

Elliptical flat vacuum cups with one bellow - High Grip

With support, rubber

MATERIAL

Vacuum cup in hydrogenated nitrile rubber (HNBR).
Steel support.

FEATURES AND APPLICATIONS

The elliptical shape makes them suitable for handling elongated products such as steel tubes, copper bars, or metal parts with irregular surfaces.

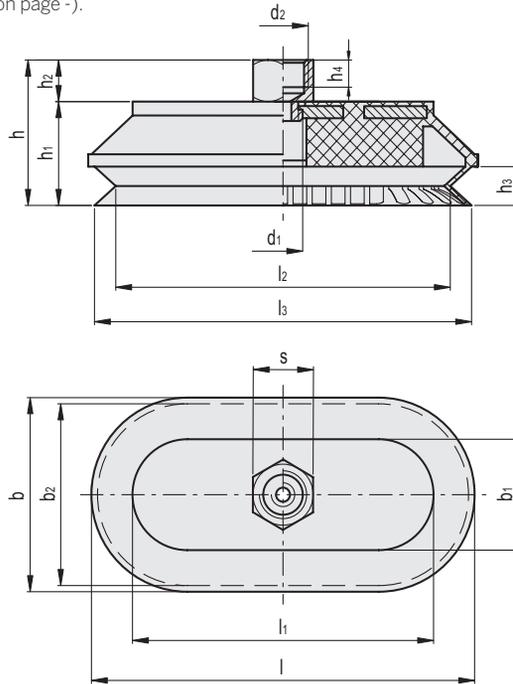
The bellows shape means that when in contact with the surface of the load the vacuum cup folds quickly on itself, lifting the load from the support surface.

The labyrinth moulded onto the support surface of the vacuum cup facilitates the drainage of liquids (oil, water), guaranteeing a high grip between the vacuum cup and the surface area of the product (metal, glass, or marble).

This feature guarantees a safe and stable grip on the product in all conditions.

- Hardness 60+75 Shore A;
- Operating temperature between -40 e +170 °C;
- Stain proof;
- Excellent resistance to abrasion, water and drawing oils containing chlorine.

See Technical Data for vacuum cups (on page -).



Code	Description	d1	d2	h	h1	h2	h3	h4	b	b1	b2	l	l1	l2	l3	s	F* [Kg]	Volume # [cm3]	
VV.49001	VVE-30-60-G1/4-B	G1/8G1/4	35	21	14	7	10	33	20	30	63	50	44.5	60	17	4	12.6	50	
VV.49002	VVE-40-80-G1/4-B	G1/8G1/4	37	23	14	9	10	43	30	40	83	70	64	80	17	7.1	24.8	92	
VV.49003	VVE-50-100-G3/8-B	G1/4G3/8	44	29	15	13	10	53	30	50	103	80	79	100	17	11.1	57.6	126	
VV.49004	VVE-70-140-G3/8-B	G1/4G3/8	48	33	15	16.5	10	73	40	70	143	110	109	140	22	21.8	122.8	228	

* The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a vacuum level of -75 KPa and a safety coefficient of 3.

Indicates the internal geometric volume of the vacuum cup and represents the volume to be added to the entire distribution circuit for the calculation of the evacuation time, especially if multiple vacuum cups are used.