

**MATERIAL**

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

**FEATURES AND APPLICATIONS**

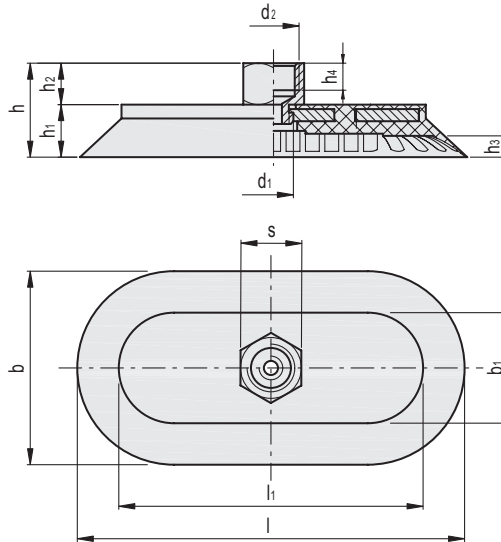
The elliptical shape makes them suitable for handling elongated products such as steel tubes, copper bars, or metal parts with irregular surfaces.

The 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	l	l1	s	F* [Kg]	Volume # [cm3]	⚖
VV.48001	VVD-30-60-G1/4-B	G1/8	G1/4	27	13	14	3	10	30	17	60	47	17	4	4.5	43
VV.48002	VVD-30-90-G1/4-B	G1/8	G1/4	27	13	14	3	10	30	17	90	77	17	6.2	7	64
VV.48003	VVD-40-80-G1/4-B	G1/8	G1/4	28	14	14	4	10	40	30	80	70	17	7.1	13.2	68
VV.48004	VVD-50-100-G3/8-B	G1/4	G3/8	31	16	15	5	10	50	30	100	80	22	11.1	15	110
VV.48005	VVD-60-120-G3/8-B	G1/4	G3/8	33	18	15	6	10	60	35	120	95	22	16	32.1	157
VV.48006	VVD-70-140-G3/8-B	G1/4	G3/8	34	19	15	7	10	70	40	140	110	22	21.9	53.5	200

\* 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.