

Special vacuum cups for the glass industry and for all purpose use

We would like to introduce you to a series of vacuum cups specially developed for the *glass industry* where they are primarily used.

What makes these vacuum cups so special is the exact design of their suction lip. This has a number of support bumps towards its center, which increase the holding and friction forces especially with smooth surfaces and allow both horizontal as well as vertical operation.

In addition, there are two separate sealing lips along their outside diameter, which guarantee prolonged vacuum duration. ❶

Mounting the suction lip is ❷ very easy:

Simply slip it onto ❸ an aluminum plate, no special tools being required. The holder plate ensures perfect fit of the suction lip.

These special-purpose vacuum cups are not exclusively used in the glass industry but also for handling and working marble, wood, plastics and metal. In the glass industry, the material preferably used for vacuum cups is natural rubber because this absorbs high friction forces (static friction).

The cups can, however, also be made from silicone (-50°C to +300°C) as well as from a special, highly non-marking elastomere mixture, „Gray“.

Where the cups are exposed to chemicals, we recommend FKM (Viton®); this is temperature-resistant up to 400°C (available on request).

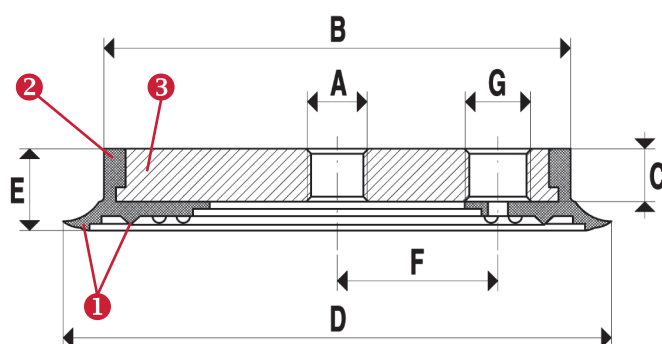
The special-purpose vacuum cups are available in five different sizes, from 65mm dia. to 254mm dia. When the suction lip is worn, simply order spare cups. The holders can be reused.

Note:

For textured surfaces, the extensive Morali line-up includes other special-purpose vacuum cups (slip-on or vulcanized).

Holding forces

Holding forces have been calculated in kg for 75% vacuum (-750 mbars) and triple safety.



Art. No.	Holding force Kg	A Ø	B Ø	C	D Ø	E	F	G Ø	Replace suction lip
11.065.049	8.29	M12	69	11	65	17	--	--	10.065.496
11.065.050	8.29	M8	69	11	65	17	21	1/4"	
11.065.051	8.29	M12	69	11	65	17	21	1/4"	
11.065.064	8.29	1/4"	69	11	65	17	--	--	10.085.497
11.085.052	14.18	M12	69	11	85	17	--	--	
11.085.053	14.18	M8	69	11	85	17	21	1/4"	
11.085.054	14.18	M12	69	11	85	17	21	1/4"	10.114.498
11.114.055	23.74	M12	97	11	114	17	--	--	
11.114.056	23.74	M8	97	11	114	17	26	1/4"	
11.114.057	23.74	M12	97	11	114	17	26	1/4"	10.154.499
11.114.058	23.74	3/8"	97	11	114	17	--	--	
11.154.059	45.00	M12	135	15	154	23	--	--	
11.154.060	45.00	M12	135	15	154	23	30	1/4"	10.254.500
11.154.061	45.00	M12	135	15	154	23	30	3/8"	
11.154.062	45.00	3/8"	135	15	154	23	--	--	
11.154.063	45.00	3/8"	135	15	154	23	27	3/8"	10.254.500
11.254.046	122.60	M12	237	15	254	23	70	3/8"	

On request, fittings can also be supplied with other screw threads.



Morali Produktionstechnik GmbH

Schwarzwaldstraße 4/2
D-78628 Rottweil

Telefon +49 741- 17 52 60- 0
Telefax +49 741- 17 52 60- 29

e-Mail: info@morali-gmbh.de
WEB: www.morali-gmbh.de

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