

## Application / Uses

- > Oval vacuum cups are suited for elongated workpieces where only minimal space is available (e.g. rails, profiles, products with ridges)
- > Also suitable for curved workpieces
- > Significantly greater suction power than round vacuum cups of equal width



## Designs



- > FIPA oval vacuum cups are available as flat or bellows vacuum suction cups, with or without supporting ribs
- > Supporting ribs:
  - Improve stability and suction power
  - Prevent flexible product parts from being sucked in
  - Prevent slipping of the product while suction is being applied

## 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



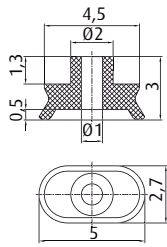
### Vulcanised fittings / retainer plates

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



# Vacuum cups by size | Oval vacuum cups by size

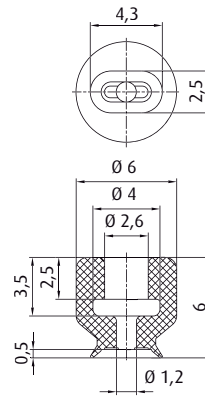
4x2 mm - 7x4 mm



	Connection	see page
270.011	M3-male	408

<b>Item no.</b> 132.4x2.001.*	<b>Material</b> NBR (sw), SI (tr), PU (bl)	0.5 mm
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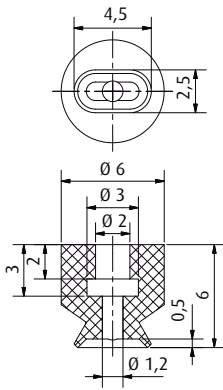
Additional sizes available are found on p. 141.



	Connection	see page
270.014	M3-male	408
270.111	M4-male	408
270.300	M5-male	411

<b>Item no.</b> 132.4x2.031.*	<b>Material</b> NBR (sw), HNBR (ge), SI (tr), PU (bl)	0.5 mm
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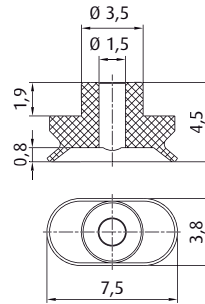
Additional sizes available are found on p. 141.



	Connection	see page
270.014	M3-male	408
270.111	M4-male	408
270.300	M5-male	411

<b>Item no.</b> 132.4x2.079.*	<b>Material</b> Thermalon® (bl)	0.4 mm
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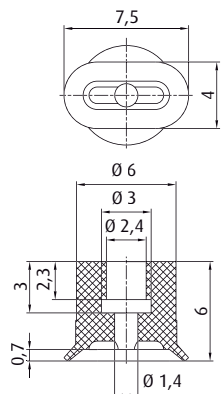
Additional sizes available are found on p. 144.



	Connection	see page
270.025	M3-male	408

<b>Item no.</b> 132.7x4.002.*	<b>Material</b> NBR (sw), SI (tr), SI-AS (sw)	0.8 mm
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Additional sizes available are found on p. 141.

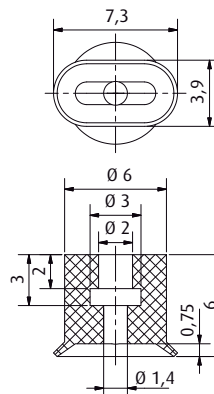


	Connection	see page
270.014	M3-male	408
270.111	M4-male	408
270.300	M5-male	411

**BESTSELLER**

<b>Item no.</b> 132.7x4.034.*	<b>Material</b> NBR (sw), HNBR (ge), SI (tr)	0.8 mm
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Additional sizes available are found on p. 141.



	Connection	see page
270.014	M3-male	408
270.111	M4-male	408
270.300	M5-male	411

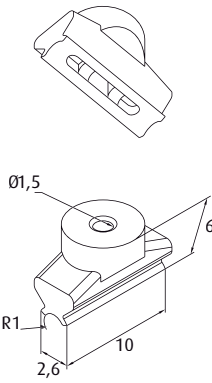
<b>Item no.</b> 132.7x4.080.*	<b>Material</b> Thermalon® (bl)	0.5 mm
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Additional sizes available are found on p. 144.

\* 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

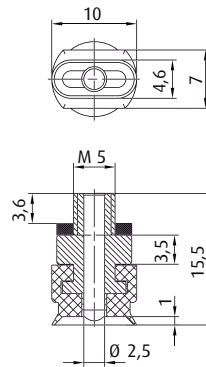
# Vacuum cups by size | Oval vacuum cups by size

10x3 mm - 10x4 mm



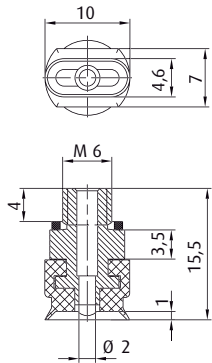
Item no.	Connection	see page
270.300	M5-male	411

**Item no. 201.10x3.005.\*** Material NBR (sw), SI (tr) 0 mm  
 Additional sizes available are found on p. 154.  
 Notes: Suitable for cylindrical products diam. 2-4 mm



Item no.	Connection	see page
50.152	10 mm	444
50.153	20 mm	444

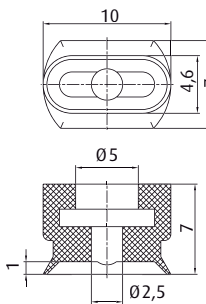
**Item no. 130.10x4.115.\*** Material NBR (sw), SI (tr), BR-AS (sw) 0.9 mm  
 Additional sizes available are found on p. 152.



Item no.	Connection	see page
50.095	20 mm	456
50.096	30 mm	456
50.097	40 mm	456
50.098	50 mm	456

**Item no. 130.10x4.068.\*** Material NBR (sw), BR-AS (sw), SI (tr) 0.9 mm  
 Additional sizes available are found on p. 152.

Spare cup



Item no.	Connection	see page
270.463	M5-male	412
270.339	M6-male	413

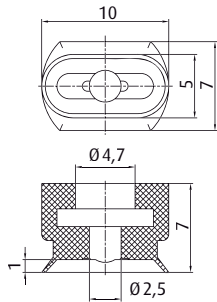
**Item no. 132.10x4.003.\*** Material NBR (sw), BR-AS (sw), SI (tr) 0.9 mm

\* 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



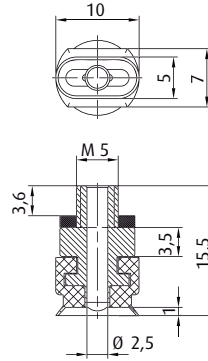
# Vacuum cups by size | Oval vacuum cups by size

10x5 mm - 10x6 mm



Icon	Connection	see page
	M5-male	412
	M6-male	413

Spare cup

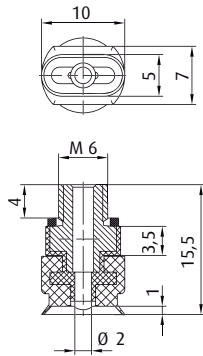


Icon	Connection	see page
	10 mm	444
	20 mm	444

**Item no.** 132.10x5.007.\* **Material** NBR (sw), BR-AS (sw), SI (tr) 0.9 mm

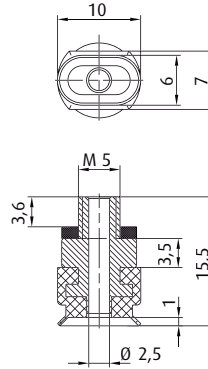
**Item no.** 130.10x5.116.\* **Material** NBR (sw), SI (tr), BR-AS (sw) 0.9 mm

Additional sizes available are found on p. 152.



Icon	Connection	see page
	20 mm	456
	30 mm	456
	40 mm	456
	50 mm	456

Spare cup



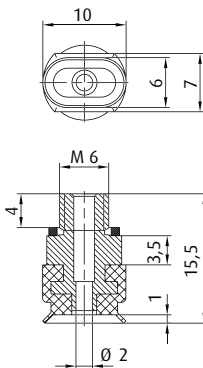
Icon	Connection	see page
	10 mm	444
	20 mm	444

**Item no.** 130.10x5.071.\* **Material** NBR (sw), BR-AS (sw), SI (tr) 0.9 mm

**Item no.** 130.10x6.117.\* **Material** NBR (sw), SI (tr), BR-AS (sw) 0.9 mm

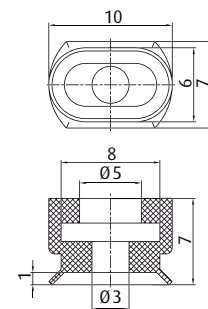
Additional sizes available are found on p. 152.

Additional sizes available are found on p. 152.



Icon	Connection	see page
	20 mm	456
	30 mm	456
	40 mm	456
	50 mm	456

Spare cup



Icon	Connection	see page
	M5-male	412
	M6-male	413

**Item no.** 130.10x6.073.\* **Material** NBR (sw), BR-AS (sw), SI (tr) 0.9 mm

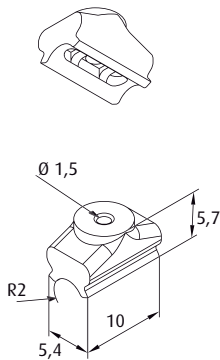
**Item no.** 132.10x6.011.\* **Material** NBR (sw), BR-AS (sw), SI (tr) 0.9 mm


Additional sizes available are found on p. 152.


\* 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 | Oval vacuum cups by size

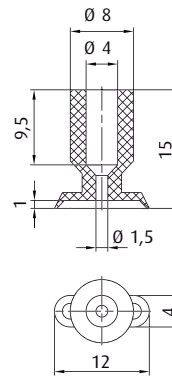
10x6 mm - 15x5 mm





	Connection	see page
270.300	M5-male	411

<b>Item no.</b> 201.10x6.006._*	<b>Material</b> NBR (sw), SI (tr)	 0 mm
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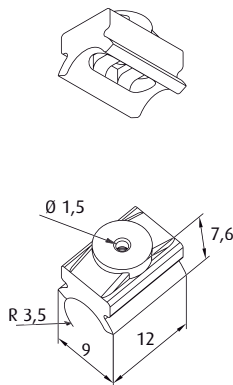
Additional sizes available are found on p. 154.





	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> 132.12x4.004._*	<b>Material</b> NBR (gr), SI (tr)	 0.5 mm
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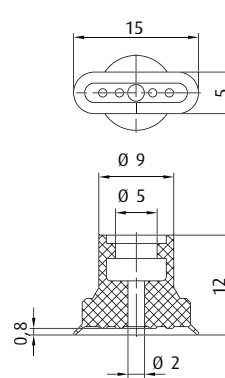
Additional sizes available are found on p. 141.





	Connection	see page
270.300	M5-male	411

<b>Item no.</b> 201.12x9.007._*	<b>Material</b> NBR (sw), SI (tr)	 0 mm
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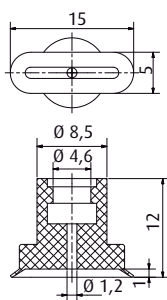
Additional sizes available are found on p. 154.  
Notes: Suitable for cylindrical products diam. 6-13 mm




	Connection	see page
270.094	M5-male	411
270.005	M5-female	412
270.095	G1/8-male	418
270.096	G1/8-female	422

<b>Item no.</b> 132.15x5.008._*	<b>Material</b> NBR (gr), SI (tr), PU (bl)	 1 mm
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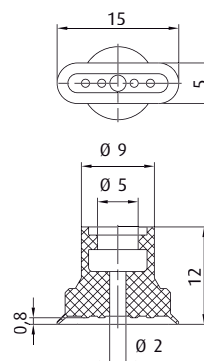
Additional sizes available are found on p. 141.  
Ordering notes: Use of a gripper clamp (available separately) recommended.





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

<b>Item no.</b> 132.15x5.081._*	<b>Material</b> Thermalon® (bl)	 0.6 mm
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Additional sizes available are found on p. 144.



	Connection	see page
270.431	G1/8-male	418

<b>Item no.</b> 132.15x5.067._*	<b>Material</b> HNBR (ge)	 1 mm
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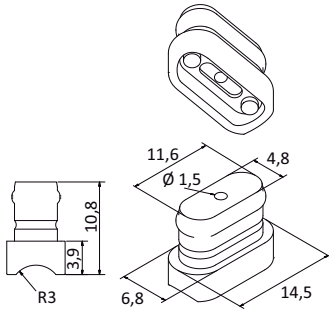
Additional sizes available are found on p. 146.  
Ordering notes: Use of a gripper clamp (available separately) recommended.

\* 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



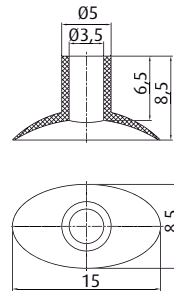
# Vacuum cups by size | Oval vacuum cups by size

15x8 mm - 19x5 mm



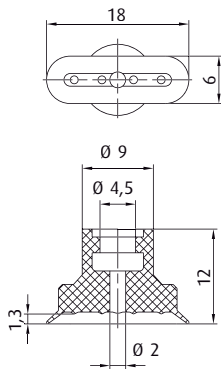
**Item no.** 132.15x7.073.\* **Material** SI (r) 0 mm

Additional sizes available are found on p. 154.  
**Notes:** Suitable for cylindrical products diam. 4-10 mm



	Connection	see page
270.536	M5-male	409

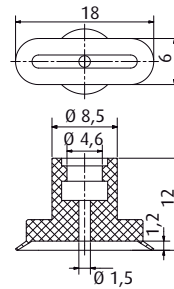
**Item no.** 132.15x8.5.33.\* **Material** NR (sw) 2 mm



	Connection	see page
270.094	M5-male	411
270.005	M5-female	412
270.095	G1/8-male	418
270.096	G1/8-female	422

**Item no.** 132.18x6.012.\* **Material** NBR (gr), SI (tr), PU (bl) 1 mm

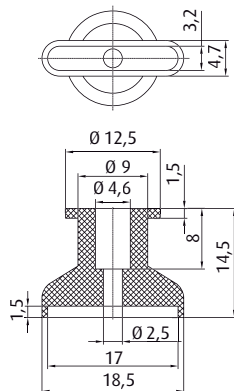
Additional sizes available are found on p. 141.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.



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

**Item no.** 132.18x6.082.\* **Material** Thermalon® (bl) 1 mm

Additional sizes available are found on p. 144.



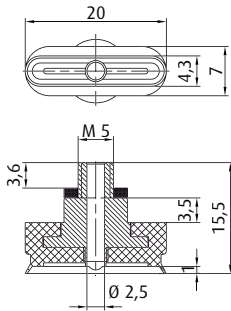
	Connection	see page
270.013	M5-male	410
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421

**Item no.** 132.19x5.044.\* **Material** Vinyl (bl) 0 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 | Oval vacuum cups by size

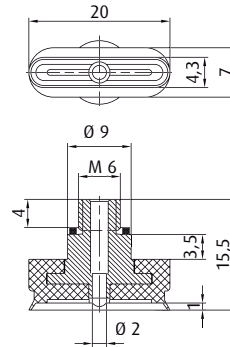
20x4 mm - 20x5 mm



		see page
50.152	10 mm	444
50.153	20 mm	444

**Item no. 130.20x4.118.\*** Material NBR (sw), SI (tr), BR-AS (sw) 0.9 mm

Additional sizes available are found on p. 152.



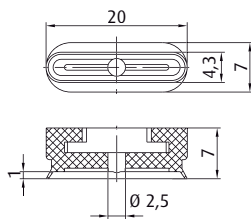
		see page
50.095	20 mm	456
50.096	30 mm	456
50.097	40 mm	456
50.098	50 mm	456

**Item no. 130.20x4.069.\*** Material NBR (sw), BR-AS (sw), SI (tr) 0.9 mm

Additional sizes available are found on p. 152.

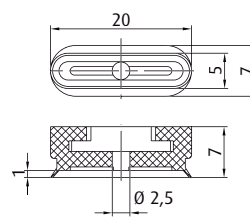
Spare cup

Spare cup



	Connection	see page
270.464	M5-male	412
270.340	M6-male	413

**Item no. 132.20x4.005.\*** Material NBR (sw), BR-AS (sw), SI (tr) 0.9 mm

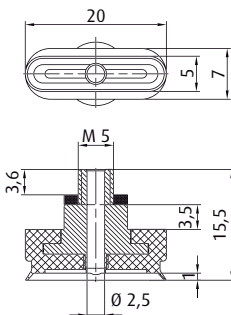


	Connection	see page
270.464	M5-male	412
270.340	M6-male	413

**Item no. 132.20x5.009.\*** Material NBR (sw), BR-AS (sw), SI (tr) 0.9 mm

Spare cup

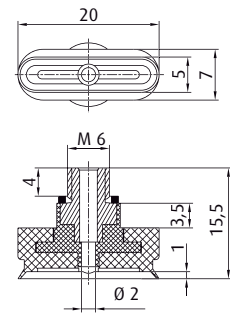
Spare cup



		see page
50.152	10 mm	444
50.153	20 mm	444

**Item no. 130.20x5.119.\*** Material NBR (sw), SI (tr), BR-AS (sw) 0.9 mm

Additional sizes available are found on p. 152.



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

**Item no. 130.20x5.081.\*** Material NBR (sw), BR-AS (sw), SI (tr) 0.9 mm

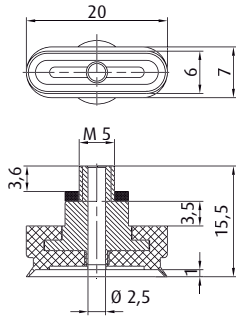
Additional sizes available are found on p. 152.

\* 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 | Oval vacuum cups by size

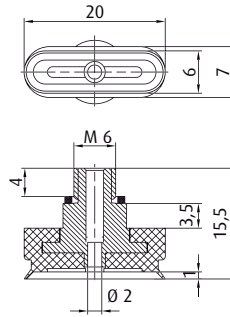
20x6 mm - 20x8 mm



		see page
50.152	10 mm	444
50.153	20 mm	444

**Item no.** 130.20x6.120.\_\* **Material** NBR (sw), SI (tr), BR-AS (sw) **0.9 mm**

Additional sizes available are found on p. 152.



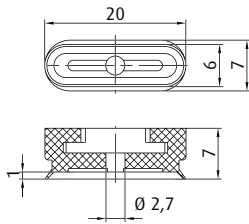
		see page
50.095	20 mm	456
50.096	30 mm	456
50.097	40 mm	456
50.098	50 mm	456

**Item no.** 130.20x6.074.\_\* **Material** NBR (sw), BR-AS (sw), SI (tr) **0.9 mm**

Additional sizes available are found on p. 152.

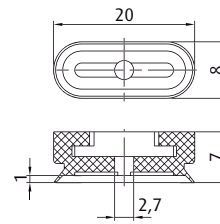
Spare cup

Spare cup



	Connection	see page
270.464	M5-male	412
270.340	M6-male	413

**Item no.** 132.20x6.013.\_\* **Material** NBR (sw), BR-AS (sw), SI (tr) **0.9 mm**

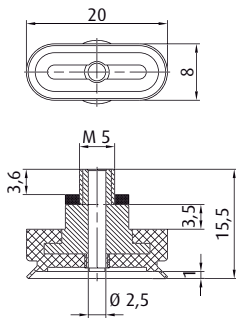


	Connection	see page
270.464	M5-male	412
270.340	M6-male	413

**Item no.** 132.20x8.015.\_\* **Material** NBR (sw), BR-AS (sw), SI (tr) **0.9 mm**

Spare cup

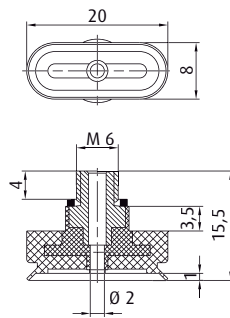
Spare cup



		see page
50.152	10 mm	444
50.153	20 mm	444

**Item no.** 130.20x8.121.\_\* **Material** NBR (sw), SI (tr), BR-AS (sw) **0.9 mm**

Additional sizes available are found on p. 152.



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

**Item no.** 130.20x8.076.\_\* **Material** NBR (sw), BR-AS (sw), SI (tr) **0.9 mm**

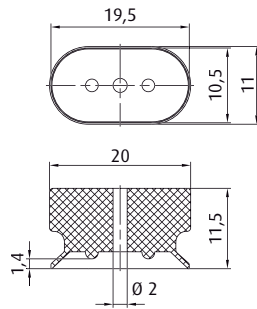
Additional sizes available are found on p. 152.

\* 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



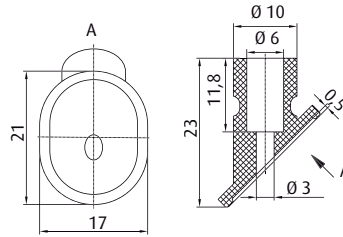
# Vacuum cups by size | Oval vacuum cups by size

20x11 mm - 24x8 mm



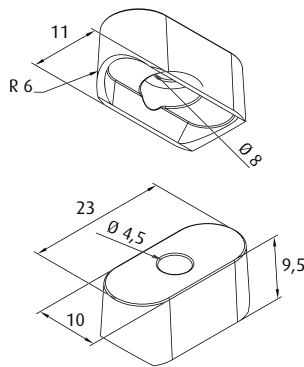
Connection	see page
<b>270.022</b> M5-male	409

**Item no.** 132.20x11.077.\* **Material** SI (tr) **0 mm**



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

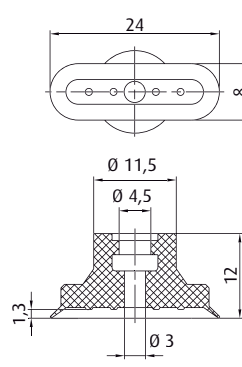
**Item no.** 132.21x17.047.\* **Material** NR (sw) **0 mm**



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

**Item no.** 9.23x11.036.\* **Material** SI (tr) **0 mm**

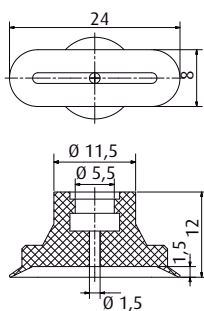
Additional sizes available are found on p. 154.  
**Notes:** Suitable for cylindrical products diam. 10-18 mm



Connection	see page
<b>270.094</b> M5-male	411
<b>270.005</b> M5-female	412
<b>270.095</b> G1/8-male	418
<b>270.096</b> G1/8-female	422

**Item no.** 132.24x8.016.\* **Material** NBR (gr), SI (tr), NR (bg), PU (bl) **1 mm**

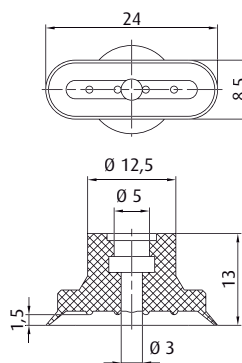
Additional sizes available are found on p. 141.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.



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

**Item no.** 132.24x8.083.\* **Material** Thermalon® (bl) **1 mm**

Additional sizes available are found on p. 144.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.



Connection	see page
<b>270.431</b> G1/8-male	418

**Item no.** 132.24x8.066.\* **Material** HNBR (ge) **1 mm**

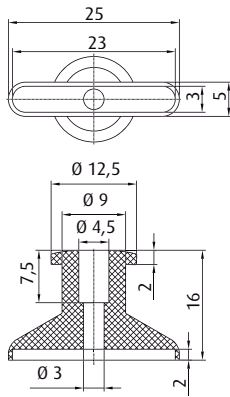
Additional sizes available are found on p. 146.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.

\* 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



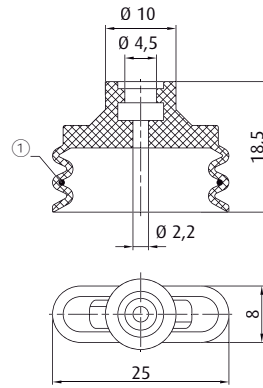
# Vacuum cups by size | Oval vacuum cups by size

25x5 mm - 30x5 mm



Item no.	Connection	see page
270.013	M5-male	410
270.005	M5-female	412
270.103	M6-male	413
270.003	G1/8-male	416
270.015	G1/8-female	421
270.194	G1/4-male	425

**Item no.** 132.25x5.045.\* **Material** Vinyl (bl) 0 mm



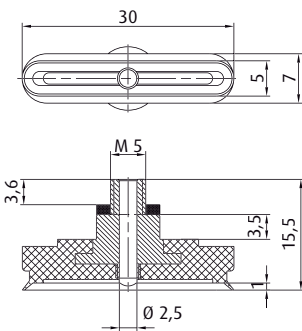
Item no.	Connection	see page
270.094	M5-male	411
270.005	M5-female	412
270.095	G1/8-male	418
270.096	G1/8-female	422

① = Wire strap stiffening

**BESTSELLER**

**Item no.** 138.25x8.002.\* **Material** NBR (gr), SI (tr) 6 mm

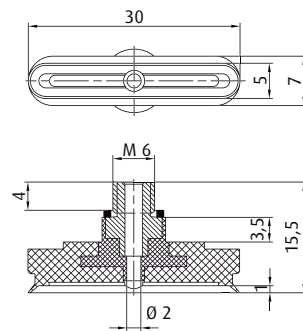
Additional sizes available are found on p. 148.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.



Item no.	Connection	see page
50.152	10 mm	444
50.153	20 mm	444

**Item no.** 130.30x5.123.\* **Material** NBR (sw), SI (tr), BR-AS (sw) 0.9 mm

Additional sizes available are found on p. 152.



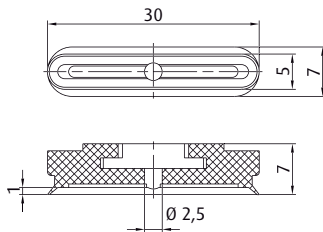
Item no.	Connection	see page
50.095	20 mm	456
50.096	30 mm	456
50.097	40 mm	456
50.098	50 mm	456

**Item no.** 130.30x5.072.\* **Material** NBR (sw), BR-AS (sw), SI (tr) 0.9 mm

Additional sizes available are found on p. 152.

Spare cup

Spare cup



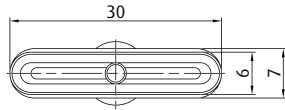
Item no.	Connection	see page
270.464	M5-male	412
270.340	M6-male	413

**Item no.** 132.30x5.010.\* **Material** NBR (sw), BR-AS (sw), SI (tr) 0.9 mm

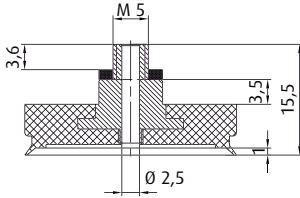
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

# Vacuum cups by size | Oval vacuum cups by size

30x6 mm - 30x8 mm

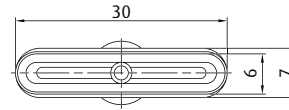


		see page
50.152	10 mm	444
50.153	20 mm	444

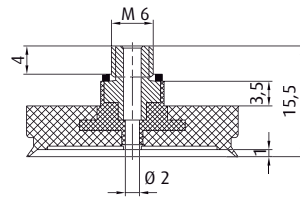


**Item no.** 130.30x6.124.\_\* **Material** NBR (sw), SI (tr), BR-AS (sw) 0.9 mm

Additional sizes available are found on p. 152.

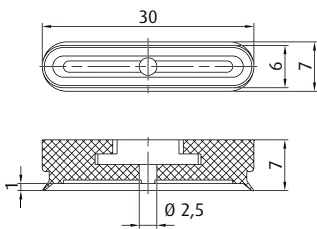


		see page
50.095	20 mm	456
50.096	30 mm	456
50.097	40 mm	456
50.098	50 mm	456

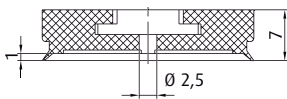


**Item no.** 130.30x6.075.\_\* **Material** NBR (sw), BR-AS (sw), SI (tr) 0.9 mm

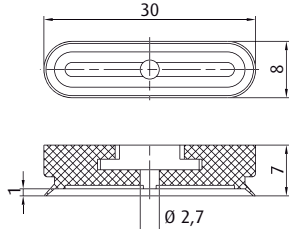
Additional sizes available are found on p. 152.



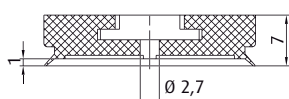
	Connection	see page
270.464	M5-male	412
270.340	M6-male	413



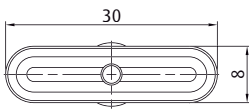
**Item no.** 132.30x6.014.\_\* **Material** NBR (sw), BR-AS (sw), SI (tr) 0.9 mm



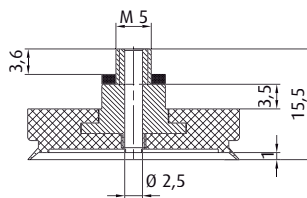
	Connection	see page
270.464	M5-male	412
270.340	M6-male	413



**Item no.** 132.30x8.017.\_\* **Material** NBR (sw), BR-AS (sw), SI (tr) 0.9 mm



		see page
50.152	10 mm	444
50.153	20 mm	444

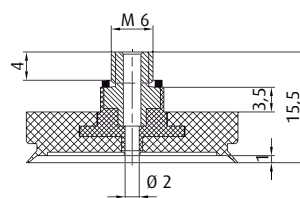


**Item no.** 130.30x8.125.\_\* **Material** NBR (sw), SI (tr), BR-AS (sw) 0.9 mm

Additional sizes available are found on p. 152.



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



**Item no.** 130.30x8.077.\_\* **Material** NBR (sw), BR-AS (sw), SI (tr) 0.9 mm

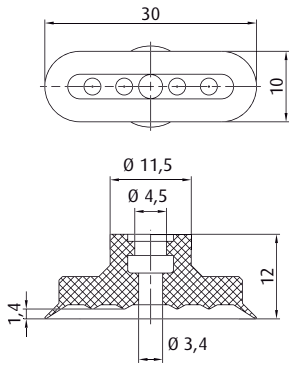
Additional sizes available are found on p. 152.

\* 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 | Oval vacuum cups by size

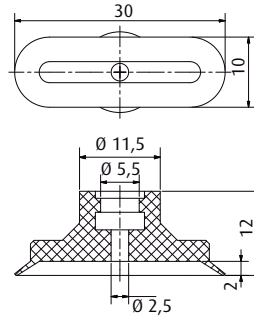
30x10 mm - 36x12 mm



	Connection	see page
270.094	M5-male	411
270.095	M5-female	412
270.095	G1/8-male	418
270.096	G1/8-female	422

**Item no.** 132.30x10.018\_\*  
**Material** NBR (gr), SI (tr), PU (bl)  
 2 mm

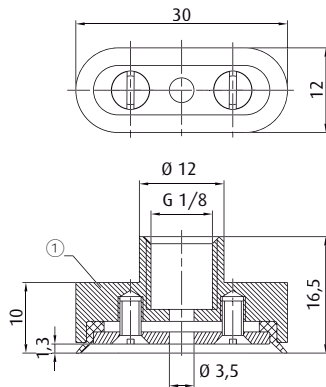
Additional sizes available are found on p. 141.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.



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

**Item no.** 132.30x10.084\_\*  
**Material** Thermalon® (bl)  
 1 mm

Additional sizes available are found on p. 144.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.

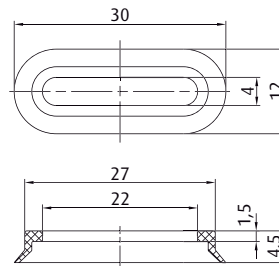


① = Aluminium

**Item no.** 132.30x12.057\_\*  
**Material** SI (tr), NR (sw)  
 1 mm

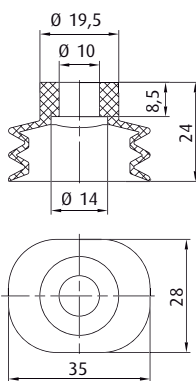
Additional sizes available are found on p. 157.

Spare cup



	Connection	see page
270.439	G1/8-female	424

**Item no.** 132.30x12.025\_\*  
**Material** SI (tr), NR (sw)  
 1 mm

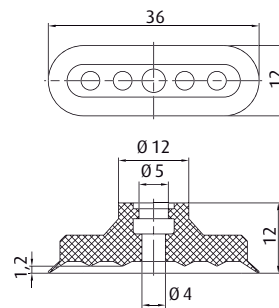


	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

**BESTSELLER**

**Item no.** 132.35x28.001\_\*  
**Material** Vinyl (bl)  
 9 mm

Additional sizes available are found on p. 149.

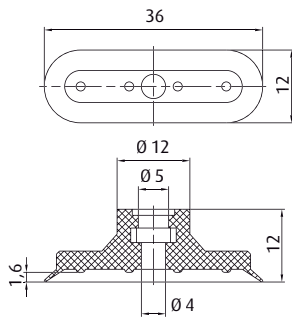


	Connection	see page
270.094	M5-male	411
270.095	M5-female	412
270.095	G1/8-male	418
270.096	G1/8-female	422

**Item no.** 132.36x12.019\_\*  
**Material** NBR (gr), SI (tr), PU (bl)  
 2 mm

Additional sizes available are found on p. 141.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.

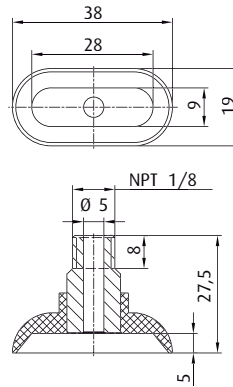
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
 Average holding forces for Vacuum cups you will find on page 760



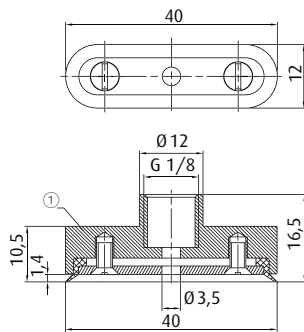
Item no.	Connection	see page
270.431	G1/8-male	418

**Item no. 132.36X12.068.\*** Material HNBR (ge) 2 mm

Additional sizes available are found on p. 146.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.



**Item no. 130.38x19.085.\*** Material Vinyl (bl) 0 mm

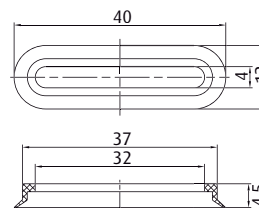


① = Aluminium

**Item no. 130.40x12.058.\*** Material SI (tr), NR (sw) 1 mm

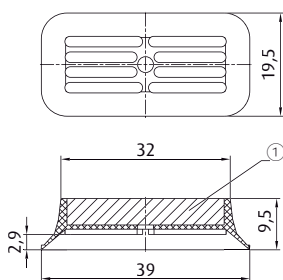
Additional sizes available are found on p. 157.

Spare cup



Item no.	Connection	see page
270.440	G1/8-female	424

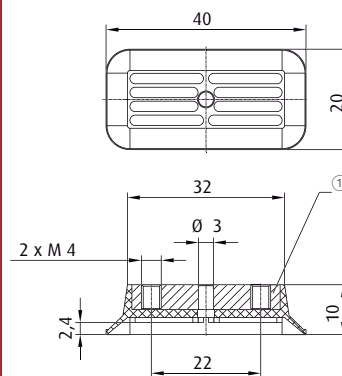
**Item no. 132.40x12.027.\*** Material SI (tr), NR (sw) 1 mm



① = Steel

**Item no. 9.40x20.041.\*** Material NBR (gr), SI (tr), PU (bg) 2 mm

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



① = Steel

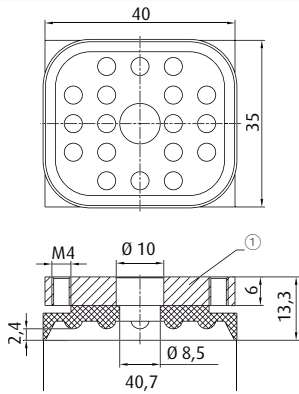
**Item no. 9.40x20.057.\*** Material SI (tr) 2 mm

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



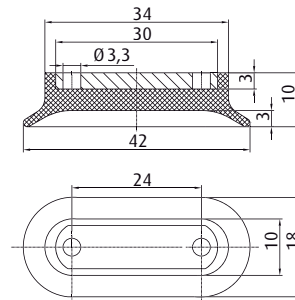
# Vacuum cups by size | Oval vacuum cups by size

40x35 mm - 45x15 mm

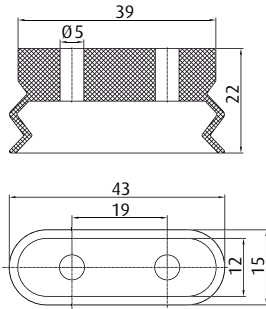


① = Steel

<b>Item no.</b> 155.40x35.004._*	<b>Material</b> NBR (gr)	2.5 mm
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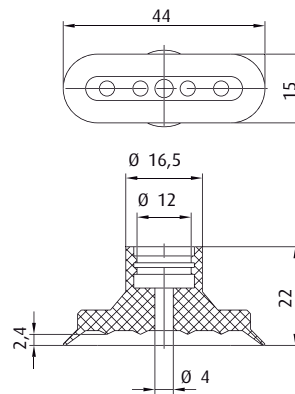


<b>Item no.</b> 130.42x18.037._*	<b>Material</b> SI (tr)	2.5 mm
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	<b>Connection</b>	<b>see page</b>
270.013	M5-male	410

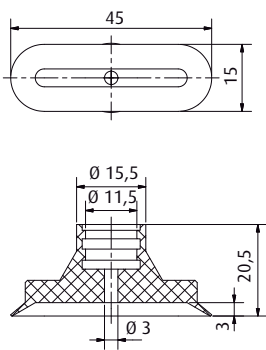
<b>Item no.</b> 138.43x15.001._*	<b>Material</b> Vinyl (bl)	8 mm
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	<b>Connection</b>	<b>see page</b>
270.097	G1/4-male	426
270.098	G1/4-female	432

<b>Item no.</b> 132.45x15.020._*	<b>Material</b> NBR (gr), SI (tr), PU (bl)	3 mm
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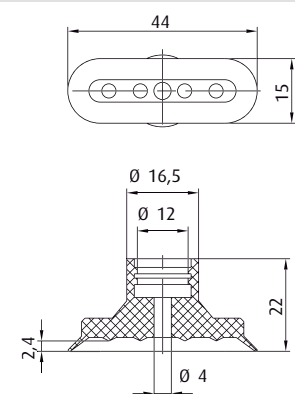
Additional sizes available are found on p. 141.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.



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

<b>Item no.</b> 132.45x15.085._*	<b>Material</b> Thermalon® (bl)	2 mm
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Additional sizes available are found on p. 144.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.



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

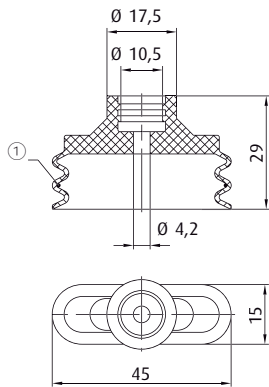
<b>Item no.</b> 132.45x15.064._*	<b>Material</b> HNBR (ge)	3 mm
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Additional sizes available are found on p. 146.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.

\* 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 | Oval vacuum cups by size

45x15 mm - 50x20 mm

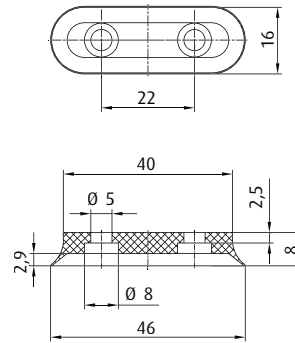


	Connection	see page
270.097	G1/4-male	426
270.098	G1/4-female	432

① = Wire strap stiffening

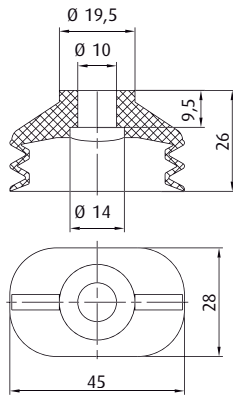
**Item no.** 138.45x15.003.\* **Material** NBR (gr), SI (tr) 8 mm

Additional sizes available are found on p. 148.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.



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

**Item no.** 9.45x15.038.\* **Material** NBR (sw), SI (tr) 3 mm

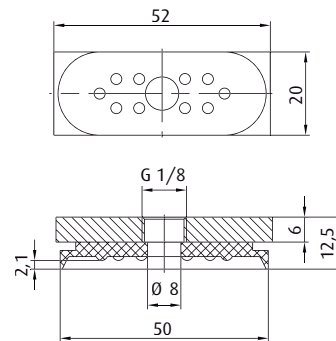


	Connection	see page
270.177	M10-male	416
270.451	G1/4-male	426
270.452	G1/4-female	431

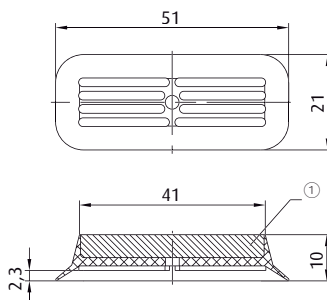
**BESTSELLER**

**Item no.** 138.45x28.013.\* **Material** Vinyl (bl) 9 mm

Additional sizes available are found on p. 149.



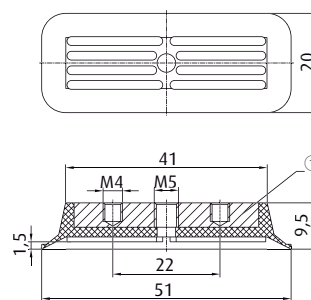
**Item no.** 130.50x20.102.\* **Material** NBR (gr) 3 mm



① = Steel

**Item no.** 9.50x20.001.\* **Material** NBR (gr), SI (tr) 2 mm

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



① = Aluminium

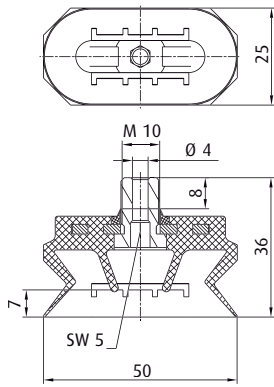
**Item no.** 9.50x20.034.\* **Material** NBR (gr), SI (tr) 2 mm

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

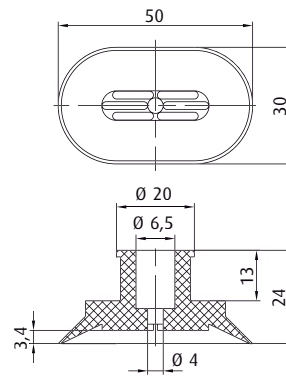


# Vacuum cups by size | Oval vacuum cups by size

50x25 mm - 60x20 mm

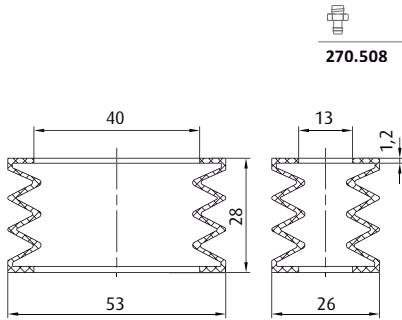


**Item no.** 130.50x25.094\_\* **Material** NBR (sw), SI (tr) 8 mm



**Item no.** 132.50x30.030\_\* **Material** NBR (gr), SBR (br) 5 mm

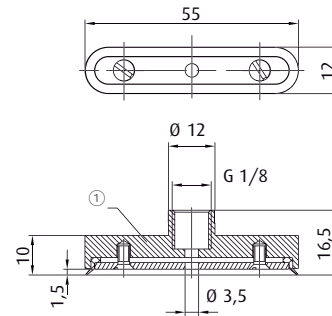
	Connection	see page
270.443	M5-male	410
270.238	G1/8-male	417
270.110	G1/8-female	422
270.534	G1/4-male	425



	Connection	see page
270.508	G1/8-female	439

**Item no.** 209.52x25.006\_\* **Material** SI (tr) 13 mm

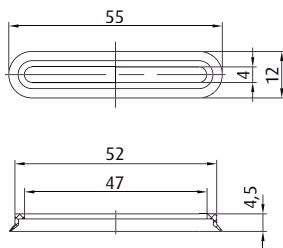
Additional sizes available are found on p. 150.  
**Ordering notes:** On request, available with wire reinforcement



① = Aluminium

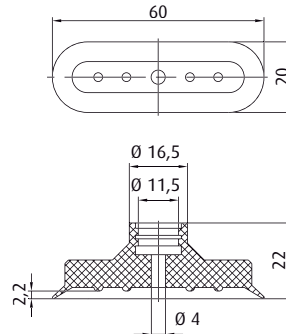
**Item no.** 130.55x12.082\_\* **Material** NBR (sw), SI (tr), NR (sw) 1 mm

Additional sizes available are found on p. 157.



	Connection	see page
270.441	G1/8-female	424

**Item no.** 132.55x12.029\_\* **Material** NBR (sw), SI (tr), NR (sw) 1 mm



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

**Item no.** 132.60x20.022\_\* **Material** NBR (gr), SI (tr), PU (bg) 3 mm

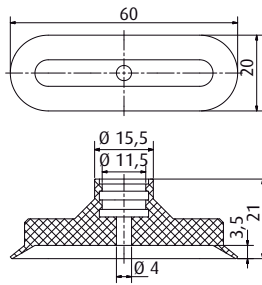
Additional sizes available are found on p. 141.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.

\* 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 | Oval vacuum cups by size

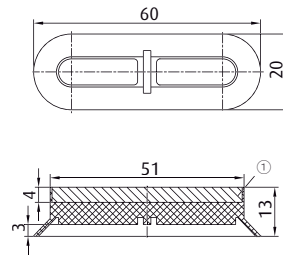
60x20 mm - 62x42 mm



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

**Item no.** 132.60x20.086.\* **Material** Thermalon® (bl) **Thickness** 2.5 mm

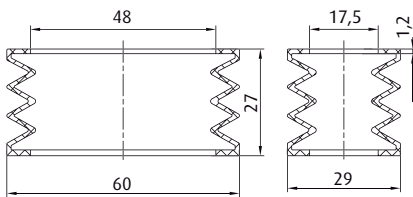
Additional sizes available are found on p. 144.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.



① = Steel

**Item no.** 9.60x20.003.\* **Material** SBR (sw), NR (bg) **Thickness** 4 mm

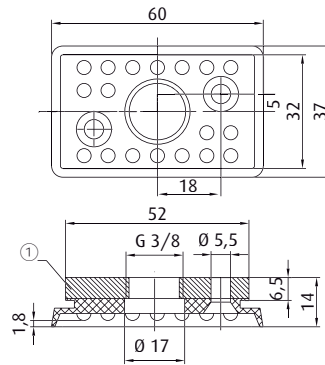
**Ordering notes:** Customised drilling patterns on request



	Connection	see page
270.509	G1/4-female	439

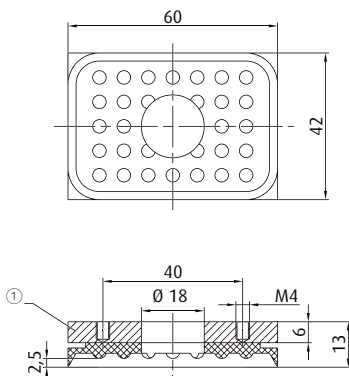
**Item no.** 209.60x29.001.\* **Material** NBR (sw), SI (tr) **Thickness** 13 mm

Additional sizes available are found on p. 150.  
**Ordering notes:** On request, available with wire reinforcement



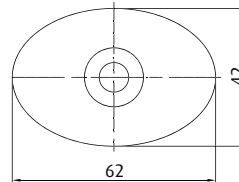
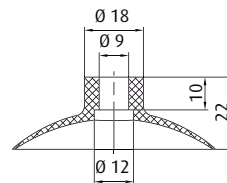
① = Aluminium

**Item no.** 130.60x38.091.\* **Material** NBR (gr) **Thickness** 2 mm



① = Steel

**Item no.** 155.60x42.005.\* **Material** NBR (gr) **Thickness** 2.5 mm



PERFECT FOR SOAPS

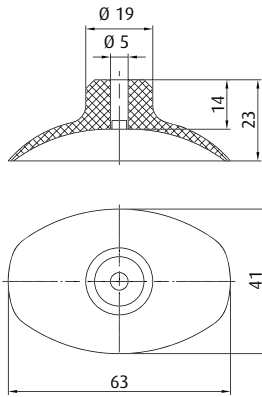
**Item no.** 130.62x42.111.\* **Material** Vulkollan® (br) **Thickness** 7 mm

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



# Vacuum cups by size | Oval vacuum cups by size

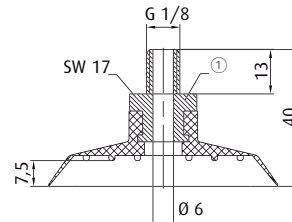
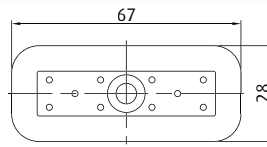
63x41 mm - 75x25 mm



	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

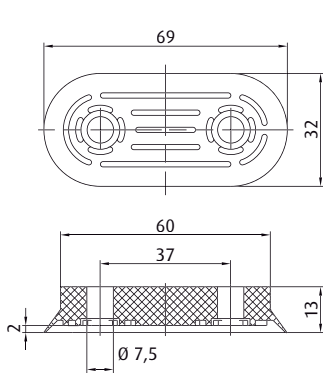
PERFECT FOR SOAPS

**Item no.** 132.60x42.052\_\* **Material** SI (g) 8 mm



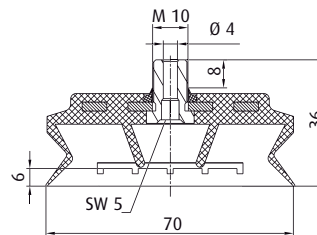
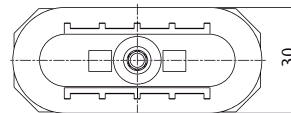
① = Aluminium

**Item no.** 130.67x28.104\_\* **Material** Vulkollan® (br) 7 mm

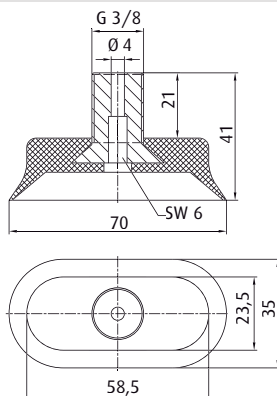


	Connection	see page
270.312/19	M6-male	414
270.030	G1/8-male	419
270.019	G1/8-female	423

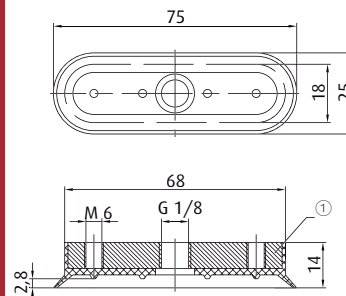
**Item no.** 132.69x32.060\_\* **Material** NR (bg) 2 mm



**Item no.** 130.70x30.095\_\* **Material** NBR (sw) 8 mm



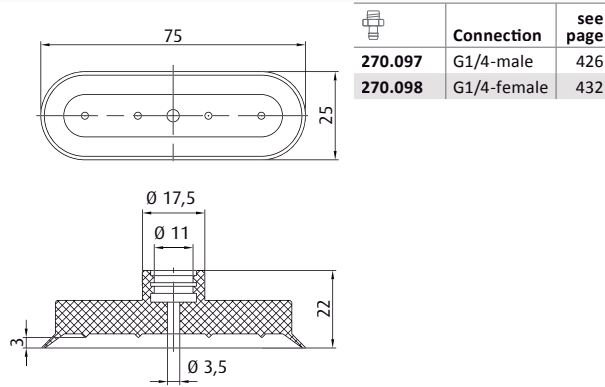
**Item no.** 130.70x35.089\_\* **Material** NR (sw) 6 mm



① = Aluminium

**Item no.** 130.75x25.080\_\* **Material** NBR (sw), SI (r) 3 mm

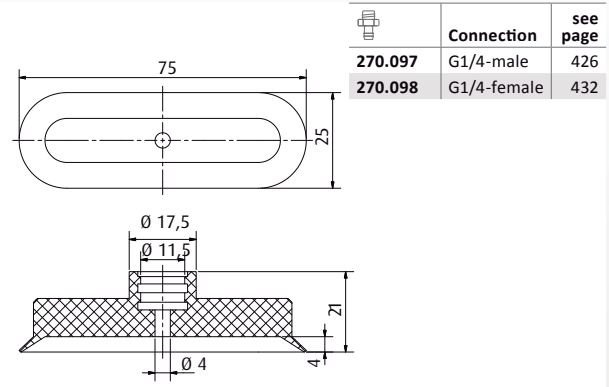
\* When ordering please add the appropriate material code to item no. You will find it in the foldout. Average holding forces for Vacuum cups you will find on page 760



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

**Item no.** 132.75x25.023.\* **Material** NBR (gr), SI (tr) 3 mm

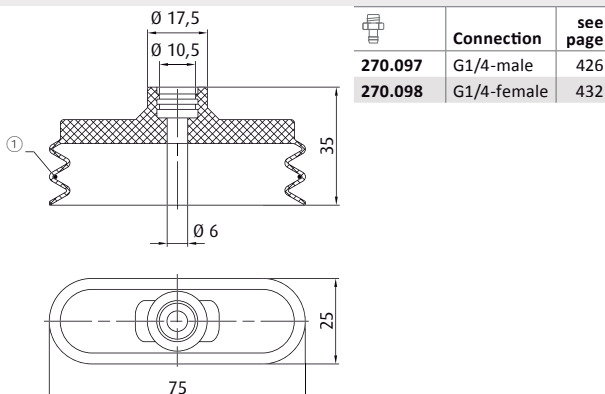
Additional sizes available are found on p. 141.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.



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

**Item no.** 132.75x25.087.\* **Material** Thermalon® (bl) 2.5 mm

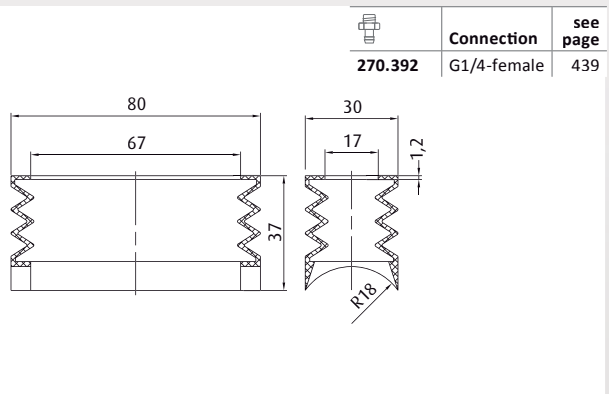
Additional sizes available are found on p. 144.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.



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

**Item no.** 138.75x25.004.\* **Material** NBR (gr), SI (tr) 11 mm

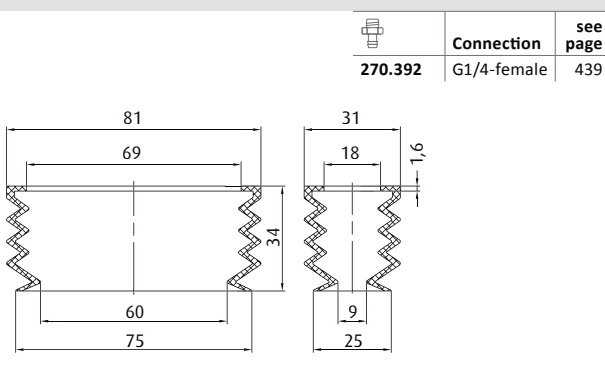
Additional sizes available are found on p. 148.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.



	Connection	see page
270.392	G1/4-female	439

**Item no.** 201.79x29.002.\* **Material** SI (tr) 16 mm

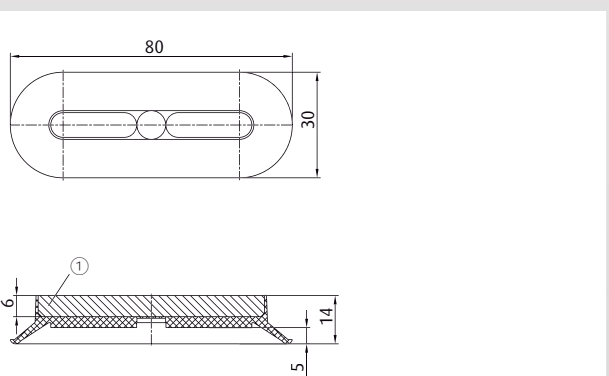
Additional sizes available are found on p. 150.  
**Ordering notes:** On request, available with wire reinforcement



	Connection	see page
270.392	G1/4-female	439

**Item no.** 209.80x30.003.\* **Material** SI (tr) 20 mm

Additional sizes available are found on p. 150.  
**Ordering notes:** On request, available with wire reinforcement



**Item no.** 9.80x30.004.\* **Material** NR (br) 5 mm

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

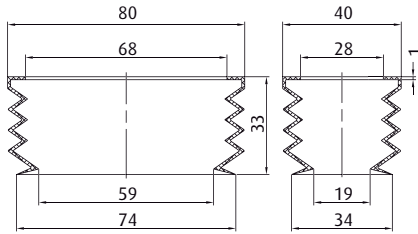
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
 Average holding forces for Vacuum cups you will find on page 760



# Vacuum cups by size | Oval vacuum cups by size

85x55 mm - 96x27 mm

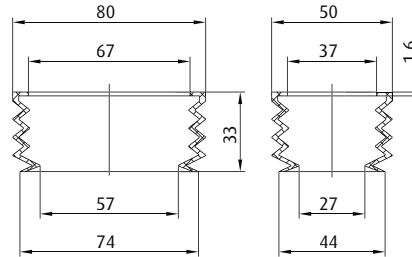
Connection	see page
G1/4-female	439



**Item no.** 209.80x40.004\_\* **Material** SI (tr) 20 mm

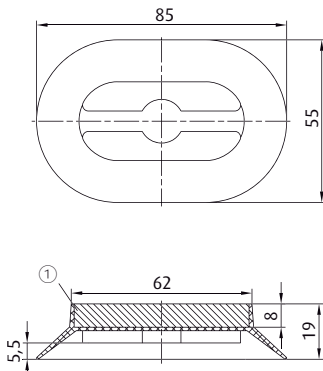
Additional sizes available are found on p. 150.  
**Ordering notes:** On request, available with wire reinforcement

Connection	see page
G1/4-female	439



**Item no.** 209.80x50.005\_\* **Material** SI (tr) 20 mm

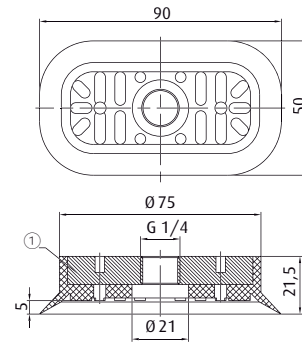
Additional sizes available are found on p. 150.  
**Ordering notes:** On request, available with wire reinforcement



① = Aluminium

**Item no.** 9.85x55.006\_\* **Material** NBR (gr), NR (bg) 7 mm

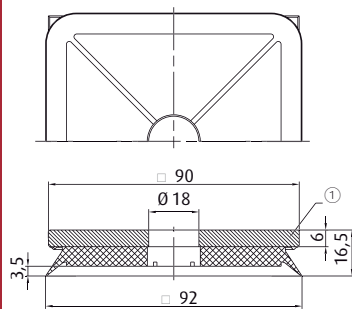
**Ordering notes:** Customised drilling patterns on request



① = Aluminium

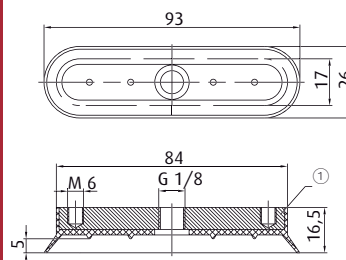
**Item no.** 130.90x50.113\_\* **Material** NR (bg) 5 mm

Additional sizes available are found on p. 158.



① = Steel

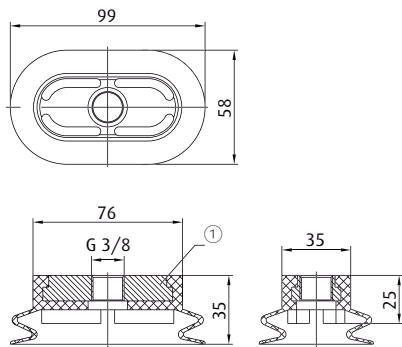
**Item no.** 130.92x92.006\_\* **Material** NBR (gr) 3 mm



① = Aluminium

**Item no.** 130.96x27.036\_\* **Material** SI (r) 6 mm

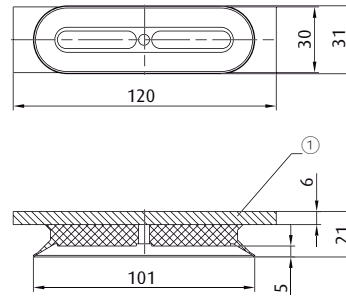
\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
 Average holding forces for Vacuum cups you will find on page 760



① = Aluminium

**Item no.** 130.97x55.126.\* **Material** Vinyl (bl) 11 mm

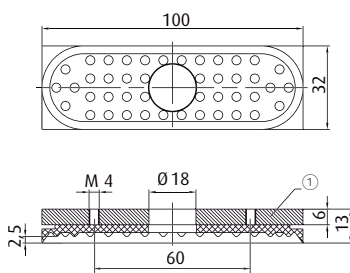
Additional sizes available are found on p. 149.



① = Steel

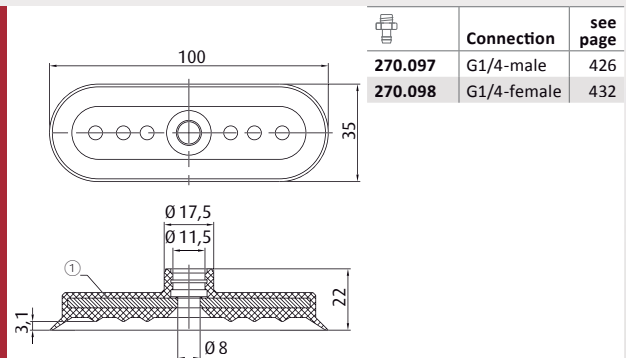
**Item no.** 9.100x30.007.\* **Material** NBR (gr), SBR (br) 5 mm

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



① = Aluminium

**Item no.** 130.100x32.067.\* **Material** NBR (gr) 2.5 mm

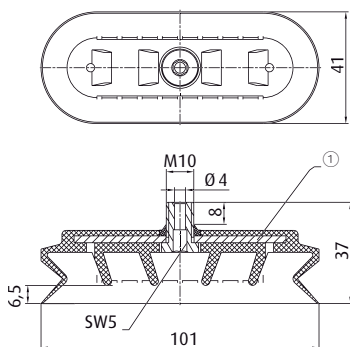


① = Aluminium

**Item no.** 132.100x35.26.\* **Material** NBR (sw) 3 mm

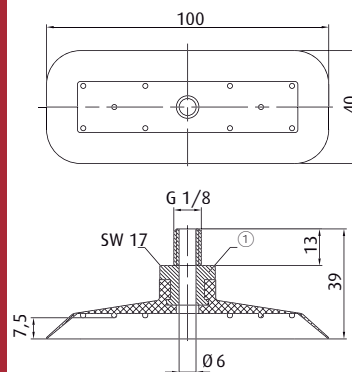
Additional sizes available are found on p. 141.  
**Ordering notes:** Use of a gripper clamp (available separately) recommended.

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



① = Steel

**Item no.** 130.100x40.096.\* **Material** NBR (sw), SI (tr) 8 mm



① = Aluminium

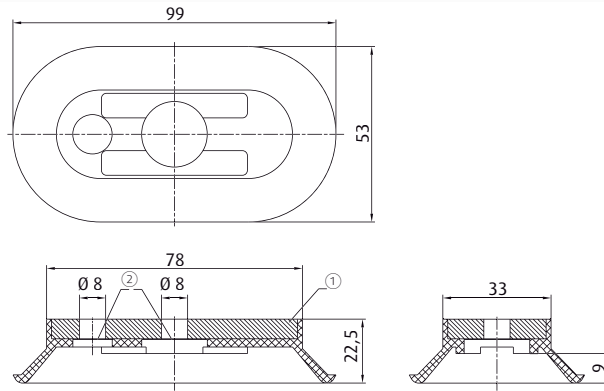
**Item no.** 130.100x40.105.\* **Material** Vulkollan® (br) 7 mm

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



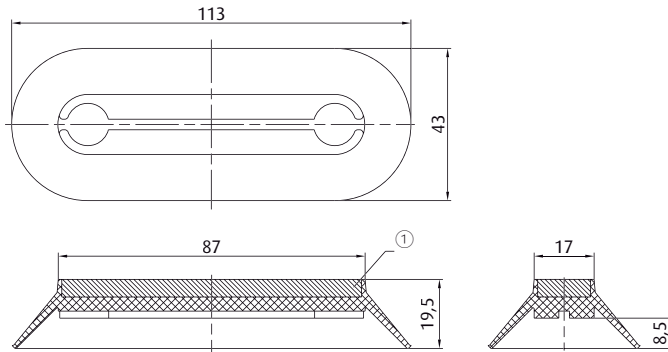
# Vacuum cups by size | Oval vacuum cups by size

100x55 mm - 120x30 mm



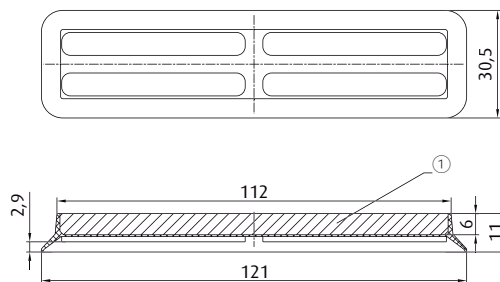
① = Aluminium ② = Sealed with rubber

<b>Item no.</b> 9.100x55.020._*	<b>Material</b> NR (or)	8 mm	Additional sizes available are found on p. 160.
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① = Steel

<b>Item no.</b> 9.110x40.009._*	<b>Material</b> NBR (gr), NR (br)	9 mm	Additional sizes available are found on p. 160. <b>Ordering notes:</b> Version with aluminium carrier: 9.110x40.011._
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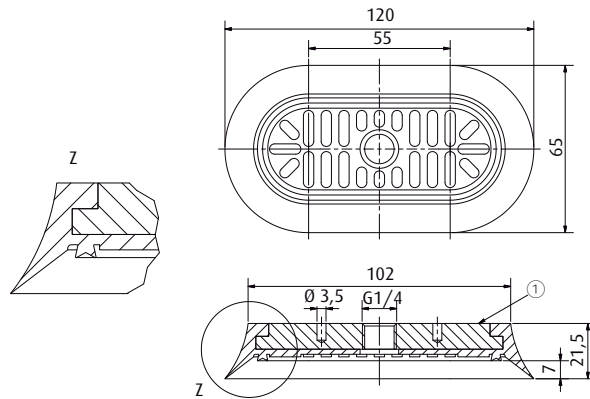
① = Steel

<b>Item no.</b> 9.120x30.062._*	<b>Material</b> NBR (gr)	3 mm	<b>Ordering notes:</b> Customised drilling patterns on request
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760

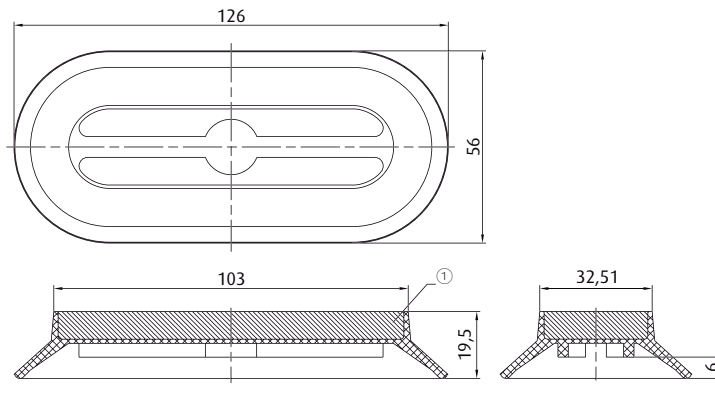
# Vacuum cups by size | Oval vacuum cups by size

120x65 mm - 135x75 mm



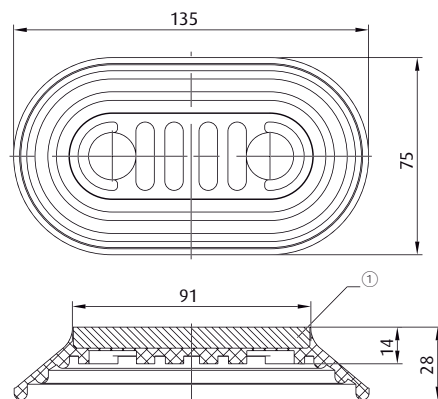
① = Aluminium

<b>Item no.</b> 9.120x65.088. * *	<b>Material</b> NR (bg)	7 mm	Additional sizes available are found on p. 158.
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① = Steel

<b>Item no.</b> 9.125x55.012. * *	<b>Material</b> NBR (gr), SBR (br), NR (br)	9 mm	Additional sizes available are found on p. 160. <b>Ordering notes:</b> Customised drilling patterns on request
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① = Steel

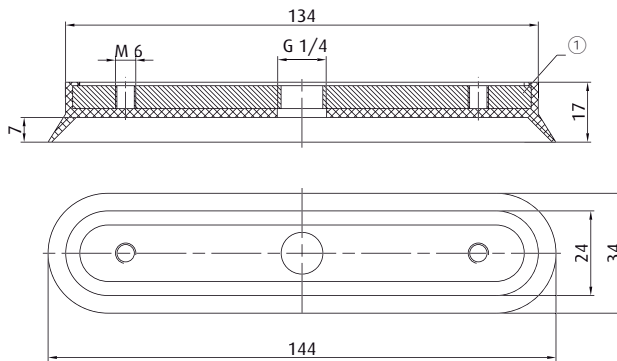
<b>Item no.</b> 9.135x75.066. * *	<b>Material</b> SBR (sw)	12 mm	<b>Ordering notes:</b> Customised drilling patterns on request <b>Notes:</b> Especially well-suited for rough surfaces
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



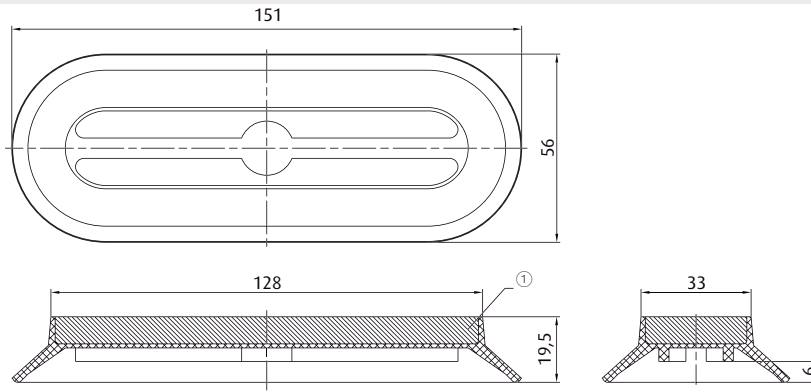
# Vacuum cups by size | Oval vacuum cups by size

145x34 mm - 150x55 mm



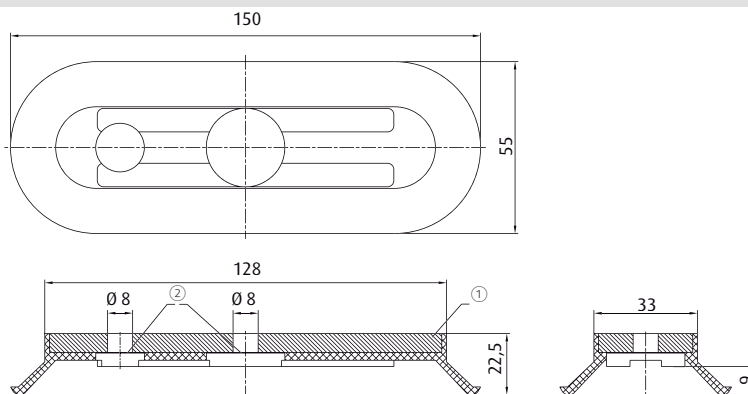
① = Aluminium

<b>Item no.</b> 130.145x34.55.*	<b>Material</b> NBR (sw), SI (r)	7 mm	
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① = Steel

<b>Item no.</b> 9.150x55.013.*	<b>Material</b> NBR (gr)	7 mm	Additional sizes available are found on p. 160. <b>Ordering notes:</b> Customised drilling patterns on request
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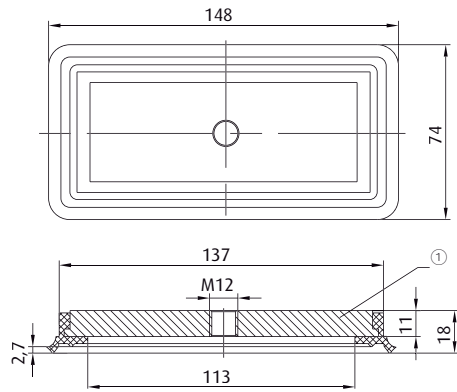


① = Aluminium ② = Sealed with rubber

<b>Item no.</b> 9.150x55.083.*	<b>Material</b> NR (or)	8 mm	Additional sizes available are found on p. 160.
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\* When ordering please add the appropriate material code to item no. You will find it in the foldout.  
Average holding forces for Vacuum cups you will find on page 760



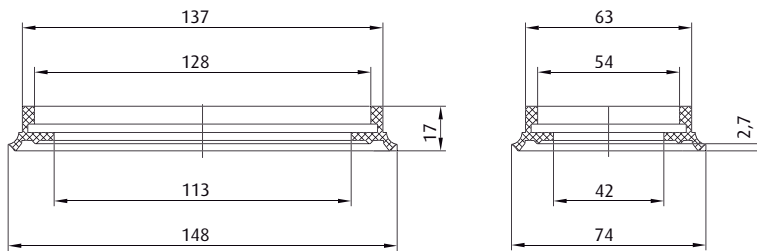


① = Aluminium

**Item no.**  
155.150x75.3.\_\*

**Material**  
NBR (sw)

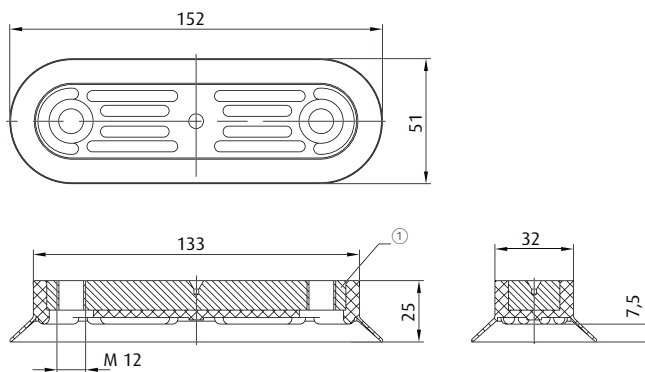
1.5 mm



**Item no.**  
216.150x75.3.\_\*

**Material**  
NBR (sw)

1.5 mm



① = Aluminium

**Item no.**  
130.152x51.092.\_\*

**Material**  
Vinyl (bl)

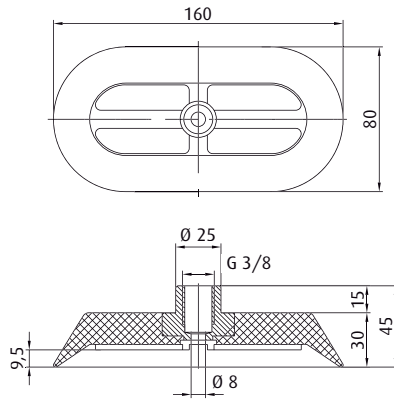
7 mm

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



# Vacuum cups by size | Oval vacuum cups by size

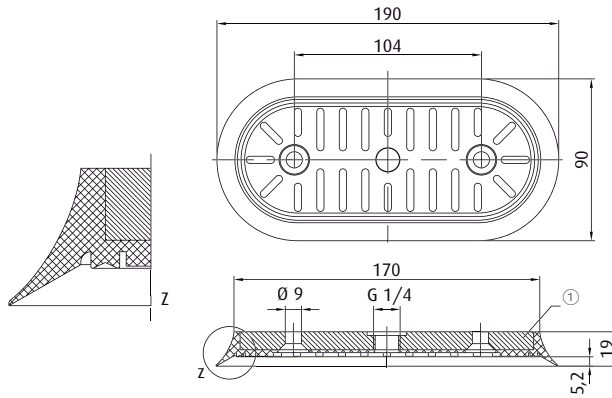
160x80 mm - 190x90 mm



**Item no.**  
9.160x80.075.\_\*

**Material**  
SBR (sw)

9 mm



① = Aluminium

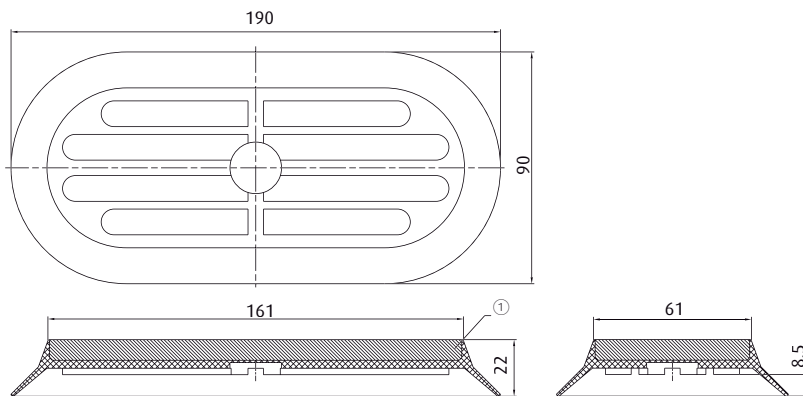
**BESTSELLER**

**Item no.**  
9.190x90.061.\_\*

**Material**  
NR (bg)

5.5 mm

Additional sizes available are found on p. 158.



① = Steel

**Item no.**  
9.200x100.015.\_\*

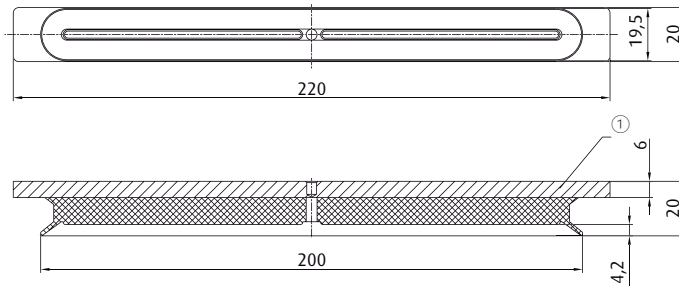
**Material**  
NBR (gr), SBR (sw), NR (br)

8 mm

Additional sizes available are found on p. 160.

**Ordering notes:** Version with aluminium carrier: 9.200x100.054.\_

\* 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



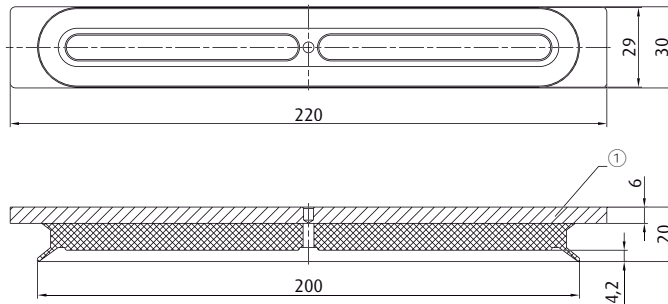
① = Steel

**Item no.**  
9.200x20.063.\_\*

**Material**  
NBR (gr)



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



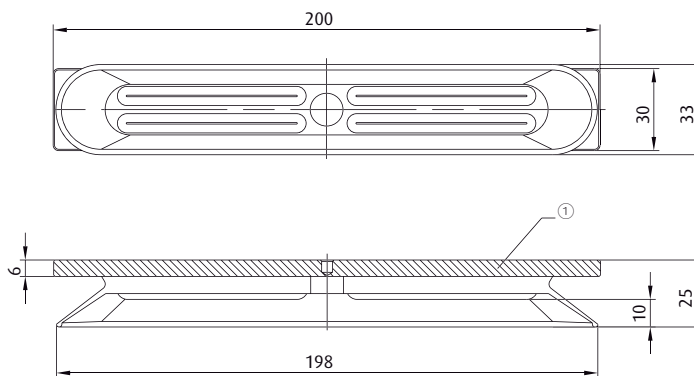
① = Steel

**Item no.**  
9.200x30.031.\_\*

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



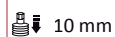
**Ordering notes:** Customised drilling patterns on request



① = Steel

**Item no.**  
9.200x35.065.\_\*

**Material**  
NBR (gr), PU (bg)



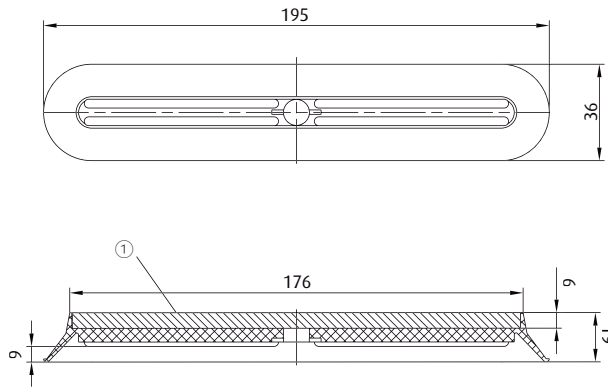
**Ordering notes:** Customised drilling patterns on request

\* 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 | Oval vacuum cups by size

200x40 mm - 200x55 mm



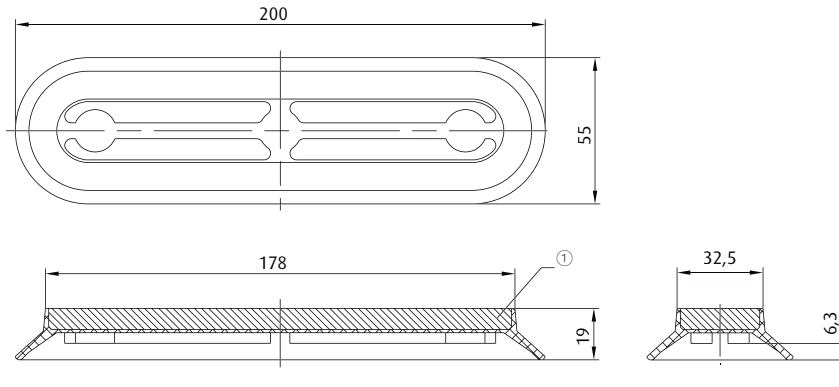
① = Steel

**Item no.**  
9.200x40.010.\*

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

9 mm

Additional sizes available are found on p. 160.  
**Ordering notes:** Version with aluminium carrier: 9.200x40.030.\* on request customised drilling patterns available



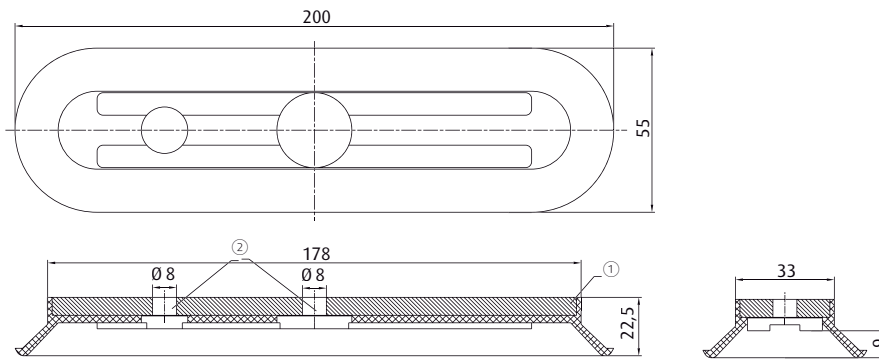
① = Steel

**Item no.**  
9.200x55.014.\*

**Material**  
NBR (gr)

7 mm

Additional sizes available are found on p. 160.  
**Ordering notes:** Customised drilling patterns on request



① = Aluminium ② = Sealed with rubber

**Item no.**  
9.200x55.020.\*

**Material**  
NR (or)

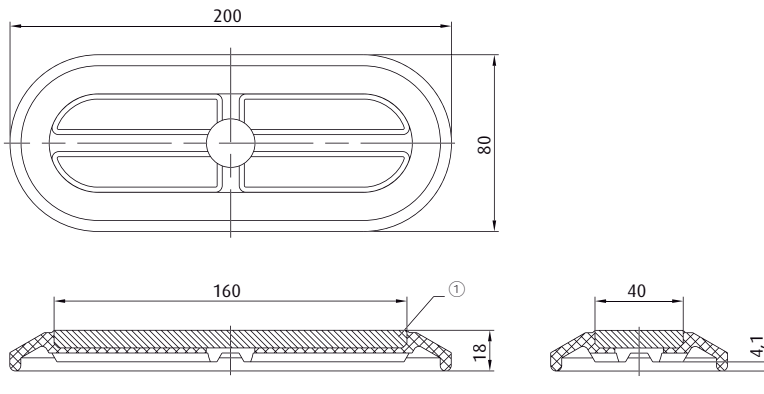
8 mm

Additional sizes available are found on p. 160.

\* 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 | Oval vacuum cups by size

200x80 mm - 204x76 mm



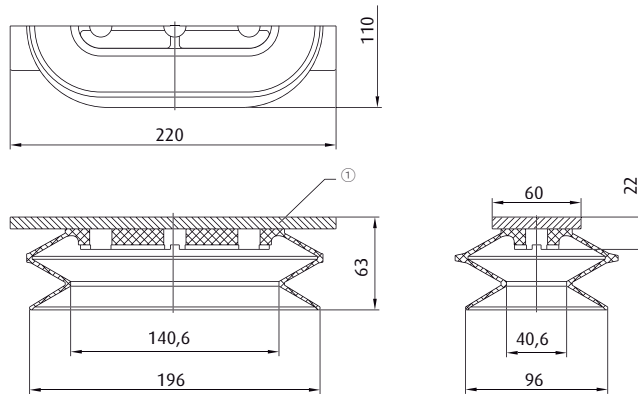
① = Steel

**Item no.**  
9.200x80.067.\_\*

**Material**  
SBR (sw)

4 mm

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



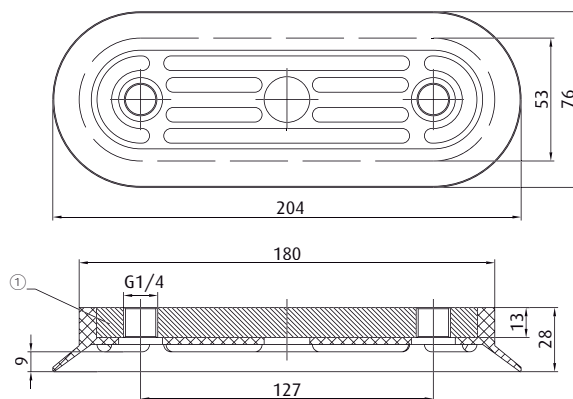
① = Aluminium

**Item no.**  
138.200x100.005.\_\*

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

41 mm

**Ordering notes:** With steel wire reinforcement in the fold:  
138.200x100.006.\_\* Customised drilling patterns on request



① = Aluminium

**Item no.**  
130.204x76.86.\_\*

**Material**  
Vinyl (bl)

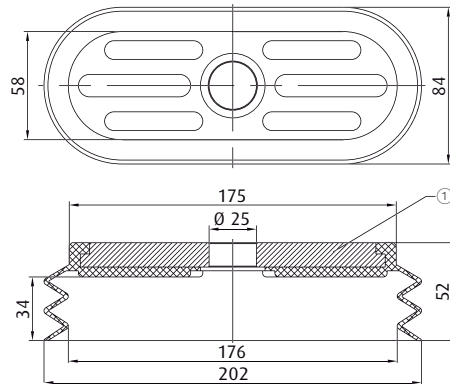
8 mm

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



# Vacuum cups by size | Oval vacuum cups by size

205x82 mm - 250x80 mm

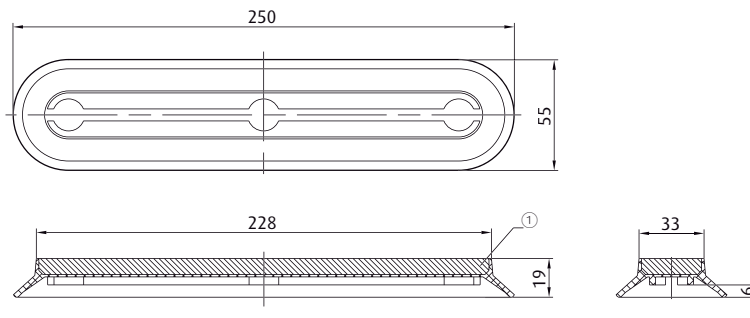


① = Aluminium

**Item no.**  
137.205x82.1. \*\_

**Material**  
Vinyl (bl)

25 mm



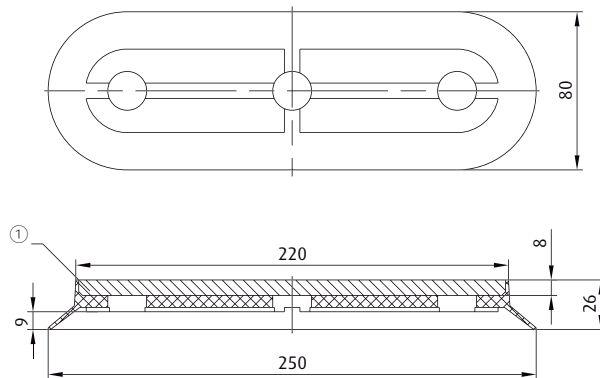
① = Steel

**Item no.**  
9.250x55.016. \*\_

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

8 mm

Additional sizes available are found on p. 160.  
**Ordering notes:** Customised drilling patterns on request



① = Steel

**Item no.**  
9.250x80.033. \*\_

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

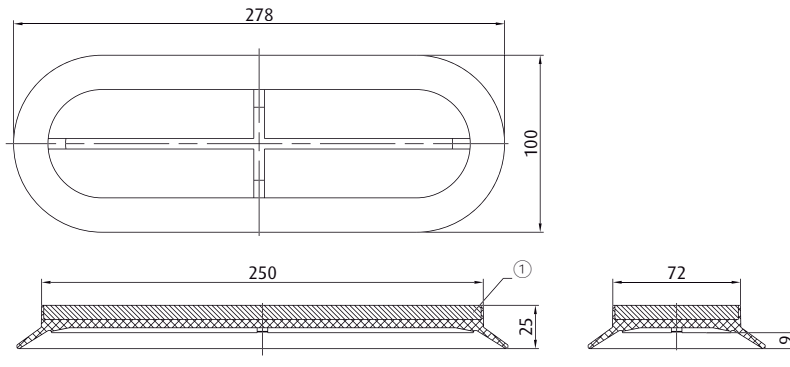
10 mm

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

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

# Vacuum cups by size | Oval vacuum cups by size

280x100 mm - 300x30 mm



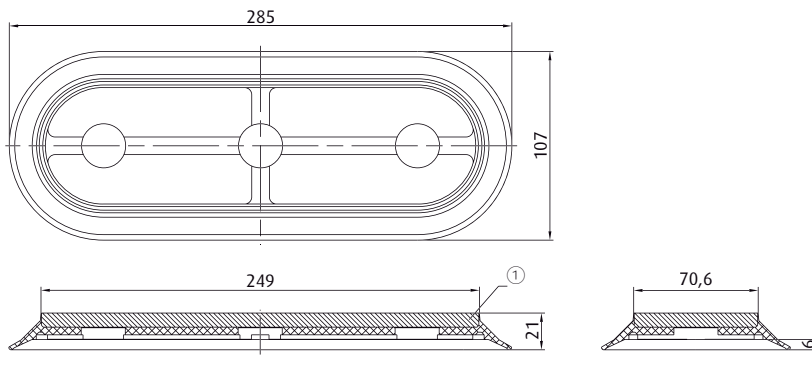
① = Steel

**Item no.**  
9.280x100.017.\_\*

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

10 mm

Additional sizes available are found on p. 160.  
**Ordering notes:** Version with aluminium carrier: 9.280x100.018.\_\*



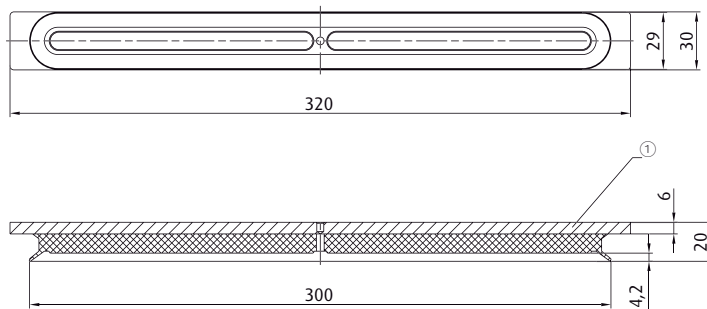
① = Steel

**Item no.**  
9.280x107.070.\_\*

**Material**  
SBR (br)

6 mm

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



① = Steel

**Item no.**  
9.300x30.069.\_\*

**Material**  
NBR (gr)

5 mm

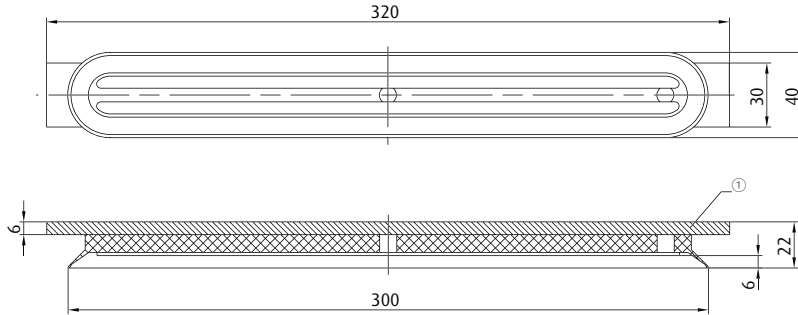
**Ordering notes:** Customised drilling patterns on request

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



# Vacuum cups by size | Oval vacuum cups by size

300x40 mm - 300x55 mm



① = Steel

**Item no.**  
9.300x40.064.\_\*

**Material**  
NBR (gr)

7 mm

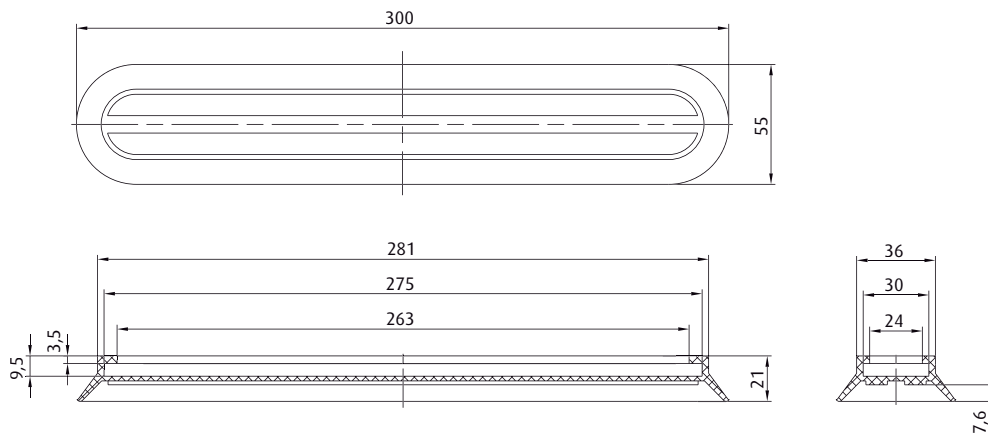
**Ordering notes:** Customised drilling patterns on request



270.332

**Connection**  
Without

**see page**  
438



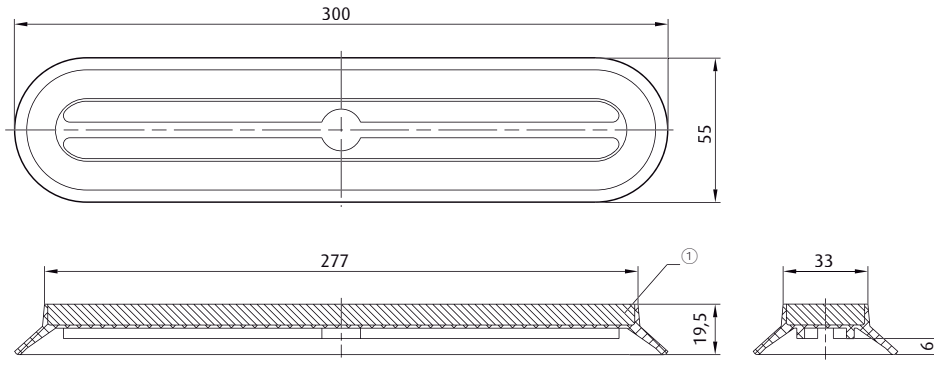
**Item no.**  
9.290x55.071.\_\*

**Material**  
NBR (gr)

7 mm

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





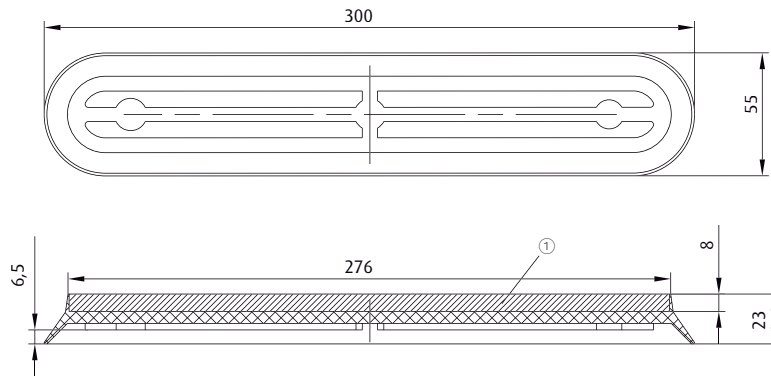
① = Steel

**Item no.**  
9.300x55.019.\_\*

**Material**  
NBR (gr)

8 mm

Additional sizes available are found on p. 160.  
**Ordering notes:** Customised drilling patterns on request



① = Aluminium

**Item no.**  
9.300x55.020.\_\*

**Material**  
NBR (gr)

8 mm

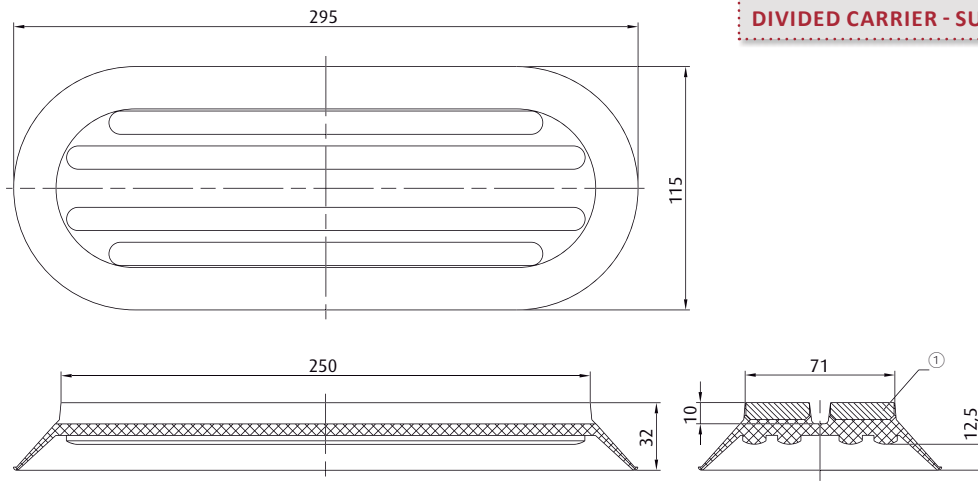
**Ordering notes:** Customised drilling patterns on request

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



# Vacuum cups by size | Oval vacuum cups by size

300x55 mm - 300x115 mm



**DIVIDED CARRIER - SUITABLE FOR PIPES**

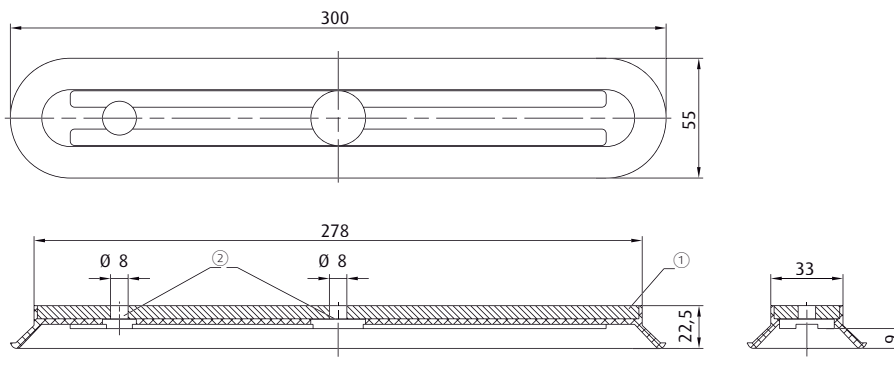
① = Steel beam divided (flexible)

**Item no.**  
9.300x115.068.\*

**Material**  
NBR (gr)

14 mm

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



① = Aluminium ② = Sealed with rubber

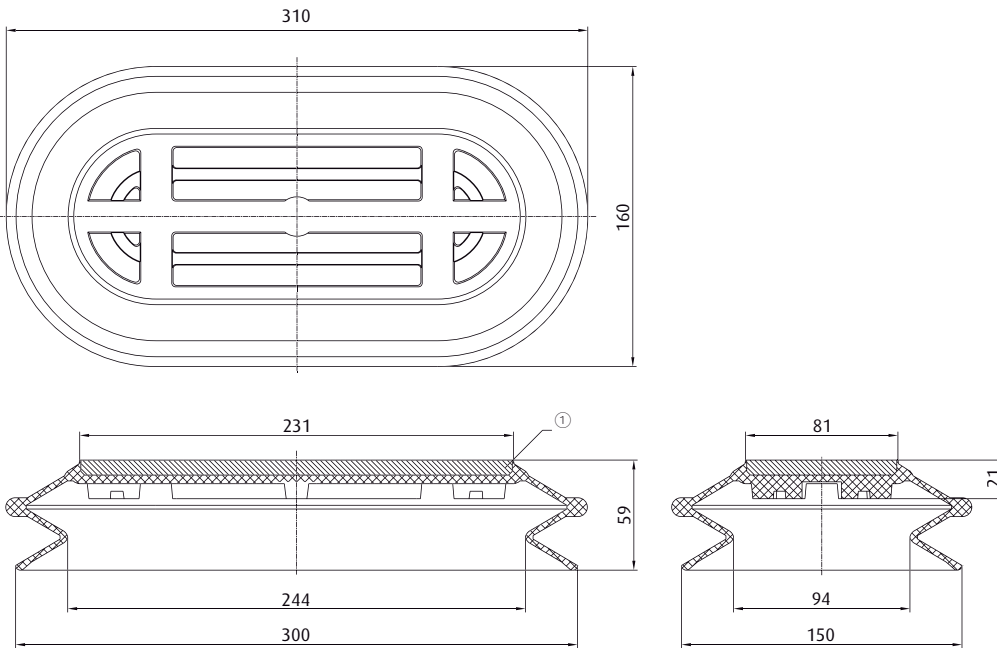
**Item no.**  
9.300x55.046.\*

**Material**  
NR (or)

8 mm

Additional sizes available are found on p. 160.

\* 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



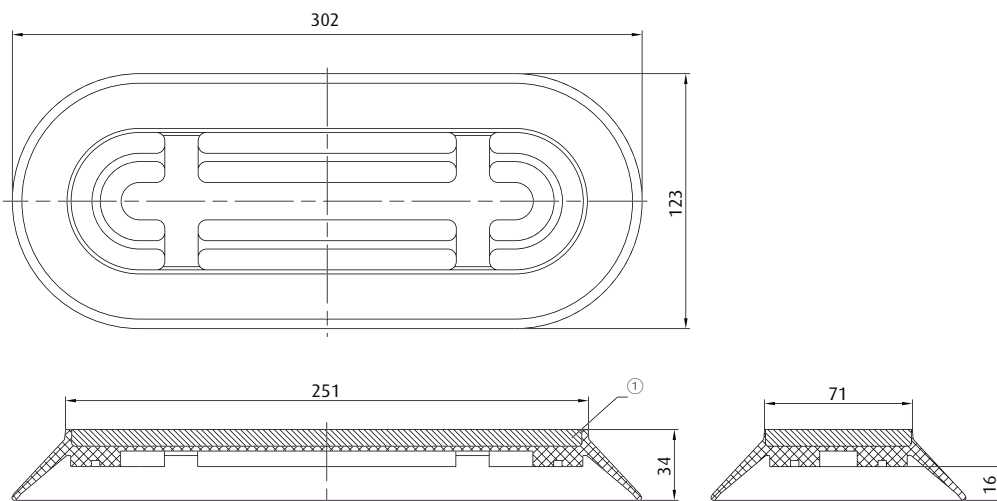
① = Steel

**Item no.**  
138.300x150.007.\_\*

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

39 mm

**Ordering notes:** With vulcanised metal reinforcement in the fold:  
138.300x150.008.\_\*



① = Steel

**Item no.**  
9.300x120.021.\_\*

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

17 mm

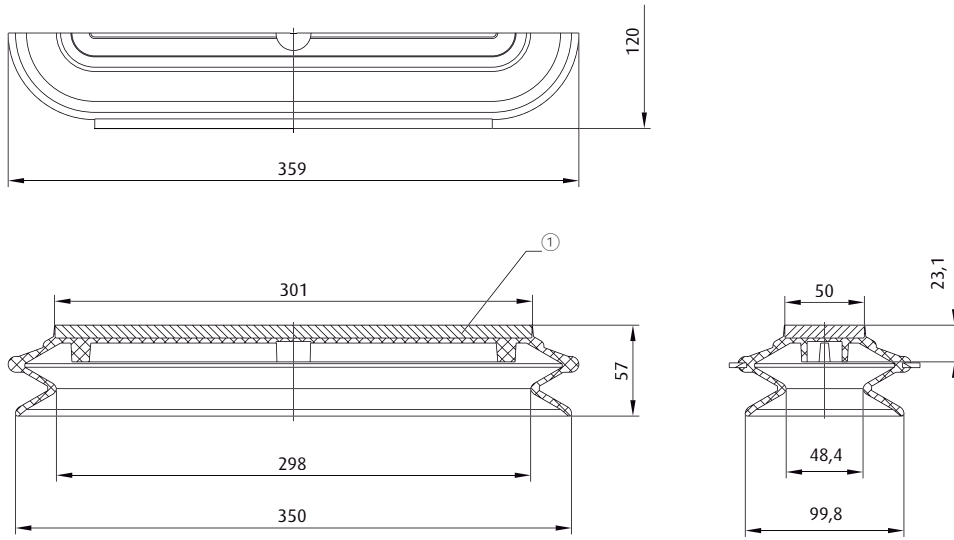
**Ordering notes:** Customised drilling patterns on request

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



# Vacuum cups by size | Oval vacuum cups by size

350x100 mm - 370x70 mm



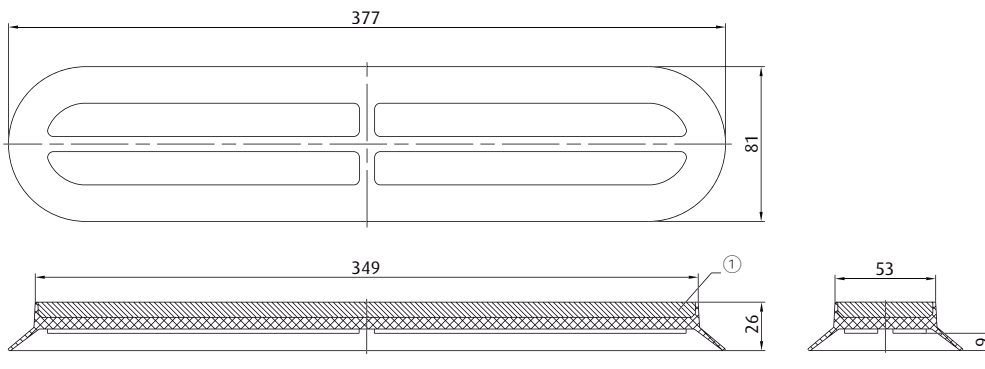
① = Steel

**Item no.**  
138.350x100.009.\*

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

39 mm

**Ordering notes:** With vulcanised metal reinforcement in the fold:  
138.350x100.010.\*



① = Steel

**Item no.**  
9.370x70.022.\*

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

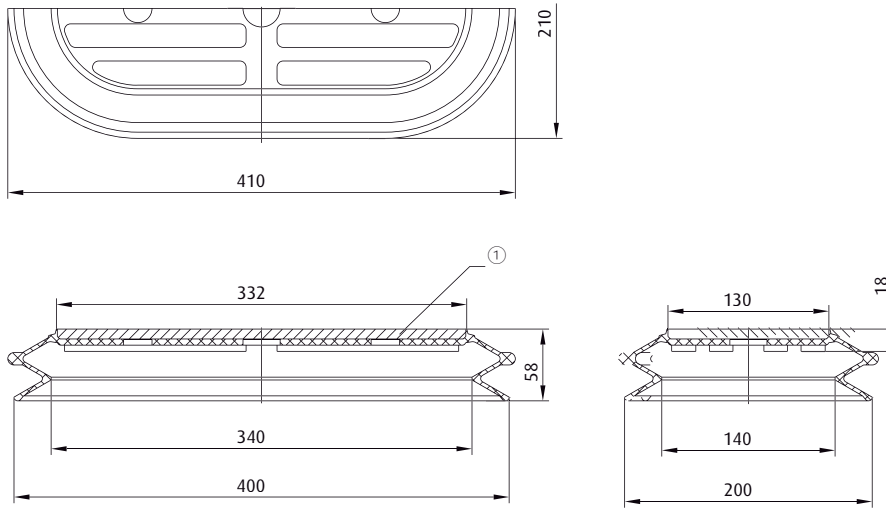
10 mm

Additional sizes available are found on p. 160.  
**Ordering notes:** Version with aluminium carrier: 9.370x70.023.\*

\* 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 | Oval vacuum cups by size

400x200 mm - 430x180 mm



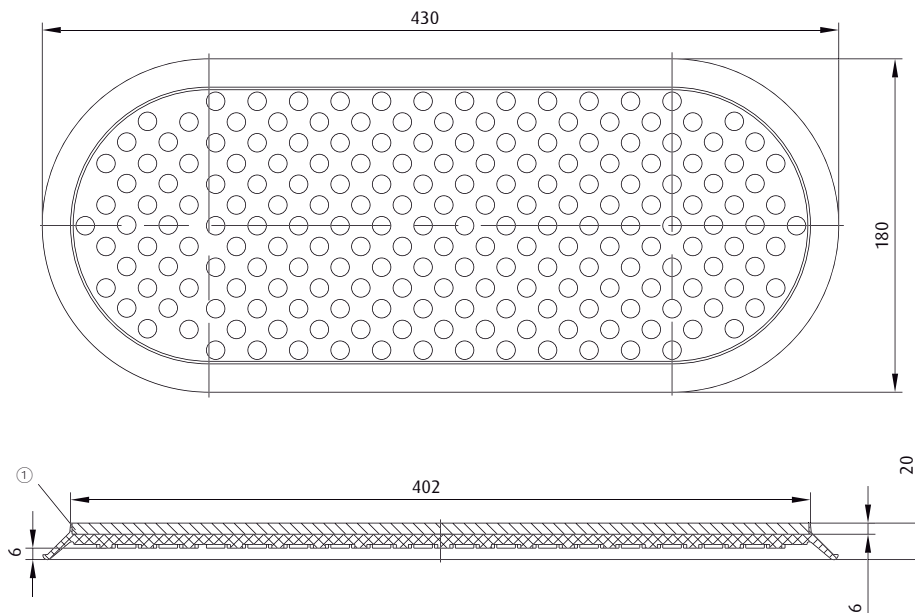
① = Steel

**Item no.**  
138.400x200.011.\_\*

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

39 mm

**Ordering notes:** With vulcanised metal reinforcement in the fold:  
138.400x200.012.\_\*



① = Steel

**Item no.**  
9.430x180.024.\_\*

**Material**  
SBR (sw), NBR (gr), PU (bg)

6 mm

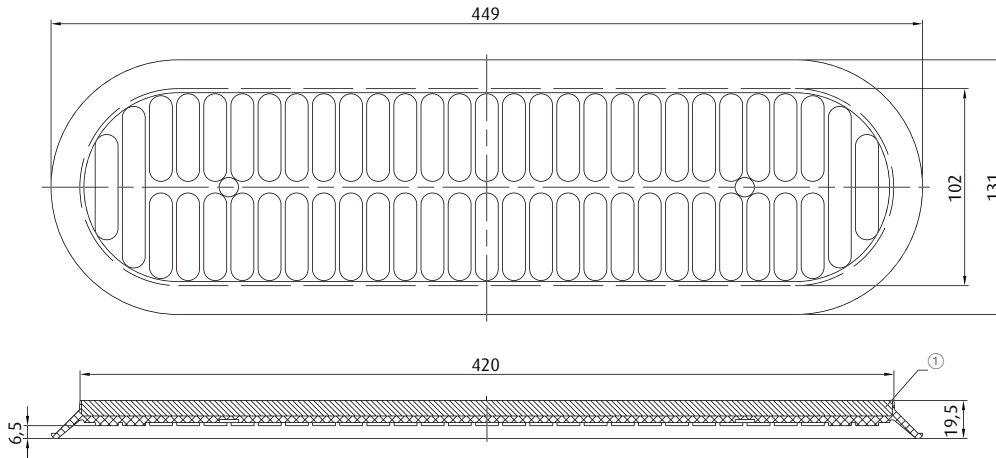
Additional sizes available are found on p. 160.  
**Ordering notes:** Customised drilling patterns on request

\* 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 | Oval vacuum cups by size

450x130 mm - 450x150 mm



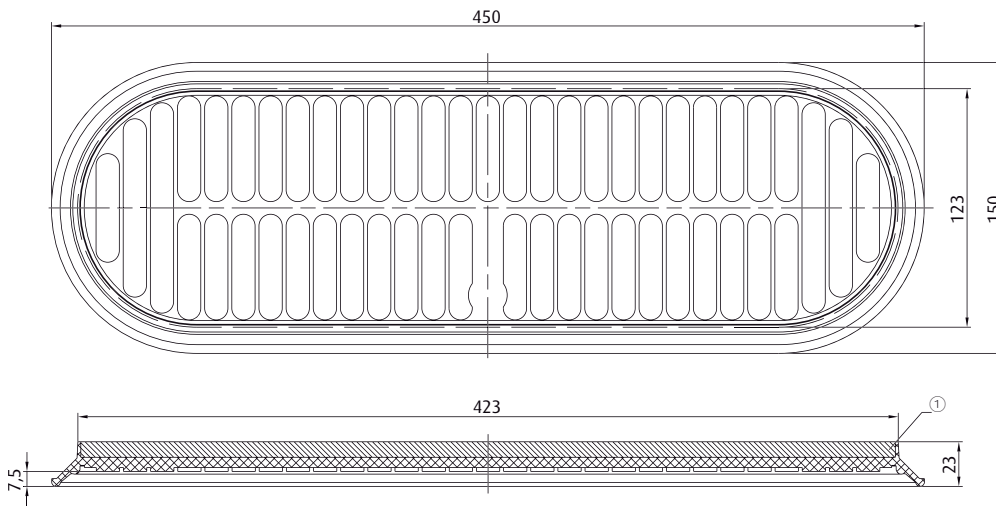
① = Steel

**Item no.**  
9.450x130.025.\*

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

6 mm

Additional sizes available are found on p. 160.  
**Ordering notes:** Customised drilling patterns on request



① = Steel

**Item no.**  
9.450x150.026.\*

**Material**  
NBR (gr), SBR (sw)

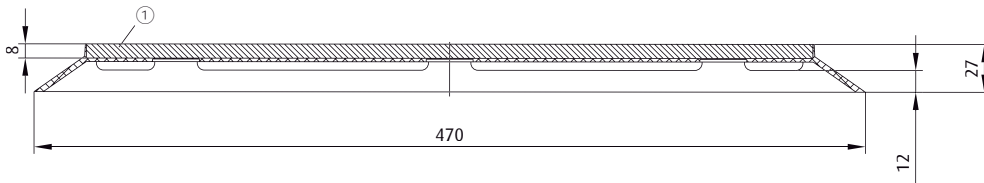
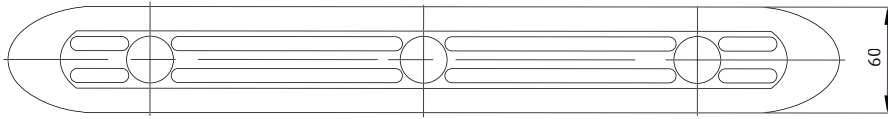
9 mm

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

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

# Vacuum cups by size | Oval vacuum cups by size

470x60 mm - 470x470 mm



SUITABLE FOR ROUND SECTIONS AND PIPES

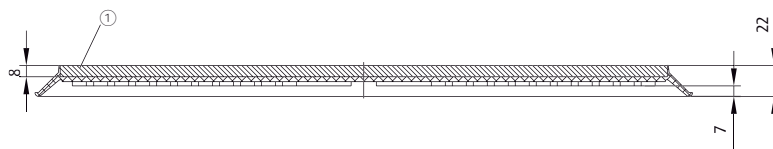
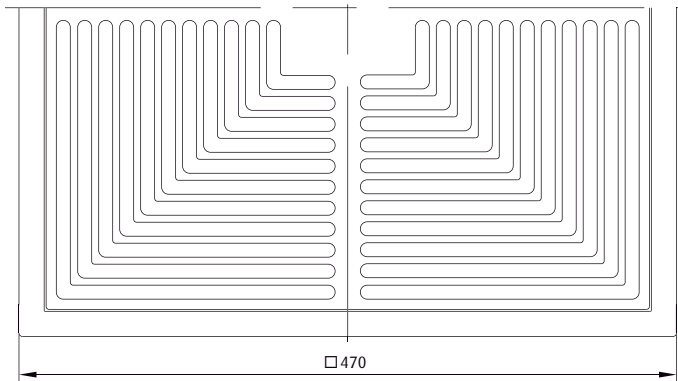
① = Steel

**Item no.**  
9.470x60.072.\*

**Material**  
NBR (gr), SBR (sw)

12 mm

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



① = Steel

**Item no.**  
9.470x470.027.\*

**Material**  
SBR (sw)

6 mm

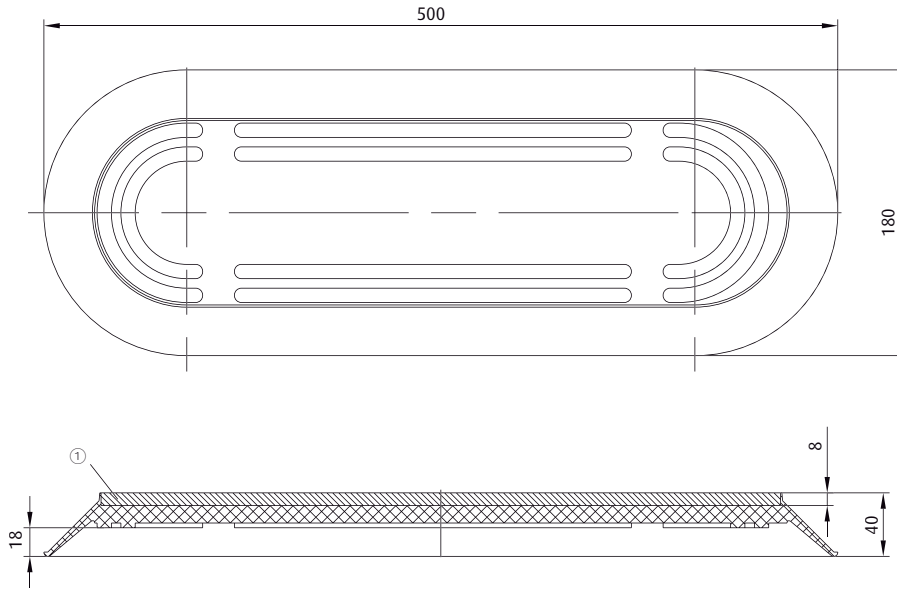
**Ordering notes:** Customised drilling patterns on request

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



# Vacuum cups by size | Oval vacuum cups by size

500x180 mm - 580x180 mm



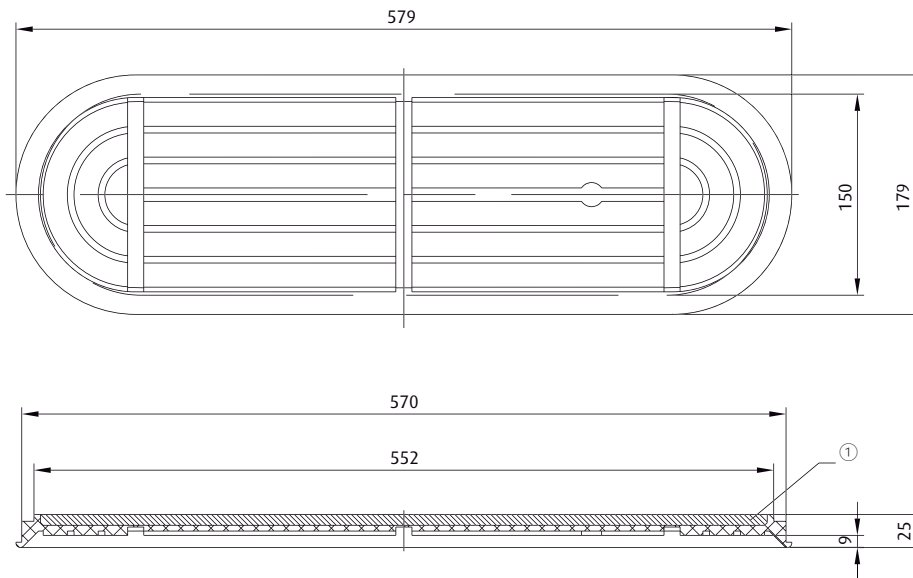
① = Steel

**Item no.**  
9.500x180.028.\*

**Material**  
NBR (gr), SBR (sw)

21 mm

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



① = Steel

**Item no.**  
9.580x180.029.\*

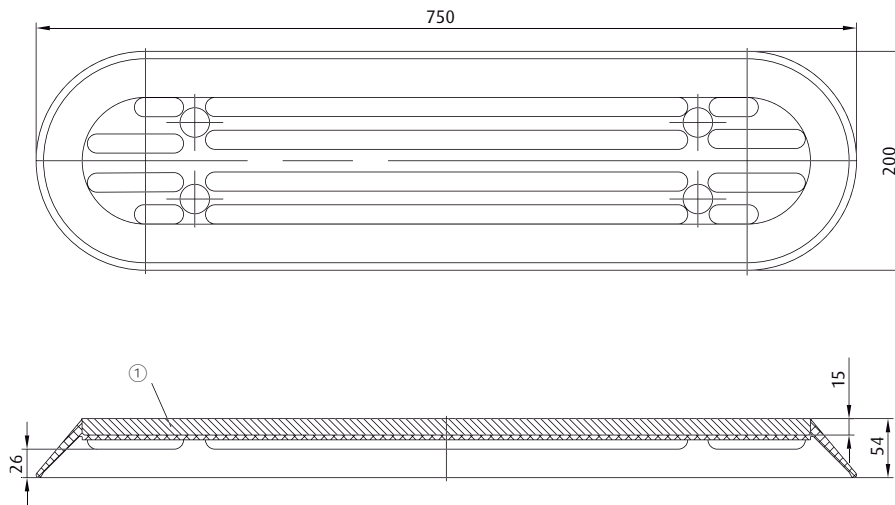
**Material**  
NBR (gr), SBR (br)

10 mm

Additional sizes available are found on p. 160.  
**Ordering notes:** Customised drilling patterns on request

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





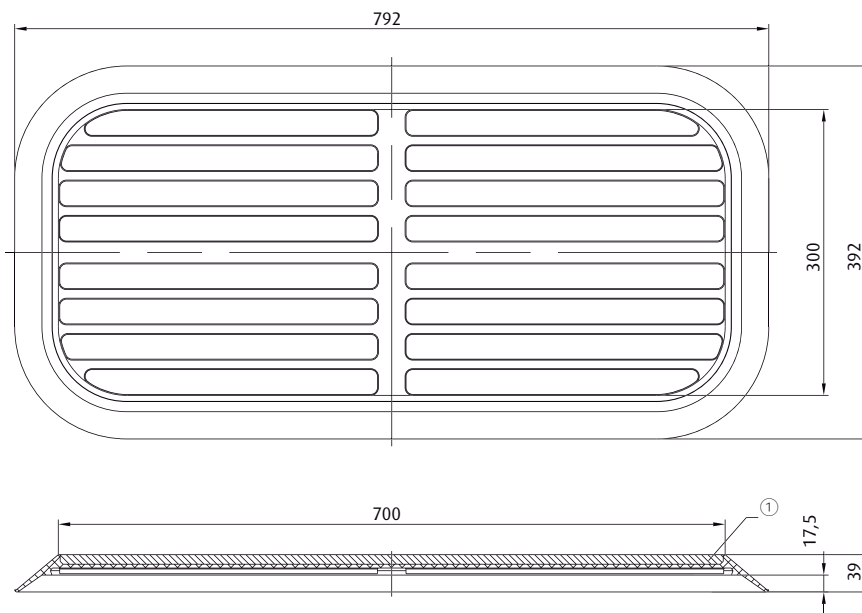
① = Steel

**Item no.**  
9.750x200.049.\*

**Material**  
SBR (br)

29 mm

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



① = Steel

**Item no.**  
9.800x400.048.\*

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

20 mm

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

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