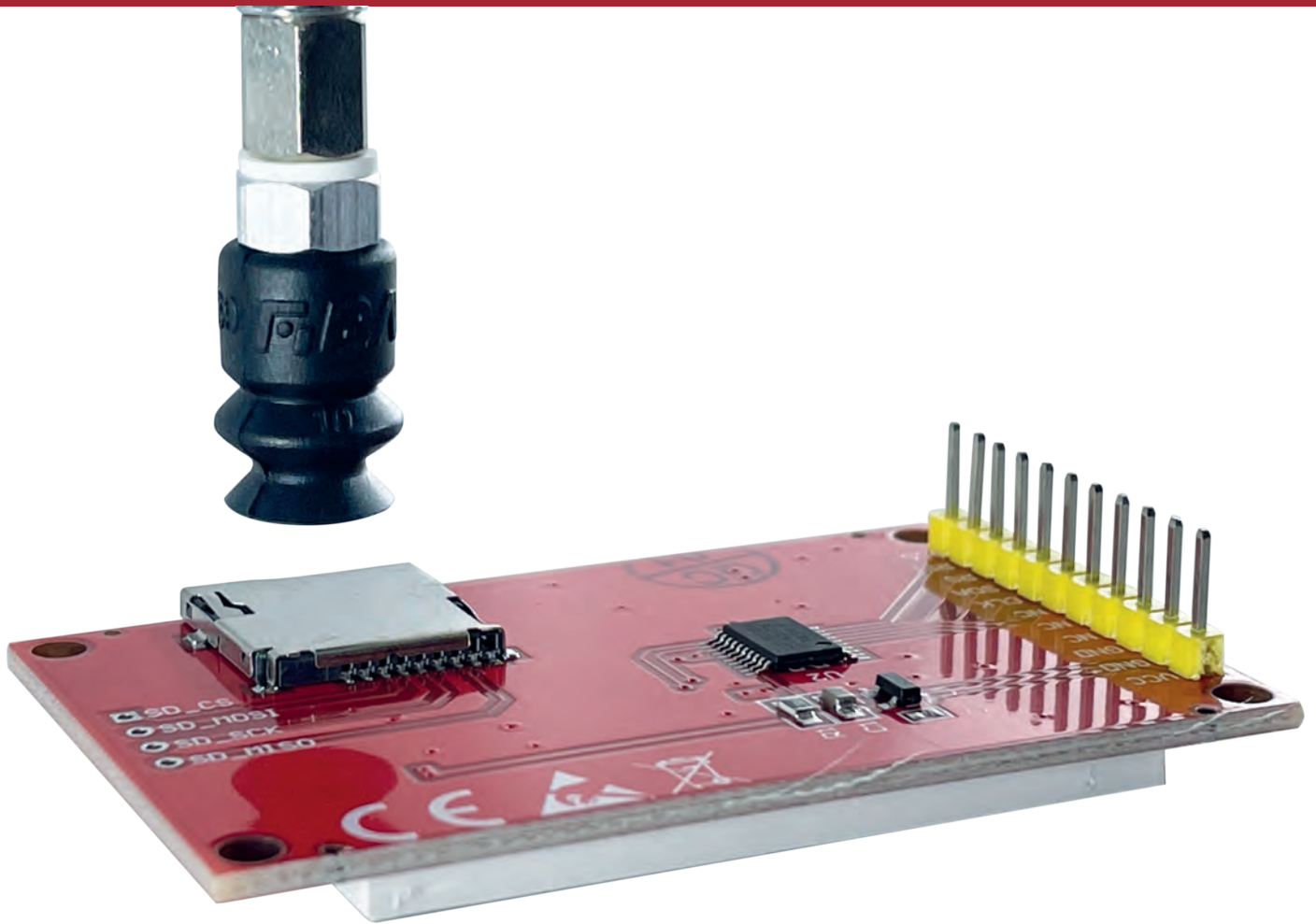


ANTISTATIC VACUUM CUPS

Product catalog

FIPA



Antistatic flat vacuum cups	5
Antistatic bellows vacuum cups	8
Antistatic oval vacuum cups	10
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Product range	18
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Antistatic vacuum cups for damage-free handling of electronic components

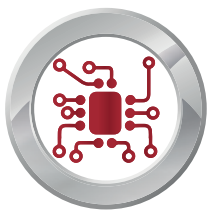
Electrostatic charges and the resulting uncontrolled electrostatic discharges (ESD: electrostatic discharge) lead to irreversible damage to sensitive electronic components. ESD is one of the most frequent causes of failure, particularly in semiconductor-based integrated circuits.

Our antistatic vacuum cups prevent electrostatic charging and uncontrolled, rapid discharge, thereby protecting electronic components from damage.

Antistatic vacuum cups are therefore an **important component** in the semiconductor, electronic and automotive industries.

Antistatic material: These vacuum cups are made of conductive or antistatic material, which dissipates the voltage applied to the workpiece in a controlled and damage-free manner.

Surface resistance: A typical value for the surface resistance of antistatic vacuum cups is between 10^6 and $10^9 \Omega$.

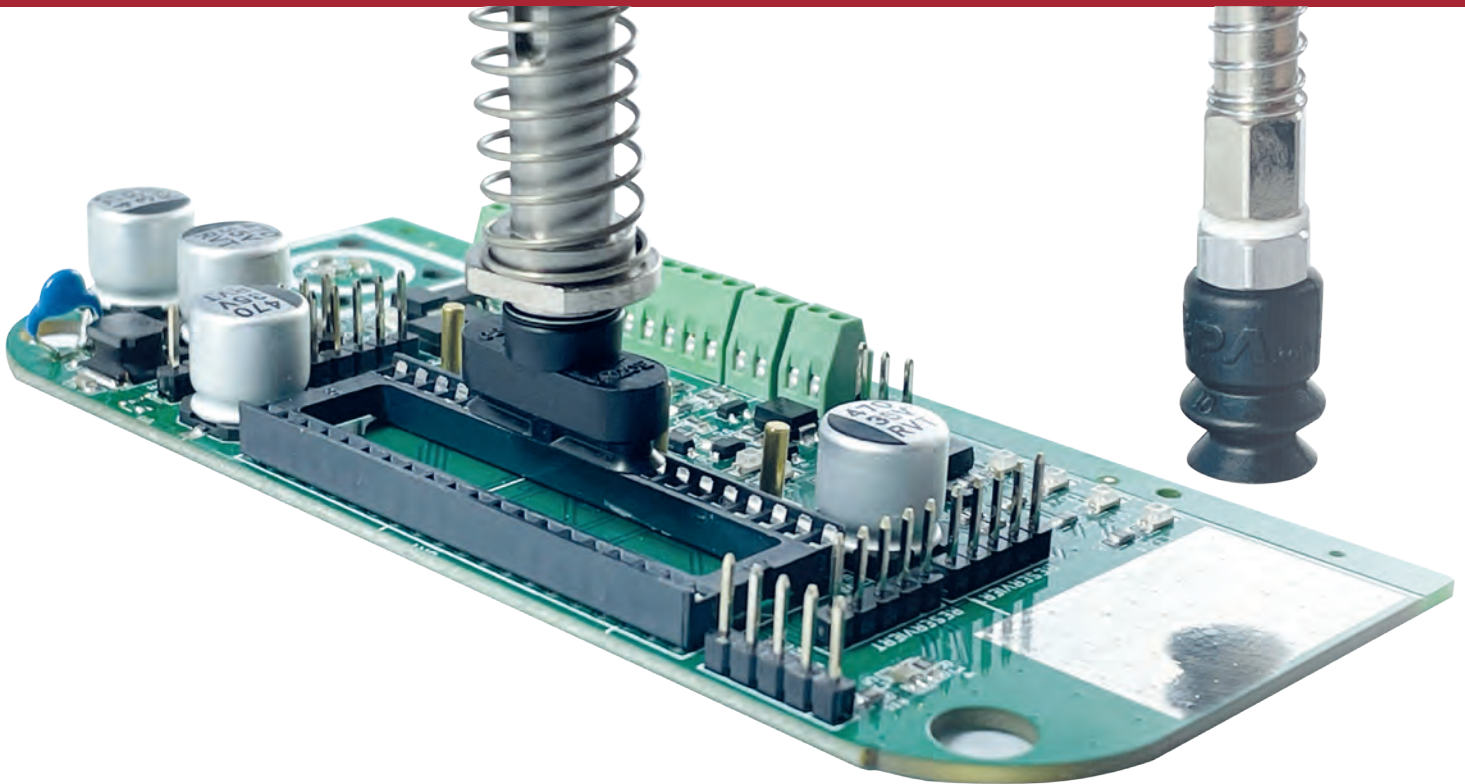


Semiconductor and electrical industry
Assembly of printed circuit boards (PCB), handling of IC chips or other sensitive components



Automotive industry
Assembly of sensors and control units

At a glance



Flat vacuum cups

The design guarantees optimum positioning accuracy when depositing the component.

A small evacuation volume of the vacuum cup enables very fast cycle times.

Available from \varnothing 0.7 mm to 15 mm

Details from page 5



Bellows vacuum cups

Compensates for height and angle differences.

For gentle positioning on components and gripping curved surfaces.

Available from \varnothing 6 mm to 16.5 mm

Details from page 8



Oval vacuum cups

Slim design ensures the best possible holding force with low space requirements.

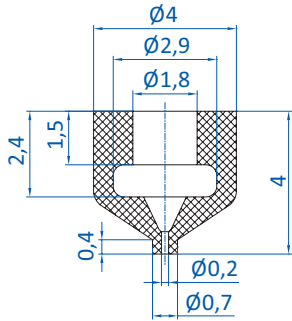
Preferred for narrow components or narrow available contact surface.

Available from \varnothing 4x2 mm to 30x8 mm

Details from page 10



Antistatic flat vacuum cups

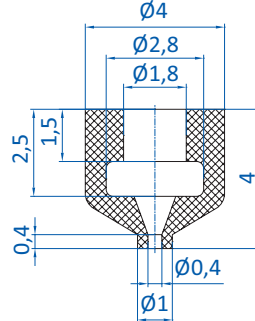


	Connection	
270.524	M3-male	--

Item no.
102.001.425.2AS

Material
SI-AS (sw)

0 mm

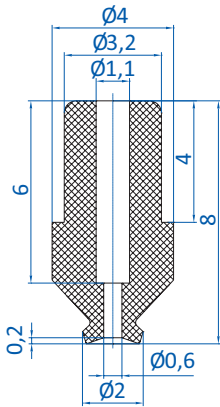


	Connection	
270.524	M3-male	--

Item no.
102.001.463.2AS

Material
SI-AS (sw)

0 mm

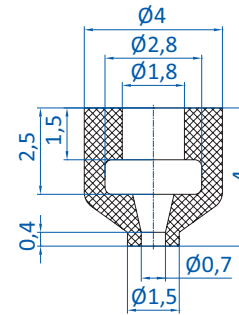


	Connection	
270.427	M3-male	--

Item no.
102.002.279.2AS

Material
SI-AS (sw)

0.2 mm

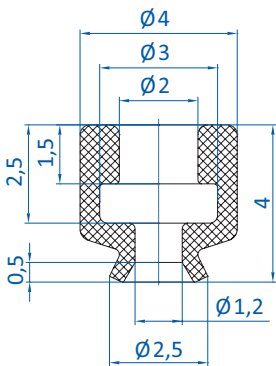


	Connection	
270.524	M3-male	--

Item no.
102.002.464.2AS

Material
SI-AS (sw)

0 mm



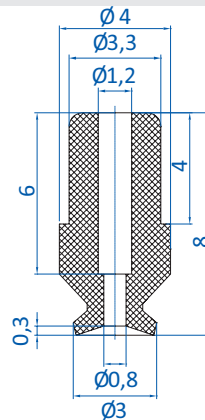
	Connection	
270.014	M3-male	--
270.300	M5-male	--

Item no.
102.002.004.2AS

Material
SI-AS (sw)

0.4 mm

Ordering notes Packing unit = 10 pieces



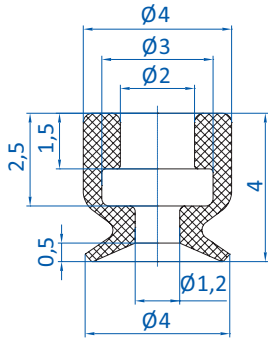
	Connection	
270.427	M3-male	--

Item no.
102.003.280.2AS

Material
SI-AS (sw)

0.3 mm

Antistatic flat vacuum cups



Item no.	Connection	
270.014	M3-male	--
270.300	M5-male	--

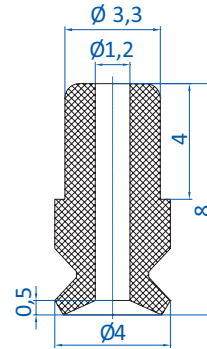
BESTSELLER

Item no.
102.003.005.2AS

Material
SI-AS (sw)

0.5 mm

Ordering notes Packing unit = 10 pieces

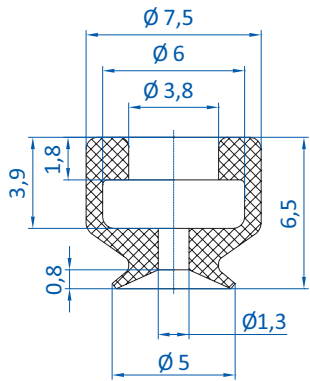


Item no.	Connection	
270.427	M3-male	--

Item no.
102.004.281.2AS

Material
SI-AS (sw)

0.3 mm



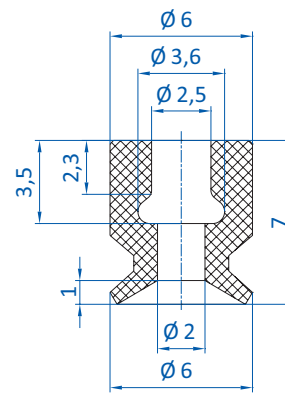
Item no.	Connection	
270.010	M5-male	--
270.005	M5-female	--
270.009	G1/8-male	--
270.007	G1/8-female	--

Item no.	Height	
50.330	9 mm	--

Item no.
102.005.009.2AS

Material
SI-AS (sw)

0.9 mm

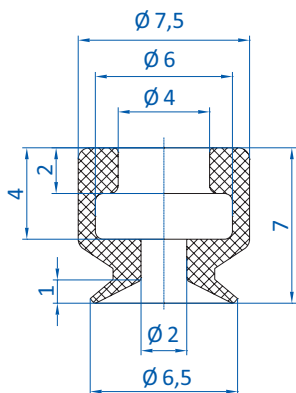


Item no.	Connection	
270.283	M5-male	--

Item no.
102.006.282.2AS

Material
SI-AS (sw)

0.5 mm



Item no.	Connection	
270.010	M5-male	--
270.005	M5-female	--
270.009	G1/8-male	--
270.007	G1/8-female	--

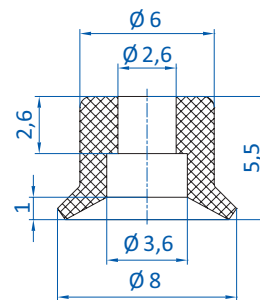
Item no.	Height	
50.330	9 mm	--

BESTSELLER

Item no.
102.006.013.2AS

Material
SI-AS (sw)

1 mm



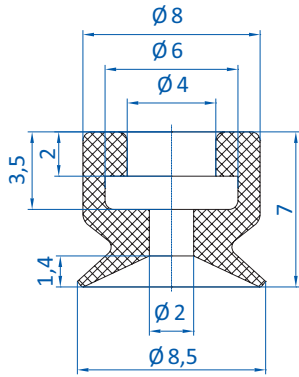
Item no.	Connection	
270.283	M5-male	--

Item no.
102.008.283.2AS

Material
SI-AS (sw)

1 mm

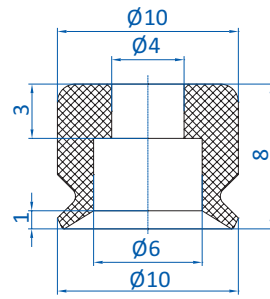
Antistatic flat vacuum cups



Connection	
270.010	M5-male --
270.005	M5-female --
270.009	G1/8-male --
270.007	G1/8-female --
<hr/>	
50.330	9 mm --

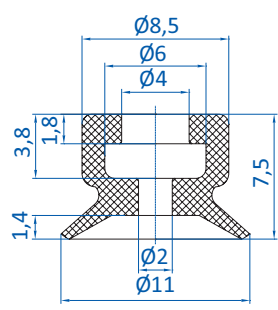
BESTSELLER

Item no. 102.008.017.2AS **Material** SI-AS (sw) 1.4 mm



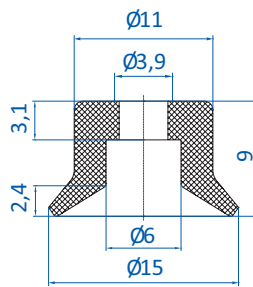
Connection	
270.010	M5-male --
270.009	G1/8-male --
270.007	G1/8-female --
<hr/>	
50.103	5.5 mm --
50.125	9.5 mm --
50.126	15 mm --
50.127	19.5 mm --

Item no. 102.010.284.2AS **Material** SI-AS (sw) 1 mm



Connection	
270.010	M5-male --
270.005	M5-female --
270.009	G1/8-male --
270.007	G1/8-female --
<hr/>	
50.330	9 mm --

Item no. 102.010.024.2AS **Material** SI-AS (sw) 1.2 mm



Connection	
270.010	M5-male --
270.009	G1/8-male --
270.007	G1/8-female --
<hr/>	
50.103	5.5 mm --
50.125	9.5 mm --
50.126	15 mm --
50.127	19.5 mm --

Item no. 102.015.285.2AS **Material** SI-AS (sw) 1.5 mm

Antistatic bellows vacuum cups

Connection	
270.153	M5-male

BESTSELLER

Item no.
23.005.178.2AS

Material
SI-AS (sw)

2 mm

Connection	
270.791	M5-male

Item no.
23.006.290.2AS

Material
SI-AS (sw)

2.3 mm

Connection	
270.010	M5-male
270.005	M5-female
270.009	G1/8-male
270.007	G1/8-female

Item no.
21.007.089.2AS

Material
SI-AS (sw)

3 mm

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

Connection	
270.791	M5-male

Item no.
23.008.291.2AS

Material
SI-AS (sw)

3 mm

Connection	
270.153	M5-male

BESTSELLER

Item no.
23.008.166.2AS

Material
SI-AS (sw)

3.5 mm

Connection	
270.458	M4-male
270.134	M5-male
270.104	M6-male

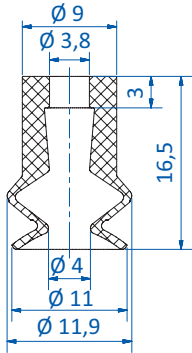
Item no.	Material	Height
50.103	SI-AS (sw)	5.5 mm
50.104	SI-AS (sw)	6 mm
50.125	SI-AS (sw)	9.5 mm
50.126	SI-AS (sw)	15 mm
50.127	SI-AS (sw)	19.5 mm

Item no.
23.010.139.2AS

Material
SI-AS (sw)

4 mm

Antistatic bellows vacuum cups



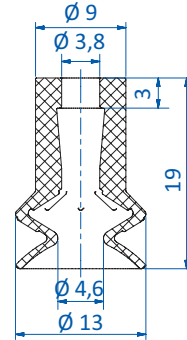
	Connection	
270.134	M5-male	--
270.104	M6-male	--

BESTSELLER

Item no.
23.011.295.2AS

Material
SI-AS (sw)


 4.5 mm

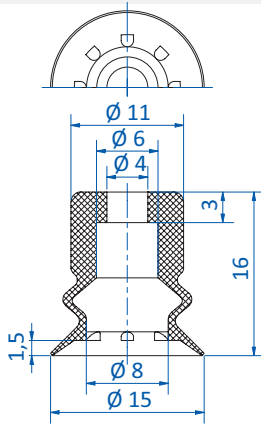


	Connection	
270.134	M5-male	--
270.104	M6-male	--

Item no.
23.013.296.2AS

Material
SI-AS (sw)

 5.3 mm



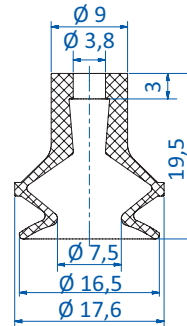
	Connection	
270.458	M4-male	--
270.134	M5-male	--
270.104	M6-male	--

50.127	19.5 mm	--

Item no.
23.015.292.2AS

Material
SI-AS (sw)

 4 mm



	Connection	
270.134	M5-male	--
270.104	M6-male	--

Item no.
23.016.297.2AS

Material
SI-AS (sw)

 6.7 mm

BESTSELLER

Antistatic oval vacuum cups

	<table border="1"> <tr> <th>Connection</th> <td></td> </tr> <tr> <td>270.011</td> <td>M3-male</td> </tr> </table>	Connection		270.011	M3-male
Connection					
270.011	M3-male				

Item no. 132.4x2.001.2AS	Material SI-AS (sw)	0.5 mm
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	<table border="1"> <tr> <th>Connection</th> <td></td> </tr> <tr> <td>270.025</td> <td>M3-male</td> </tr> </table>	Connection		270.025	M3-male
Connection					
270.025	M3-male				

Item no. 132.7x4.002.2AS	Material SI-AS (sw)	0.8 mm
------------------------------------	-------------------------------	--------

	<table border="1"> <tr> <th>Connection</th> <td></td> </tr> <tr> <td>270.463</td> <td>M5-male</td> </tr> <tr> <td>270.339</td> <td>M6-male</td> </tr> </table>	Connection		270.463	M5-male	270.339	M6-male
Connection							
270.463	M5-male						
270.339	M6-male						

Item no. 132.10x4.003.2AS	Material NBR-AS (sw)	0.9 mm
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Spare cup

	<table border="1"> <tr> <th>Connection</th> <th></th> <td></td> </tr> <tr> <td>50.095</td> <td>19.5 mm</td> <td>--</td> </tr> <tr> <td>50.096</td> <td>30 mm</td> <td>--</td> </tr> <tr> <td>50.097</td> <td>39 mm</td> <td>--</td> </tr> <tr> <td>50.098</td> <td>49.5 mm</td> <td>--</td> </tr> </table>	Connection			50.095	19.5 mm	--	50.096	30 mm	--	50.097	39 mm	--	50.098	49.5 mm	--
Connection																
50.095	19.5 mm	--														
50.096	30 mm	--														
50.097	39 mm	--														
50.098	49.5 mm	--														

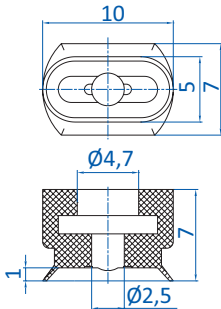
Item no. 130.10x4.068.2AS	Material NBR-AS (sw)	0.9 mm
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Spare cup

	<table border="1"> <tr> <th>Connection</th> <th></th> <td></td> </tr> <tr> <td>50.152</td> <td>10 mm</td> <td>--</td> </tr> <tr> <td>50.153</td> <td>20 mm</td> <td>--</td> </tr> </table>	Connection			50.152	10 mm	--	50.153	20 mm	--
Connection										
50.152	10 mm	--								
50.153	20 mm	--								

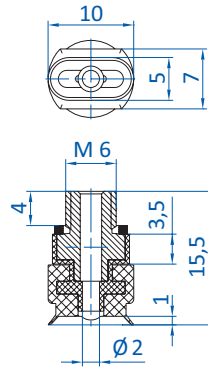
Item no. 130.10x4.115.2AS	Material NBR-AS (sw)	0.9 mm
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Antistatic oval vacuum cups



	Connection	
270.463	M5-male	--
270.339	M6-male	--

Spare cup

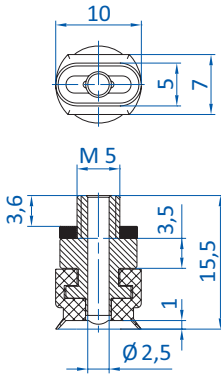


50.095	19.5 mm	--
50.096	30 mm	--
50.097	39 mm	--
50.098	49.5 mm	--

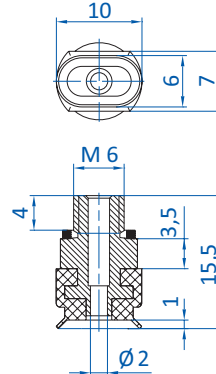
Item no. **132.10x5.007.2AS** Material NBR-AS (sw) 0.9 mm

Item no. **130.10x5.071.2AS** Material NBR-AS (sw) 0.9 mm

Spare cup



50.152	10 mm	--
50.153	20 mm	--

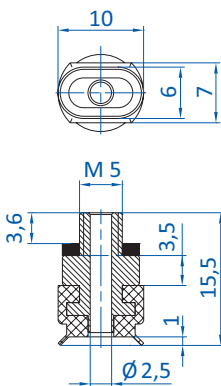


50.095	19.5 mm	--
50.096	30 mm	--
50.097	39 mm	--
50.098	49.5 mm	--

Item no. **130.10x5.116.2AS** Material NBR-AS (sw) 0.9 mm

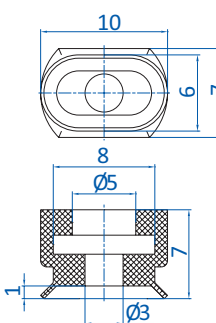
Item no. **130.10x6.073.2AS** Material NBR-AS (sw) 0.9 mm

Spare cup



50.152	10 mm	--
50.153	20 mm	--

Spare cup



	Connection	
270.463	M5-male	--
270.339	M6-male	--

Item no. **130.10x6.117.2AS** Material NBR-AS (sw) 0.9 mm

Item no. **132.10x6.011.2AS** Material NBR-AS (sw) 0.9 mm

Antistatic oval vacuum cups

Connection		
270.464	M5-male	--
270.340	M6-male	--

Item no.
132.20x4.005.2AS

Material
NBR-AS (sw)

0.9 mm

Spare cup

50.152	10 mm	--
50.153	20 mm	--

Item no.
130.20x4.118.2AS

Material
NBR-AS (sw)

0.9 mm

50.095	19.5 mm	--
50.096	30 mm	--
50.097	39 mm	--
50.098	49.5 mm	--

Item no.
130.20x4.069.2AS

Material
NBR-AS (sw)

0.9 mm

Spare cup

50.152	10 mm	--
50.153	20 mm	--

Item no.
130.20x5.119.2AS

Material
NBR-AS (sw)

0.9 mm

Spare cup

50.095	19.5 mm	--
50.096	30 mm	--
50.097	39 mm	--
50.098	49.5 mm	--

Item no.
130.20x5.081.2AS

Material
NBR-AS (sw)

0.9 mm

Spare cup

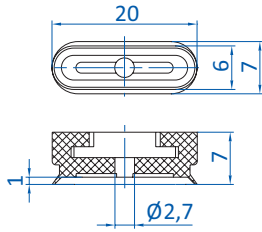
Connection		
270.464	M5-male	--
270.340	M6-male	--

Item no.
132.20x5.009.2AS

Material
NBR-AS (sw)

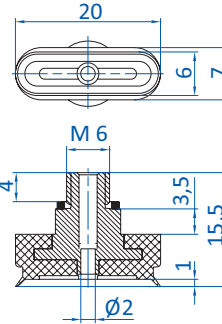
0.9 mm

Antistatic oval vacuum cups



	Connection	
270.464	M5-male	--
270.340	M6-male	--

Spare cup



50.095	19.5 mm	--
50.096	30 mm	--
50.097	39 mm	--
50.098	49.5 mm	--

Item no.
132.20x6.013.2AS

Material
NBR-AS (sw)

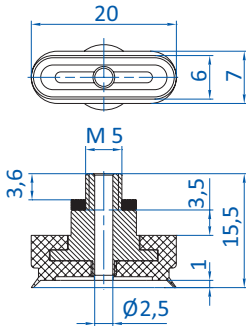
0.9 mm

Item no.
130.20x6.074.2AS

Material
NBR-AS (sw)

0.9 mm

Spare cup

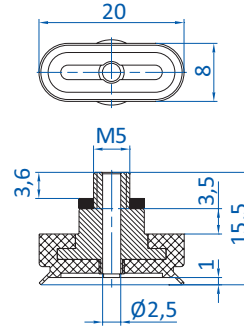


50.152	10 mm	--
50.153	20 mm	--

Item no.
130.20x6.120.2AS

Material
NBR-AS (sw)

0.9 mm



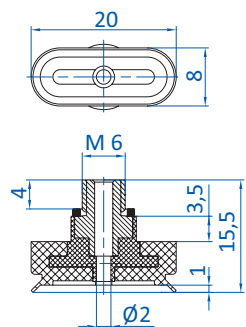
50.152	10 mm	--
50.153	20 mm	--

Item no.
130.20x8.121.2AS

Material
NBR-AS (sw)

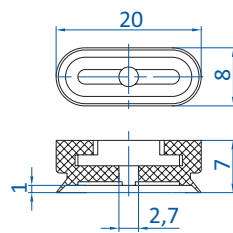
0.9 mm

Spare cup



50.095	19.5 mm	--
50.096	30 mm	--
50.097	39 mm	--
50.098	49.5 mm	--

Spare cup



	Connection	
270.464	M5-male	--
270.340	M6-male	--

Item no.
130.20x8.076.2AS

Material
NBR-AS (sw)

0.9 mm

Item no.
132.20x8.015.2AS

Material
NBR-AS (sw)

0.9 mm

Antistatic oval vacuum cups

Item no.	Connection	
270.464	M5-male	--
270.340	M6-male	--

Item no. 132.30x5.010.2AS **Material** NBR-AS (sw) 0.9 mm

Item no.	Connection	
50.095	19.5 mm	--
50.096	30 mm	--
50.097	39 mm	--
50.098	49.5 mm	--

Item no. 130.30x5.072.2AS **Material** NBR-AS (sw) 0.9 mm

Spare cup

Item no.	Connection	
50.152	10 mm	--
50.153	20 mm	--

Item no. 130.30x6.124.2AS **Material** NBR-AS (sw) 0.9 mm

Item no.	Connection	
50.095	19.5 mm	--
50.096	30 mm	--
50.097	39 mm	--
50.098	49.5 mm	--

Item no. 130.30x6.075.2AS **Material** NBR-AS (sw) 0.9 mm

Item no.	Connection	
50.152	10 mm	--
50.153	20 mm	--

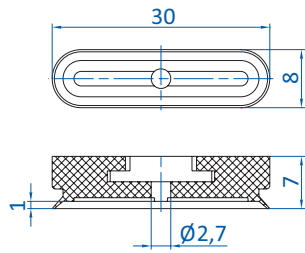
Item no. 130.30x6.124.2AS **Material** NBR-AS (sw) 0.9 mm

Spare cup

Item no.	Connection	
270.464	M5-male	--
270.340	M6-male	--

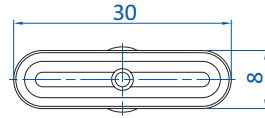
Item no. 132.30x6.014.2AS **Material** NBR-AS (sw) 0.9 mm

Antistatic oval vacuum cups

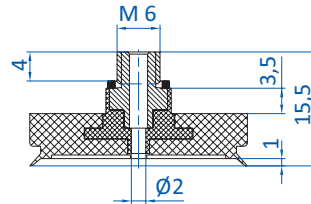


	Connection	
270.464	M5-male	--
270.340	M6-male	--

Spare cup



50.095	19.5 mm	--
50.096	30 mm	--
50.097	39 mm	--
50.098	49.5 mm	--



Item no.
132.30x8.017.2AS

Material
NBR-AS (sw)

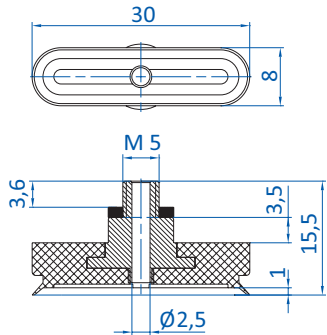
0.9 mm

Item no.
130.30x8.077.2AS

Material
NBR-AS (sw)

0.9 mm

Spare cup



50.152	10 mm	--
50.153	20 mm	--

Item no.
130.30x8.125.2AS

Material
NBR-AS (sw)

0.9 mm

WE MOVE FORWARD

With know-how, expertise, flexibility and professional project management we guide you to the best solution for your handling task in vacuum, gripping and lifting technology.



Box

Efficient handling and transportation of cardboard packaging in storage and shipping areas.



Injection molded parts

Low-marking removal of hot plastic parts, cutting of sprues.



Sacks

Ergonomic, safe handling and picking of sacks.



Bags/Pouches

Handling of unstable flowpacks and bags with different textures.



Sheet metal

Fast cycling times and high process reliability for sheet metal transfer, body car handling and machine loading.



Wood

Handling of wooden elements with different surfaces, machine loading.



Glass/bottles

Non-marking, safe handling and assembly of panes, glass and window elements.



Paper/foils

Precise and reliable handling without soaking in the product.



Drums

Safe handling of heavy drums, buckets and canisters.



Food

Flexible and FDA-compliant handling for direct contact with food.



Pallets

Easy and safe handling of pallets for a smooth material flow.



Electronic parts

Clean and flexible handling of very small components with maximum precision.

AUTOMATION SOLUTIONS ACCORDING TO YOUR NEEDS

We are your global partner for all requirements in the industrial automation industry. Thanks to our many years of experience, reliability and flexibility, we always find the right solution to maximise your process reliability.

Production and logistics mean movement. In most industries, products are picked up, held, deposited, turned, turned over, positioned and lifted.

Vacuum technology can be used to move workpieces safely and quickly, but above all to handle them gently and without causing damage. We have a comprehensive range of innovative and high-quality products for all these applications. With our customer-specific solutions, you can optimise your production processes while supporting your employees in their daily work.

Are you looking for an automation approach and want to improve your processes?

We are more than just a supplier of components. With our expertise, application know-how and professional project management, we provide the optimum solution for your handling task in vacuum, gripping and lifting technology.

Do you want to increase efficiency and productivity at the same time as working ergonomically?

We work closely with our customers and therefore always find an answer - from standard solutions to customised designs of the gripper construction.

Our goal: to optimise processes in production and logistics with individual components and customised solutions.

Personal contact, fast response times and expertise are our path to successful projects. We are active for you worldwide through our large partner network.

We keep moving for **you** so that production and logistics run reliably and smoothly.

THE EXTENSIVE PRODUCT RANGE

In addition to vacuum cups and vacuum components, we offer a comprehensive range of gripping and fastening elements. In our product catalogues at www.fipa.com you will find a summary of our complete range.



Are you looking for the right vacuum cups?

In the pick and place field, all vacuum cups have the same task: lifting parts and moving them without causing damage. Different vacuum cups are used depending on the shape, size and material of the goods to be handled. We have an extensive range of flat, bellows and oval vacuum cups, as well as matching holders and spring levelers, which we present in our vacuum cups catalog.



Do you need gripping elements?

In the catalog for End-of-Arm-Tooling you will find everything, such as sprue grippers, gripper fingers, quick-change systems and air nippers, as well as our vacuum gripping systems.



Are you looking for the right vacuum component?

The highest level of professionalism in generating, regulating and controlling of vacuum – this is guaranteed by the various vacuum components from FIPA. In the catalog for vacuum components you will find everything from suitable vacuum generation, vacuum filters, hoses and connecting elements.



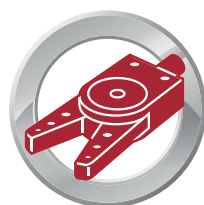
Do you want to make lifting heavy loads easier?

Take the strain from your employees with the ideal tube lifter for your application. Our goal is to make your material flow as efficient and ergonomic as possible.



Your global partner for

VACUUM, GRIPPING AND LIFTING TECHNOLOGY



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