

Bellows suction pads, 1.5 times

P series (Ø 20 - 50 mm)

Type CR (black)	Type silicone (transparent)	D	Stroke	Connection FT/MT	D1	D2	D3	D4	h	H	Bracket type
VSP 20 B1 CR	VSP 20 B1 Si	20	9	M5/G1/8"	5.5	14.5	11	24	20	29.5	C
VSP 30 B1 CR	VSP 30 B1 Si	32	9	M5/G1/8"	5.5	14.5	17	36	26	35.6	C
VSP 40 B1 CR	VSP 40 B1 Si	42	9	G1/8"/-	6.5	20.0	24	46	28	36.0	D
VSP 50 B1 CR	VSP 50 B1 Si	52	12	G1/8"/-	10.5	27.0	31	58	35	44.0	E

Suitable bracket (must be ordered separately)

Type aluminium	Type retaining ring (optional)	Thread connector	DN	Bracket type
VSPH C18	VSPH C18 HR	M5 FT/G 1/8" MT	3.1	C
VSPH D18 i	VSPH D18 i HR	G 1/8" FT	5.2	D
VSPH E18 i	VSPH E18 i HR	G 1/8" FT	6.3	E

Bellows suction pads, 4.5 times

P series (Ø 20 - 50 mm)

Type CR (black)	Type silicone (transparent)	D	Stroke	Connection FT/MT	D1	D2	D3	h	H	Bracket type
VSP 20 B4 CR	VSP 20 B4 Si	20	16	M5/G1/8"	5.0	14.5	14	23	32.5	C
VSP 30 B4 CR	VSP 30 B4 Si	30	21	G1/8"/-	6.5	20.0	21	32	41.0	D
VSP 40 B4 CR	VSP 40 B4 Si	40	20	G1/8"/-	6.5	20.0	28	42	50.0	D
VSP 50 B4 CR	VSP 50 B4 Si	50	30	G1/8"/-	10.5	27.0	35	51	60.0	E

Suitable bracket (must be ordered separately)

Type aluminium	Type TPU retaining ring (optional)	Thread connector	DN	Bracket type
VSPH C18	VSPH C18 HR	M5 FT/G 1/8" MT	3.1	C
VSPH D18 i	VSPH D18 i HR	G 1/8" FT	5.2	D
VSPH E18 i	VSPH E18 i HR	G 1/8" FT	6.3	E

Flat suction cups with standard lips and vulcanised brackets

Ø 30 - 225 mm

Application: Universal suction cup, double safety lip prevents separation when leakage of the external lip

Type CR (60A) (black)	Type silicone (60A) (red)	D	Stroke (FT)	G	D2	D3	h	H	h1	h2	A	B	DN
VS 30 FK CR*	VS 30 FK Si	30	2.5	M 5	10	18	10	17	3.5	2.5	---	---	3.2
VS 50 FK CR*	VS 50 FK Si	50	4.0	G 1/8"	18	33	11	18	5.5	4.5	---	---	8.8
VS 75 FK CR	VS 75 FK Si	75	5.5	G 1/4"	22	50	15	23	7.0	5.5	---	---	11.8
VS 100 FK NBR**	VS 100 FK Si**	100	10.0	G 3/8"	30	68	20	30	15.5	9.5	---	---	15.2
VS 150 FK CR*	VS 150 FK Si*	150	10.0	G 1/2"	35	100	26	42	12.0	9.0	30	G 1/8"	19.0
VS 225 FK CR*	VS 225 FK Si*	225	8.0	G 3/4"	50	150	34	54	14.0	11.0	50	G 1/8"	24.5

¹material: NBR black, ²transparent, ³grey, * Shore hardness: 55A, ** Shore hardness: 50A

Flat suction cups with robust lips and vulcanised brackets

Ø 60 - 95 mm

Application: Smooth, levelled surfaces

Type NBR (black)	Type silicone (transparent)	D	Stroke	G (FT)	D2	H	h1	DN
VS 60 FSK NBR	VS 60 FSK Si	60	5	G 1/4"	38.5	16	5	11.8
VS 80 FSK NBR	VS 80 FSK Si	80	6	G 1/4"	53.0	18	6	11.8
VS 95 FSK NBR	VS 95 FSK Si	95	6	G 1/4"	68.0	19	6	11.8

Flat suction cups with very fine lips

Ø 40 - 200 mm

Application: Uneven, structured and highly roughened surfaces, e.g. corrugated plate

Type	D	Stroke	Connection FT	D2	D4	h	H (incl. bracket) h3	h4	Materials	Available bracket type
VS 40 FF **	40	3	G 1/8"	26	17.0	12.5	12.5	6	3	L
VS 70 FF **	70	6	G 1/4"	50	32.5	30.0	32.0	18	4	M
VS 100 FF **	100	5	G 1/4"	70	50.5	32.0	33.0	19	5	N
VS 200 FF NRE	200	5	G 1/2"	170	148.0	32.0	34.0	18	5	P

Suitable bracket (must be ordered separately)

Type aluminium	D	D1	h3	h5	G (FT)	DN	Bracket type
VSH L18 i	20	17.5	6	3.0	G 1/8"	8.5	L
VSH M14 i	43	32.0	20	14.3	G 1/4"	11.8	M
VSH N14 i	60	50.0	20	14.0	G 1/4"	11.8	N
VSH P12 i	160	150.0	20	14.0	G 1/2"	19.0	P

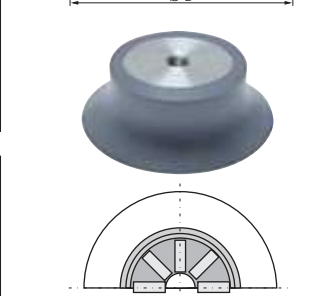
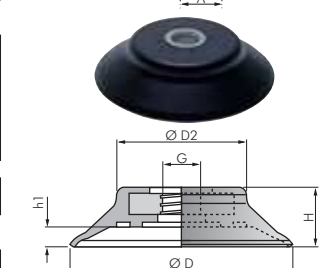
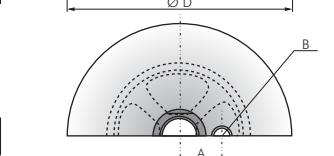
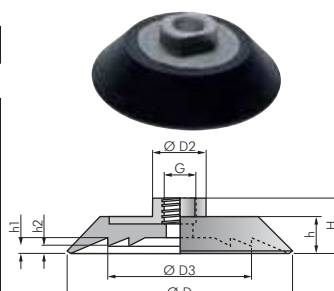
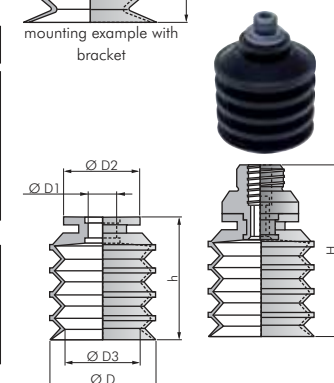
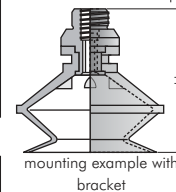
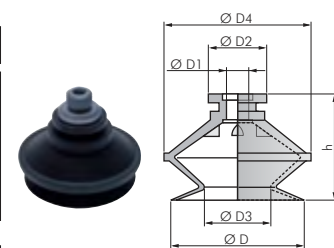
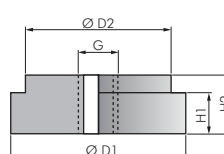
¹45 Shore A, ²40 Shore A, ³35 Shore A

Order example: VS 40 FF **

Standard type

Order suffix for the material:

- Buna reddish brown ...-SBR
- NBR grey ...-NBR
- Silicone transparent ...-SI
- Natural rubber beige ...-NR
- Natural rubber brown ...-NRE



All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.