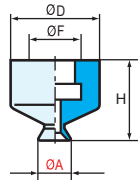
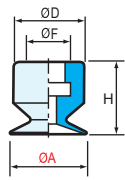


Vacuum Cups VSH Series(Flat type)

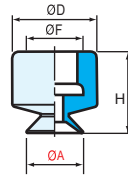
VSH-S2...VSH-S10



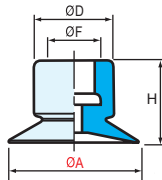
VSH-S12...VSH-S30



VSH-M4...VSH-M10



VSH-M12...VSH-M50

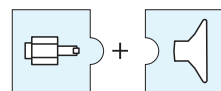


		$\Delta(N)^{(1)}$	$\Delta(N)^{(1)}$	$\varnothing A(mm)$	H(mm)	$\varnothing D(mm)$	$\varnothing F(mm)$	SI(Translucent)	SP(Sponge)
VSH-S2		0.5	0.1	2	13	11	7	1.Y07282	-
VSH-S4		0.7	0.2	4	10	10	7	1.Y07283	-
VSH-S6		0.9	0.3	6	10	10	7	1.Y07284	-
VSH-S8		1.1	0.5	8	10	10	7	1.Y07285	-
VSH-S10		1.6	0.8	10	10	10	7	1.Y07286	-
VSH-S12		2.0	1.5	12	12	10	7	1.Y07287	-
VSH-S15		3.7	1.8	15	12.5	11	7	1.Y07288	-
VSH-S20		6.1	3.0	20	13	12	7	1.Y07289	-
VSH-S25		9.4	4.7	25	13	13	7	1.Y07290	-
VSH-S30		15.9	7.9	30	13	13	7	1.Y07291	-
VSH-M4		0.7	0.2	4	15	15	11	1.Y07292	-
VSH-M6		0.9	0.3	6	15	15	11	1.Y07293	-
VSH-M8		1.1	0.5	8	15	15	11	1.Y07294	-
VSH-M10		1.6	0.8	10	15	15	11	1.Y07295	1.Y12885
VSH-M12		2.0	1.5	12	15	15	11	1.Y07296	1.Y12886
VSH-M15		3.7	1.8	15	15	15	11	1.Y07297	1.Y12887
VSH-M20		6.1	3.0	20	15	15	11	1.Y07298	1.Y07530
VSH-M25		9.4	4.7	25	15	15	11	1.Y07299	1.Y12888
VSH-M30		15.9	7.9	30	15	16	11	1.Y07300	1.Y07758
VSH-M40		26.7	13.4	40	15	17	11	1.Y07301	1.Y07894
VSH-M50		38.3	19.1	50	15	20	11	1.Y07302	1.Y07895

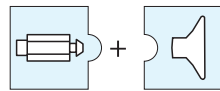
(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.



	Vacuum Cup Fitting		Vacuum Cups
	VM11-M5, VM11-G18 VFS Series Stem VFST Series Stem		VSH-S2~VSH-S30
	VM10-G 1/8, VM27-M5 VFM Series Stem VFMT Series Stem		VSH-M4~VSH-M50



Factory-crimped fitting



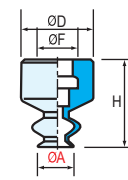
Hollow shaft fitting

Technical Parameters

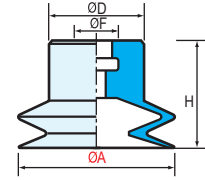
Materials	Shore Hardness	A Flexibility	Abrasion resistance	UV & weather resistance	Oil resistance	Heat resistance (in °C)	
SI: Translucent Silicone	50	+++	-	-	-	-40 to 220	Translucent

Vacuum Cups VSH2 Series(Bellows type/2 layers)

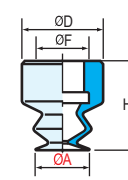
VSH2-S4...VSH2-S20



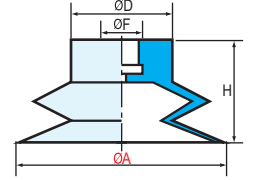
VSH2-S25...VSH2-S30



VSH2-M6...VSH2-M25



VSH2-M30...VSH2-M50

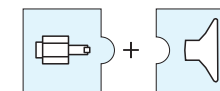


		$\Delta(N)^{(1)}$	$\Delta(N)^{(1)}$	$\varnothing A(mm)$	H(mm)	$\varnothing D(mm)$	$\varnothing F(mm)$	SI(Translucent)	SP(Sponge)
VSH2-S4		0.3	0.1	4	15	12	7	1.Y07303	-
VSH2-S6		0.5	0.2	6	15	12	7	1.Y07304	-
VSH2-S8		1.2	0.7	8	15	12	7	1.Y07305	-
VSH2-S10		1.7	0.9	10	15	12	7	1.Y07306	-
VSH2-S12		2.5	1.3	12	15	12	7	1.Y07307	-
VSH2-S15		2.7	1.3	15	17	15	7	1.Y07308	-
VSH2-S20		5.6	2.8	20	16.5	15	7	1.Y07309	-
VSH2-S25		7.9	4.0	25	18	15	7	1.Y07310	-
VSH2-S30		12.0	6.0	30	20	15	7	1.Y07311	-
VSH2-M6		0.5	0.2	6	18	15	11	1.Y07312	-
VSH2-M8		1.2	0.7	8	17	15	11	1.Y07313	-
VSH2-M10		1.7	0.9	10	17	15	11	1.Y07314	1.Y08294
VSH2-M12		2.5	1.3	12	17	15	11	1.Y07315	1.Y08295
VSH2-M15		2.7	1.3	15	18	15	11	1.Y07316	1.Y08296
VSH2-M20		5.6	2.8	20	18	15	11	1.Y07317	1.Y07929
VSH2-M25		7.9	4.0	25	18	15	11	1.Y07318	1.Y08349
VSH2-M30		12	6.0	30	19	18	11	1.Y07319	1.Y08056
VSH2-M35		13.9	6.9	35	24	18	11	1.Y07320	-
VSH2-M40		20.2	10.1	40	22	23	11	1.Y07321	1.Y08104
VSH2-M50		40.0	20.0	50	25	22	11	1.Y07322	1.Y08105

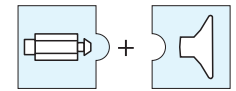
(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.



	Vacuum Cup Fitting		Vacuum Cups
	VM11-M5, VM11-G18 VFS Series Stem VFST Series Stem		VSH2-S4~VSH2-S30
	VM10-G 1/8, VM27-M5 VFM Series Stem VFMT Series Stem		VSH2-M6~VSH2-M50



Factory-crimped fitting



Hollow shaft fitting

Technical Parameters

Materials	Shore Hardness	A Flexibility	Abrasion resistance	UV & weather resistance	Oil resistance	Heat resistance (in °C)	
SI: Translucent Silicone	50	+++	-	-	-	-40 to 220	Translucent