Gripper and vacuum technology → Vacuum suction grippers

Series BSG

► F = 0.95 - 137.4 N ► external diameter: 10.4 - 74 mm ► external thread

00121326

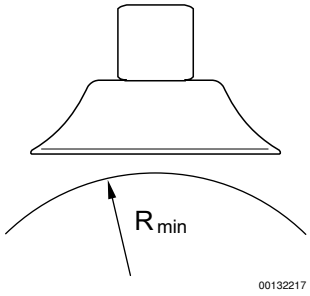
Ambient temperature min./max.	-10°C / +70°C
Min./max. temporary ambient temperature (<30 s)	-30°C / +120°C
Hardness according to standard ISO 7619-1:2010	55 ± 5 Shore A
Abrasion value according to DIN 535 16 ISO 4649:2002	100-120 mm³
Materials:	
Connector	Aluminum
Vacuum	Acrylonitrile Butadiene Rubber

Technical Remarks
■ To be used on uneven, sensitive, and smooth to slightly rough surfaces.

	Compressed air connection	external diameter	Holding force*)	Separation force	Volume	Max. curving on object Rmin	Weight	Delivery unit	Part No.
		[mm]	[N]	[N]	[cm³]	[mm]	[kg]		
	G 1/8	10.4	0.95	3.8	0.23	10	0.005	2	**1820415031**
	G 1/8	15.6	2.3	6.7	0.75	20	0.006	2	**1820415035**
	G 1/8	20	5.7	15.2	1.4	25	0.006	1	**1820415039**
	G 1/4	30	13.6	39.6	4.75	40	0.016	1	1820415043
	G 1/4	38	22.8	64.5	9.25	60	0.019	1	1820415047
	G 1/4	50	51.3	95	26.25	75	0.027	1	**1820415051**
	G 1/4	74	137.4	218	76	70	0.071	1	1820415055

*) Theoretical value at 60% vacuum level, without safety factor

Max. curving on object Rmin



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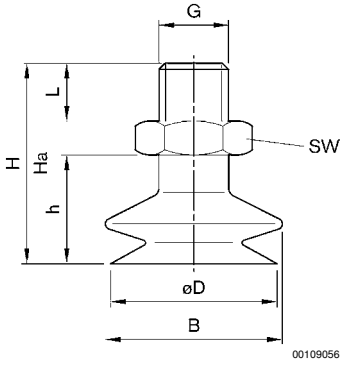
Dimensions



Part No.	ØD	G	Ha*)	H	h	B	SW	L				
1820415031	10.4	G 1/8	25.5	29.5	16	12	14	7.5				
1820415035	15.6	G 1/8	25.5	32.5	19	17	14	7.5				
1820415039	20	G 1/8	27.5	32.5	19	24	14	7.5				
1820415043	30	G 1/4	33	42	27	36	17	11				
1820415047	38	G 1/4	33	43	28	46	17	11				
1820415051	50	G 1/4	37	49	34	59	17	11				
1820415055	74	G 1/4	50	64	47	83	21	11				

*) Height for vacuum operation