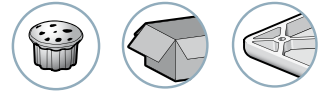


VSA-VS BM

Suction Cups with Foam Ring Seals



Industry-specific applications



Types of use



The VSA and VS series suction cups equipped with VSBM foam rings are suitable for gripping products with rough surfaces. For example...

- sawn wood, sheet metal, flat surfaces with holes.
- Any rough surfaces for which the suction cups' lips do not seal properly.

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VSA-VS BM

Materials
NBR Nitrile **SIT5** Translucent silicone **Si** Silicone

Specifications

Some suction cup models are available with a foam ring:

- **VSA series:** Standard 1.5 bellows suction cups, Ø 20 to 78 mm in nitrile (NBR) or in transparent silicone (SIT5).
- **VS series:** Standard 2.5 bellows suction cups, Ø 20 to 78 mm in nitrile (NBR) or in transparent silicone (SIT5).
- Foam ring in nitrile for nitrile suction cups (good resistance to oil).
- Foam ring in silicone (Si) for transparent suction cups (SIT5) and silicone glue. (Resistant up to 320°F and leaves no marks on gripped products. Do not use for gripping of products before painting or lacquering.)
- Assembling: foam rings are factory-bonded onto suction cup lips.

Suction Cup Properties

Suction Cup	Ø (mm)	Volume (cm³)		Force (lbf) ⁽¹⁾	Material		Suction Cup	Ø (mm)	Volume (cm³)		Force (lbf) ⁽¹⁾	Material	
		NBR	SIT5 / SI		NBR	SIT5 / SI			NBR	SIT5 / SI			
VSA 20	20	-	1.3	1.26	-	VSA20SIT5BM	VS 20	20	-	2.2	1.03	-	VS20SIT5BM
VSA 25	25	-	3.4	1.37	-	VSA25SIT5BM	VS 25	25	-	5.7	1.46	-	VS25SIT5BM
VSA 26	26	-	4.2	2.43	-	VSA26SIT5BM	VS 26	26	-	6.4	2.43	-	VS26SIT5BM
VSA 33	33	6.7	5.3	3.12	-	VSA33NBRBM	VS 32	32	11.9	10.6	2.72	-	VS32NBRBM
VSA 43	43	12.3	10.8	4.54	-	VSA43NBRBM	VS 42	42	22.6	21.1	4.70	-	VS42NBRBM
VSA 53	53	34.8	30.5	9.58	-	VSA53NBRBM	VS 52	52	44.6	40.3	6.50	-	VS52NBRBM
VSA 63	63	52.9	45.9	13.31	-	VSA63NBRBM	VS 62	62	86.4	79.4	9.26	-	VS62NBRBM
VSA 78	78	102.4	87.5	24.68	-	VSA78NBRBM	VS 88	88	201.3	181.1	29.88	-	VS88NBRBM

(1) Actual force of the suction cup in use with a 65% vacuum and including a safety factor of 2 for horizontal handling.

Dimensions

Suction Cup	ØA	Øa	Ød	ØD	B	NBR					SIT5 / SI				
						ØA1	C	H	f ⁽²⁾	(g)	ØA1	C	H	f ⁽²⁾	(g)
VSA 20 ... BM	20	20	4	10	9	-	-	-	-	-	10	2	18	6.0	1.9
VSA 25 ... BM	25	25	4	10	9	-	-	-	-	-	13	2	25	13.0	3.3
VSA 26 ... BM	25	30	8	16	13	-	-	-	-	-	13	2	27	7.0	5
VSA 33 ... BM	32	36.2	8	18	13	22	5	32.5	13.5	7.3	19	2	29.5	12.0	7.5
VSA 43 ... BM	42	46	8	18	13	28	5	33	15.0	12.5	20	5	33	15.0	14
VSA 53 ... BM	53	59	8	18	13	33	10	44	20.0	23.6	33	5	39	17.5	23.7
VSA 63 ... BM	62	67	8	18	13	42	10	44	20.0	27.8	42	5	39	17.5	28.4
VSA 78 ... BM	78	83	12	25	20	58	10	56.8	19.0	62.1	54	5	51.8	16.5	63.6
VS 20 ... BM	20	-	4	10	9	-	-	-	-	-	10	2	25	11.0	2.6
VS 25 ... BM	25	-	4	10	9	-	-	-	-	-	13	2	36	21.0	4.6
VS 26 ... BM	25	-	8	16	13	-	-	-	-	-	13	2	33	12.0	6.6
VS 32 ... BM	32	-	8	18	13	22	5	42.5	17.0	9.3	19	2	39.5	15.5	9.5
VS 42 ... BM	42	-	8	18	13	28	5	51	24.5	18.9	20	5	51	24.5	20.4
VS 52 ... BM	53	-	8	18	13	33	10	59	32.0	26.9	33	5	54	29.5	27
VS 62 ... BM	62	-	8	21	13	42	10	65	36.0	37.1	42	5	60	33.5	40.5
VS 88 ... BM	88	-	12	25	20	68	10	97.5	53.5	123.6	64	5	92.5	51.0	125.4

(2) f = Deflection of the suction cup.

Note: All dimensions are in mm.

The values represent the average characteristics of our products.



Please specify the part n°. e.g. VS42NBRBM
 See part n° table above

Selection of fittings: please refer to fittings which are available in the suction cup series. VSA series: page 2/25, VS series: page 2/43.