



**MATERIAL**

Vacuum cup in oil-proof rubber (NBR), natural (NR), or silicone (VMQ). Support in nickel-plated brass or anodised aluminium.

**STANDARD EXECUTIONS**

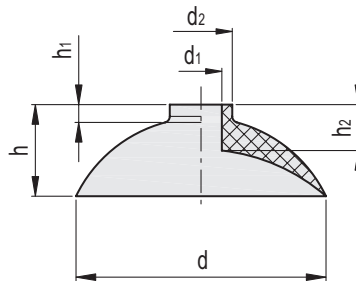
- **VVI-45-A**: oil-proof rubber, without support.
- **VVI-45-N**: natural rubber, without support.
- **VVI-45-S**: silicone rubber, without support.
- **VVI-45-T-A**: oil-proof rubber, with support.
- **VVI-45-T-N**: natural rubber, with support.
- **VVI-45-T-S**: silicone rubber, with support.

**FEATURES AND APPLICATIONS**

Vacuum suction cups with a G 1/4" threaded support have an M8 threaded hole inside to allow for the possible insertion of a grub screw with a calibrated hole.

This allows the suction section of the vacuum suction cup to be reduced, thus reducing the vacuum losses that could be generated if the vacuum suction cup fails to grip the surface of the product.

They are specifically used for handling ceramic or concrete tiles with smooth or shaped surfaces and, in general, for handling products with very different technical characteristics in terms of size, materials, form, and gripping surfaces (flat, slightly convex or concave). See Technical Data for vacuum cups (on page -).



**VVI-45-A**

Code	Description	d	d1	d2	h	h1	h2	Volume # [cm3]	⚖️
VV.53019	VVI-45-A	45	10	15	18	5	9.5	8	7

**VVI-45-N**

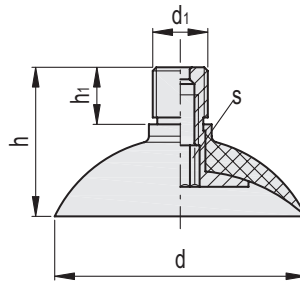
Code	Description	d	d1	d2	h	h1	h2	Volume # [cm3]	⚖️
VV.53020	VVI-45-N	45	10	15	18	5	9.5	8	7

**VVI-45-S**

Code	Description	d	d1	d2	h	h1	h2	Volume # [cm3]	⚖️
VV.53021	VVI-45-S	45	10	15	18	5	9.5	8	7

\* 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.



**VVI-45-T-A**

Code	Description	d	d1	h	h1	s	Volume # [cm3]	⚖️
VV.53022	VVI-45-G1/4-T-A	45	G1/4	32	14	8	8	13
VV.54010	VVI-45-G1/8-T-A	45	G1/8	32	14	8	8	12
VV.54013	VVI-45-M6-T-A	45	M6	32	14	8	8	10
VV.54016	VVI-45-M8-T-A	45	M8	32	14	8	8	11
VV.54019	VVI-45-M10-T-A	45	M10	32	14	8	8	12

**VVI-45-T-N**

Code	Description	d	d1	h	h1	s	Volume # [cm3]	⚖️
VV.53023	VVI-45-G1/4-T-N	45	G1/4	32	14	8	8	13
VV.54011	VVI-45-G1/8-T-N	45	G1/8	32	14	8	8	12
VV.54014	VVI-45-M6-T-N	45	M6	32	14	8	8	10
VV.54017	VVI-45-M8-T-N	45	M8	32	14	8	8	11
VV.54020	VVI-45-M10-T-N	45	M10	32	14	8	8	12

**VVI-45-T-S**

Code	Description	d	d1	h	h1	s	Volume # [cm3]	⚖️
VV.53024	VVI-45-G1/4-T-S	45	G1/4	32	14	8	8	13
VV.54012	VVI-45-G1/8-T-S	45	G1/8	32	14	8	8	12
VV.54015	VVI-45-M6-T-S	45	M6	32	14	8	8	10
VV.54018	VVI-45-M8-T-S	45	M8	32	14	8	8	11
VV.54021	VVI-45-M10-T-S	45	M10	32	14	8	8	12

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 # 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.

