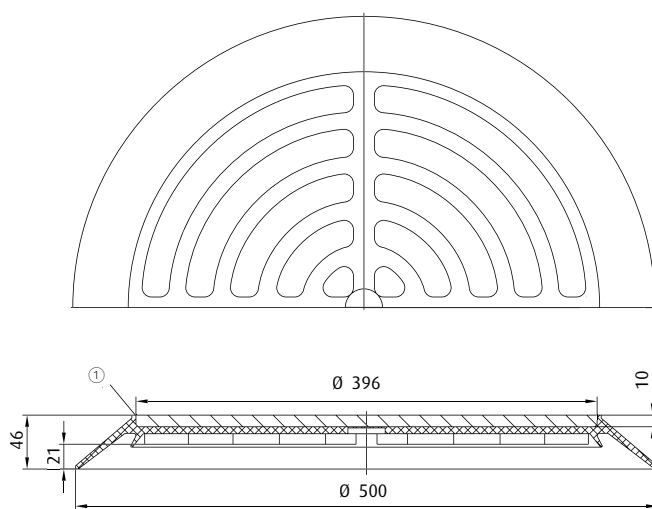
Additional sizes available are found on p. 73.

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



① = Steel

<b>Item no.</b> 152.400.085._*	<b>Material</b> NBR (gr), SBR (br), NR (sw)	25 mm	<b>Ordering notes:</b> Customised drilling patterns on request
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① = Steel

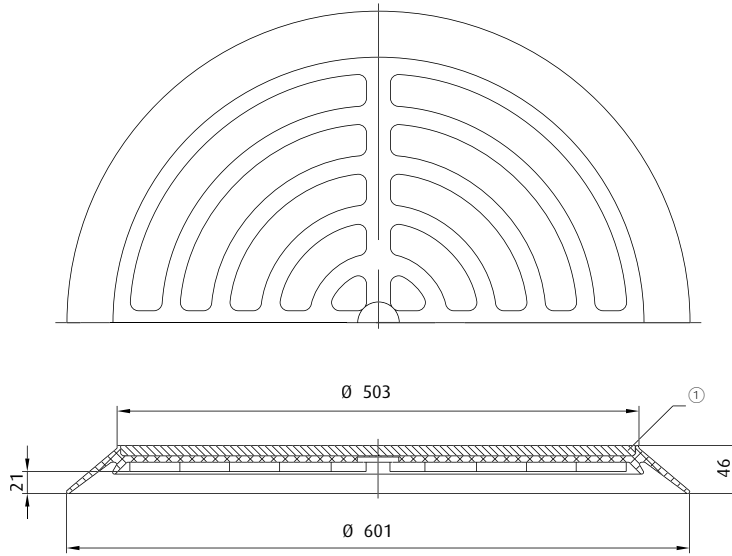
<b>Item no.</b> 152.500.086._*	<b>Material</b> NBR (gr), SBR (br), NR (sw)	25 mm	<b>Ordering notes:</b> Customised drilling patterns on request
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Flat vacuum cups by $\emptyset$

$\emptyset$  601 mm



① = Steel

**Item no.**

**152.600.087.\***

**Material**

NBR (gr), SBR (br), NR (sw)



25 mm

**Ordering notes:** Customised drilling patterns on request

\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760