

## Application / Uses

- > Bellows vacuum cups are especially suited to the gentle handling of sensitive products.
- > They allow for easy height and angle compensation for variable surfaces and lift the product up as soon as the vacuum is turned on.
- > The more folds the vacuum cup has, the greater the lifting movement and thus the height compensation. However, lateral stability is reduced by the number of folds. Bellows vacuum cups are therefore only recommended for vertical handling tasks.



## Designs



FIPA bellows vacuum cups are available in various different versions (generally 1.5 - 4.5 folds). They are available with supporting ribs towards the product, with supporting ribs between the folds and without supporting ribs.

### Supporting ribs towards the product (supporting ribs make contact with the object being handled):

- > Increased stability and suction power
- > Prevent flexible product parts from being sucked in
- > Avoid slipping of the product while suction is being applied

### Supporting ribs between the folds:

- > Improve lateral stability
- > Accelerate the depositing process, as the folds are prevented from sticking together

## 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

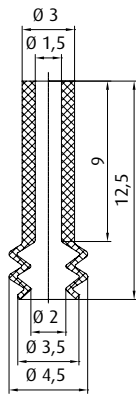
- > Vacuum cups are bolted from below into a threaded counterpart using a hollow bolt
- > Extremely secure hold
- > Eliminates twisting of the vacuum cups
- > Cost-efficient and environmentally-friendly, as only the rubber part needs to be replaced





### Vulcanised fittings / retainer plates

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

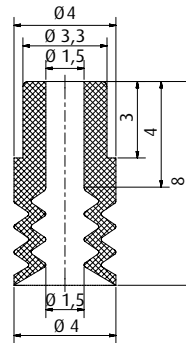






	Connection	see page
	M5-male	409

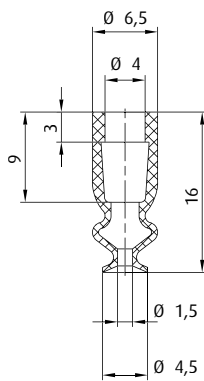
<b>Item no.</b> <b>21.004.142._*</b>	<b>Material</b> Vinyl (bl)	 1.3 mm
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

Additional sizes available are found on p. 116.




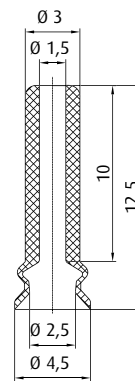
	Connection	see page
	M3-male	408


<b>Item no.</b> <b>21.018.068._*</b>	<b>Material</b> NBR (bl)	 1 mm
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	Connection	see page
	M5-male	409
	M6-male	413
	G1/8-male	416
	G1/8-female	421

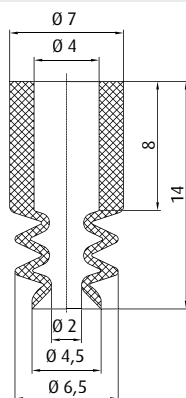
<b>Item no.</b> <b>23.004.189._*</b>	<b>Material</b> NBR (sw), SI (tr)	 4 mm
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





	Connection	see page
	M5-male	409

<b>Item no.</b> <b>23.005.095._*</b>	<b>Material</b> Vinyl (bl)	 2 mm
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Additional sizes available are found on p. 113.

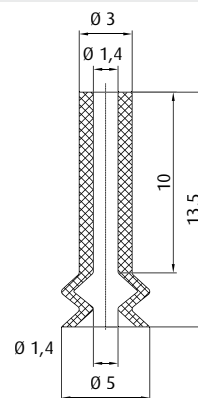



	Connection	see page
	M5-male	409
	M5-female	412
	M6-male	413
	G1/8-male	416
	G1/8-female	421


**BESTSELLER**

<b>Item no.</b> <b>21.004.083._*</b>	<b>Material</b> SI (tr)	 3 mm
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Additional sizes available are found on p. 89.



	Connection	see page
	M5-male	409

<b>Item no.</b> <b>23.005.181._*</b>	<b>Material</b> NBR (sw), SI (tr)	 2 mm
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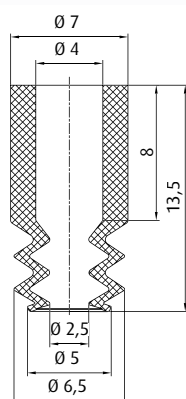
Additional sizes available are found on p. 81.

\* 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 | Bellows vacuum cups by Ø

Ø 5 - 6 mm

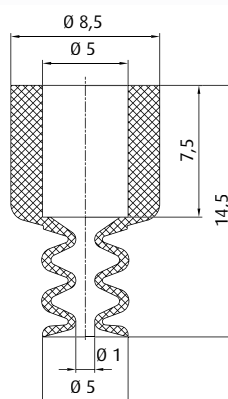


	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

Item no.  
21.005.058.\_\*

Material  
NBR (sw), SI (tr)

3 mm

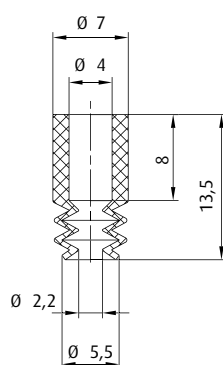


	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

Item no.  
21.005.086.\_\*

Material  
SI (tr)

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

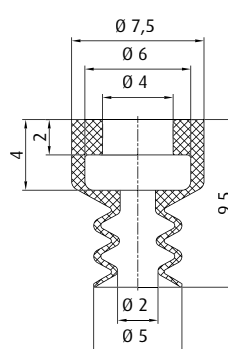
UP TO 160 °C &  
MINIMUM MARKING

Item no.  
21.005.146.\_\*

Material  
Thermalon® (bl)

3 mm

Additional sizes available are found on p. 92.



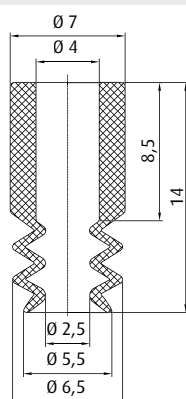
	Connection	see page
270.010	M5-male	411
270.005	M5-female	412
270.009	G1/8-male	417
270.007	G1/8-female	422

Item no.  
21.005.088.\_\*

Material  
NBR (sw), SI (tr)

3 mm

This vacuum cup is also available in the following dimensions: 7 mm



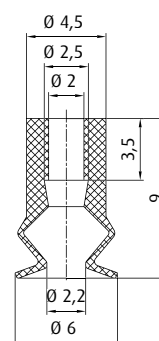
	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

Item no.  
21.005.057.\_\*

Material  
NBR (g), HNBR (ge), EPDM (gr),  
SI (g), SI-AS (sw)

3 mm

Additional sizes available are found on p. 89.



	Connection	see page
270.153	M5-male	409

BESTSELLER

Item no.  
23.005.178.\_\*

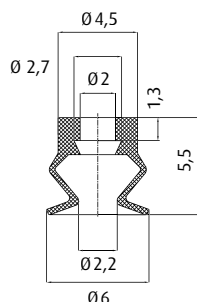
Material  
SI (r), SI-AS (sw), CR (sw),  
HNBR (ge)

2 mm

Additional sizes available are found on p. 100.

\* 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

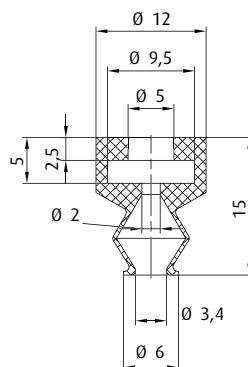




**Item no.**  
**23.005.231.\_\***

**Material**  
SI (r)

2 mm



**Item no.**  
**23.006.145.\_\***

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

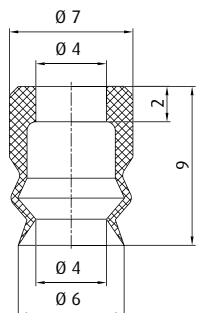
5 mm

Additional sizes available are found on p. 122.

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

	see page
	454
	454



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

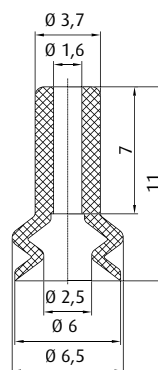
	see page
	454

**Item no.**  
**23.006.161.\_\***

**Material**  
SI (tr)

2 mm

This vacuum cup is also available in the following dimensions: 10 mm, 15 mm, 20 mm, 30 mm



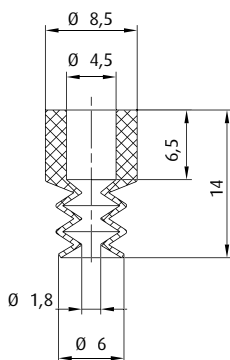
	Connection	see page
	M5-male	409

**Item no.**  
**23.007.112.\_\***

**Material**  
Vinyl (bl)

2 mm

Additional sizes available are found on p. 113.



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

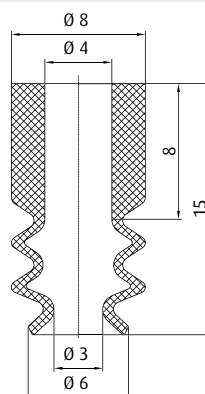
**UP TO 160 °C &  
MINIMUM MARKING**

**Item no.**  
**21.007.147.\_\***

**Material**  
Thermalon® (bl)

3 mm

Additional sizes available are found on p. 92.



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

**Item no.**  
**21.006.093.\_\***

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

3 mm

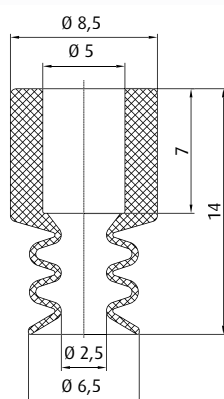
Additional sizes available are found on p. 89.

\* 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 | Bellows vacuum cups by Ø

Ø 6 - 8 mm



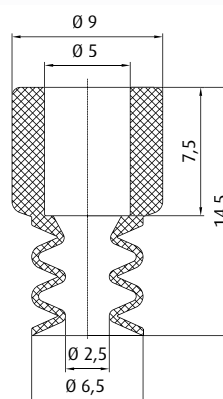
	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
**21.006.001.\_\***

**Material**  
NBR (sw), EPDM (gr),  
NBR-AS (sw), SI (tr), Vinyl (bl)

3.5 mm

Additional sizes available are found on p. 116.



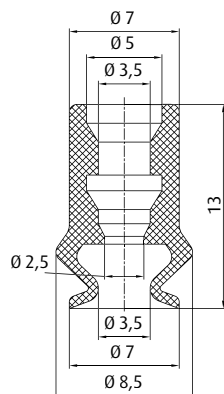
	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
**21.006.087.\_\***

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

3.5 mm

Additional sizes available are found on p. 89.

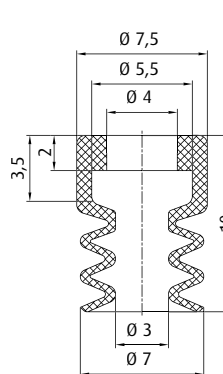


	Connection	see page
270.399	M5-male	410

**Item no.**  
**21.007.096.\_\***

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

2 mm



	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

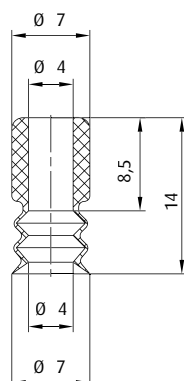
**Item no.**  
**21.007.089.\_\***

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

3 mm

Additional sizes available are found on p. 94.

This vacuum cup is also available in the following dimensions: 5 mm

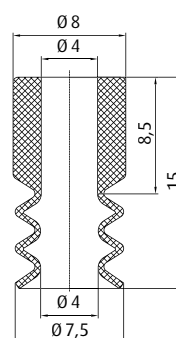


	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.**  
**21.007.120.\_\***

**Material**  
SI (tr)

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

**BESTSELLER**

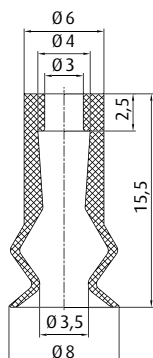
**Item no.**  
**21.008.094.\_\***

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

4 mm

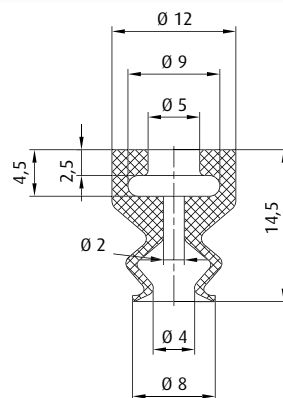
Additional sizes available are found on p. 89.

\* 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
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413

<b>Item no.</b> <b>23.008.057._*</b>	<b>Material</b> SI (tr), SI-AS (sw)	3.5 mm
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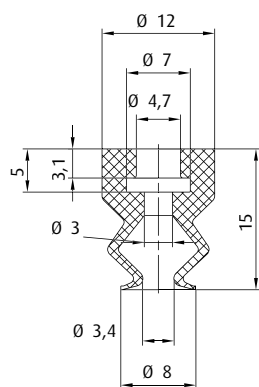


	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

		see page
50.018	8.5 mm	454
50.019	8.5 mm	454

<b>Item no.</b> <b>23.008.146._*</b>	<b>Material</b> NBR (sw), SI (tr)	5 mm
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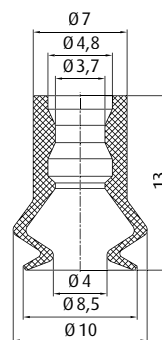
Additional sizes available are found on p. 122.



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

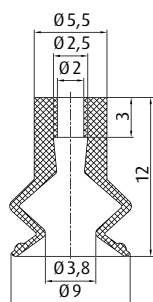
		see page
50.141	10 mm	456
50.018	8.5 mm	454

<b>Item no.</b> <b>21.008.126._*</b>	<b>Material</b> SI (r)	8 mm
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	Connection	see page
270.399	M5-male	410

<b>Item no.</b> <b>23.008.225._*</b>	<b>Material</b> SI (tr)	3 mm
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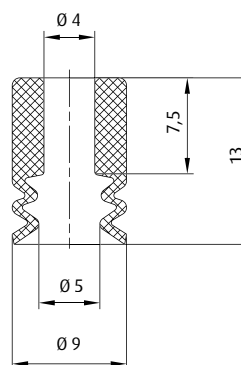


	Connection	see page
270.153	M5-male	409

**BESTSELLER**

<b>Item no.</b> <b>23.008.166._*</b>	<b>Material</b> SI (r), SI-AS (sw), CR (sw), HNBR (ge)	3.5 mm
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Additional sizes available are found on p. 100.



	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

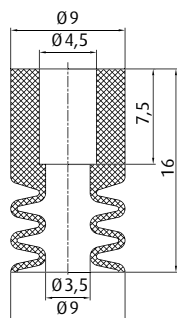
<b>Item no.</b> <b>21.009.029._*</b>	<b>Material</b> PU (bl)	1.5 mm
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



## Vacuum cups by size | Bellows vacuum cups by Ø

Ø 9 - 10 mm

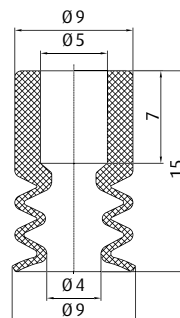


	Connection	see page
270.013	M5-male	410
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
**21.009.100.\_\***

**Material**  
NBR (sw)

3.5 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

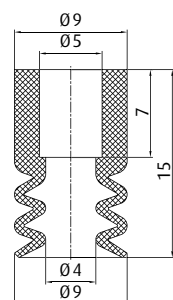
**BESTSELLER**

**Item no.**  
**21.009.002.\_\***

**Material**  
NBR (sw), HNBR (ge), SI (tr),  
SI-AS (sw), NR (gr), PU (bl)

2 mm

Additional sizes available are found on p. 89.



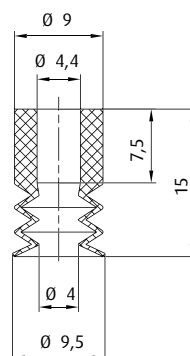
	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
**21.009.106.\_\***

**Material**  
Vulkollan® (br)

2 mm

Additional sizes available are found on p. 97.



	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

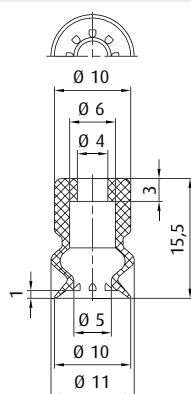
**UP TO 160 °C &  
MINIMUM MARKING**

**Item no.**  
**21.009.148.\_\***

**Material**  
Thermalon® (bl)

3 mm

Additional sizes available are found on p. 92.



	Connection	see page
270.458	M4-male	408
270.134	M5-male	409
270.104	M6-male	413

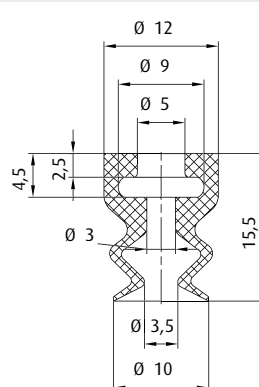
		see page
50.103	6 mm	454
50.104	6 mm	454
50.125	10 mm	454
50.126	15 mm	454
50.127	20 mm	454

**Item no.**  
**23.010.139.\_\***

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

4 mm

Additional sizes available are found on p. 119.



	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

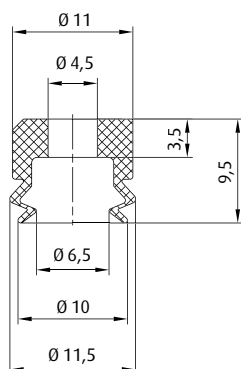
**Item no.**  
**23.010.147.\_\***

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

5 mm

Additional sizes available are found on p. 122.

\* 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



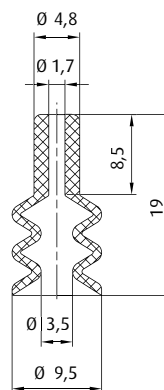
	Connection	see page
270.310	M5-male	411
270.493	G1/8-male	420
270.494	G1/8-female	423
50.330	10 mm	454

**Item no.**  
**23.010.163.\_\***

**Material**  
SI (tr)

2.5 mm

This vacuum cup is also available in the following dimensions: 6 mm, 15 mm, 20 mm, 30 mm

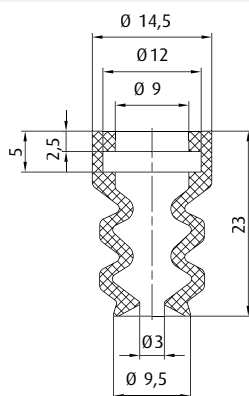


	Connection	see page
270.195	M5-male	409

**Item no.**  
**21.010.061.\_\***

**Material**  
Vinyl (bl)

8 mm

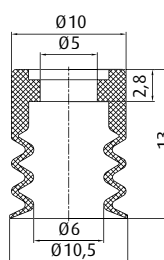


	Connection	see page
270.541	G1/8-male	421

**Item no.**  
**21.010.071.\_\***

**Material**  
Vinyl (bl)

8 mm



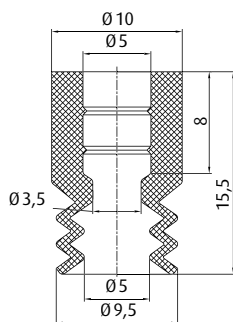
	Connection	see page
270.094	M5-male	411
270.095	G1/8-male	418
270.096	G1/8-female	422

**Item no.**  
**21.010.005.\_\***

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

4 mm

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

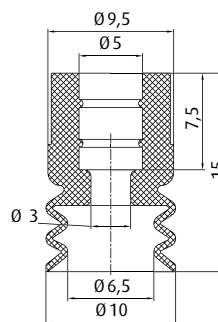


	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
**21.010.004.\_\***

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

3 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.**  
**21.010.056.\_\***

**Material**  
SI (bl), SI (r)

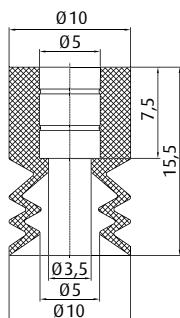
4 mm

\* 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 | Bellows vacuum cups by Ø

Ø 10 - 11 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

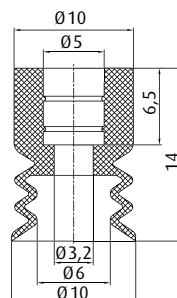
**BESTSELLER**

**Item no.**  
**21.010.070.\_\***

**Material**  
Vinyl (bl)

5 mm

Additional sizes available are found on p. 116.

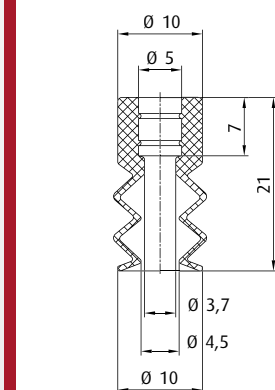


	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
**21.010.078.\_\***

**Material**  
SI (r), SI (tr), PU (bg)

4 mm



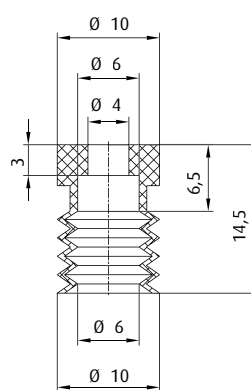
	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
**21.010.119.\_\***

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

8 mm

Additional sizes available are found on p. 89.



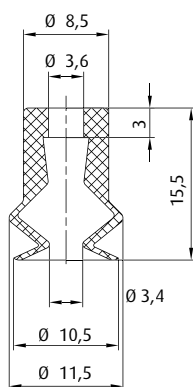
	Connection	see page
270.458	M4-male	408
270.009	G1/8-male	417
270.007	G1/8-female	422

**Item no.**  
**25.010.044.\_\***

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

4 mm

Additional sizes available are found on p. 124.

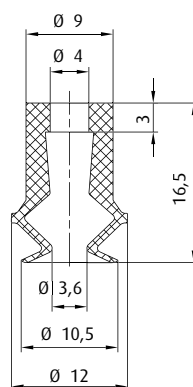


	Connection	see page
270.134	M5-male	409
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.**  
**23.011.138.\_\***

**Material**  
SI (r)

4 mm



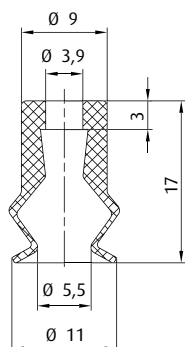
	Connection	see page
270.134	M5-male	409
270.104	M6-male	413
270.033	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
**23.011.173.\_\***

**Material**  
SI (tr)

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



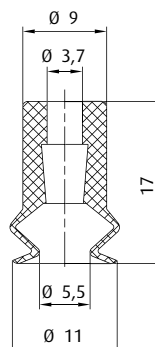
	Connection	see page
270.134	M5-male	409
270.104	M6-male	413

**Item no.**  
**23.011.007.\_\***

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

5 mm

Additional sizes available are found on p. 100.

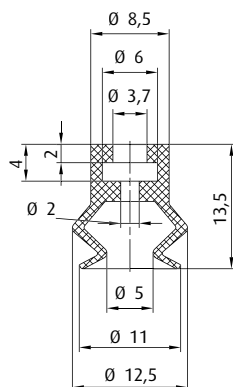


	Connection	see page
270.134	M5-male	409
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.**  
**23.011.131.\_\***

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

4 mm



	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

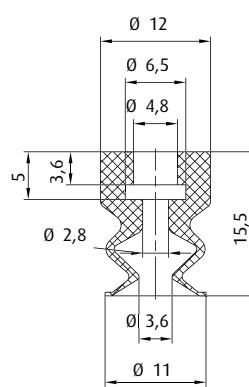
	Connection	see page
50.330	10 mm	454

**Item no.**  
**23.010.123.\_\***

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

4 mm

This vacuum cup is also available in the following dimensions: 15 mm, 21 mm, 32 mm, 42 mm, 54 mm

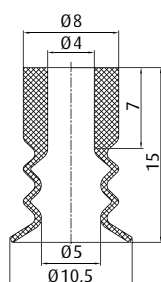


	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

**Item no.**  
**21.010.127.\_\***

**Material**  
SI (r)

6 mm

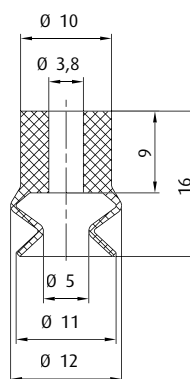


	Connection	see page
270.013	M5-male	410
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
**21.011.095.\_\***

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

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

**UP TO 160 °C &  
MINIMUM MARKING**

**Item no.**  
**23.011.234.\_\***

**Material**  
Thermalon® (bl)

5.5 mm

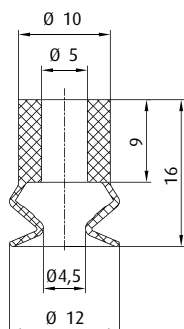
Additional sizes available are found on p. 84.

\* 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 | Bellows vacuum cups by Ø

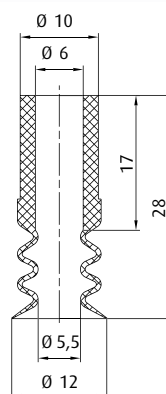
Ø 12 - 13 mm



	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
	Connection	see page
50.037	25 mm	456

**Item no.** 23.011.008.\_\* **Material** NBR (sw), HNBR (ge), SI (tr) 4.5 mm

Additional sizes available are found on p. 81.

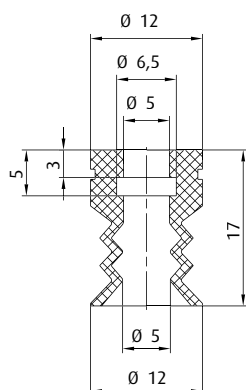


	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

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

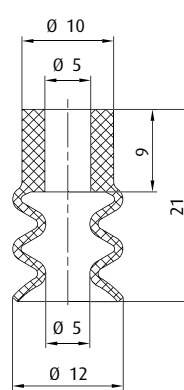
**Item no.** 21.012.079.\_\* **Material** NBR (sw), SI (w), SI (tr) 7 mm

Additional sizes available are found on p. 125.



	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422
	Connection	see page
50.141	10 mm	456
50.018	8.5 mm	454

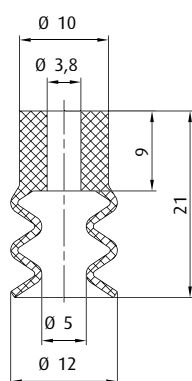
**Item no.** 21.012.108.\_\* **Material** SI (r) 5 mm



	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.** 21.012.135.\_\* **Material** NBR (sw), HNBR (ge), SI (tr), NR (gr), PU (bl) 7 mm

Additional sizes available are found on p. 89.

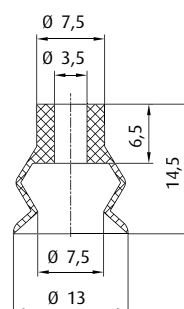


	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**UP TO 160 °C &  
MINIMUM MARKING**

**Item no.** 21.012.149.\_\* **Material** Thermalon® (bl) 7 mm

Additional sizes available are found on p. 92.



	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

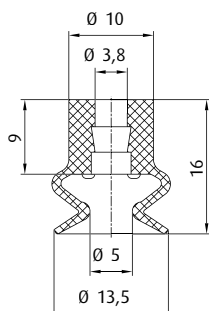
**BESTSELLER**

**Item no.** 23.013.097.\_\* **Material** Vinyl (bl) 5 mm

Additional sizes available are found on p. 113.

\* 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





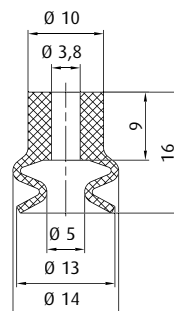
	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

	Connection	see page
50.037	25 mm	456

**Item no.** 23.013.120. \* **Material** NBR (sw), SI (tr), NR (gr) **4 mm**

Additional sizes available are found on p. 81.

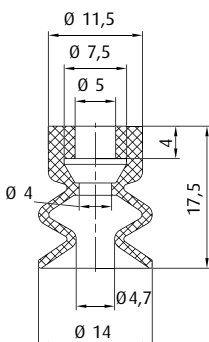


	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**UP TO 160 °C & MINIMUM MARKING**

**Item no.** 23.014.235. \* **Material** Thermalon® (bl) **5 mm**

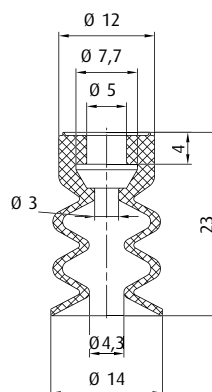
Additional sizes available are found on p. 84.



	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

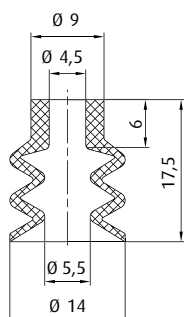
**Item no.** 23.014.010. \* **Material** NBR (sw), SI (r), NR (bg), PU (bl) **8 mm**

This vacuum cup is also available in the following dimensions: 24 mm, 40 mm, 60 mm



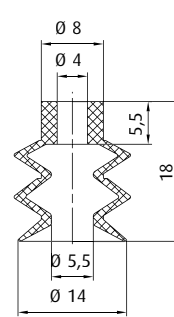
	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.** 21.014.006. \* **Material** NBR (sw), SI (r), NR (bg), PU (bl) **10 mm**



	Connection	see page
270.024	M5-male	410
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.** 21.014.046. \* **Material** PU (r) **7 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

**BESTSELLER**

**Item no.** 21.014.053. \* **Material** HNBR (ge), SI (tr), CR (sw) **9 mm**

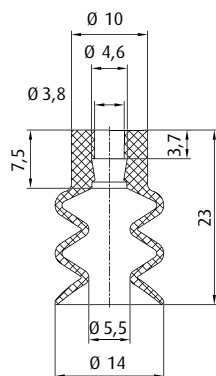
Additional sizes available are found on p. 84.

\* 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 | Bellows vacuum cups by Ø

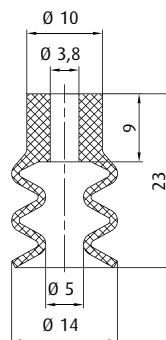
Ø 14 - 15 mm



	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

<b>Item no.</b> <b>21.014.133._*</b>	<b>Material</b> NBR (sw), SI (tr), NR (gr)	<b>11 mm</b>
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Additional sizes available are found on p. 89.

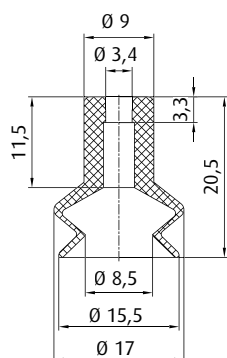


	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**UP TO 160 °C & MINIMUM MARKING**

<b>Item no.</b> <b>21.014.150._*</b>	<b>Material</b> Thermalon® (bl)	<b>10 mm</b>
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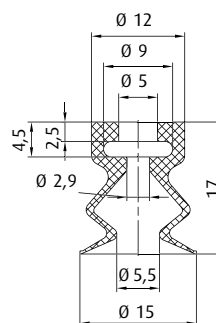
Additional sizes available are found on p. 92.






	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

<b>Item no.</b> <b>23.015.098._*</b>	<b>Material</b> Vinyl (bl)	<b>5 mm</b>
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Additional sizes available are found on p. 113.

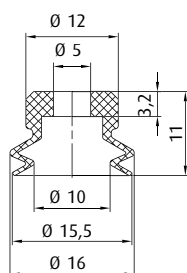



	<b>Connection</b>	<b>see page</b>
<b>270.200</b>	M5-male	411
<b>270.064</b>	G1/8-male	418
<b>270.065</b>	G1/8-female	422



		<b>see page</b>
<b>50.018</b>	8.5 mm	454
<b>50.019</b>	8.5 mm	454

<b>Item no.</b> <b>23.015.148._*</b>	<b>Material</b> NBR (sw), SI (tr)	<b>7 mm</b>
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Additional sizes available are found on p. 122.

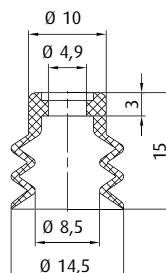


	<b>Connection</b>	<b>see page</b>
<b>270.310</b>	M5-male	411
<b>270.493</b>	G1/8-male	420
<b>270.494</b>	G1/8-female	423

		<b>see page</b>
<b>50.330</b>	10 mm	454

<b>Item no.</b> <b>23.015.164._*</b>	<b>Material</b> NBR (sw), SI (tr)	<b>3.5 mm</b>
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This vacuum cup is also available in the following dimensions: 6 mm, 10 mm, 20 mm, 30 mm

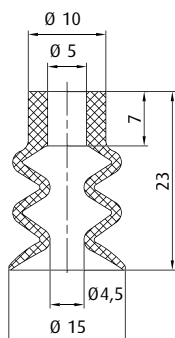


	Connection	see page
270.094	M5-male	411
270.095	G1/8-male	418
270.096	G1/8-female	422

<b>Item no.</b> <b>21.015.009._*</b>	<b>Material</b> NBR (sw), SI (tr)	<b>5 mm</b>
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This vacuum cup is also available in the following dimensions: 10 mm, 18 mm, 24 mm, 30 mm, 40 mm

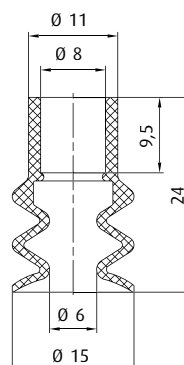
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



	Connection	see page
270.013	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

<b>Item no.</b> <b>21.014.007.*</b>	<b>Material</b> NBR (sw), SI (tr), PU (bl)	12 mm
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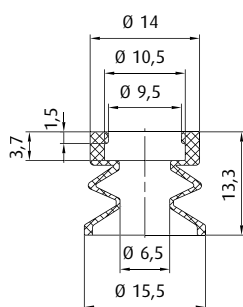
Additional sizes available are found on p. 89.



	Connection	see page
270.112	G1/8-male	419
270.113	G1/4-male	425

<b>Item no.</b> <b>21.015.008.*</b>	<b>Material</b> NBR (sw), SI (r)	7 mm
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This vacuum cup is also available in the following dimensions: 20 mm, 30 mm

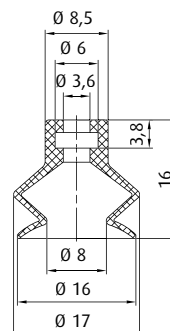


	Connection	see page
270.311	M5-male	411
270.312/19	M6-male	414

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

<b>Item no.</b> <b>23.016.232.*</b>	<b>Material</b> SI (tr)	6 mm
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Additional sizes available are found on p. 130.

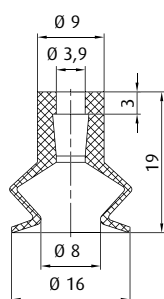


	Connection	see page
270.010	M5-male	411
270.005	M5-female	412
270.009	G1/8-male	417
270.007	G1/8-female	422

		see page
50.330	10 mm	454

<b>Item no.</b> <b>23.015.122.*</b>	<b>Material</b> NBR (sw), SI (tr), PU (bl), HNBR (ge)	5 mm
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Additional sizes available are found on p. 86.  
This vacuum cup is also available in the following dimensions: 11 mm, 21 mm, 32 mm, 42 mm, 54 mm

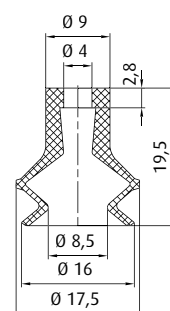


	Connection	see page
270.134	M5-male	409
270.104	M6-male	413

**BESTSELLER**

<b>Item no.</b> <b>23.016.015.*</b>	<b>Material</b> SI (tr), SI-AS (sw), CR (sw)	7 mm
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Additional sizes available are found on p. 100.



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

<b>Item no.</b> <b>23.016.174.*</b>	<b>Material</b> SI (tr)	5 mm
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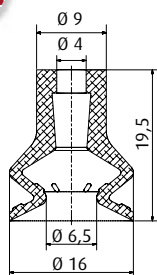
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Bellows vacuum cups by Ø

Ø 16 mm

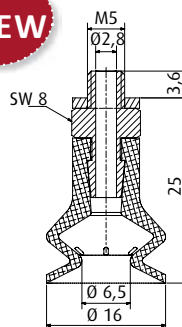
**NEW**



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

Spare cup

**NEW**



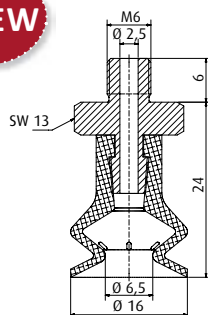
Item no. <b>23.016.263._*</b>	Material Varioflex® 60/30° (sw/r)	4.5 mm
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Additional sizes available are found on p. 107.

Item no. <b>22.016.253._*</b>	Material Varioflex® 60/30° (sw/r)	4.5 mm
----------------------------------	--------------------------------------	--------

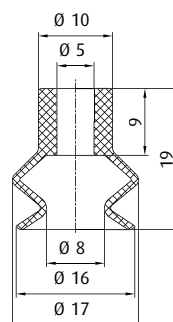
Additional sizes available are found on p. 107.

**NEW**



Item no. <b>22.016.254._*</b>	Material Varioflex® 60/30° (sw/r)	4.5 mm
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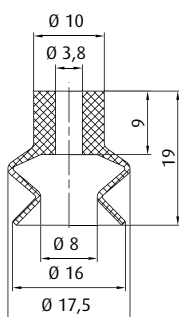
Additional sizes available are found on p. 107.



	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. <b>23.016.016._*</b>	Material NBR (sw), HNBR (ge), SI (tr)	6 mm
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Additional sizes available are found on p. 81.

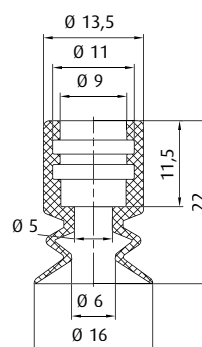


	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**UP TO 160 °C &  
MINIMUM MARKING**

Item no. <b>23.016.236._*</b>	Material Thermalon® (bl)	8.5 mm
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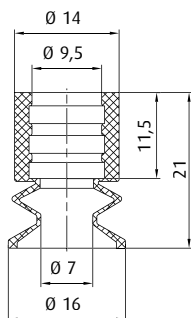
Additional sizes available are found on p. 84.



	Connection	see page
270.244	M5-male	410

Item no. <b>23.016.104._*</b>	Material Vinyl (bl)	7 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



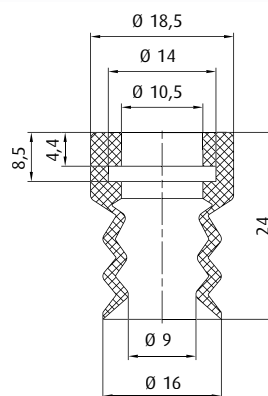
	Connection	see page
270.244	M5-male	410
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

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

**Item no.** 27.016.001.\* **Material** SI (tr), NR (sw) 6 mm

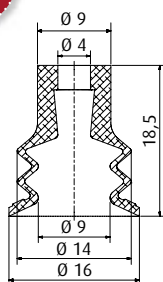
Additional sizes available are found on p. 125.



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

**Item no.** 21.016.072.\* **Material** Vinyl (bl) 9 mm

**NEW**

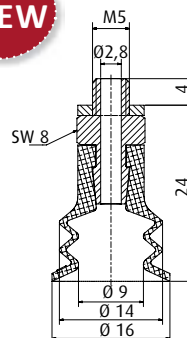


	Connection	see page
270.134	M5-male	409
270.104	M6-male	413

**Item no.** 21.016.175.\* **Material** Varioflex® 60/30° (sw/r) 5.5 mm

Additional sizes available are found on p. 110.

**NEW**

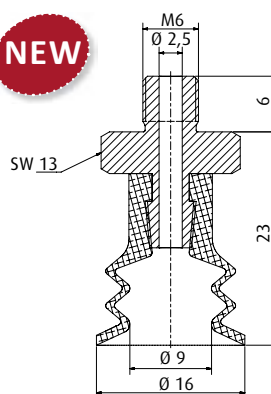


**Item no.** 20.016.145.\* **Material** Varioflex® 60/30° (sw/r) 5.5 mm

Additional sizes available are found on p. 110.

Spare cup

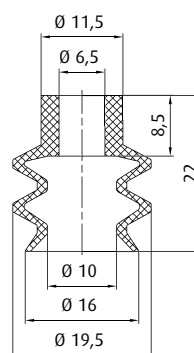
**NEW**



**Item no.** 20.016.146.\* **Material** Varioflex® 60/30° (sw/r) 5.5 mm

Additional sizes available are found on p. 110.

	Connection	see page
270.274	G1/4-male	427
270.275	G1/4-female	432



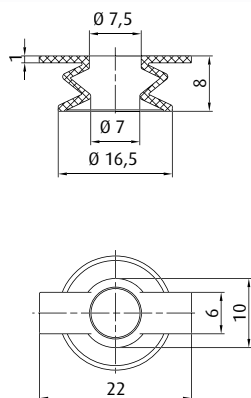
**Item no.** 21.015.050.\* **Material** SI (tr), NR (bg) 10 mm

\* 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 | Bellows vacuum cups by Ø

Ø 17 - 18 mm

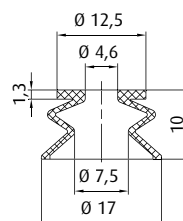


**Item no.**  
**23.017.102.\_\***

**Material**  
NR (sw)

5.5 mm

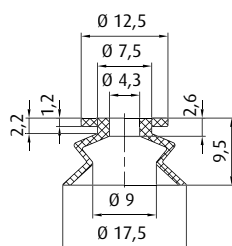
Additional sizes available are found on p. 23.



**Item no.**  
**23.017.100.\_\***

**Material**  
NR (br)

6 mm

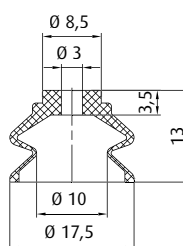


**Item no.**  
**23.016.086.\_\***

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

6 mm

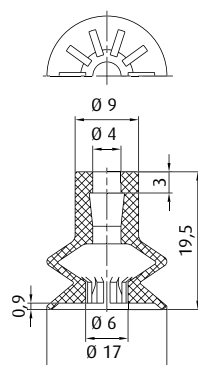
Connection	see page
270.010 M5-male	411
270.005 M5-female	412
270.009 G1/8-male	417
270.007 G1/8-female	422



**Item no.**  
**23.017.105.\_\***

**Material**  
NR (sw)

7 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

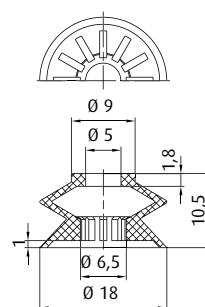
**BESTSELLER**

**Item no.**  
**23.018.175.\_\***

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

5.5 mm

Additional sizes available are found on p. 23.



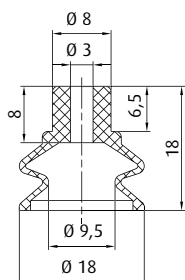
**Item no.**  
**23.018.183.\_\***

**Material**  
NR (or)

5.5 mm

Additional sizes available are found on p. 25.

\* 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

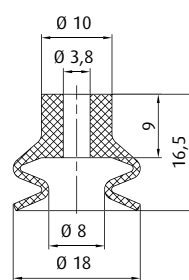


	Connection	see page
270.022	M5-male	409
270.347	M5-female	412

**Item no.**  
**23.018.101.\_\***

**Material**  
NR (sw)

6 mm



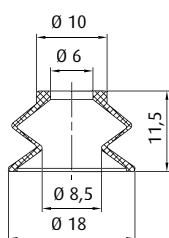
	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.**  
**23.018.237.\_\***

**Material**  
Thermalon® (bl)

5 mm

Additional sizes available are found on p. 84.

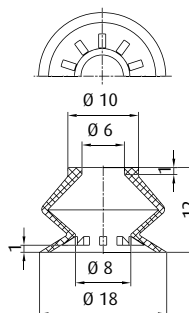


	Connection	see page
270.105	M6-male	414
270.040	M8-male	415
270.077	G1/8-male	419

**Item no.**  
**23.018.019.\_\***

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

8 mm



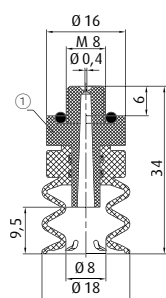
	Connection	see page
270.105	M6-male	414
270.040	M8-male	415
270.077	G1/8-male	419

**Item no.**  
**23.018.082.\_\***

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

5.5 mm

Additional sizes available are found on p. 23.



Spare cup

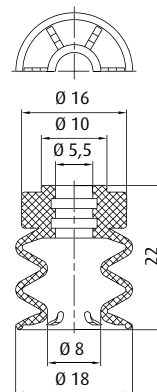
**REDUCED LEAKAGE**

① = Special fitting with installed orifice Ø 0.4 mm.  
Material: PA6/ O-ring NBR

**Item no.**  
**20.018.125.\_\***

**Material**  
NBR (gr)

9.5 mm



	Connection	see page
270.443	M5-male	410
270.378	M8-male	415
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

**Item no.**  
**21.018.118.\_\***

**Material**  
NBR (gr)

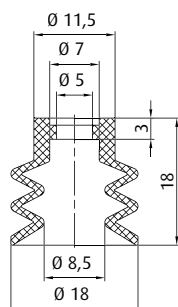
10 mm

\* 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 | Bellows vacuum cups by Ø

Ø 18 mm



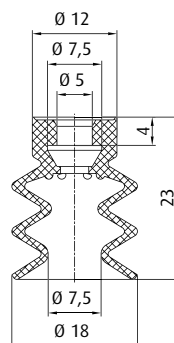
	Connection	see page
270.013	M5-male	410
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
**21.018.012.\_\***

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

7 mm

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

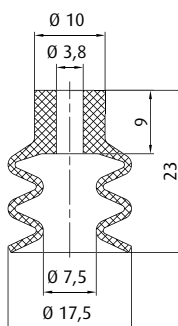


	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
**21.018.011.\_\***

**Material**  
NBR (sw), SI (r), NR (bg), PU (bl)

8 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

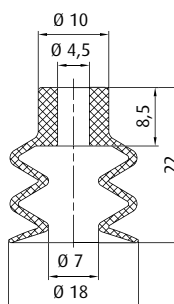
**UP TO 160 °C &  
MINIMUM MARKING**

**Item no.**  
**21.018.151.\_\***

**Material**  
Thermalon® (bl)

10 mm

Additional sizes available are found on p. 92.



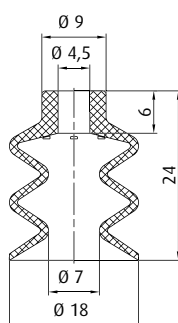
	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
**21.018.010.\_\***

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

8 mm

Additional sizes available are found on p. 89.

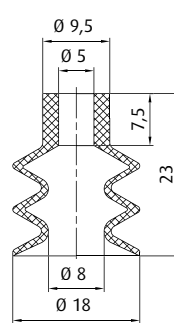


	Connection	see page
270.024	M5-male	410
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.**  
**21.018.047.\_\***

**Material**  
PU (g)

12 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
270.194	G1/4-male	425

**BESTSELLER**

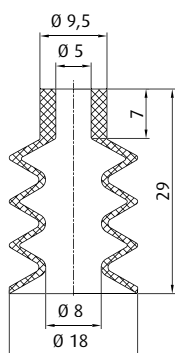
**Item no.**  
**21.018.013.\_\***

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

9 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



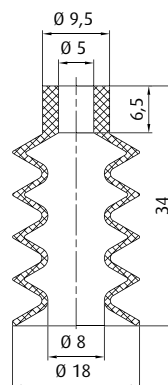


	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

**BESTSELLER**

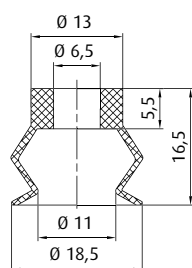
<b>Item no.</b> <b>25.018.031._*</b>	<b>Material</b> NBR (sw), SI (tr)	12 mm
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Additional sizes available are found on p. 96.



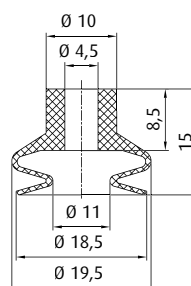
	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

<b>Item no.</b> <b>25.018.032._*</b>	<b>Material</b> SI (tr)	14 mm
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	Connection	see page
270.039	M6-male	414
270.063	G1/8-male	419
270.061	G1/8-female	422

<b>Item no.</b> <b>23.019.021._*</b>	<b>Material</b> NBR (sw), SI (tr)	8 mm
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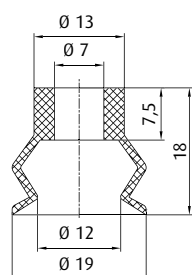
	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

		see page
50.037	25 mm	456

**BESTSELLER**

<b>Item no.</b> <b>23.019.119._*</b>	<b>Material</b> NBR (sw), SI (tr)	4 mm
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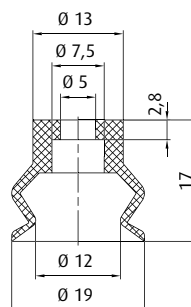
Additional sizes available are found on p. 81.



	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

<b>Item no.</b> <b>23.019.109._*</b>	<b>Material</b> Vinyl (bl)	8 mm
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Additional sizes available are found on p. 113.



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

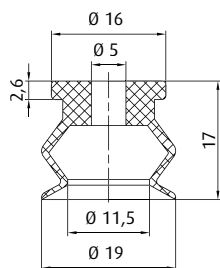
<b>Item no.</b> <b>23.019.179._*</b>	<b>Material</b> Vinyl (bl)	7 mm
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



## Vacuum cups by size | Bellows vacuum cups by Ø

Ø 19 - 20 mm

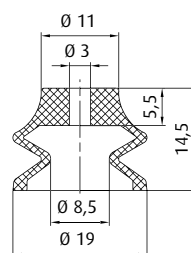


	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.**  
**23.019.110.\_\***

**Material**  
Vinyl (bl)

8 mm

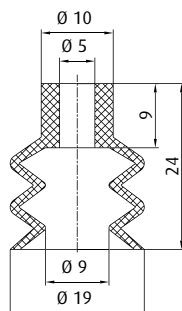


**Item no.**  
**23.019.168.\_\***

**Material**  
NR (bl), NR (br)

5.5 mm

Additional sizes available are found on p. 23.



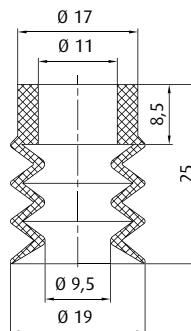
	Connection	see page
270.013	M5-male	410
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

**Item no.**  
**21.018.068.\_\***

**Material**  
Vinyl (bl)

11 mm

Additional sizes available are found on p. 116.



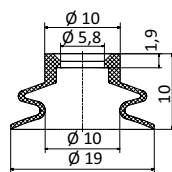
	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
**25.019.037.\_\***

**Material**  
Vinyl (bl)

10 mm

**NEW**



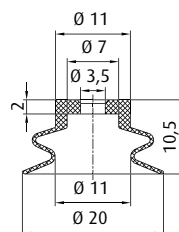
	Connection	see page
270.200	M5-male	411
270.064	G1/8-male	418
270.065	G1/8-female	422

**Item no.**  
**23.019.254.\_\***

**Material**  
SI (tr)

3.5 mm

Additional sizes available are found on p. 23.



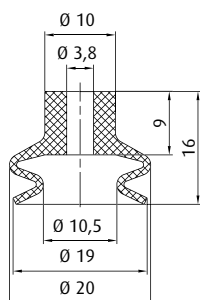
	Connection	see page
270.310	M5-male	411
270.493	G1/8-male	420
270.494	G1/8-female	423

**Item no.**  
**23.020.103.\_\***

**Material**  
NR (bg)

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

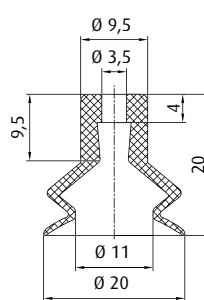


	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**UP TO 160 °C & MINIMUM MARKING**

<b>Item no.</b> <b>23.020.238._*</b>	<b>Material</b> Thermalon® (bl)	5 mm
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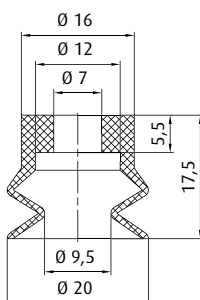
Additional sizes available are found on p. 84.



	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

<b>Item no.</b> <b>23.020.114._*</b>	<b>Material</b> Vinyl (bl)	6 mm
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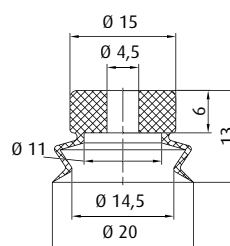
Additional sizes available are found on p. 113.



	Connection	see page
270.311	M5-male	411
270.312/19	M6-male	414
270.480	G1/8-male	420
270.479	G1/8-female	423

**WEAR-RESISTANT**

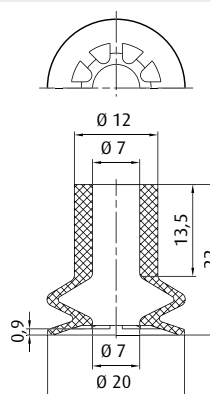
<b>Item no.</b> <b>23.020.121._*</b>	<b>Material</b> Tepuflex® (or), Vulkollan® (br)	5 mm
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	Connection	see page
270.311	M5-male	411
270.063	G1/8-male	419
270.061	G1/8-female	422

<b>Item no.</b> <b>23.020.154._*</b>	<b>Material</b> SI (tr)	4 mm
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This vacuum cup is also available in the following dimensions: 6 mm, 10 mm, 15 mm, 30 mm



	Connection	see page
270.030	G1/8-male	419
270.019	G1/8-female	423
270.113	G1/4-male	425
270.275	G1/4-female	432

<b>Item no.</b> <b>23.020.133._*</b>	<b>Material</b> NBR (sw), SI (tr)	4 mm
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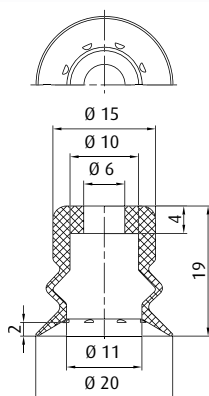
Additional sizes available are found on p. 23.

\* 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 | Bellows vacuum cups by Ø

Ø 20 mm



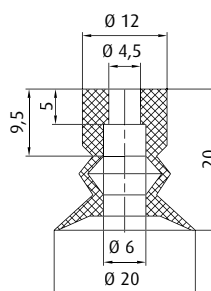
	Connection	see page
270.311	M5-male	411
270.459	M6-male	414
270.480	G1/8-male	420
270.479	G1/8-female	423

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

<b>Item no.</b> <b>23.020.140._*</b>	<b>Material</b> NBR (sw), SI (tr)	6 mm
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Additional sizes available are found on p. 119.



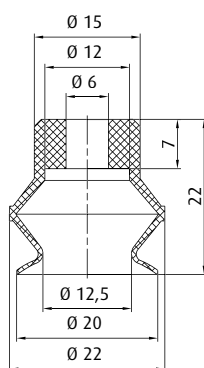
	Connection	see page
270.317	M5-male	410
270.103	M6-male	413
270.205	G1/8-male	416
270.109	G1/8-female	421
270.194	G1/4-male	425

		see page
50.020	8.5 mm	454

<b>Item no.</b> <b>23.020.149._*</b>	<b>Material</b> NBR (sw), SI (tr)	6 mm
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Additional sizes available are found on p. 122.



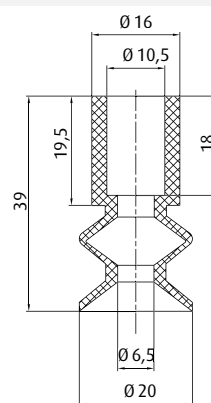
	Connection	see page
270.312/19	M6-male	414
270.482	G1/8-male	420
270.481	G1/8-female	423
270.483	G1/4-male	429
270.484	G1/4-female	433

		see page
50.095	20 mm	456
50.096	30 mm	456
50.097	40 mm	456
50.098	50 mm	456

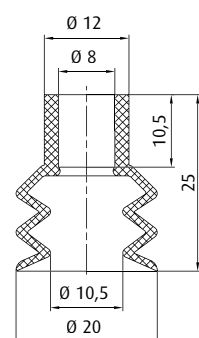
<b>Item no.</b> <b>23.020.169._*</b>	<b>Material</b> Vulkollan® (br)	7 mm
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Additional sizes available are found on p. 97.



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

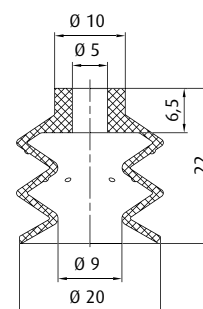
<b>Item no.</b> <b>23.020.027._*</b>	<b>Material</b> SI (tr), NR (sw), NR (br)	10 mm
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	Connection	see page
270.112	G1/8-male	419
270.113	G1/4-male	425
270.178	G1/4-female	431

<b>Item no.</b> <b>21.020.014._*</b>	<b>Material</b> NBR (sw), SI (tr)	10 mm
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This vacuum cup is also available in the following dimensions: 15 mm, 30 mm

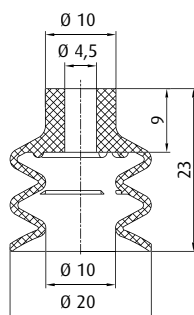


	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

<b>Item no.</b> <b>21.020.015._*</b>	<b>Material</b> NBR (sw), SI (tr), NR (sw)	11 mm
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**BESTSELLER**

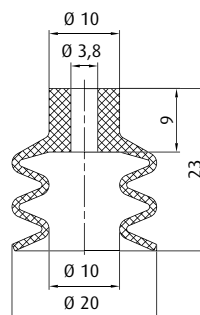
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



	Connection	see page
270.013	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.** 21.020.016.\* **Material** NBR (sw), HNBR (ge), SI (tr) **Ø** 9 mm

Additional sizes available are found on p. 89.

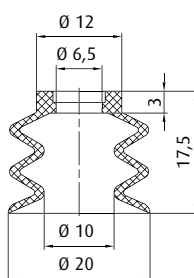


	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**UP TO 160 °C & MINIMUM MARKING**

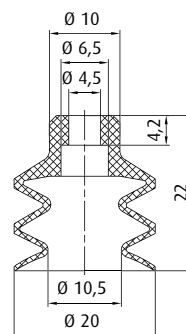
**Item no.** 21.020.152.\* **Material** Thermalon® (bl) **Ø** 10 mm

Additional sizes available are found on p. 92.



	Connection	see page
270.039	M6-male	414
270.247	M8-male	415
270.543	G1/8-male	419

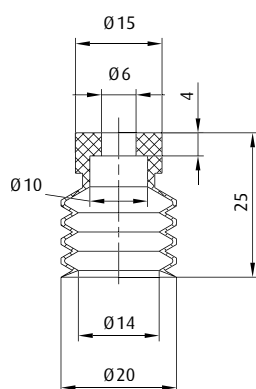
**Item no.** 21.020.073.\* **Material** SI (tr) **Ø** 9 mm



	Connection	see page
270.024	M5-male	410
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**Item no.** 21.020.090.\* **Material** Vulkollan® (br) **Ø** 8 mm

Additional sizes available are found on p. 97.



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

**Item no.** 25.020.045.\* **Material** NBR (sw), SI (tr) **Ø** 10 mm

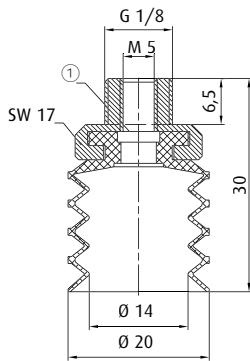
Additional sizes available are found on p. 124.

\* 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 | Bellows vacuum cups by Ø

Ø 20 - 21 mm

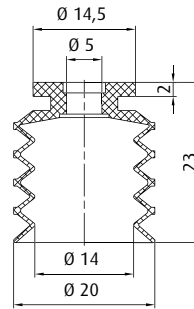


① = Filter screen

<b>Item no.</b> <b>24.020.033._*</b>	<b>Material</b> SI (tr), CR (sw)	16 mm
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Additional sizes available are found on p. 104.

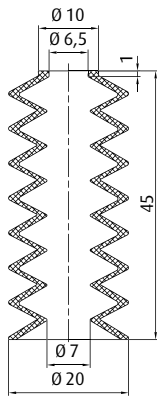
Spare cup



<b>Item no.</b> <b>25.020.025._*</b>	<b>Material</b> SI (tr), CR (sw)	16 mm
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Additional sizes available are found on p. 100.

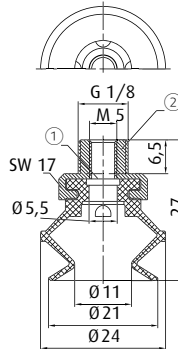
	Connection	see page
	M5-female	413
	G1/8-male	418
	G1/8-male	418



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

<b>Item no.</b> <b>25.020.002._*</b>	<b>Material</b> SI (w)	26 mm
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Additional sizes available are found on p. 104.

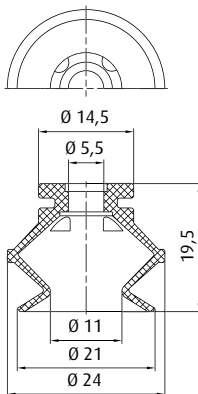


① = Filter screen ② = Aluminium

<b>Item no.</b> <b>22.020.020._*</b>	<b>Material</b> Tepuflex® (or), SI (tr), CR (sw)	9 mm
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Additional sizes available are found on p. 104.

Spare cup



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

**BESTSELLER**

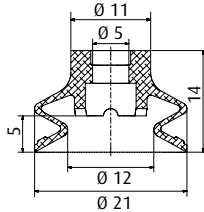
<b>Item no.</b> <b>23.020.026._*</b>	<b>Material</b> Tepuflex® (or), SI (tr), CR (sw)	9 mm
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Additional sizes available are found on p. 100.

\* 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**



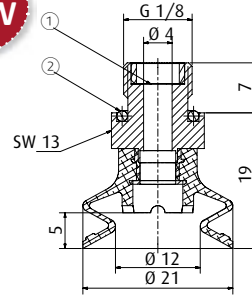
	Connection	see page
270.500-S	M5-female	413
270.503-S	G1/8-male	418

Spare cup

<b>Item no.</b> <b>23.021.264._ *</b>	<b>Material</b> Varioflex® 60/30° (sw/r)	5 mm
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Additional sizes available are found on p. 107.

**NEW**

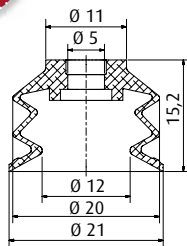


① = Filter screen ② = O-ring

<b>Item no.</b> <b>22.021.255._ *</b>	<b>Material</b> Varioflex® 60/30° (sw/r)	5 mm
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Additional sizes available are found on p. 107.

**NEW**



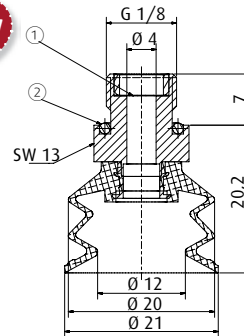
	Connection	see page
270.500-S	M5-female	413
270.503-S	G1/8-male	418

Spare cup

<b>Item no.</b> <b>21.021.176._ *</b>	<b>Material</b> Varioflex® 60/30° (sw/r)	6.5 mm
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Additional sizes available are found on p. 110.

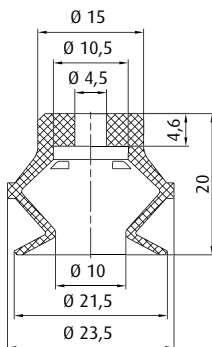
**NEW**



① = Filter screen ② = O-ring

<b>Item no.</b> <b>20.021.147._ *</b>	<b>Material</b> Varioflex® 60/30° (sw/r)	6.5 mm
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Additional sizes available are found on p. 110.



	Connection	see page
270.311	M5-male	411
270.063	G1/8-male	419
270.061	G1/8-female	422

<b>Item no.</b> <b>23.020.124._ *</b>	<b>Material</b> NBR (sw), HNBR (ge), SI (tr), PU (bl)	8 mm
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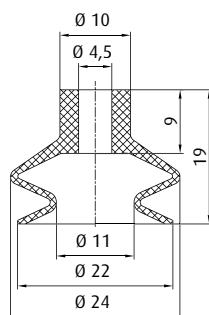
Additional sizes available are found on p. 86.  
This vacuum cup is also available in the following dimensions: 11 mm, 15 mm, 32 mm, 42 mm, 54 mm

\* 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 | Bellows vacuum cups by Ø

Ø 22 - 24 mm



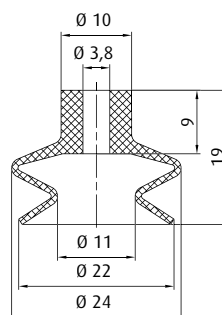
	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

	see page
50.037 25 mm	456

**BESTSELLER**

<b>Item no.</b> <b>23.022.028._*</b>	<b>Material</b> NBR (sw), SI (tr), Vinyl (bl)	8 mm
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Additional sizes available are found on p. 113.

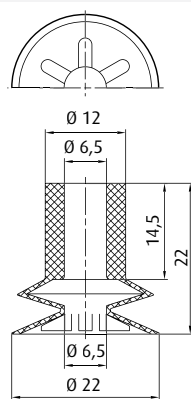


	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

**UP TO 160 °C & MINIMUM MARKING**

<b>Item no.</b> <b>23.022.239._*</b>	<b>Material</b> Thermalon® (bl)	8 mm
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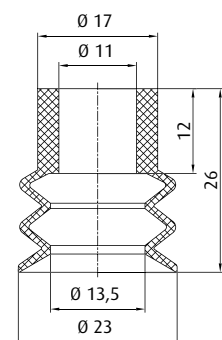
Additional sizes available are found on p. 84.



	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> <b>23.023.099._*</b>	<b>Material</b> NR (br)	5 mm
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Additional sizes available are found on p. 23.

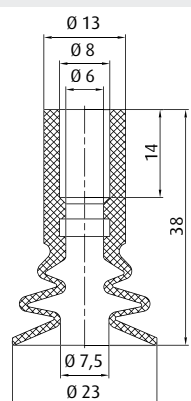


	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**BESTSELLER**

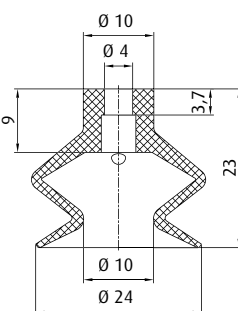
<b>Item no.</b> <b>21.023.066._*</b>	<b>Material</b> Vinyl (bl)	9 mm
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Additional sizes available are found on p. 116.



	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

<b>Item no.</b> <b>21.023.102._*</b>	<b>Material</b> SI (g)	12 mm
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	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

	see page
50.037 25 mm	456

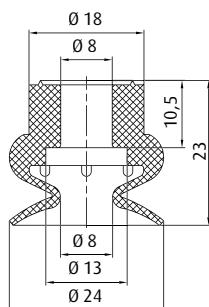
**BESTSELLER**

<b>Item no.</b> <b>23.025.137._*</b>	<b>Material</b> NBR (sw), SI (tr), NR (gr)	9 mm
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Additional sizes available are found on p. 81.

\* 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





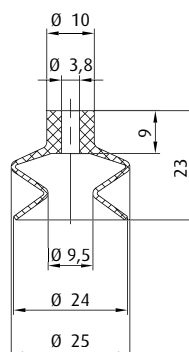
	Connection	see page
270.093	G1/8-male	421
270.092	G1/8-female	424
270.249	G1/4-male	427
270.248	G1/4-female	433

**Item no.**  
**23.025.030. \***

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

5 mm

This vacuum cup is also available in the following dimensions: 14 mm, 40 mm, 60 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

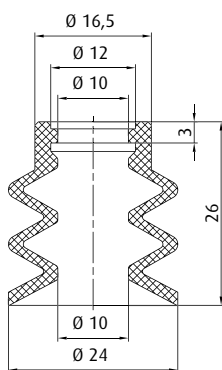
**UP TO 160 °C &  
MINIMUM MARKING**

**Item no.**  
**23.025.240. \***

**Material**  
Thermalon® (bl)

12 mm

Additional sizes available are found on p. 84.



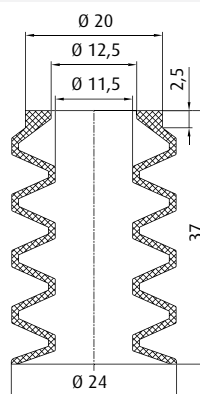
	Connection	see page
270.097	G1/4-male	426
270.098	G1/4-female	432

**Item no.**  
**21.024.017. \***

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

10 mm

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

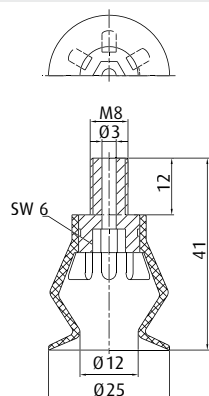


	Connection	see page
270.233	G1/8-female	438

**Item no.**  
**25.024.057. \***

**Material**  
SI (tr)

20 mm

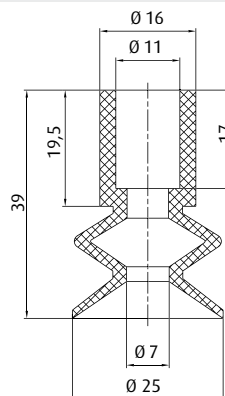


**Item no.**  
**22.025.029. \***

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

11 mm

This vacuum cup is also available in the following dimensions: 31 mm, 44 mm



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

**Item no.**  
**23.025.032. \***

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

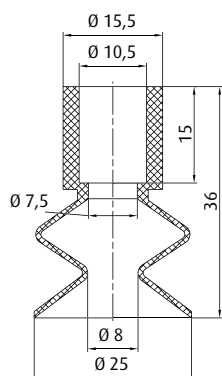
12 mm

\* 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 | Bellows vacuum cups by Ø

Ø 25 mm

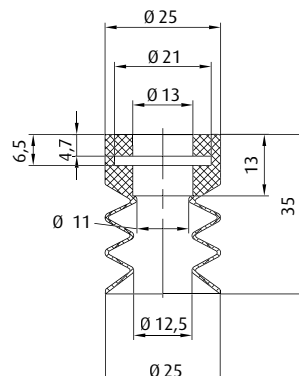


	Connection	see page
270.244	M5-male	410
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

Item no.  
23.025.200.\_\*

Material  
Vulkollan® (br)

13 mm

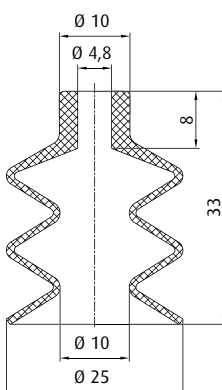


	Connection	see page
270.049-1	G1/4-male	426

Item no.  
21.025.059.\_\*

Material  
SI (tr)

16 mm



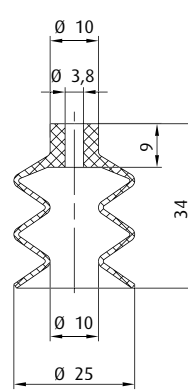
	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

Item no.  
21.025.060.\_\*

Material  
NBR (sw), SI (tr)

19 mm

Additional sizes available are found on p. 89.



	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

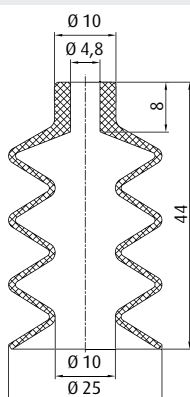
UP TO 160 °C &  
MINIMUM MARKING

Item no.  
21.025.153.\_\*

Material  
Thermalon® (bl)

20 mm

Additional sizes available are found on p. 92.



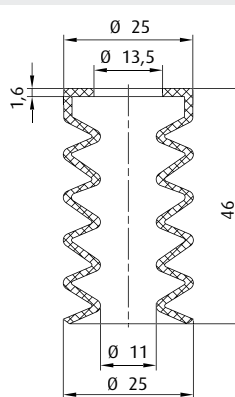
	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

Item no.  
25.025.005.\_\*

Material  
NBR (sw), SI (tr)

24 mm

Additional sizes available are found on p. 96.



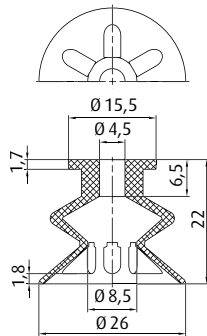
	Connection	see page
270.182.U	G1/4-male	431
270.182	G1/4-female	434

Item no.  
25.025.004.\_\*

Material  
SI (tr)

29 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

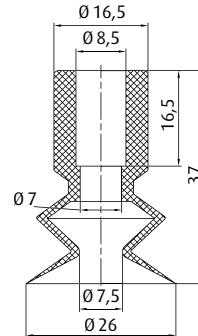


	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

Item no.  
23.026.115.\_\*

Material  
Vinyl (bl)

8 mm



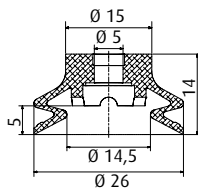
	Connection	see page
270.244	M5-male	410
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

Item no.  
23.026.118.\_\*

Material  
Vinyl (bl)

12.5 mm

**NEW**



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

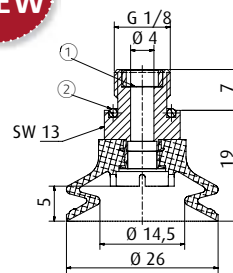
Item no.  
23.026.265.\_\*

Material  
Varioflex® 60/30° (sw/r)

5 mm

Additional sizes available are found on p. 107.

**NEW**



① = Filter screen ② = O-ring

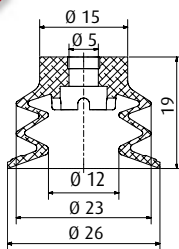
Item no.  
22.026.256.\_\*

Material  
Varioflex® 60/30° (sw/r)

5 mm

Additional sizes available are found on p. 107.

**NEW**



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

Item no.  
21.026.177.\_\*

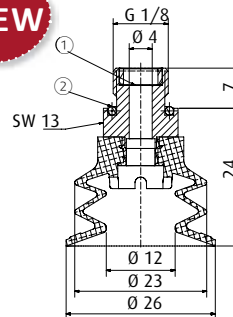
Material  
Varioflex® 60/30° (sw/r)

8 mm

Additional sizes available are found on p. 110.

Ordering notes: For version with in bellows inserted filter disc please add "-FI" to material code

**NEW**



① = Filter screen ② = O-ring

Item no.  
20.026.148.\_\*

Material  
Varioflex® 60/30° (sw/r)

8 mm

Additional sizes available are found on p. 110.

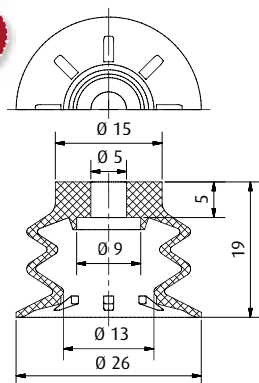
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Bellows vacuum cups by Ø

Ø 26 - 29 mm

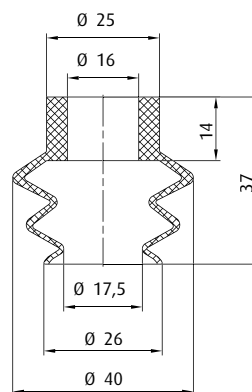
**NEW**



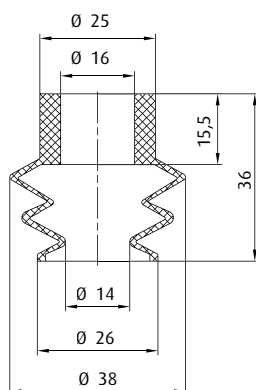
	Connection	see page
270.063	G1/8-male	419
270.061	G1/8-female	422

<b>Item no.</b> <b>21.026.162._*</b>	<b>Material</b> NR (br)	9 mm
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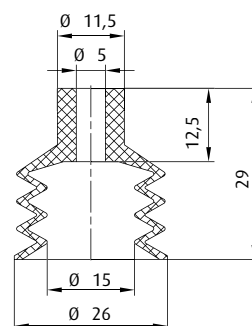
Additional sizes available are found on p. 23.



<b>Item no.</b> <b>27.026.005._*</b>	<b>Material</b> SI (tr)	16 mm
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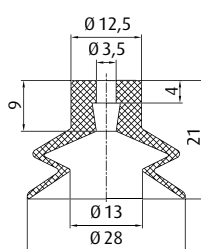


<b>Item no.</b> <b>27.026.015._*</b>	<b>Material</b> SI (tr)	16 mm
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	Connection	see page
270.013	M5-male	410
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

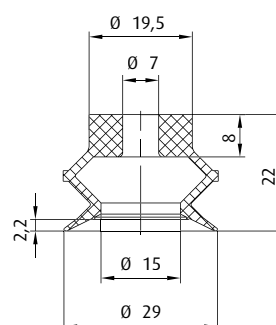
<b>Item no.</b> <b>25.025.003._*</b>	<b>Material</b> SI (tr), NR (sw)	9 mm
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	Connection	see page
270.134	M5-male	409
270.347	M5-female	412
270.104	M6-male	413
270.033	G1/8-male	416
270.478	G1/8-female	421

<b>Item no.</b> <b>23.028.113._*</b>	<b>Material</b> Vinyl (bl)	9 mm
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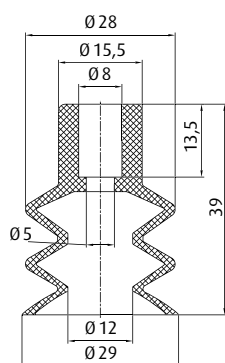
Additional sizes available are found on p. 113.



	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

<b>Item no.</b> <b>23.030.088._*</b>	<b>Material</b> NBR (gr), SI (tr), PU (bg)	10 mm
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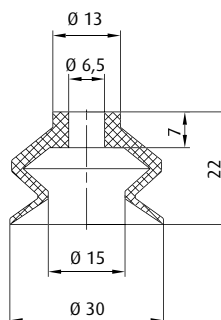
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



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

<b>Item no.</b> <b>21.029.069.*</b>	<b>Material</b> Vinyl (bl)	10 mm
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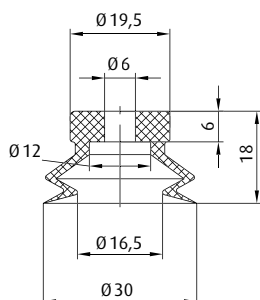
Additional sizes available are found on p. 116.



	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

<b>Item no.</b> <b>23.030.107.*</b>	<b>Material</b> Vinyl (bl)	10.5 mm
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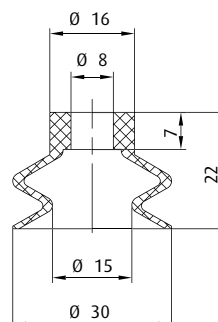
Additional sizes available are found on p. 113.



	Connection	see page
270.312/19	M6-male	414
270.030	G1/8-male	419
270.019	G1/8-female	423
270.483	G1/4-male	429
270.484	G1/4-female	433

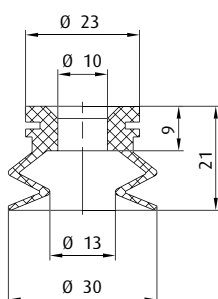
<b>Item no.</b> <b>23.030.155.*</b>	<b>Material</b> SI (tr)	4.5 mm
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This vacuum cup is also available in the following dimensions: 6 mm, 10 mm, 15 mm, 20 mm



	Connection	see page
270.255	M8-male	415
270.486	G1/8-male	420
270.485	G1/8-female	423
270.487	G1/4-male	429
270.488	G1/4-female	434

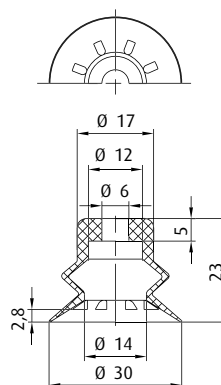
<b>Item no.</b> <b>23.030.193.*</b>	<b>Material</b> Vulkollan® (br)	8 mm
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	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

<b>Item no.</b> <b>23.030.230.*</b>	<b>Material</b> NR (gr)	7 mm
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Additional sizes available are found on p. 130.



	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

		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

<b>Item no.</b> <b>23.030.141.*</b>	<b>Material</b> NBR (sw), SI (tr)	8 mm
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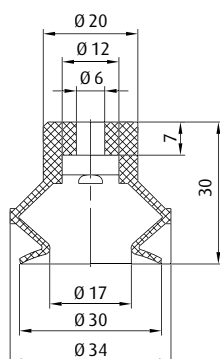
Additional sizes available are found on p. 119.

\* 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 | Bellows vacuum cups by Ø

Ø 30 mm



	Connection	see page
270.312/19	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

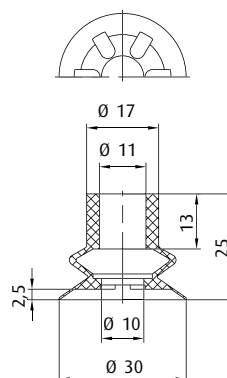
		see page
50.095	20 mm	456
50.096	30 mm	456
50.097	40 mm	456
50.098	50 mm	456

**Item no.**  
**23.030.170.\_\***

**Material**  
Vulkollan® (br)

8 mm

Additional sizes available are found on p. 97.

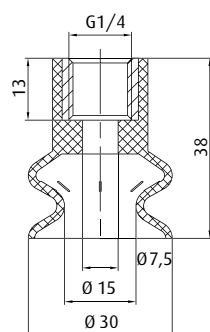


	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
**23.033.134.\_\***

**Material**  
Vinyl (bl)

10 mm

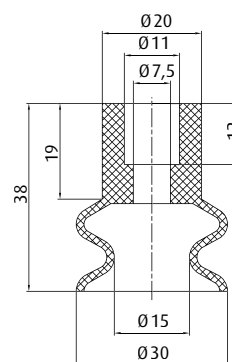


**Item no.**  
**22.030.035.\_\***

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

16 mm

This vacuum cup is also available in the following dimensions: 40 mm, 44 mm, 50 mm

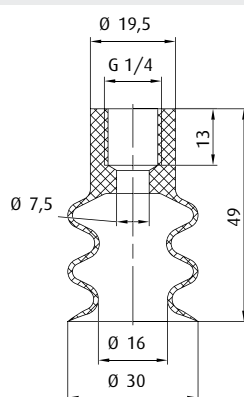


	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
**23.030.038.\_\***

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

16 mm

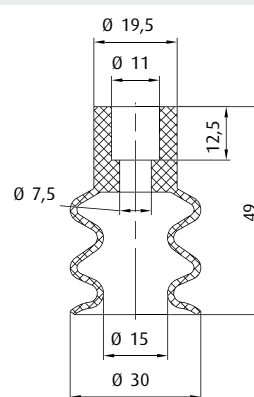


**Item no.**  
**20.030.044.\_\***

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

19 mm

This vacuum cup is also available in the following dimensions: 40 mm, 50 mm



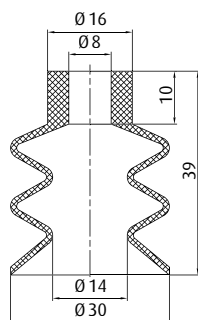
	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
**21.030.021.\_\***

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

18 mm

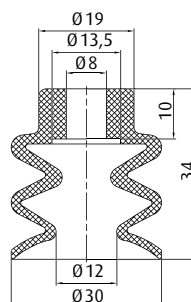
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



	Connection	see page
270.315	M6-male	414
270.132	G1/8-male	417
270.114	G1/8-female	422
270.540	G1/4-male	429
270.539	G1/4-female	434

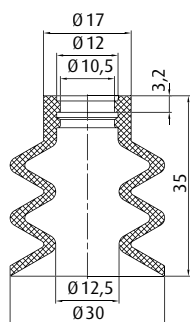
<b>Item no.</b> <b>21.030.018._*</b>	<b>Material</b> NBR (sw), SI (r)	18 mm
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This vacuum cup is also available in the following dimensions: 15 mm, 20 mm



	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

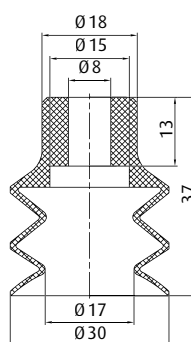
<b>Item no.</b> <b>21.030.019._*</b>	<b>Material</b> NBR (sw), SI (r), NR (bg), PU (bl)	13 mm
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	Connection	see page
270.097	G1/4-male	426
270.098	G1/4-female	432

<b>Item no.</b> <b>21.030.022._*</b>	<b>Material</b> NBR (sw), SI (bl)	14 mm
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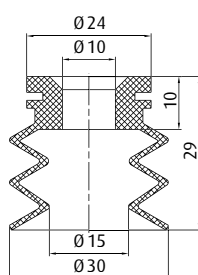
This vacuum cup is also available in the following dimensions: 10 mm, 15 mm, 18 mm, 24 mm, 40 mm



	Connection	see page
270.315	M6-male	414
270.132	G1/8-male	417
270.114	G1/8-female	422
270.190	G1/4-male	428
270.540	G1/4-male	429
270.192	G1/4-female	432
270.539	G1/4-female	434

<b>Item no.</b> <b>21.032.091._*</b>	<b>Material</b> Vulkollan® (br)	16 mm
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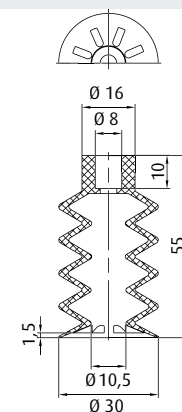
Additional sizes available are found on p. 97.



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

<b>Item no.</b> <b>21.030.030._*</b>	<b>Material</b> SI (tr), NR (bl)	13 mm
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Additional sizes available are found on p. 130.



	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

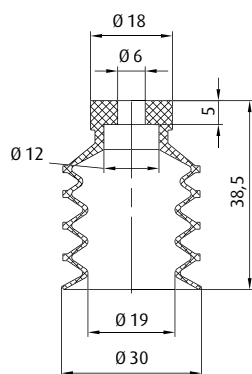
<b>Item no.</b> <b>25.030.030._*</b>	<b>Material</b> NBR (sw), SI (tr)	27 mm
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



## Vacuum cups by size | Bellows vacuum cups by Ø

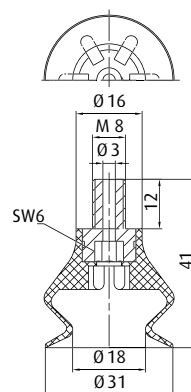
Ø 30 - 31 mm



	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

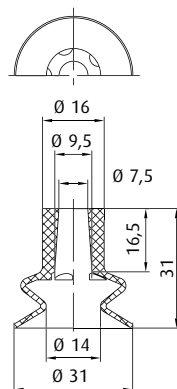
<b>Item no.</b> <b>25.030.046._*</b>	<b>Material</b> NBR (sw), SI (tr)	14 mm
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Additional sizes available are found on p. 124.



<b>Item no.</b> <b>22.030.036._*</b>	<b>Material</b> NBR (sw), SI (tr), NR (sw)	9 mm
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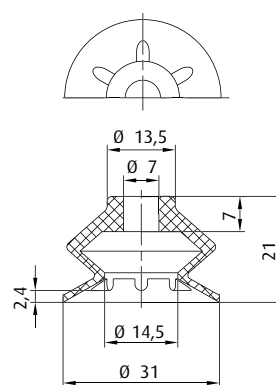
This vacuum cup is also available in the following dimensions: 25 mm, 44 mm



	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

<b>Item no.</b> <b>23.030.035._*</b>	<b>Material</b> NBR (sw), SI (r)	11 mm
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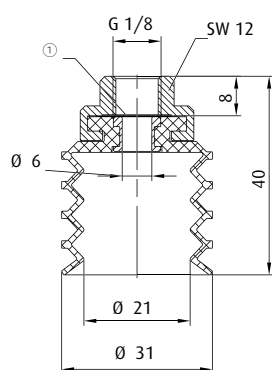
This vacuum cup is also available in the following dimensions: 53 mm, 75 mm



	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

<b>Item no.</b> <b>23.031.192._*</b>	<b>Material</b> Vinyl (bl)	6 mm
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Additional sizes available are found on p. 113.

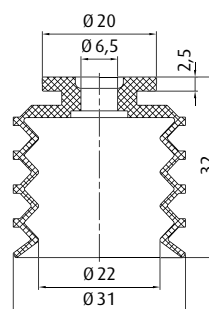


① = Filter screen

<b>Item no.</b> <b>24.030.039._*</b>	<b>Material</b> SI (tr), CR (sw)	21 mm
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Additional sizes available are found on p. 104.

Spare cup



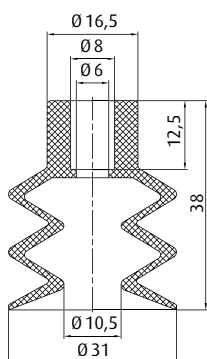
	Connection	see page
270.251	G1/8-female	423
270.501-S	G1/8-female	424
270.506-S	G1/4-male	428
270.505-S	G3/8-male	434

<b>Item no.</b> <b>25.030.026._*</b>	<b>Material</b> SI (tr), CR (sw)	21 mm
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Additional sizes available are found on p. 100.

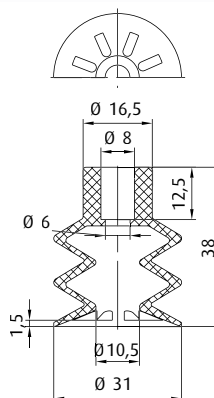
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760





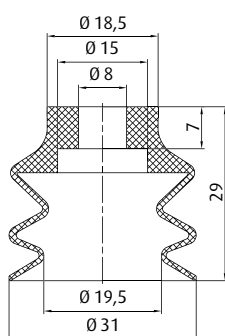
	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.043	G1/4-male	425
270.178	G1/4-female	431

<b>Item no.</b> 21.030.023._*	<b>Material</b> NBR (sw), SI (tr), NR (sw)	15 mm
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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

<b>Item no.</b> 27.030.006._*	<b>Material</b> NBR (sw), SI (tr), NR (sw)	15 mm
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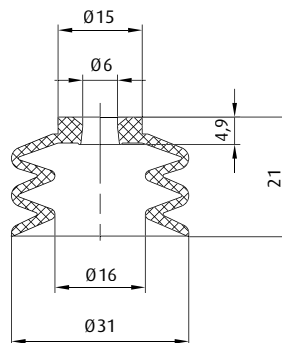


	Connection	see page
270.255	M8-male	415
270.486	G1/8-male	420
270.485	G1/8-female	423
270.487	G1/4-male	429
270.488	G1/4-female	434

**WEAR-RESISTANT**

<b>Item no.</b> 21.030.076._*	<b>Material</b> Vulkollan® (br)	14 mm
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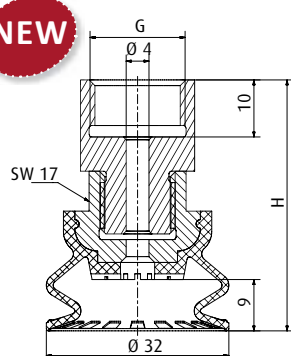
Additional sizes available are found on p. 97.



	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

<b>Item no.</b> 21.031.048._*	<b>Material</b> SI (tr), NR (sw)	6 mm
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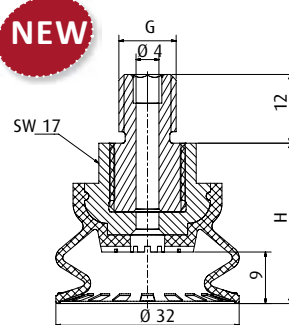
**NEW**



Item no.	Material	[mm]	Connection thread	H [mm]
22.030.172._*	NBR (bl)	9	G1/4-female	28
22.030.173._*	NBR (bl)	9	G3/8-female	44

Additional sizes available are found on p. 133.

**NEW**



Item no.	Material	[mm]	Connection thread	H [mm]
22.030.171._*	NBR (bl)	9	G1/4-male	28
22.030.174._*	NBR (bl)	9	M10-male	28
22.030.175._*	NBR (bl)	9	M14x1.5-male	29

Additional sizes available are found on p. 133.

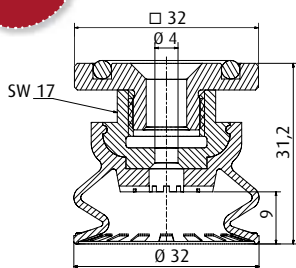
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Bellows vacuum cups by Ø

Ø 32 mm

**NEW**

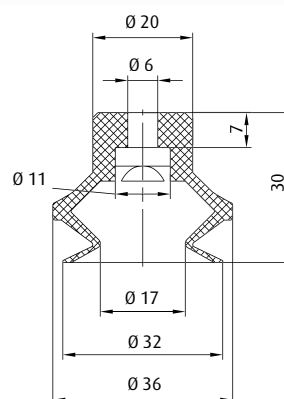


**Item no.**  
**22.030.176.\_\***

**Material**  
NBR (bl)

9 mm

Additional sizes available are found on p. 133.

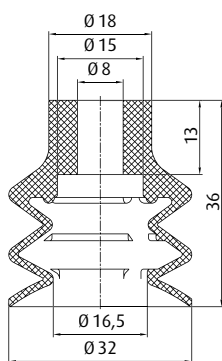


**Item no.**  
**23.030.125.\_\***

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

9 mm

Additional sizes available are found on p. 86.  
This vacuum cup is also available in the following dimensions: 11 mm, 15 mm, 21 mm, 42 mm, 54 mm



Connection	see page
270.315 M6-male	414
270.196 G1/8-male	420
270.114 G1/8-female	422
270.190 G1/4-male	428
270.192 G1/4-female	432

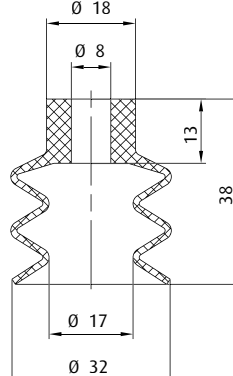
**BESTSELLER**

**Item no.**  
**21.032.075.\_\***

**Material**  
NBR (sw), HNBR (ge), SI (tr), NR (gr), PU (bl)

13 mm

Additional sizes available are found on p. 89.



Connection	see page
270.315 M6-male	414
270.196 G1/8-male	420
270.114 G1/8-female	422
270.190 G1/4-male	428
270.192 G1/4-female	432

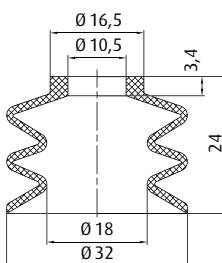
**UP TO 160 °C & MINIMUM MARKING**

**Item no.**  
**21.032.154.\_\***

**Material**  
Thermalon® (bl)

14.5 mm

Additional sizes available are found on p. 92.

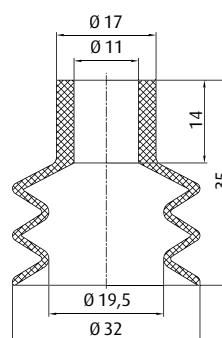


Connection	see page
270.521 M5-male	412
270.254 M6-male	415
270.256 M8-male	415

**Item no.**  
**21.032.067.\_\***

**Material**  
Vinyl (bl)

10 mm



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

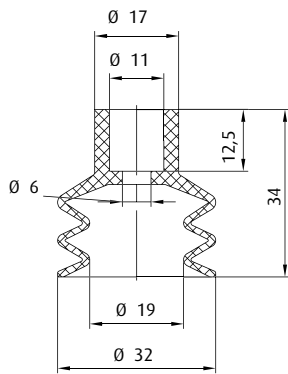
**Item no.**  
**21.032.082.\_\***

**Material**  
Vinyl (bl)

14 mm

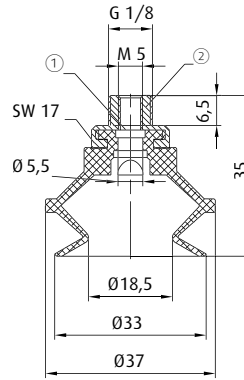
Additional sizes available are found on p. 116.

\* 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

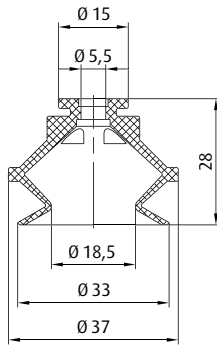
<b>Item no.</b> <b>21.032.081._ *</b>	<b>Material</b> NR (sw)	13 mm
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① = Filter screen ② = Aluminium

<b>Item no.</b> <b>22.030.033._ *</b>	<b>Material</b> Tepuflex® (or), SI (tr), CR (sw)	9 mm
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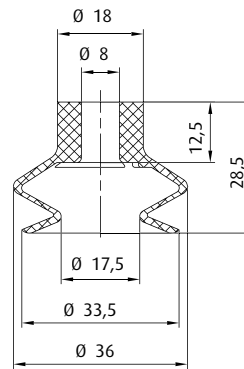
Additional sizes available are found on p. 104.



	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> <b>23.030.037._ *</b>	<b>Material</b> Tepuflex® (or), SI (tr), CR (sw)	9 mm
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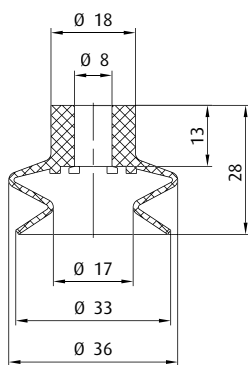
Additional sizes available are found on p. 100.



	Connection	see page
270.315	M6-male	414
270.196	G1/8-male	420
270.114	G1/8-female	422
270.190	G1/4-male	428
270.192	G1/4-female	432

<b>Item no.</b> <b>23.033.039._ *</b>	<b>Material</b> NBR (sw), SI (tr), NR (gr)	12 mm
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Additional sizes available are found on p. 81.

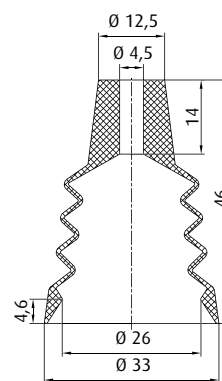


	Connection	see page
270.315	M6-male	414
270.196	G1/8-male	420
270.114	G1/8-female	422
270.190	G1/4-male	428
270.192	G1/4-female	432

**UP TO 160 °C & MINIMUM MARKING**

<b>Item no.</b> <b>23.033.241._ *</b>	<b>Material</b> Thermalon® (bl)	11 mm
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Additional sizes available are found on p. 84.



	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

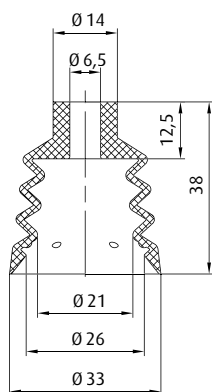
<b>Item no.</b> <b>27.033.017._ *</b>	<b>Material</b> SI (tr)	25 mm
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



## Vacuum cups by size | Bellows vacuum cups by Ø

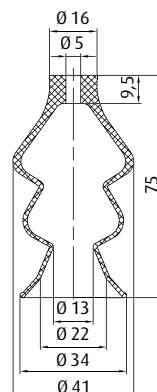
Ø 33 - 35 mm



	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

<b>Item no.</b> <b>27.033.008._*</b>	<b>Material</b> SI (tr)	16 mm
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Additional sizes available are found on p. 129.

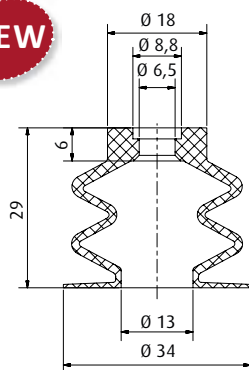


	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

<b>Item no.</b> <b>27.034.023._*</b>	<b>Material</b> SI (r)	39 mm
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Additional sizes available are found on p. 129.

**NEW**

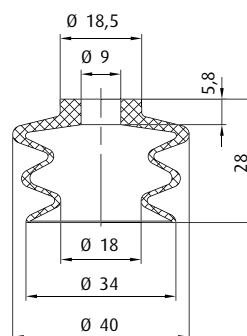


	Connection	see page
270.039	M6-male	414

**IDEAL FOR WAFERS**

<b>Item no.</b> <b>21.034.179._*</b>	<b>Material</b> SI (tr)	12 mm
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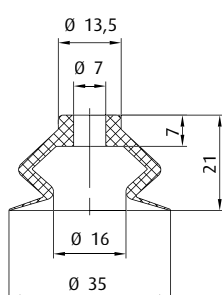
Additional sizes available are found on p. 126.



	Connection	see page
270.482	G1/8-male	420
270.481	G1/8-female	423
270.483	G1/4-male	429
270.484	G1/4-female	433

<b>Item no.</b> <b>27.034.003._*</b>	<b>Material</b> Vulkollan® (br)	18 mm
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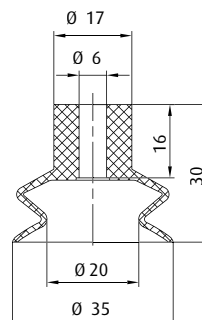
Additional sizes available are found on p. 126.



	Connection	see page
270.312/19	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

<b>Item no.</b> <b>23.035.106._*</b>	<b>Material</b> Vinyl (bl)	14 mm
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Additional sizes available are found on p. 113.



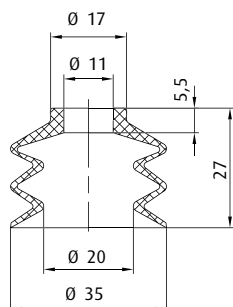
	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425

**BESTSELLER**

<b>Item no.</b> <b>23.035.111._*</b>	<b>Material</b> Vinyl (bl)	12 mm
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Additional sizes available are found on p. 113.

\* 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

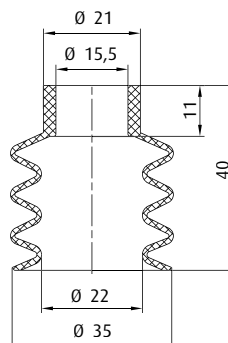


	Connection	see page
270.313	M8-male	415
270.177	M10-male	416
270.183	G1/4-male	431
270.182	G1/4-female	434

**Item no.**  
**21.035.080.\_\***

**Material**  
Vinyl (bl)

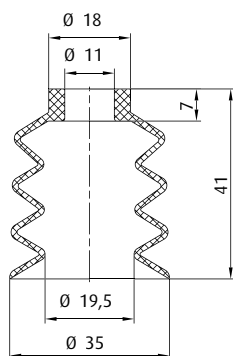
13 mm



**Item no.**  
**25.035.011.\_\***

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

20 mm

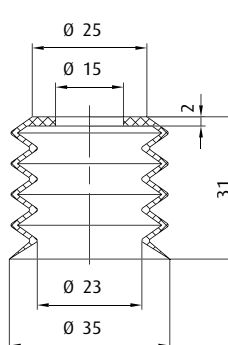


	Connection	see page
270.313	M8-male	415
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
**25.036.040.\_\***

**Material**  
Vinyl (bl)

20 mm



	Connection	see page
270.419	Without Thread	441

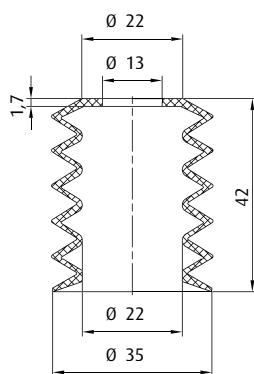
**DETECTABLE**

**Item no.**  
**25.035.069.\_\***

**Material**  
SI (r)

25 mm

Additional sizes available are found on p. 128.

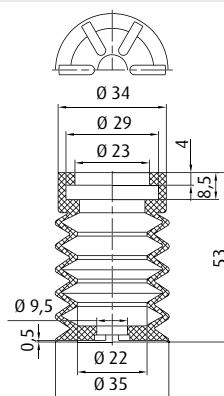


	Connection	see page
270.419	Without Thread	441
270.183	G1/4-male	431
270.182	G1/4-female	434

**Item no.**  
**25.035.010.\_\***

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

26.5 mm



	Connection	see page
270.235	G1/8-female	438

**Item no.**  
**25.036.041.\_\***

**Material**  
Vinyl (bl)

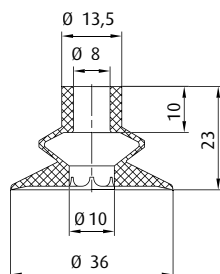
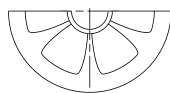
22 mm

\* 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 | Bellows vacuum cups by Ø

Ø 36 - 37 mm

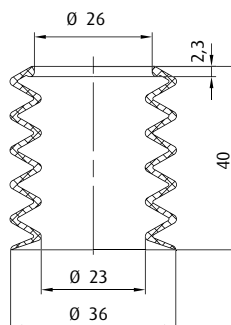


	Connection	see page
270.093	G1/8-male	421
270.092	G1/8-female	424
270.249	G1/4-male	427
270.248	G1/4-female	433

**Item no.**  
27.036.011.\_\*

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

7 mm

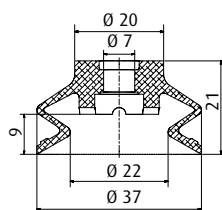


**Item no.**  
25.036.072.\_\*

**Material**  
SI (tr)

24 mm

**NEW**



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

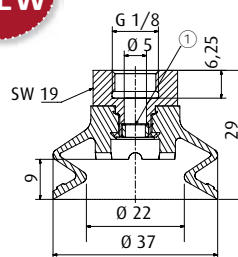
**Item no.**  
23.037.266.\_\*

**Material**  
Varioflex® 60/30° (sw/r)

9 mm

Additional sizes available are found on p. 107.

**NEW**



① = Filter screen

**Item no.**  
22.037.257.\_\*

**Material**  
Varioflex® 60/30° (sw/r)

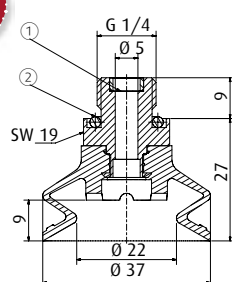
9 mm

Additional sizes available are found on p. 107.

Spare cup

Spare cup

**NEW**



① = Filter screen ② = O-ring

**Item no.**  
22.037.258.\_\*

**Material**  
Varioflex® 60/30° (sw/r)

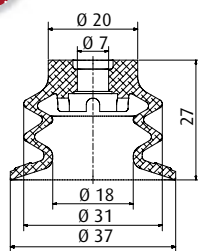
9 mm

Additional sizes available are found on p. 107.

\* 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



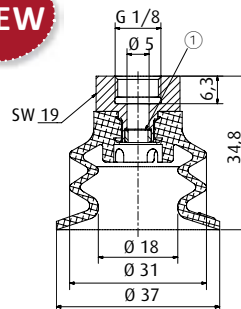
**NEW**



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

Spare cup

**NEW**



① = Filter screen

<b>Item no.</b> 21.037.177. *	<b>Material</b> Varioflex® 60/30° (sw/r)	14 mm
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Additional sizes available are found on p. 110.

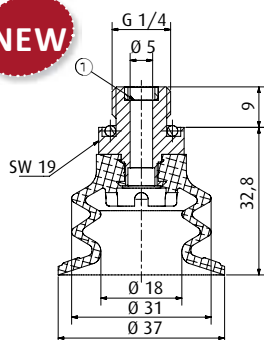
**Ordering notes:** For version with in bellows inserted filter disc please add "-FI" to material code

<b>Item no.</b> 20.037.149. *	<b>Material</b> Varioflex® 60/30° (sw/r)	14 mm
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Additional sizes available are found on p. 110.

**Ordering notes:** For version with in bellows inserted filter disc please add "-FI" to material code

**NEW**

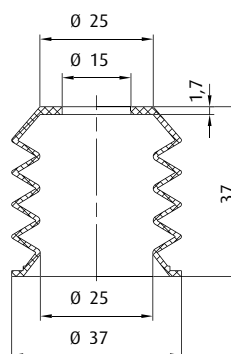


① = Filter screen

<b>Item no.</b> 20.037.150. *	<b>Material</b> Varioflex® 60/30° (sw/r)	14 mm
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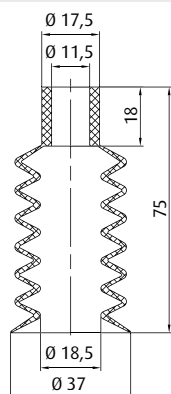
Additional sizes available are found on p. 110.

**Ordering notes:** For version with in bellows inserted filter disc please add "-FI" to material code



	Connection	see page
270.419	Without Thread	441
270.183	G1/4-male	431
270.182	G1/4-female	434

<b>Item no.</b> 25.037.012. *	<b>Material</b> SI (bl)	19 mm
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	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

<b>Item no.</b> 25.038.039. *	<b>Material</b> Vinyl (bl)	35 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 | Bellows vacuum cups by Ø

Ø 38 - 39 mm

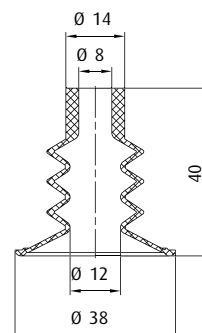


	Connection	see page
270.112	G1/8-male	419
270.114	G1/8-female	422
270.113	G1/4-male	425
270.178	G1/4-female	431

Item no.  
27.038.012.\_ \*

Material  
SI (tr), NR (br)

16 mm

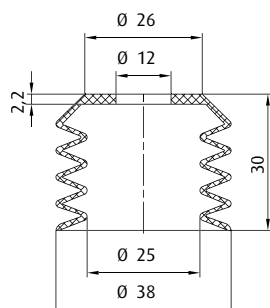


	Connection	see page
270.315	M6-male	414
270.112	G1/8-male	419
270.114	G1/8-female	422
270.113	G1/4-male	425
270.178	G1/4-female	431

Item no.  
27.038.020.\_ \*

Material  
SI (tr)

16 mm

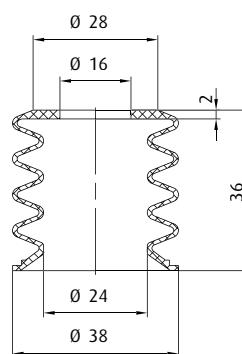


	Connection	see page
270.419	Without Thread	441
270.183	G1/4-male	431
270.182	G1/4-female	434

Item no.  
25.038.014.\_ \*

Material  
SI (tr)

18 mm



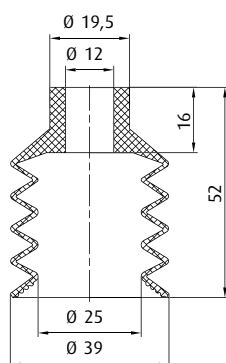
	Connection	see page
270.419	Without Thread	441
270.183	G1/4-male	431
270.182	G1/4-female	434

Item no.  
25.038.016.\_ \*

Material  
SI (tr)

24 mm

Additional sizes available are found on p. 126.

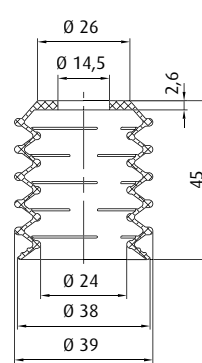


	Connection	see page
270.049-1	G1/4-male	426

Item no.  
25.038.015.\_ \*

Material  
NBR (sw), SI (tr)

23 mm



	Connection	see page
270.419	Without Thread	441
270.183	G1/4-male	431
270.182	G1/4-female	434

Item no.  
27.039.017.\_ \*

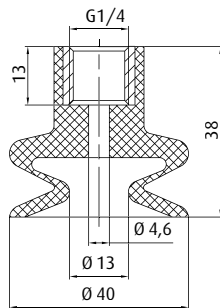
Material  
SI (tr)

20 mm

Additional sizes available are found on p. 126.

\* 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



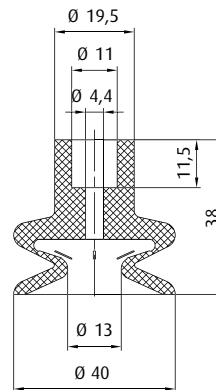


**Item no.**  
**22.040.046.\_\***

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

7 mm

This vacuum cup is also available in the following dimensions: 30 mm, 44 mm, 50 mm

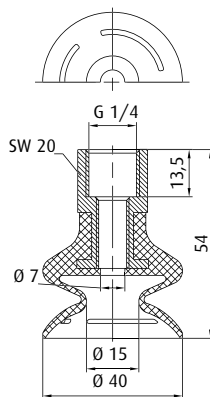


**Item no.**  
**23.040.044.\_\***

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

7 mm

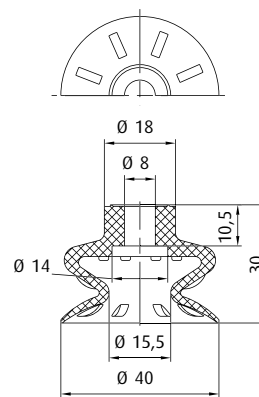
	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431



**Item no.**  
**22.040.048.\_\***

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

12 mm



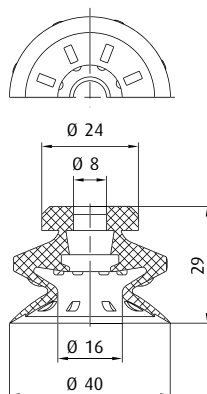
**Item no.**  
**23.040.042.\_\***

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

13 mm

	Connection	see page
270.093	G1/8-male	421
270.092	G1/8-female	424
270.249	G1/4-male	427
270.248	G1/4-female	433

This vacuum cup is also available in the following dimensions: 14 mm, 24 mm, 60 mm

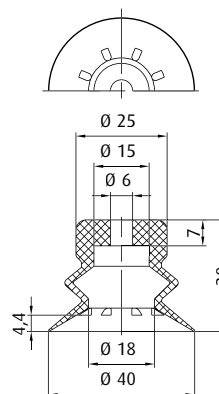


	Connection	see page
270.515	G1/4-male	425
270.434	G1/4-female	431

**Item no.**  
**23.040.223.\_\***

**Material**  
NR (br)

7 mm



	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	456
50.171	30 mm	456
50.172	40 mm	456
50.173	50 mm	456

**Item no.**  
**23.040.142.\_\***

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

9.5 mm

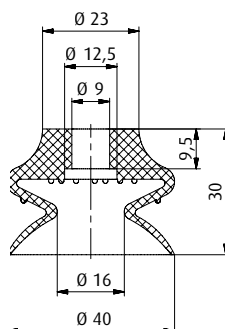
Additional sizes available are found on p. 119.

\* 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 | Bellows vacuum cups by Ø

Ø 40 mm

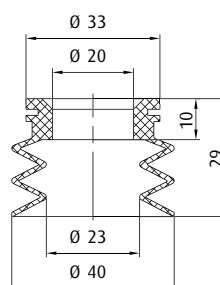


	Connection	see page
270.315	M6-male	414
270.540	G1/4-male	429
270.539	G1/4-female	434

**Item no.**  
**23.040.176.\_\***

**Material**  
Vulkollan® (br)

12 mm

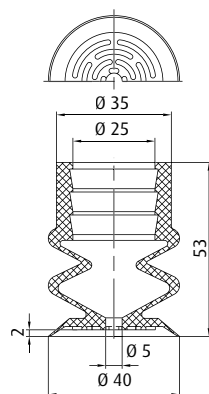


**Item no.**  
**21.040.132.\_\***

**Material**  
SI (tr), SI (bl)

11 mm

Additional sizes available are found on p. 130.



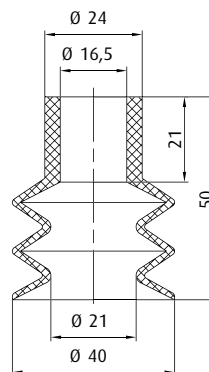
	Connection	see page
270.438	G1/4-male	427
270.442	G3/8-male	435

**Item no.**  
**21.040.141.\_\***

**Material**  
NR (bg)

18 mm

Additional sizes available are found on p. 23.



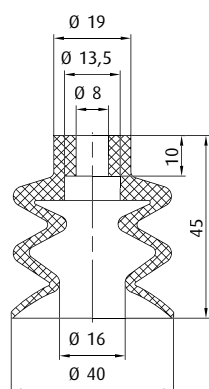
	Connection	see page
270.116	G1/4-female	432

**Item no.**  
**21.040.024.\_\***

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

18 mm

This vacuum cup is also available in the following dimensions: 60 mm

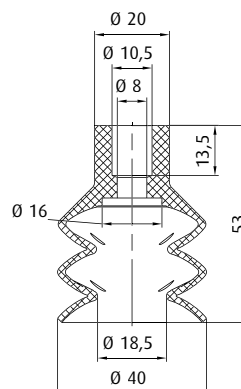


	Connection	see page
270.093	G1/8-male	421
270.092	G1/8-female	424
270.249	G1/4-male	427
270.248	G1/4-female	433

**Item no.**  
**21.040.025.\_\***

**Material**  
NBR (sw), SI (r), NR (bg), PU (bl)

20 mm



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

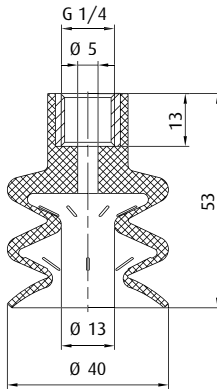
**Item no.**  
**21.040.027.\_\***

**Material**  
NBR (sw), SI (tr), NR (br), Vinyl (bl)

16 mm

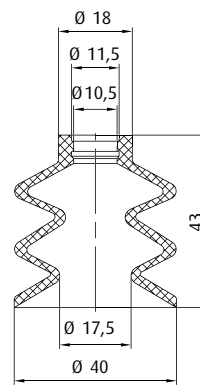
Additional sizes available are found on p. 116.

\* 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.**  
**20.040.054.\_\*** **Material**  
NBR (sw), SI (tr), NR (sw), NR (bg) 16 mm

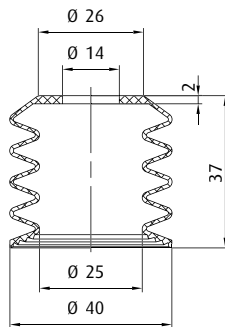
This vacuum cup is also available in the following dimensions: 30 mm, 50 mm



**Item no.**  
**21.040.028.\_\*** **Material**  
NBR (sw), SI (bl) 20 mm

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

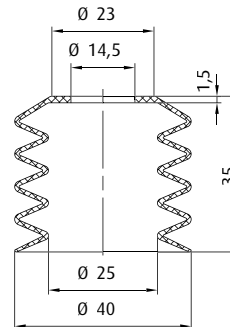
	Connection	see page
<b>270.097</b>	G1/4-male	426
<b>270.098</b>	G1/4-female	432



	Connection	see page
<b>270.419</b>	Without Thread	441
<b>270.183</b>	G1/4-male	431
<b>270.182</b>	G1/4-female	434

**Item no.**  
**25.040.043.\_\*** **Material**  
SI (tr) 24 mm

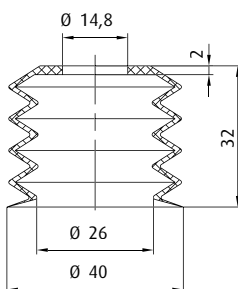
Additional sizes available are found on p. 126.



	Connection	see page
<b>270.419</b>	Without Thread	441
<b>270.183</b>	G1/4-male	431
<b>270.182</b>	G1/4-female	434

**Item no.**  
**25.040.058.\_\*** **Material**  
SI (bl) 25 mm

Additional sizes available are found on p. 126.

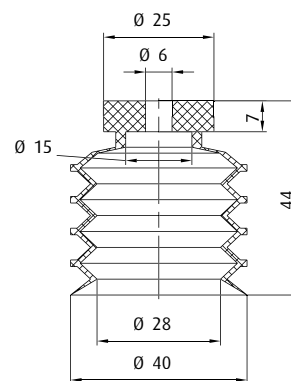


	Connection	see page
<b>270.419</b>	Without Thread	441

**DETECTABLE**

**Item no.**  
**25.040.066.\_\*** **Material**  
SI (br), SI (bl) 28 mm

Additional sizes available are found on p. 128.



	Connection	see page
<b>270.486</b>	G1/8-male	420
<b>270.485</b>	G1/8-female	423
<b>270.487</b>	G1/4-male	429
<b>270.488</b>	G1/4-female	434

**Item no.**  
**25.040.047.\_\*** **Material**  
NBR (sw), SI (tr) 19 mm

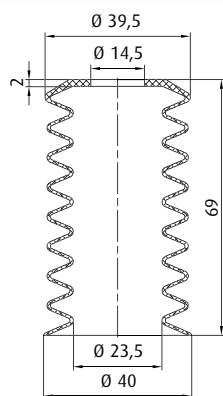
Additional sizes available are found on p. 124.

\* 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 | Bellows vacuum cups by Ø

Ø 40 - 42 mm

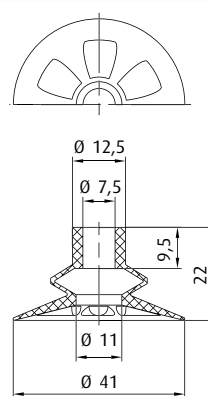


	Connection	see page
270.419	Without Thread	441
270.183	G1/4-male	431
270.182	G1/4-female	434

Item no.  
25.040.019. \*

Material  
SI (tr)

40 mm

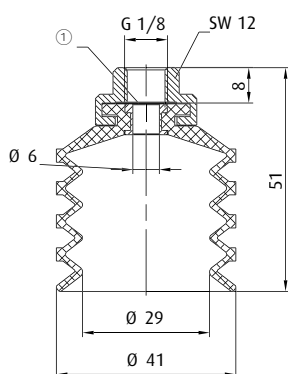


	Connection	see page
270.093	G1/8-male	421
270.092	G1/8-female	424
270.249	G1/4-male	427
270.248	G1/4-female	433

Item no.  
23.040.084. \*

Material  
NBR (sw), SI (tr)

9 mm



① = Filter screen

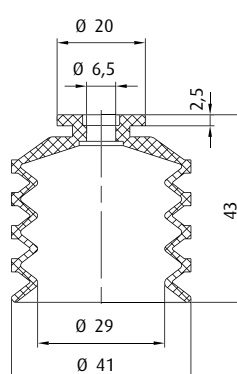
Item no.  
24.040.074. \*

Material  
SI (tr), CR (sw)

20 mm

Additional sizes available are found on p. 104.

Spare cup



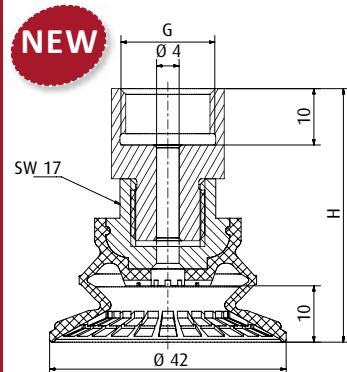
	Connection	see page
270.251	G1/8-female	423
270.501-S	G1/8-female	424
270.506-S	G1/4-male	428
270.505-S	G3/8-male	434

Item no.  
25.040.027. \*

Material  
SI (tr), CR (sw)

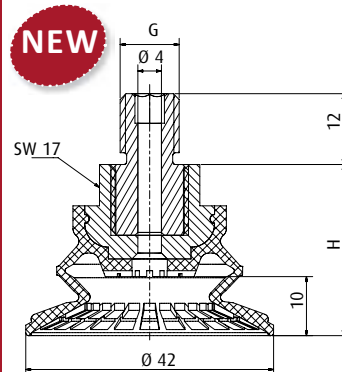
20 mm

Additional sizes available are found on p. 100.



Item no.	Material	10 [mm]	Connection thread	H [mm]
22.040.178. *	NBR (bl)	10	G1/4-female	29
22.040.179. *	NBR (bl)	10	G3/8-female	29

Additional sizes available are found on p. 133.



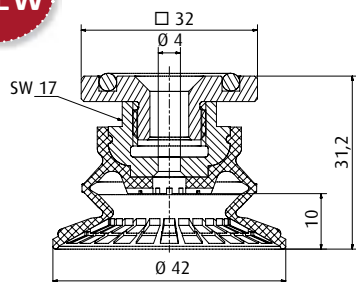
Item no.	Material	10 [mm]	Connection thread	H [mm]
22.040.177. *	NBR (bl)	10	G1/4-male	29
22.040.180. *	NBR (bl)	10	M10-male	29
22.040.181. *	NBR (bl)	10	M14x1.5-male	29

Additional sizes available are found on p. 133.

\* 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

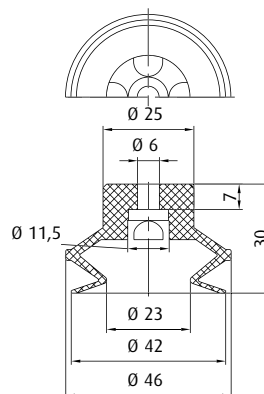


**NEW**



<b>Item no.</b> <b>22.040.182._*</b>	<b>Material</b> NBR (bl)	10 mm
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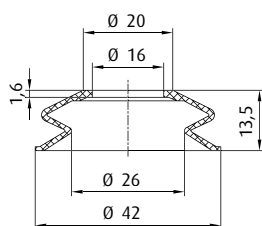
Additional sizes available are found on p. 133.



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

<b>Item no.</b> <b>23.040.126._*</b>	<b>Material</b> NBR (sw), SI (tr), PU (bl)	10 mm
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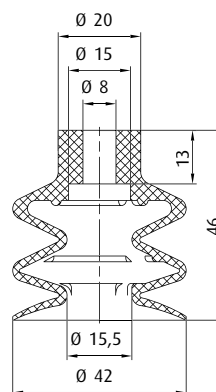
This vacuum cup is also available in the following dimensions: 11 mm, 15 mm, 21 mm, 32 mm, 54 mm



	Connection	see page
<b>270.419</b>	Without Thread	441
<b>270.182.U</b>	G1/4-male	431
<b>270.182</b>	G1/4-female	434

<b>Item no.</b> <b>23.042.048._*</b>	<b>Material</b> SI (tr), NR (sw), NR (br)	11 mm
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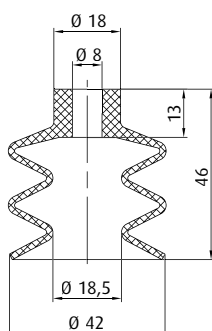
This vacuum cup is also available in the following dimensions: 47 mm



	Connection	see page
<b>270.315</b>	M6-male	414
<b>270.196</b>	G1/8-male	420
<b>270.114</b>	G1/8-female	422
<b>270.190</b>	G1/4-male	428
<b>270.192</b>	G1/4-female	432

<b>Item no.</b> <b>21.043.049._*</b>	<b>Material</b> NBR (sw), HNBR (ge), SI (tr), NR (gr)	19 mm
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Additional sizes available are found on p. 89.



	Connection	see page
<b>270.315</b>	M6-male	414
<b>270.196</b>	G1/8-male	420
<b>270.114</b>	G1/8-female	422
<b>270.190</b>	G1/4-male	428
<b>270.192</b>	G1/4-female	432

**UP TO 160 °C &  
MINIMUM MARKING**

<b>Item no.</b> <b>21.042.155._*</b>	<b>Material</b> Thermalon® (bl)	22 mm
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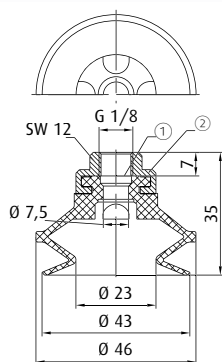
Additional sizes available are found on p. 92.

\* 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 | Bellows vacuum cups by Ø

Ø 43 - 44 mm

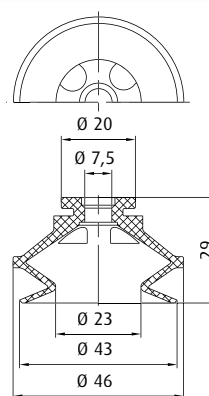


① = Filter screen ② = Aluminium

<b>Item no.</b> <b>22.040.045._*</b>	<b>Material</b> Tepuflex® (or), SI (tr), CR (sw)	9 mm
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Additional sizes available are found on p. 104.

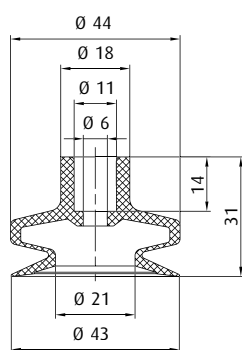
Spare cup



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

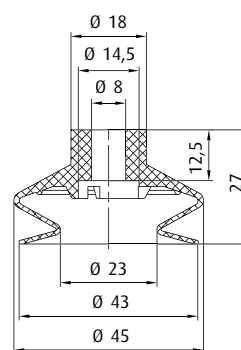
<b>Item no.</b> <b>23.040.045._*</b>	<b>Material</b> Tepuflex® (or), SI (tr), CR (sw)	9 mm
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Additional sizes available are found on p. 100.



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

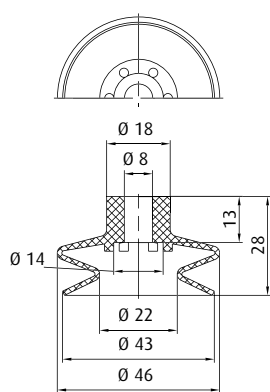
<b>Item no.</b> <b>23.042.049._*</b>	<b>Material</b> SI (tr), NR (sw)	14 mm
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	Connection	see page
<b>270.315</b>	M6-male	414
<b>270.196</b>	G1/8-male	420
<b>270.114</b>	G1/8-female	422
<b>270.190</b>	G1/4-male	428
<b>270.192</b>	G1/4-female	432

<b>Item no.</b> <b>23.043.096._*</b>	<b>Material</b> NBR (sw), HNBR (ge), SI (tr), NR (gr)	12 mm
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Additional sizes available are found on p. 81.

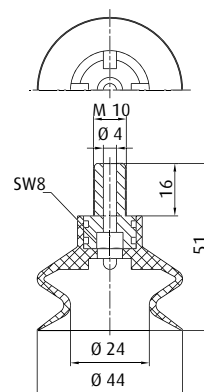


	Connection	see page
<b>270.315</b>	M6-male	414
<b>270.196</b>	G1/8-male	420
<b>270.114</b>	G1/8-female	422
<b>270.190</b>	G1/4-male	428
<b>270.192</b>	G1/4-female	432

**UP TO 160 °C &  
MINIMUM MARKING**

<b>Item no.</b> <b>23.043.242._*</b>	<b>Material</b> Thermalon® (bl)	12.5 mm
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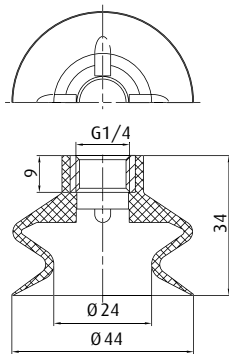
Additional sizes available are found on p. 84.



<b>Item no.</b> <b>22.044.054._*</b>	<b>Material</b> SI (tr), NR (sw)	14 mm
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This vacuum cup is also available in the following dimensions: 25 mm, 31 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

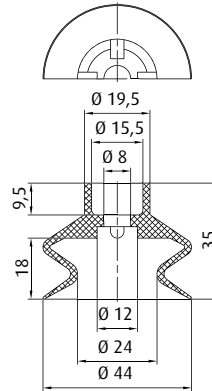


**Item no.**  
**22.044.034.\_\***

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

15 mm

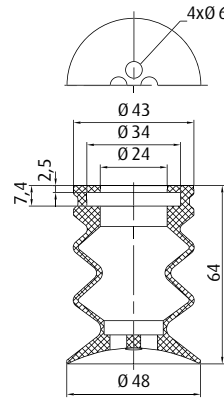
This vacuum cup is also available in the following dimensions: 30 mm, 40 mm, 50 mm



**Item no.**  
**23.044.091.\_\***

**Material**  
SI (tr)

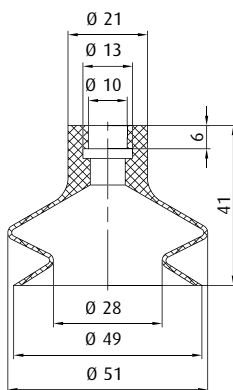
15 mm



**Item no.**  
**25.048.056.\_\***

**Material**  
SI (tr)

25 mm

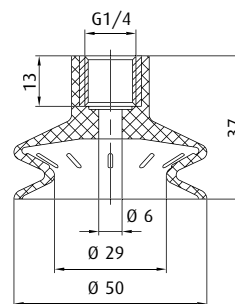


Connection	see page
<b>270.213</b> G1/4-male	428
<b>270.356</b> G1/4-female	433

**Item no.**  
**23.049.199.\_\***

**Material**  
Vulkollan® (br)

20 mm



**Item no.**  
**22.050.058.\_\***

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

12 mm

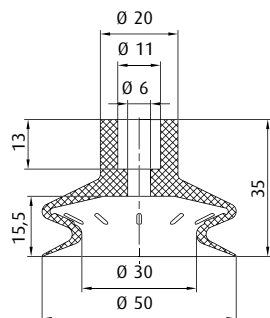
This vacuum cup is also available in the following dimensions: 30 mm, 40 mm, 44 mm

\* 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 | Bellows vacuum cups by Ø

Ø 50 mm

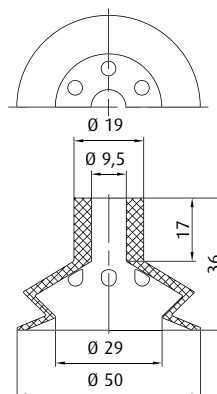


	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
**23.050.061.\_\***

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

10 mm

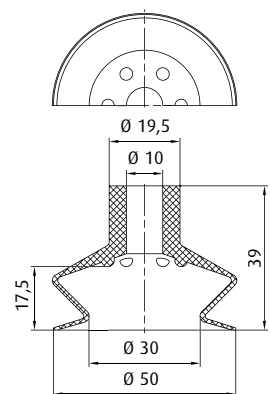


	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
**23.050.135.\_\***

**Material**  
NBR (sw)

10 mm

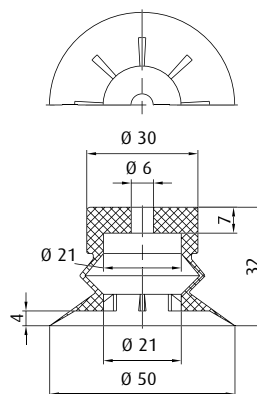


	Connection	see page
270.177	M10-male	416
270.044	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
**23.050.188.\_\***

**Material**  
NR (sw)

20 mm



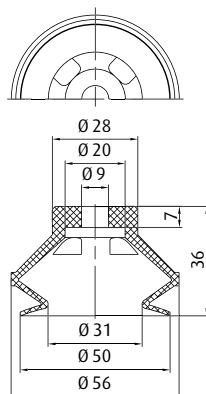
	Connection	see page
270.499	M6-male	414
270.490	G1/8-male	420
270.489	G1/8-female	423
270.491	G1/4-male	429
270.492	G1/4-female	434

**Item no.**  
**23.050.143.\_\***

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

11 mm

Additional sizes available are found on p. 119.



	Connection	see page
270.314	M6-male	415
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.**  
**23.050.171.\_\***

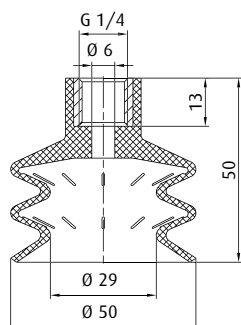
**Material**  
Vulkollan® (br)

10 mm

Additional sizes available are found on p. 97.

\* 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



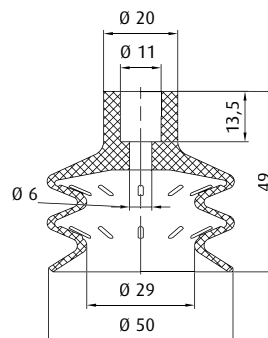


**Item no.**  
**20.050.064.\_\***

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

18 mm

This vacuum cup is also available in the following dimensions: 30 mm, 40 mm

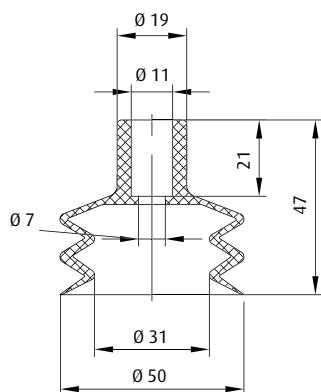


**Item no.**  
**21.050.031.\_\***

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

18 mm

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

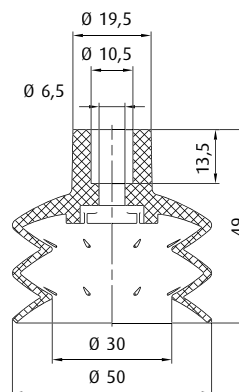


**Item no.**  
**21.050.065.\_\***

**Material**  
Vinyl (bl)

25 mm

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



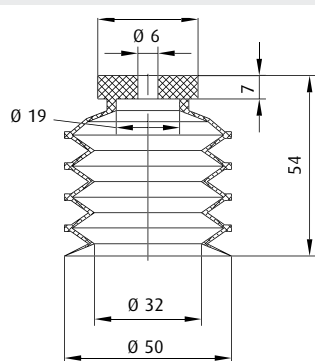
**Item no.**  
**21.050.084.\_\***

**Material**  
Vinyl (bl)

20 mm

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

Additional sizes available are found on p. 116.



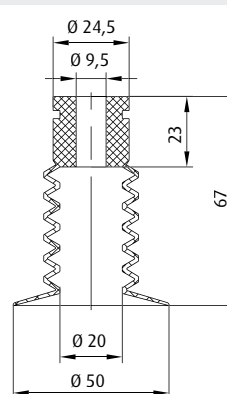
**Item no.**  
**25.050.048.\_\***

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

26 mm

Additional sizes available are found on p. 124.

	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.**  
**25.050.054.\_\***

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

29 mm

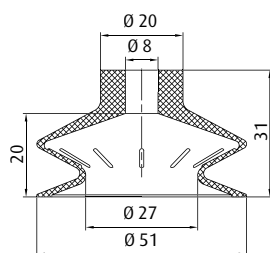
	Connection	see page
270.177	M10-male	416
270.132	G1/8-male	417
270.044	G1/4-male	426
270.452	G1/4-female	431

\* 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 | Bellows vacuum cups by Ø

Ø 51 mm

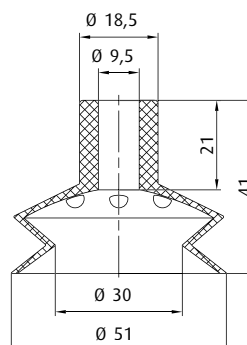


	Connection	see page
270.315	M6-male	414
270.093	G1/8-male	421
270.092	G1/8-female	424
270.249	G1/4-male	427
270.248	G1/4-female	433

**Item no.**  
**23.050.029.\_\***

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

10 mm



	Connection	see page
270.132	G1/8-male	417
270.208	G1/4-male	425
270.452	G1/4-female	431

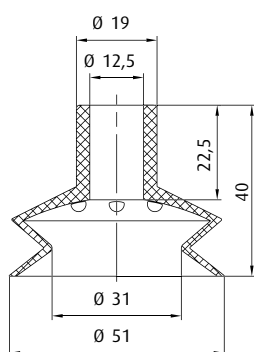
**BESTSELLER**

**Item no.**  
**23.052.116.\_\***

**Material**  
Vinyl (bl)

6 mm

Additional sizes available are found on p. 113.

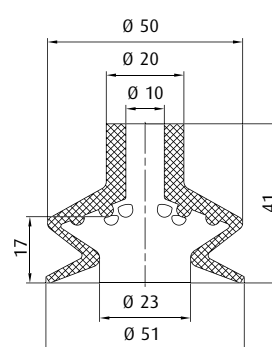


	Connection	see page
270.207	G1/4-male	426

**Item no.**  
**23.052.117.\_\***

**Material**  
SI (tr), Vinyl (bl)

6 mm

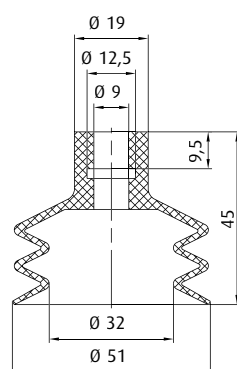


	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
**23.050.056.\_\***

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

11 mm



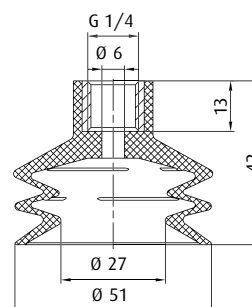
	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.204	G1/4-male	427
270.324	G1/4-female	432

**Item no.**  
**21.051.097.\_\***

**Material**  
Vulkollan® (br)

18 mm

Additional sizes available are found on p. 97.

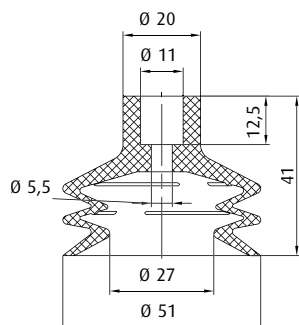


**Item no.**  
**20.050.065.\_\***

**Material**  
SI (tr), 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

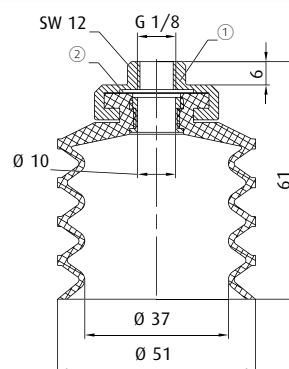


	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

Item no.  
21.050.032.\_ \*

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

8 mm



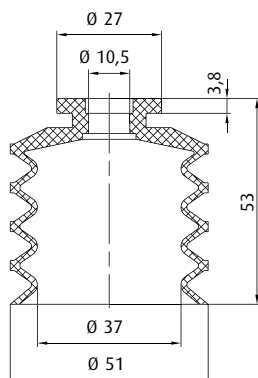
① = Filter screen ② = Aluminium

Item no.  
24.050.087.\_ \*

Material  
SI (tr), CR (sw)

30 mm

Additional sizes available are found on p. 104.



	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

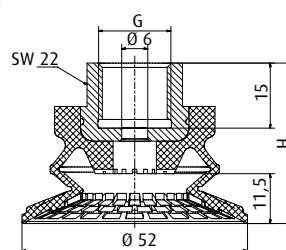
Item no.  
25.050.028.\_ \*

Material  
SI (tr), CR (sw)

25 mm

Additional sizes available are found on p. 100.

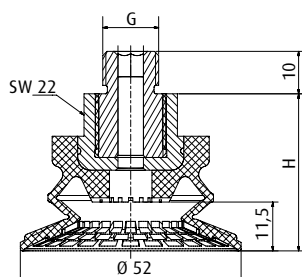
NEW



Item no.	Material	8 mm	Connection thread	H [mm]
22.050.184._ *	NBR (bl)	11.5	G1/4-female	42
22.050.185._ *	NBR (bl)	11.5	G3/8-female	37

Additional sizes available are found on p. 133.

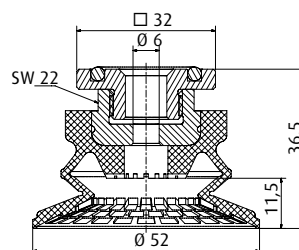
NEW



Item no.	Material	11.5 mm	Connection thread	H [mm]
22.050.183._ *	NBR (bl)	11.5	G1/4-male	37
22.050.186._ *	NBR (bl)	11.5	M10-male	37
22.050.187._ *	NBR (bl)	11.5	M14x1.5-male	37

Additional sizes available are found on p. 133.

NEW



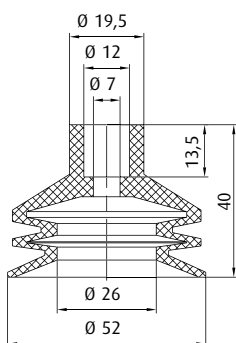
Item no.	Material	11.5 mm
22.050.188._ *	NBR (bl)	

Additional sizes available are found on p. 133.



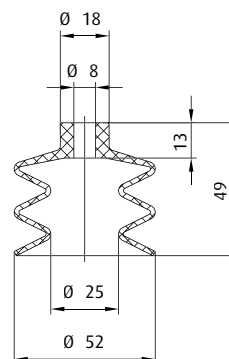
# Vacuum cups by size | Bellows vacuum cups by Ø

Ø 52 - 53 mm



	Connection	see page
270.101	G1/4-male	426

Item no. <b>21.052.033._*</b>	Material NBR (sw)	12 mm
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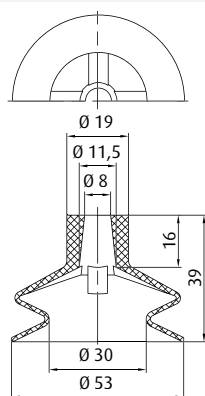


	Connection	see page
270.315	M6-male	414
270.196	G1/8-male	420
270.114	G1/8-female	422
270.190	G1/4-male	428
270.192	G1/4-female	432

**UP TO 160 °C & MINIMUM MARKING**

Item no. <b>21.052.156._*</b>	Material Thermalon® (bl)	27 mm
----------------------------------	-----------------------------	-------

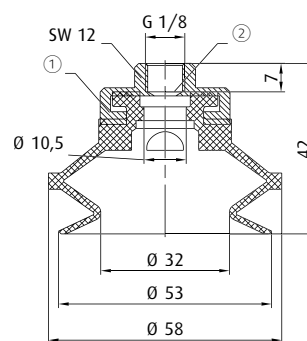
Additional sizes available are found on p. 92.



	Connection	see page
270.132	G1/8-male	417
270.114	G1/8-female	422
270.208	G1/4-male	425
270.192	G1/4-female	432

Item no. <b>23.055.058._*</b>	Material NBR (sw), SI (r)	11 mm
----------------------------------	------------------------------	-------

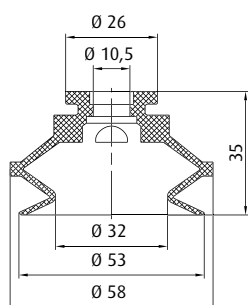
This vacuum cup is also available in the following dimensions: 31 mm, 75 mm



① = Filter screen ② = Aluminium

Item no. <b>22.050.056._*</b>	Material Tepuflex® (or), SI (tr), CR (sw)	12 mm
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Additional sizes available are found on p. 104.



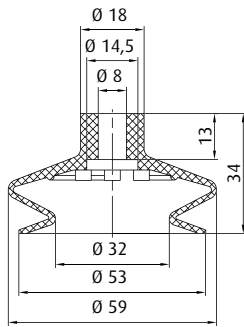
	Connection	see page
270.252	G1/8-female	424
270.502-S	G1/8-female	424
270.504-S	G1/4-male	429
270.507-S	G3/8-male	435

Item no. <b>23.050.054._*</b>	Material Tepuflex® (or), SI (tr), CR (sw)	12 mm
----------------------------------	--	-------

Additional sizes available are found on p. 100.

Spare cup

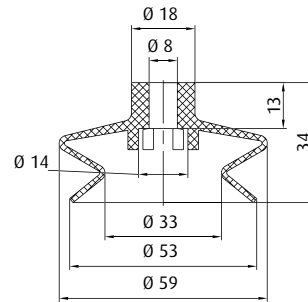
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



	Connection	see page
270.315	M6-male	414
270.196	G1/8-male	420
270.114	G1/8-female	422
270.190	G1/4-male	428
270.192	G1/4-female	432

**Item no.** 23.053.033. \* **Material** NBR (sw), SI (tr), NR (gr) **11 mm**

Additional sizes available are found on p. 81.



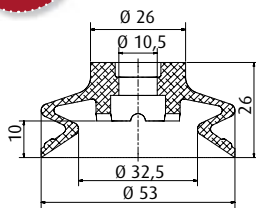
	Connection	see page
270.315	M6-male	414
270.196	G1/8-male	420
270.114	G1/8-female	422
270.190	G1/4-male	428
270.192	G1/4-female	432

**UP TO 160 °C & MINIMUM MARKING**

**Item no.** 23.053.243. \* **Material** Thermanon® (bl) **15 mm**

Additional sizes available are found on p. 84.

**NEW**

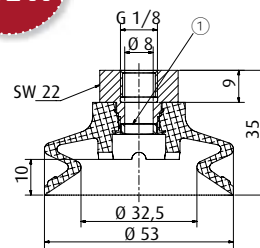


	Connection	see page
270.502-S	G1/8-female	424
270.504-S	G1/4-male	429
270.507-S	G3/8-male	435

**Item no.** 23.053.267. \* **Material** Varioflex® 60/30° (sw/r) **10 mm**

Additional sizes available are found on p. 107.

**NEW**

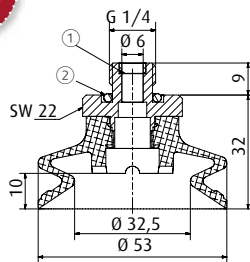


① = Filter screen

**Item no.** 22.053.259. \* **Material** Varioflex® 60/30° (sw/r) **10 mm**

Additional sizes available are found on p. 107.

**NEW**

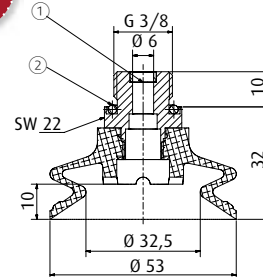


① = Filter screen ② = O-ring

**Item no.** 22.053.260. \* **Material** Varioflex® 60/30° (sw/r) **10 mm**

Additional sizes available are found on p. 107.

**NEW**



① = Filter screen ② = O-ring

**Item no.** 22.053.261. \* **Material** Varioflex® 60/30° (sw/r) **10 mm**

Additional sizes available are found on p. 107.

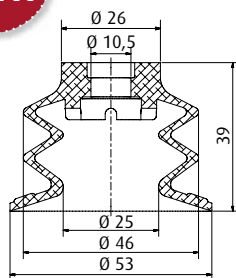
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Bellows vacuum cups by Ø

Ø 53 - 56 mm

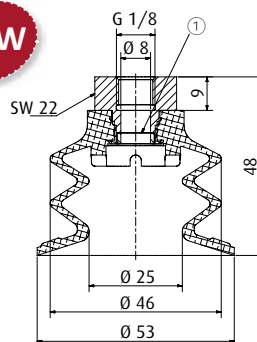
**NEW**



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

Spare cup

**NEW**



① = Filter screen

**Item no.**  
**21.053.178.\_ \***

**Material**  
Varioflex® 60/30° (sw/r)

19 mm

Additional sizes available are found on p. 110.

**Ordering notes:** For version with in bellows inserted filter disc please add "-FI" to material code

**Item no.**  
**20.053.151.\_ \***

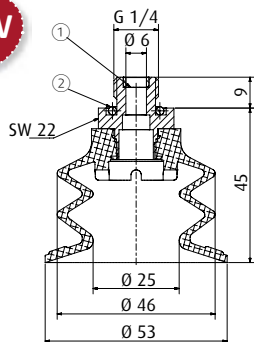
**Material**  
Varioflex® 60/30° (sw/r)

19 mm

Additional sizes available are found on p. 110.

**Ordering notes:** For version with in bellows inserted filter disc please add "-FI" to material code

**NEW**



① = Filter screen ② = O-ring

**Item no.**  
**20.053.152.\_ \***

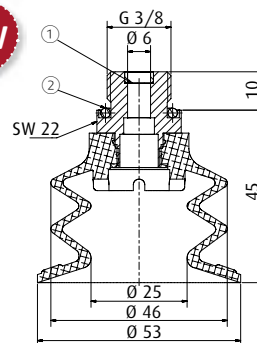
**Material**  
Varioflex® 60/30° (sw/r)

19 mm

Additional sizes available are found on p. 110.

**Ordering notes:** For version with in bellows inserted filter disc please add "-FI" to material code

**NEW**



① = Filter screen ② = O-ring

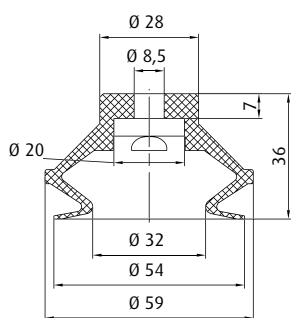
**Item no.**  
**20.053.153.\_ \***

**Material**  
Varioflex® 60/30° (sw/r)

19 mm

Additional sizes available are found on p. 110.

**Ordering notes:** For version with in bellows inserted filter disc please add "-FI" to material code



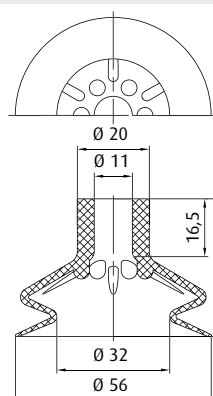
	Connection	see page
270.314	M6-male	415
270.499	M6-male	414
270.490	G1/8-male	420
270.489	G1/8-female	423
270.492	G1/4-female	434

**Item no.**  
**23.050.127.\_ \***

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

10 mm

This vacuum cup is also available in the following dimensions: 11 mm, 15 mm, 21 mm, 32 mm, 42 mm



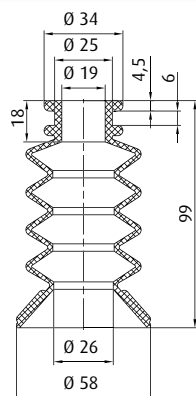
	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**Item no.**  
**23.056.150.\_ \***

**Material**  
SI (tr)

16 mm

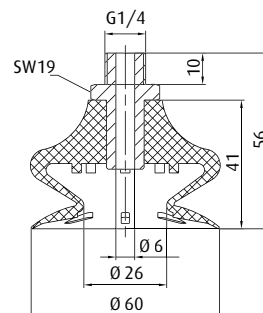
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



**Item no.**  
**25.058.049.\_\***

**Material**  
Vinyl (bl)

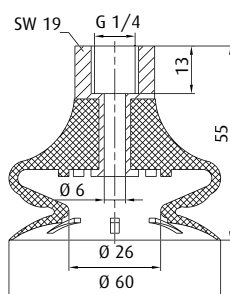
55 mm



**Item no.**  
**22.060.142.\_\***

**Material**  
Vulkollan® (br)

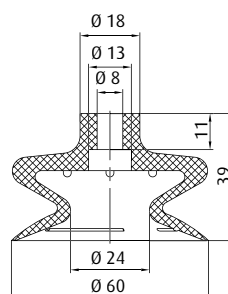
12 mm



**Item no.**  
**22.060.143.\_\***

**Material**  
Vulkollan® (br)

12 mm



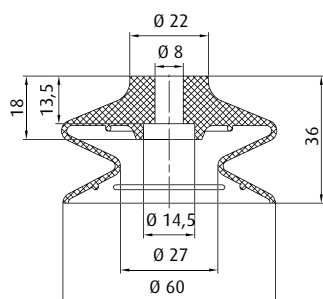
**Item no.**  
**23.060.059.\_\***

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

15 mm

This vacuum cup is also available in the following dimensions: 14 mm, 24 mm, 40 mm

	Connection	see page
<b>270.093</b>	G1/8-male	421
<b>270.092</b>	G1/8-female	424
<b>270.249</b>	G1/4-male	427
<b>270.248</b>	G1/4-female	433

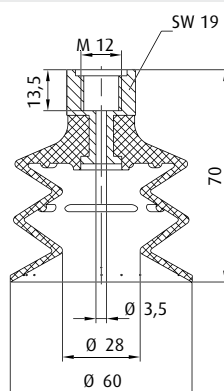


	Connection	see page
<b>270.281</b>	G1/4-male	428
<b>270.282</b>	G1/4-female	433

**Item no.**  
**23.060.172.\_\***

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

12 mm



**Item no.**  
**20.060.101.\_\***

**Material**  
NR (sw)

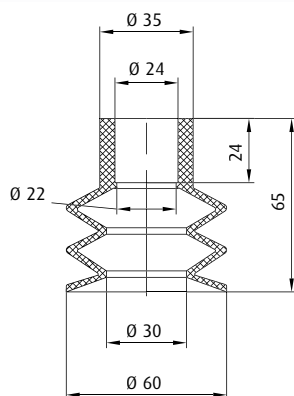
25 mm

\* 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



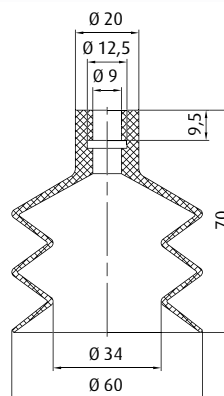
## Vacuum cups by size | Bellows vacuum cups by Ø

Ø 60 - 61 mm



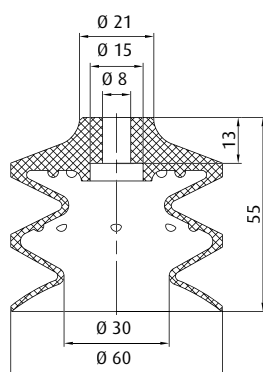
<b>Item no.</b> <b>21.060.035._*</b>	<b>Material</b> EPDM (sw), SI (r)	27 mm
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This vacuum cup is also available in the following dimensions: 40 mm



<b>Item no.</b> <b>21.060.099._*</b>	<b>Material</b> Vulkollan® (br)	16 mm
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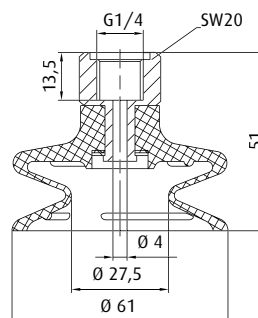
	Connection	see page
<b>270.352</b>	G1/8-male	420
<b>270.204</b>	G1/4-male	427
<b>270.324</b>	G1/4-female	432



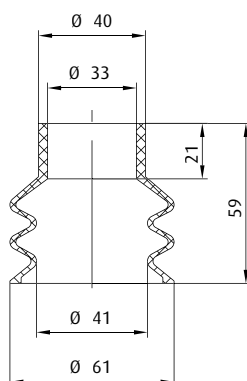
	Connection	see page
<b>270.315</b>	M6-male	414
<b>270.540</b>	G1/4-male	429
<b>270.539</b>	G1/4-female	434

<b>Item no.</b> <b>21.062.092._*</b>	<b>Material</b> Vulkollan® (br)	25 mm
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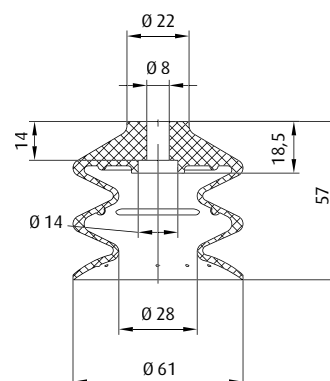
Additional sizes available are found on p. 97.



<b>Item no.</b> <b>22.060.107._*</b>	<b>Material</b> SI (tr), NR (sw)	11 mm
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<b>Item no.</b> <b>21.060.038._*</b>	<b>Material</b> NBR (sw), SI (tr)	25 mm
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	Connection	see page
<b>270.315</b>	M6-male	414
<b>270.540</b>	G1/4-male	429
<b>270.539</b>	G1/4-female	434


<b>Item no.</b> <b>21.060.051._*</b>	<b>Material</b> HNBR (ge), SI (tr), NR (sw)	25 mm
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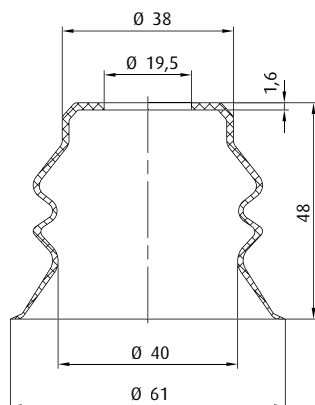
Additional sizes available are found on p. 94.

\* 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







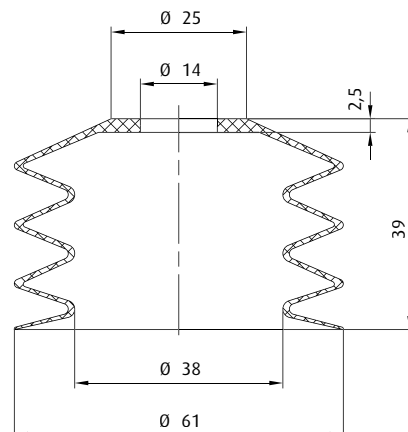
	Connection	see page
	<b>270.372</b> G1/2-male	437







<b>Item no.</b> <b>21.060.074._ *</b>	<b>Material</b> SI (tr)	 12 mm
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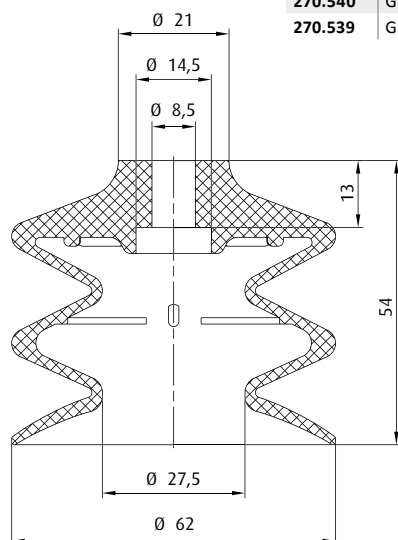
Additional sizes available are found on p. 126.


	Connection	see page
	<b>270.183</b> G1/4-male	431
	<b>270.182</b> G1/4-female	434








<b>Item no.</b> <b>25.060.033._ *</b>	<b>Material</b> NBR (sw), SI (br)	 16 mm
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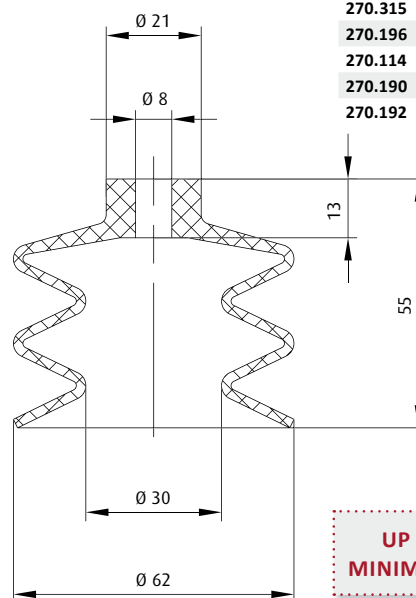
	Connection	see page
	<b>270.315</b> M6-male	414
	<b>270.540</b> G1/4-male	429
	<b>270.539</b> G1/4-female	434



<b>Item no.</b> <b>21.062.055._ *</b>	<b>Material</b> NBR (sw), SI (tr)	 25 mm
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Additional sizes available are found on p. 89.

	Connection	see page
	<b>270.315</b> M6-male	414
	<b>270.196</b> G1/8-male	420
	<b>270.114</b> G1/8-female	422
	<b>270.190</b> G1/4-male	428
	<b>270.192</b> G1/4-female	432



**UP TO 160 °C &  
MINIMUM MARKING**

<b>Item no.</b> <b>21.062.157._ *</b>	<b>Material</b> Thermalon® (bl)	 31 mm
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Additional sizes available are found on p. 92.

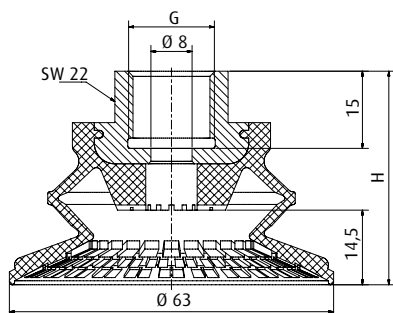
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Bellows vacuum cups by Ø

Ø 62 - 63 mm

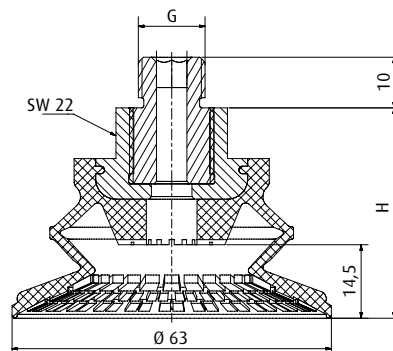
**NEW**



Item no.	Material	SW [mm]	Connection thread	H [mm]
22.060.190.*	NBR (bl)	14.5	G1/4-female	46.5
22.060.191.*	NBR (bl)	14.5	G3/8-female	41.5

Additional sizes available are found on p. 133.

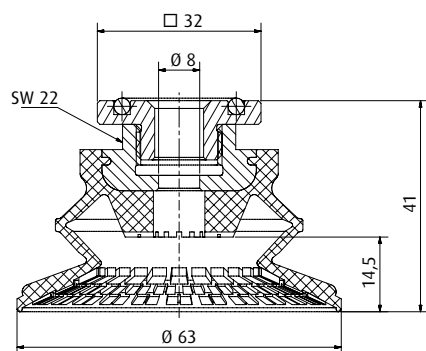
**NEW**



Item no.	Material	SW [mm]	Connection thread	H [mm]
22.060.189.*	NBR (bl)	14.5	G1/4-male	41.5
22.060.192.*	NBR (bl)	14.5	M10-male	41.5
22.060.193.*	NBR (bl)	14.5	M14x1.5-male	41.5

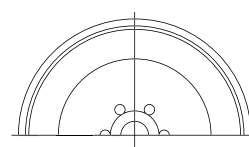
Additional sizes available are found on p. 133.

**NEW**

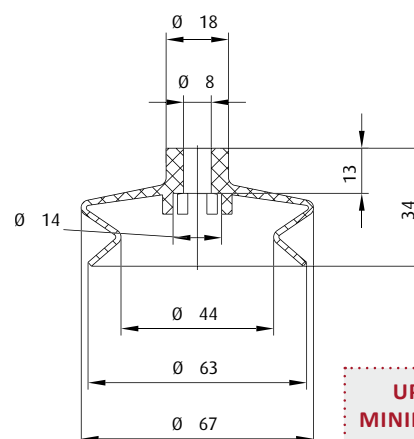


Item no.	Material	SW [mm]
22.060.194.*	NBR (bl)	14.5 mm

Additional sizes available are found on p. 133.



Item no.	Connection	see page
270.315	M6-male	414
270.196	G1/8-male	420
270.114	G1/8-female	422
270.190	G1/4-male	428
270.192	G1/4-female	432

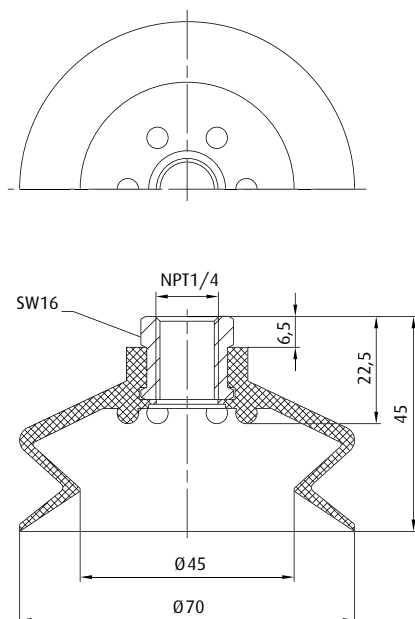


**UP TO 160 °C & MINIMUM MARKING**

Item no.	Material	SW [mm]
23.063.244.*	Thermalon® (bl)	15 mm

Additional sizes available are found on p. 84.

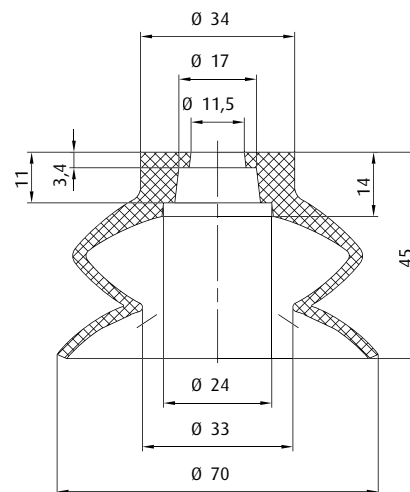
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



**Item no.**  
**22.070.127.\_\***

**Material**  
Vinyl (bl)

13 mm

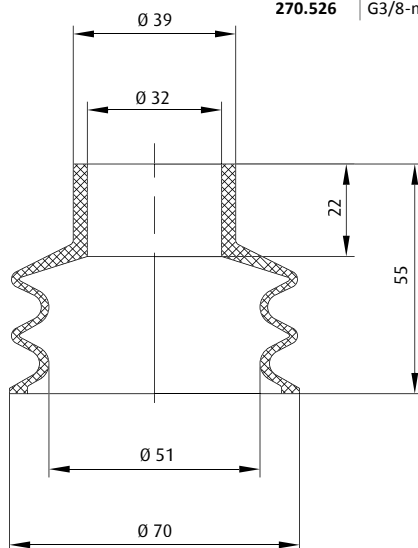


**Item no.**  
**23.070.060.\_\***

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

20 mm

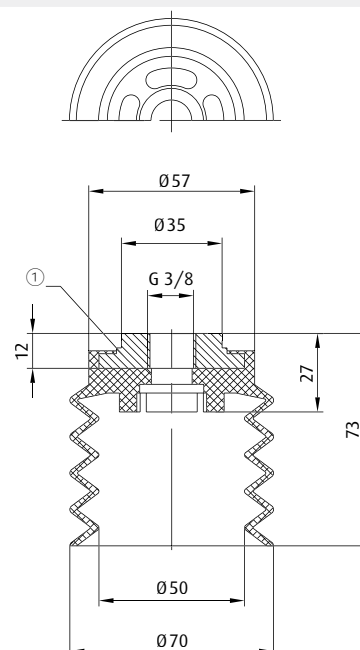
Additional sizes available are found on p. 113.



**Item no.**  
**21.070.041.\_\***

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

17 mm



① = Aluminium

**Item no.**  
**25.069.050.\_\***

**Material**  
Vinyl (bl)

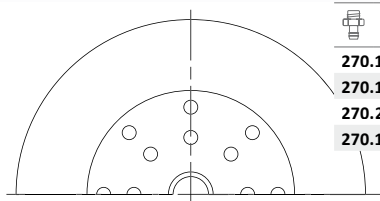
32 mm

\* 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

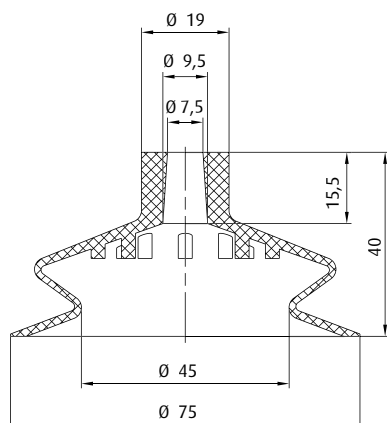


## Vacuum cups by size | Bellows vacuum cups by Ø

Ø 75 mm



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

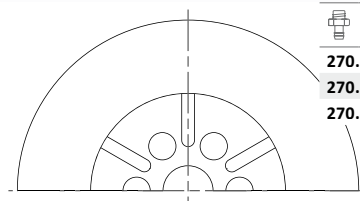


**Item no.**  
**23.075.063. \***

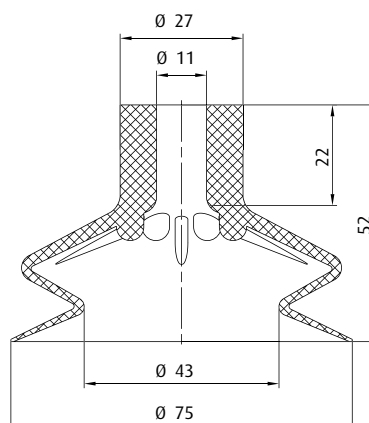
**Material**  
NBR (sw), SI (r)

17 mm

This vacuum cup is also available in the following dimensions: 31 mm, 53 mm



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



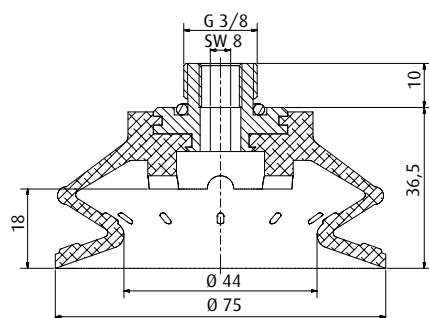
**Item no.**  
**23.075.151. \***

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

20 mm

Additional sizes available are found on p. 81.

**NEW**



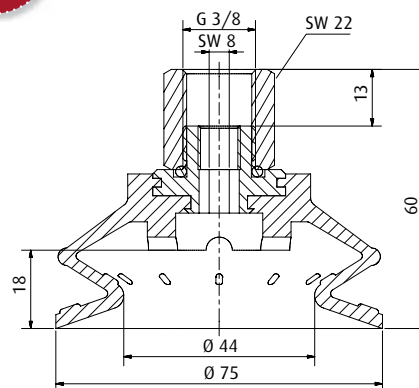
**Item no.**  
**22.075.262. \***

**Material**  
Varioflex® 60/30° (sw/r)

18 mm

Additional sizes available are found on p. 107.

**NEW**



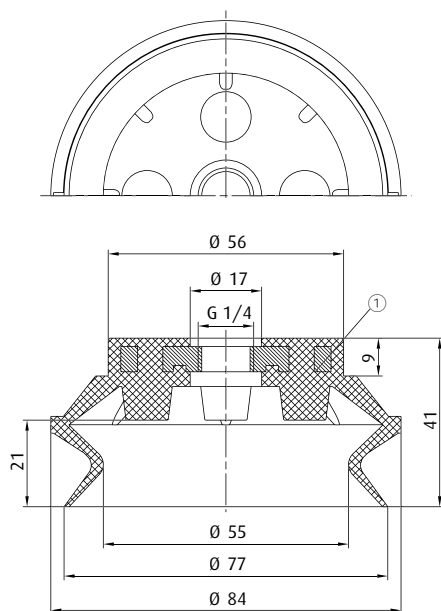
**Item no.**  
**22.075.263. \***

**Material**  
Varioflex® 60/30° (sw/r)

18 mm

Additional sizes available are found on p. 107.

\* 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



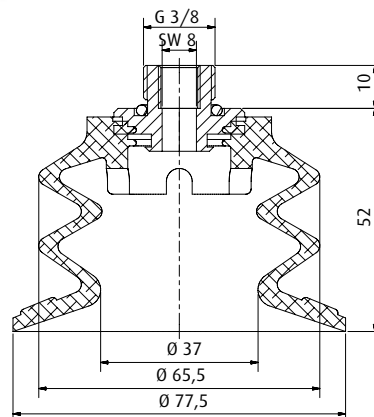
① = Aluminium

**Item no.**  
**23.075.130. \***

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

21 mm

**NEW**



**Item no.**  
**20.077.154. \***

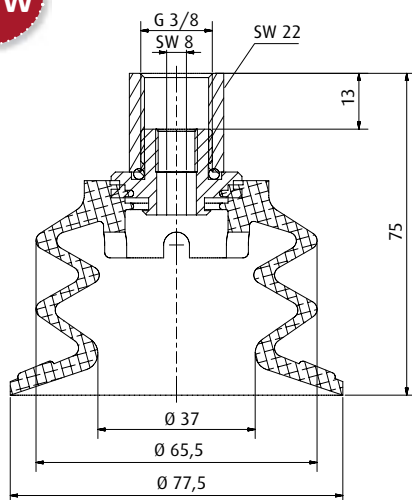
**Material**  
Varioflex® 60/30° (sw/r)

25 mm

Additional sizes available are found on p. 110.

**Ordering notes:** For version with in bellows inserted filter disc please add "-FI" to material code

**NEW**



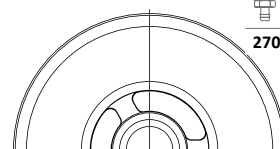
**Item no.**  
**20.077.155. \***

**Material**  
Varioflex® 60/30° (sw/r)

25 mm

Additional sizes available are found on p. 110.

**Ordering notes:** For version with in bellows inserted filter disc please add "-FI" to material code



① = Aluminium

**Item no.**  
**22.080.144. \***

**Material**  
SBR (br)

23 mm



270.364

**Connection**  
G1/4-male

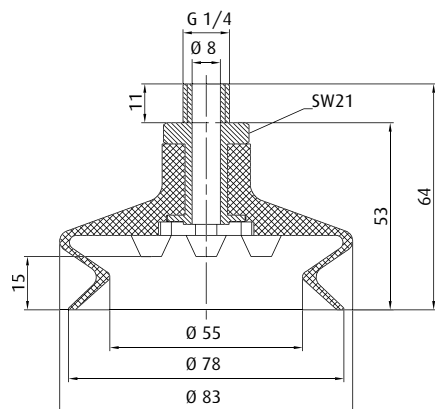
**see page**  
430

\* 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 | Bellows vacuum cups by Ø

Ø 78 - 80 mm

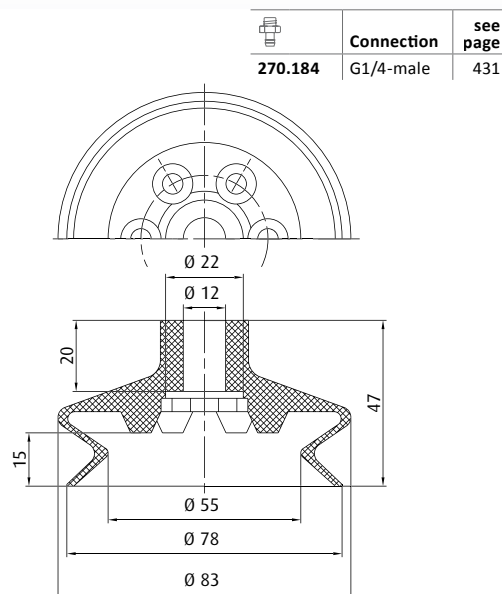


**Item no.**  
**22.078.071.\_ \***

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

15 mm

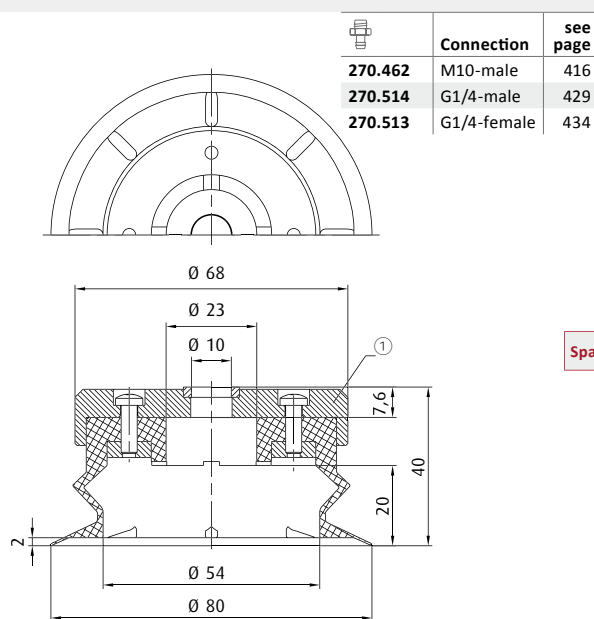
Spare cup



**Item no.**  
**23.078.067.\_ \***

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

15 mm



① = Aluminium

**FLEXIBLE & STABLE**

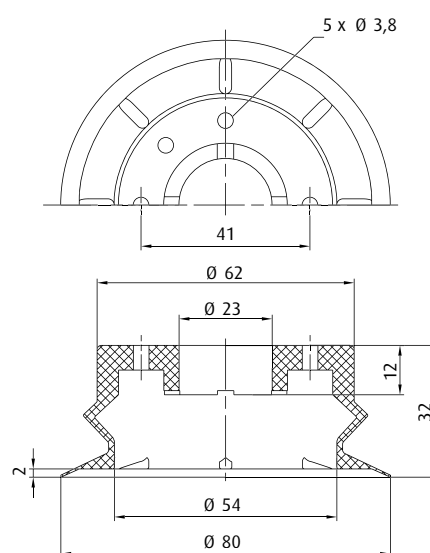
**Item no.**  
**22.080.161.\_ \***

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

10 mm

Additional sizes available are found on p. 119.

Spare cup



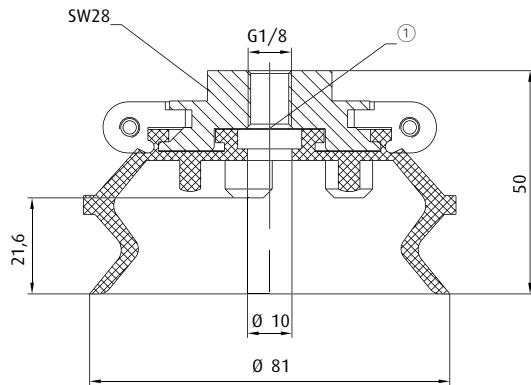
**Item no.**  
**23.080.144.\_ \***

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

10 mm

Additional sizes available are found on p. 119.

\* 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



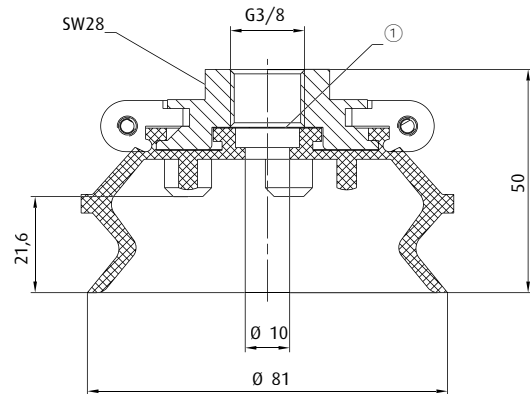
① = Filter screen

**Item no.**  
**22.078.163. \***

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



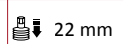
Additional sizes available are found on p. 104.



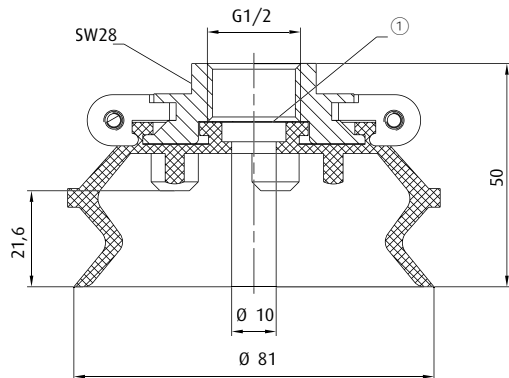
① = Filter screen

**Item no.**  
**22.078.166. \***

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



Additional sizes available are found on p. 104.



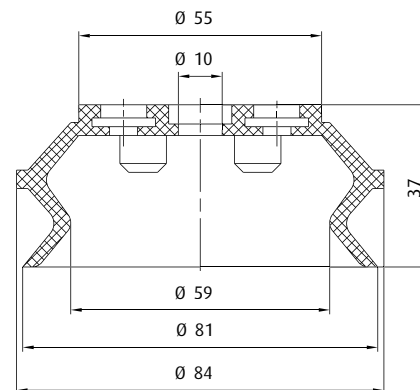
① = Filter screen

**Item no.**  
**22.078.169. \***

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

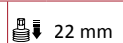


Additional sizes available are found on p. 104.



**Item no.**  
**23.078.065. \***

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



Additional sizes available are found on p. 100.

	Connection	see page
270.527-S	G1/8-female	424
270.528-S	G3/8-female	436
270.529-S	G1/2-female	436

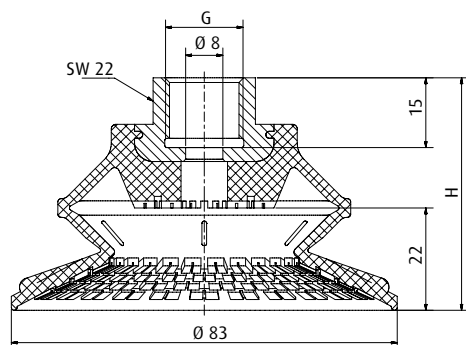
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Bellows vacuum cups by Ø

Ø 82 - 84 mm

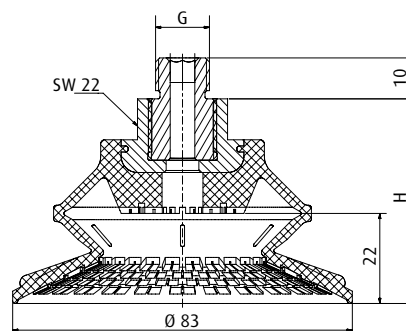
**NEW**



Item no.	Material	SW [mm]	Connection thread	H [mm]
22.080.196._*	NBR (bl)	22	G1/4-female	55
22.080.197._*	NBR (bl)	22	G3/8-female	50

Additional sizes available are found on p. 133.

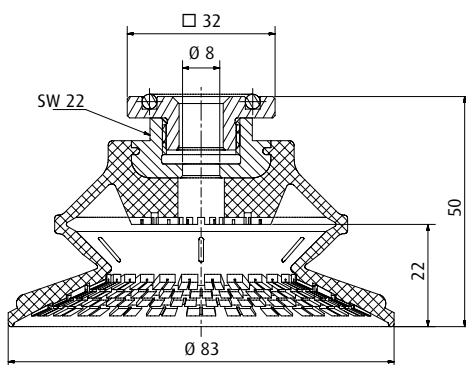
**NEW**



Item no.	Material	SW [mm]	Connection thread	H [mm]
22.080.195._*	NBR (bl)	22	G1/4-male	50
22.080.198._*	NBR (bl)	22	M10-male	50
22.080.199._*	NBR (bl)	22	M14x1.5-male	50

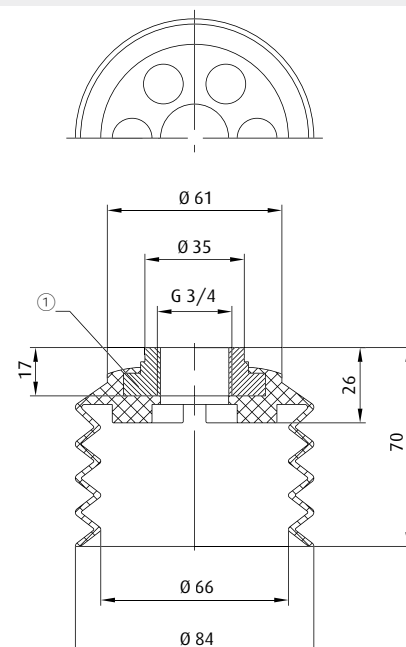
Additional sizes available are found on p. 133.

**NEW**



Item no.	Material	SW [mm]
22.080.200._*	NBR (bl)	22 mm

Additional sizes available are found on p. 133.

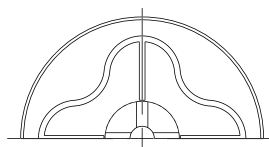


① = Aluminium

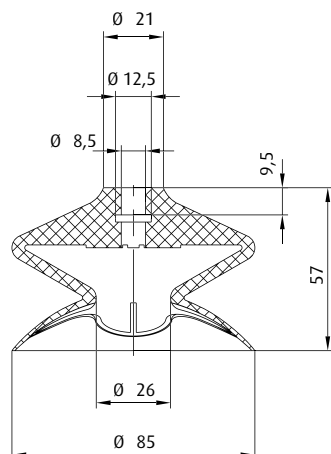
Item no.	Material	SW [mm]
25.084.051._*	Vinyl (bl)	31 mm

\* 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





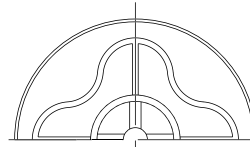
	Connection	see page
270.359	G1/4-male	427
270.361	G1/4-female	433



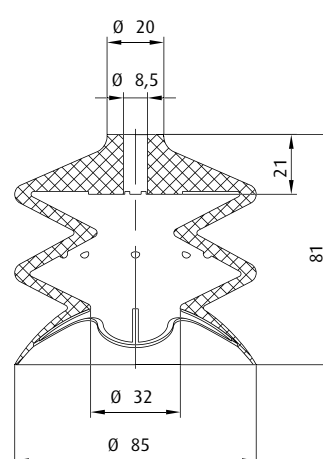
**Item no.**  
23.085.201.\*

**Material**  
Vulkollan® (br)

25 mm



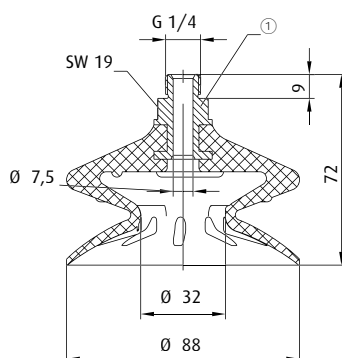
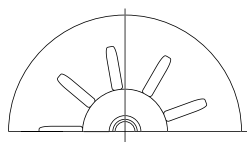
	Connection	see page
270.359	G1/4-male	427



**Item no.**  
21.085.107.\*

**Material**  
Vulkollan® (br)

38 mm



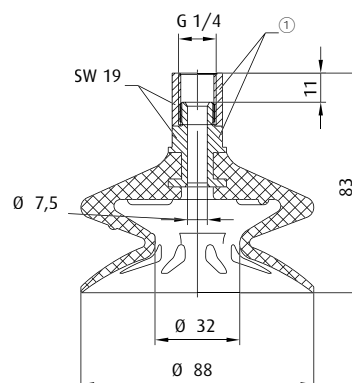
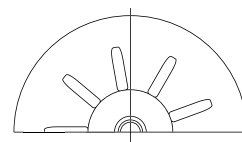
① = Aluminium fitting, vulcanised

**Item no.**  
22.088.158.\*

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

23 mm

Additional sizes available are found on p. 81.



① = Aluminium fitting, vulcanised

**Item no.**  
22.088.159.\*

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

23 mm

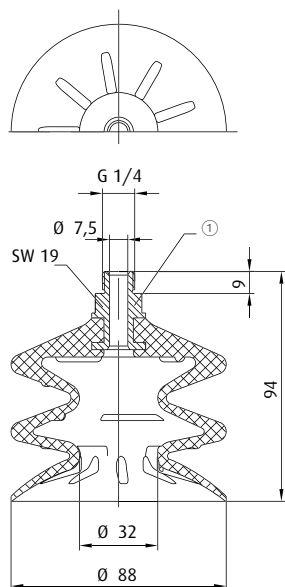
Additional sizes available are found on p. 81.

\* 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 | Bellows vacuum cups by Ø

Ø 88 - 92 mm



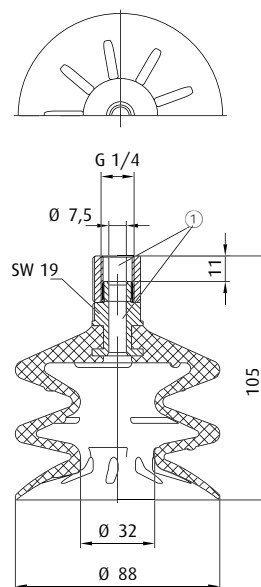
① = Aluminium fitting, vulcanised

**Item no.**  
**20.088.123.\_ \***

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

36 mm

Additional sizes available are found on p. 89.



① = Aluminium fitting, vulcanised

**Item no.**  
**20.088.124.\_ \***

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

36 mm

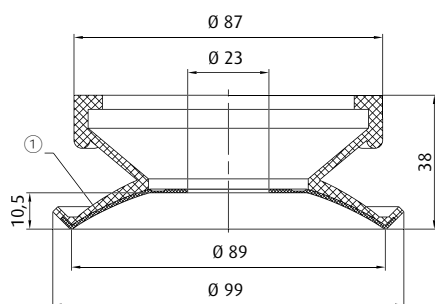
Additional sizes available are found on p. 89.



**270.400**

**Connection**  
G3/8-female

**see**  
**page**  
436



**HEAT RESISTANT & LOW MARKING**

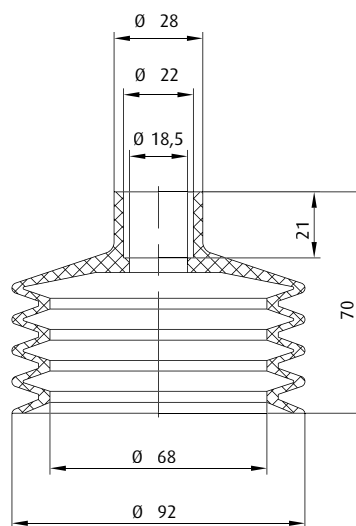
① = Felt pads

**Item no.**  
**26.090.001.\_ \***

**Material**  
SI (tr/ge), FKM (sw/ge)

17 mm

Additional sizes available are found on p. 164.

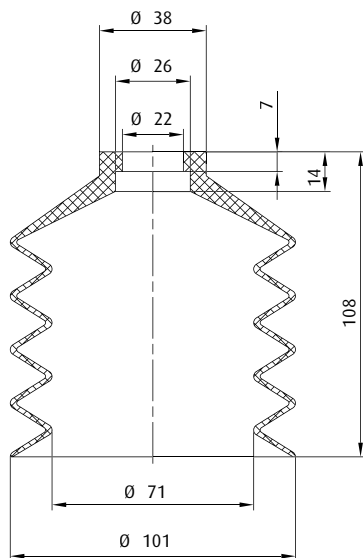


**Item no.**  
**25.091.052.\_ \***

**Material**  
Vinyl (bl)

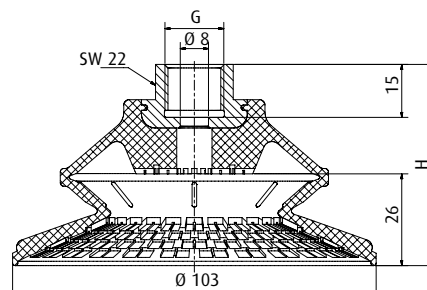
32 mm

\* 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> <b>25.102.053._*</b>	<b>Material</b> Vinyl (bl)	55 mm
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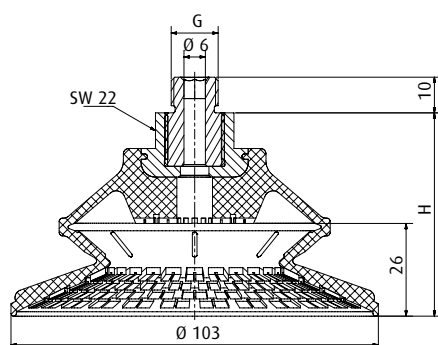
**NEW**



<b>Item no.</b>	<b>Material</b>	[mm]	<b>Connection thread</b>	<b>H [mm]</b>
<b>22.100.202._*</b>	NBR (bl)	26	G1/4-female	62
<b>22.100.203._*</b>	NBR (bl)	26	G3/8-female	57

Additional sizes available are found on p. 133.

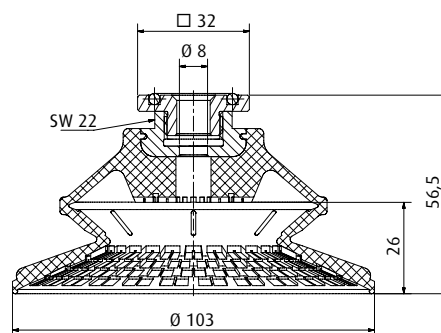
**NEW**



<b>Item no.</b>	<b>Material</b>	[mm]	<b>Connection thread</b>	<b>H [mm]</b>
<b>22.100.201._*</b>	NBR (bl)	26	G1/4-male	57
<b>22.100.204._*</b>	NBR (bl)	26	M10-male	57
<b>22.100.205._*</b>	NBR (bl)	26	M14x1.5-male	57

Additional sizes available are found on p. 133.

**NEW**



<b>Item no.</b> <b>22.100.206._*</b>	<b>Material</b> NBR (bl)	26 mm
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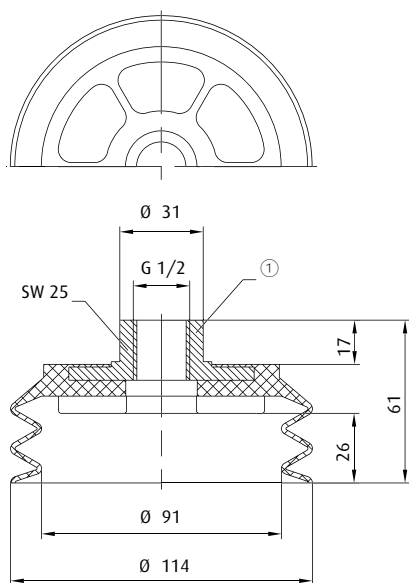
Additional sizes available are found on p. 133.

\* 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 | Bellows vacuum cups by Ø

Ø 114 mm

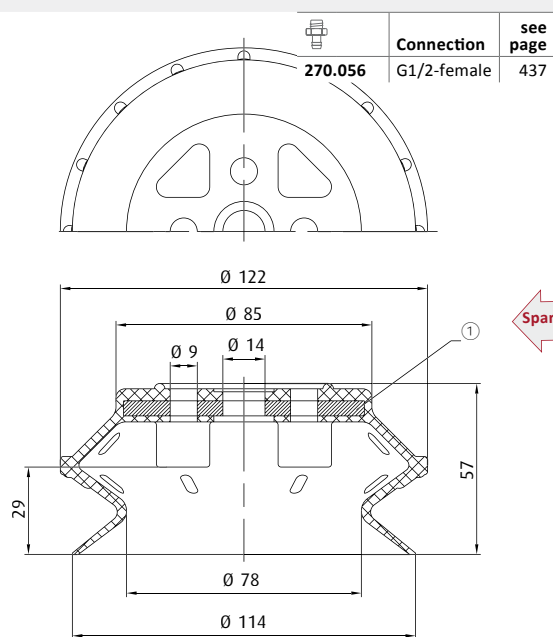


① = Aluminium

**Item no.**  
**20.115.114.\_\***

**Material**  
Vinyl (bl)

27 mm



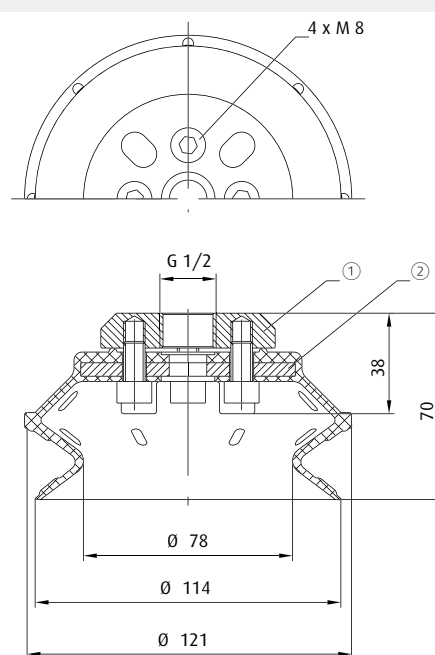
① = Steel

**Item no.**  
**23.110.070.\_\***

**Material**  
NBR (sw)

29 mm

**Notes:** Hardness 70° Shore A



① = Aluminium ② = Steel

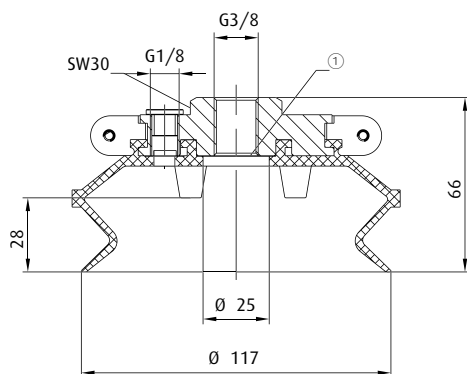
**Item no.**  
**22.110.080.\_\***

**Material**  
NBR (sw)

29 mm

**Notes:** Hardness 70° Shore A

\* 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

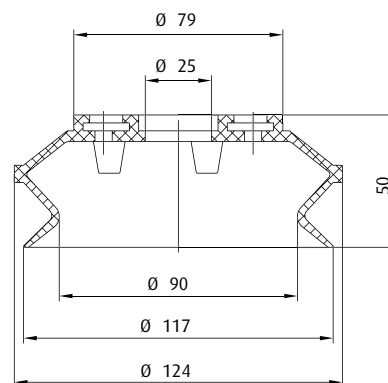
**Item no.**  
**22.117.164.\_\***

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

29 mm

Additional sizes available are found on p. 104.

Spare cup



	Connection	see page
<b>270.530-S</b>	G3/8-female	437
<b>270.531-S</b>	G1/2-female	437

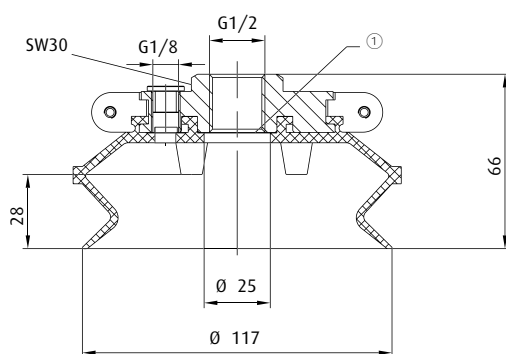
**Item no.**  
**23.117.069.\_\***

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

29 mm

Additional sizes available are found on p. 100.

Spare cup



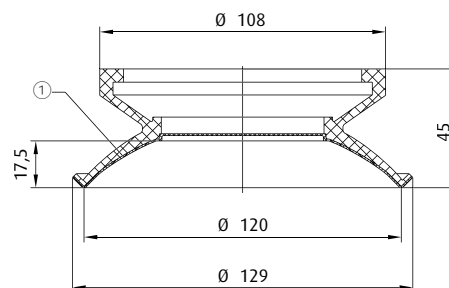
① = Filter screen

**Item no.**  
**22.117.167.\_\***

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

29 mm

Additional sizes available are found on p. 104.



**HEAT RESISTANT & LOW MARKING**

① = Felt pads

**Item no.**  
**26.120.002.\_\***

**Material**  
FKM (sw/ge)

18 mm

Additional sizes available are found on p. 164.

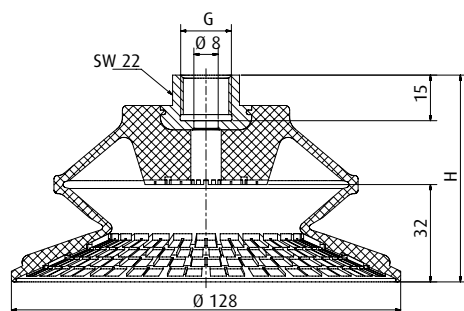
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



## Vacuum cups by size | Bellows vacuum cups by Ø

Ø 128 mm

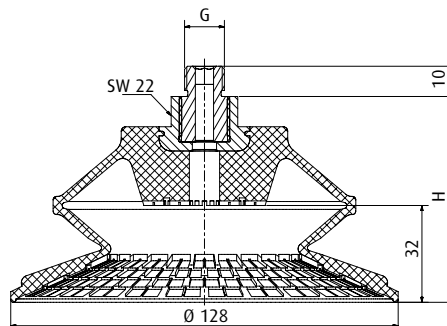
**NEW**



Item no.	Material	[mm]	Connection thread	H [mm]
22.125.208._*	NBR (bl)	32	G1/4-female	73
22.125.209._*	NBR (bl)	32	G3/8-female	68

Additional sizes available are found on p. 133.

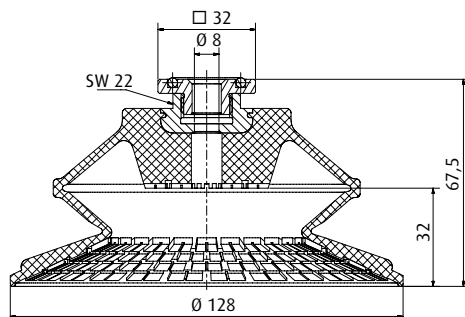
**NEW**



Item no.	Material	[mm]	Connection thread	H [mm]
22.125.207._*	NBR (bl)	32	G1/4-male	68
22.125.210._*	NBR (bl)	32	M10-male	68
22.125.211._*	NBR (bl)	32	M14x1.5-male	68

Additional sizes available are found on p. 133.

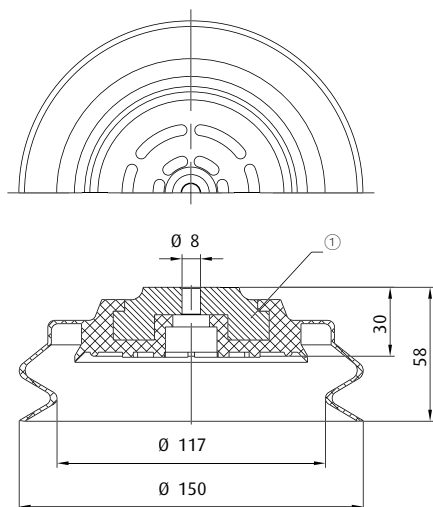
**NEW**



Item no.	Material	32 mm
22.125.212._*	NBR (bl)	

Additional sizes available are found on p. 133.

\* 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

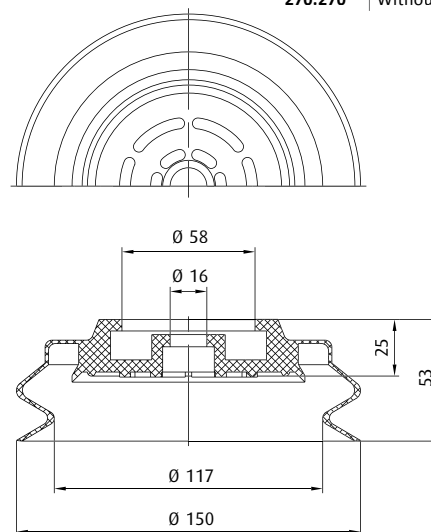
**Item no.**  
**22.150.109. \_ \***

**Material**  
NBR (sw)

28 mm

Additional sizes available are found on p. 136.

Spare cup

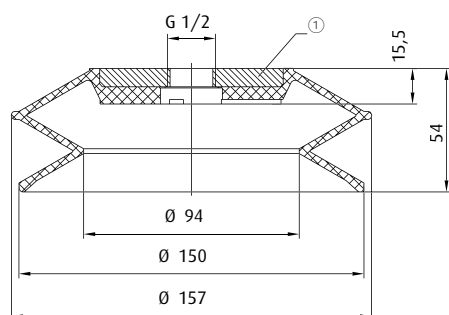


**Item no.**  
**23.150.090. \_ \***

**Material**  
NBR (sw)

28 mm

Connection	see page
270.270 Without	440



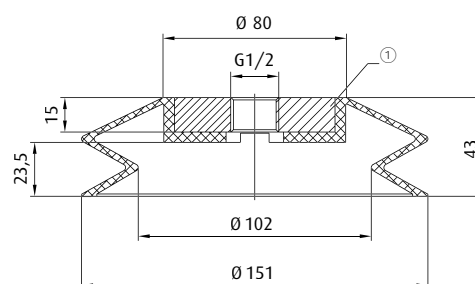
① = Steel

**Item no.**  
**22.150.084. \_ \***

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

32 mm

Additional sizes available are found on p. 137.



① = Aluminium

**Item no.**  
**22.150.020. \_ \***

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

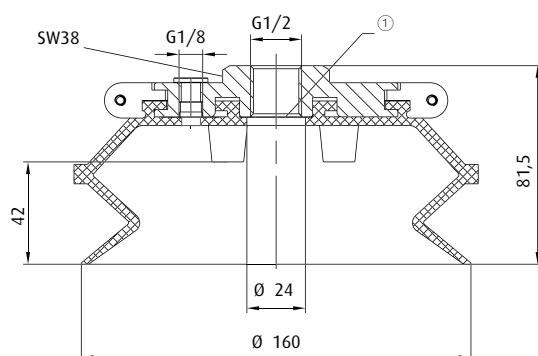
20 mm

\* 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 | Bellows vacuum cups by Ø

Ø 160 mm



① = Filter screen

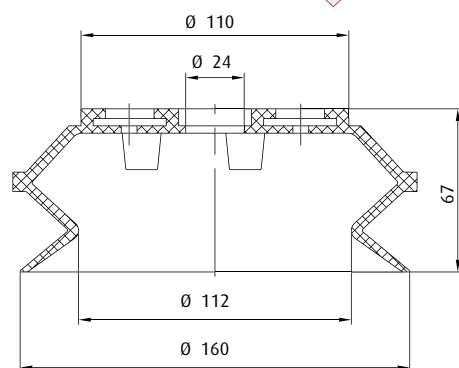
**Item no.**  
**22.160.165.\_\***


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

 41 mm

Additional sizes available are found on p. 104.  
This vacuum cup is also available in the following dimensions: 160 mm

Spare cup



	Connection	see page
270.532-S	G1/2-female	437
270.533-S	G3/4-female	437

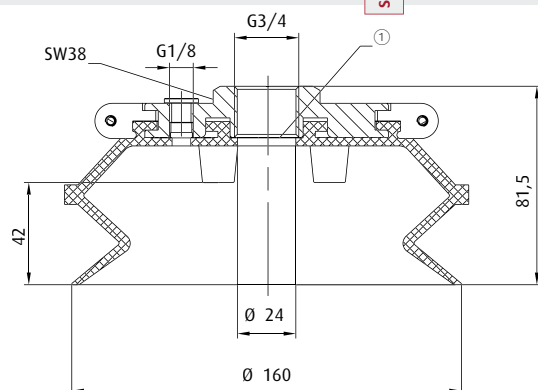
**Item no.**  
**23.160.072.\_\***

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

 41 mm

Additional sizes available are found on p. 100.

Spare cup



① = Filter screen

**Item no.**  
**22.160.168.\_\***

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

 41 mm

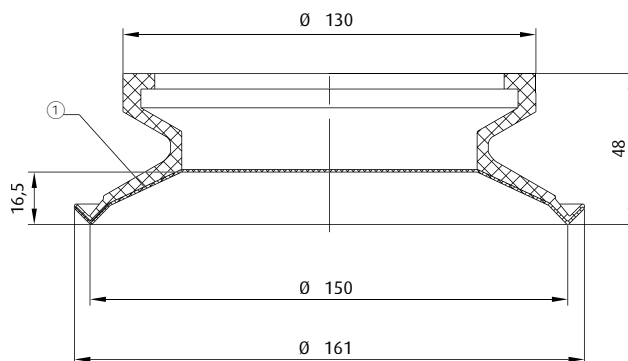
Additional sizes available are found on p. 104.

\* 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





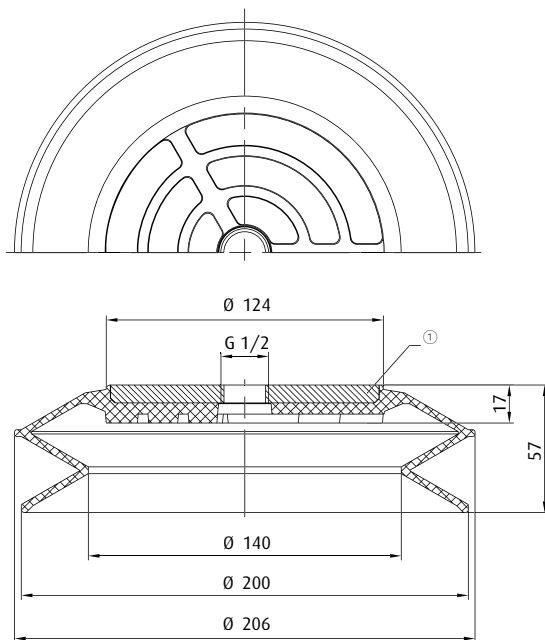
	Connection	see page
270.404	G3/8-female	436



**HEAT RESISTANT & LOW MARKING**

① = Felt pads

<b>Item no.</b> 26.160.003._ *	<b>Material</b> FKM (sw/ge)	18 mm	Additional sizes available are found on p. 164.
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① = Steel

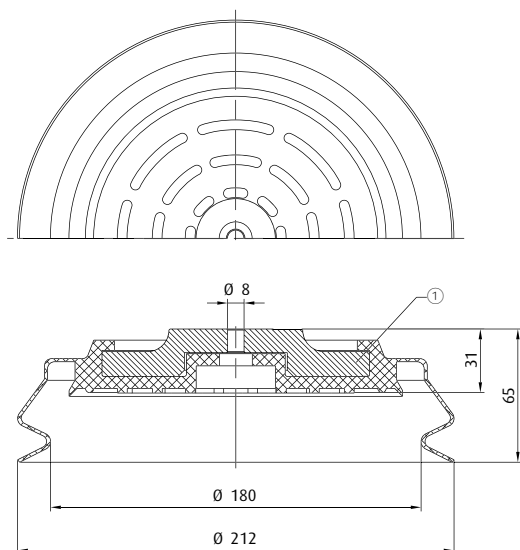
<b>Item no.</b> 22.200.087._ *	<b>Material</b> NBR (gr), NR (br)	30 mm	Additional sizes available are found on p. 137.
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



## Vacuum cups by size | Bellows vacuum cups by Ø


Ø 212 mm



① = Aluminium

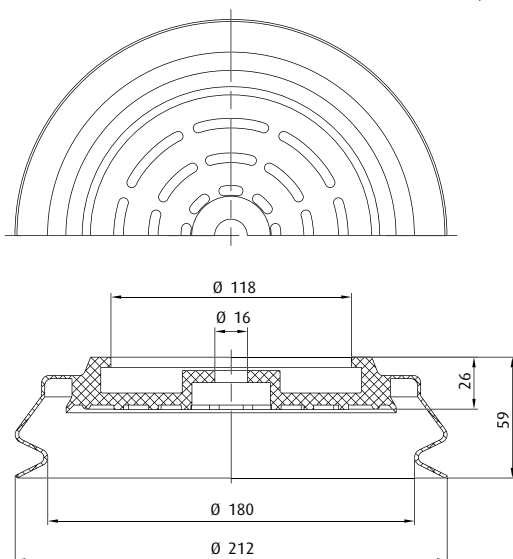
**Item no.**  
**22.210.115.\_\***

**Material**  
NBR (sw)

 32 mm

Additional sizes available are found on p. 136.

Spare cup




**270.269**

**Connection**  
Without

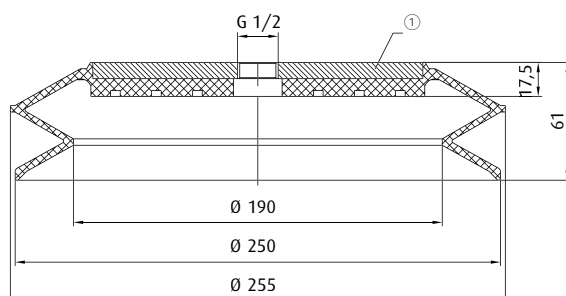
**see**  
**page**  
440

**Item no.**  
**23.210.009.\_\***

**Material**  
NBR (sw)

 32 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



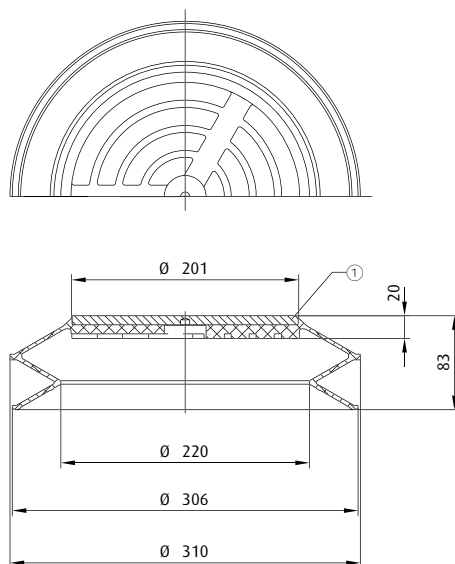
① = Steel

**Item no.**  
**22.250.088.\_\***

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

38 mm

Additional sizes available are found on p. 137.



① = Steel

**Item no.**  
**22.300.091.\_\***

**Material**  
NBR (gr)

60 mm

Additional sizes available are found on p. 137.

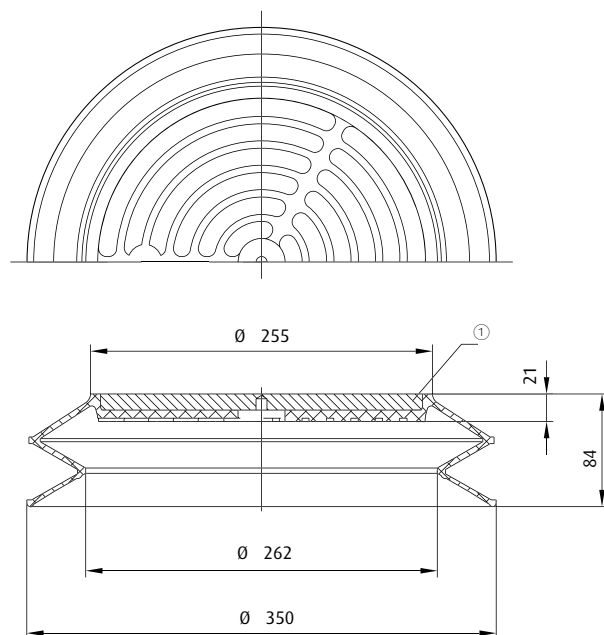
**Ordering notes:** Customised drilling patterns on request

\* 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 | Bellows vacuum cups by Ø


Ø 350 mm



① = Steel

**Item no.**  
**22.350.102.\_\***

**Material**  
NBR (gr)

 55 mm

Additional sizes available are found on p. 137.  
**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