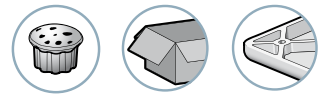


VSA-VS BM

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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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 160°C 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

Icon	Ø (mm)	Volume (cm³)		Force (N) ⁽¹⁾	Material		Icon	Ø (mm)	Volume (cm³)		Force (N) ⁽¹⁾	Material		
		NBR	SIT5 / SI		NBR	SIT5 / SI			NBR	SIT5 / SI				
VSA 20	20	-	1.3	5.6	-	VSA20SIT5BM	VS 20	20	-	2.2	4.6	-	VS20SIT5BM	
	25	-	3.4	6.1	-	VSA25SIT5BM		VS 25	25	-	5.7	6.5	-	VS25SIT5BM
	26	-	4.2	10.8	-	VSA26SIT5BM		VS 26	26	-	6.4	10.8	-	VS26SIT5BM
VSA 33	33	6.7	5.3	13.9	VSA33NBRBM	VSA33SIT5BM	VS 32	32	11.9	10.6	12.1	VS32NBRBM	VS32SIT5BM	
	43	12.3	10.8	20.2	VSA43NBRBM	VSA43SIT5BM		VS 42	42	22.6	21.1	20.9	VS42NBRBM	VS42SIT5BM
VSA 53	53	34.8	30.5	42.6	VSA53NBRBM	VSA53SIT5BM	VS 52	52	44.6	40.3	28.9	VS52NBRBM	VS52SIT5BM	
	63	52.9	45.9	59.2	VSA63NBRBM	VSA63SIT5BM		VS 62	62	86.4	79.4	41.2	VS62NBRBM	VS62SIT5BM
VSA 78	78	102.4	87.5	109.8	VSA78NBRBM	VSA78SIT5BM	VS 88	88	201.3	181.1	132.9	VS88NBRBM	VS88SIT5BM	

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

Dimensions

VSA-BM 20-78	NBR						SIT5 / SI									
	ØA	Øa	Ød	ØD	B	ØA1	C	H	f ⁽²⁾	Weight (g)	ØA1	C	H	f ⁽²⁾	Weight (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-BM 20-88	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.

VSA-VS BM