

Bellow suction gripper, BSG series

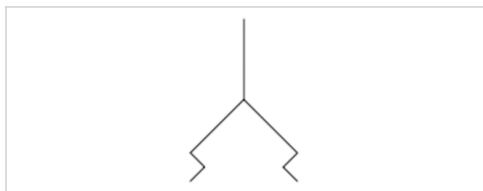
- F = 0.95-137.4 N

- external diameter 10.4-74 mm

- External thread



Ambient temperature min./max. -10 ... 70 °C
 Min./max. temporary ambient temperature (30 s) -30 ... 120 °C
 Hardness according to standard 55 ± 5 Shore A
 Abrasion value according to DIN 535 16 100-120 mm³
 Weight See table below



Technical data

Part No.	Compressed air connection	external diameter	Holding force	Separation force	Volume
			*)		
1820415031	G 1/8	10,4 mm	0,95 N	3,8 N	0,23 cm³
1820415035	G 1/8	15,6 mm	2,3 N	6,7 N	0,75 cm³
1820415039	G 1/8	20 mm	5,7 N	15,2 N	1,4 cm³
1820415043	G 1/4	30 mm	13,6 N	39,6 N	4,75 cm³
1820415047	G 1/4	38 mm	22,8 N	64,5 N	9,25 cm³
1820415051	G 1/4	50 mm	51,3 N	95 N	26,25 cm³
1820415055	G 1/4	74 mm	137,4 N	218 N	76 cm³

Part No.	Max. curving on object Rmin	Delivery unit	Weight
1820415031	10 mm	2 piece	0,005 kg
1820415035	20 mm	2 piece	0,006 kg
1820415039	25 mm	1 piece	0,006 kg
1820415043	40 mm	1 piece	0,016 kg
1820415047	60 mm	1 piece	0,019 kg
1820415051	75 mm	1 piece	0,027 kg
1820415055	70 mm	1 piece	0,071 kg

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

Technical information

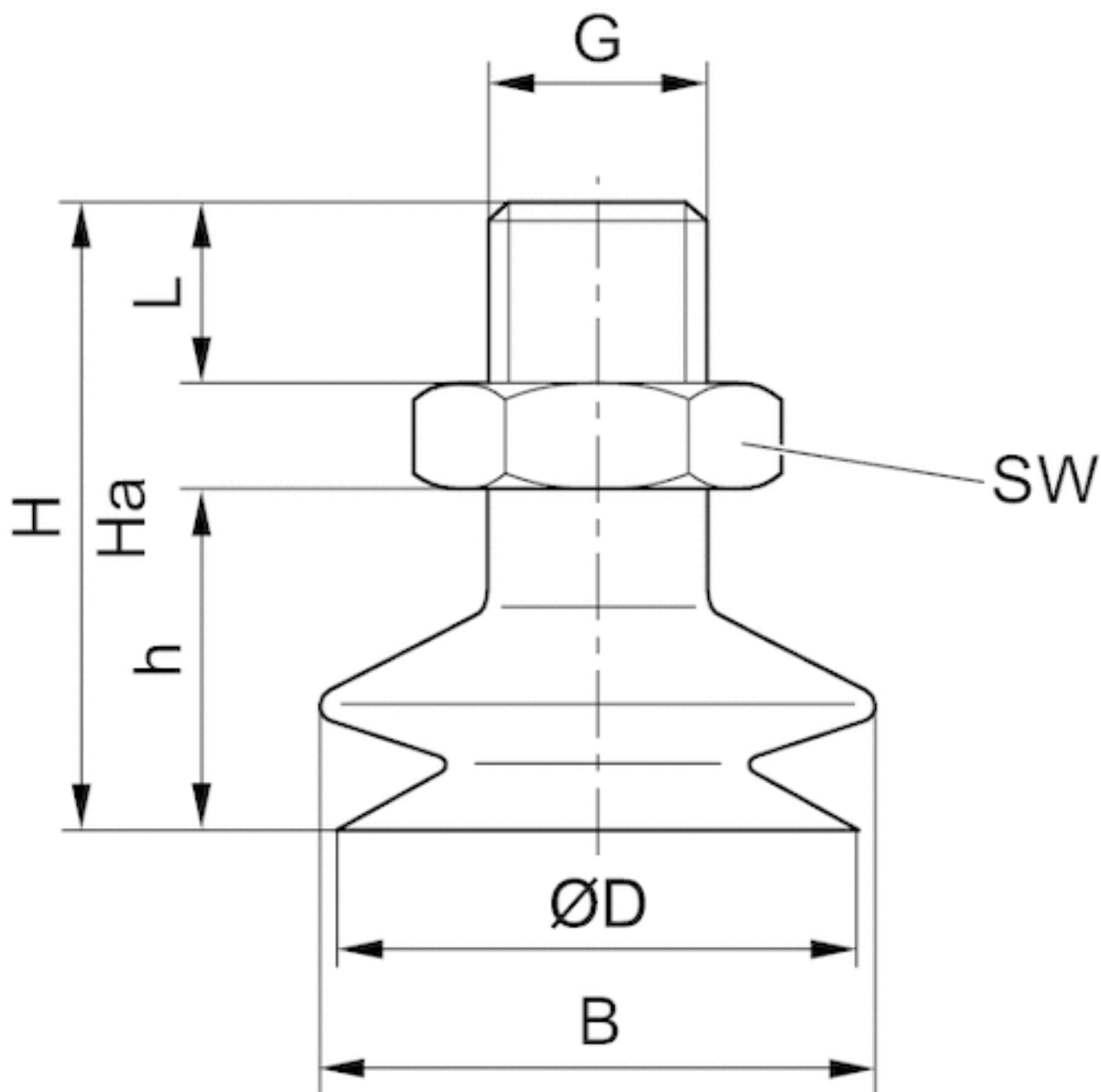
To be used on uneven, sensitive, and smooth to slightly rough surfaces.

Technical information

Material	
Connector	Aluminum
Vacuum	Acrylonitrile butadiene rubber

Dimensions

Dimensions



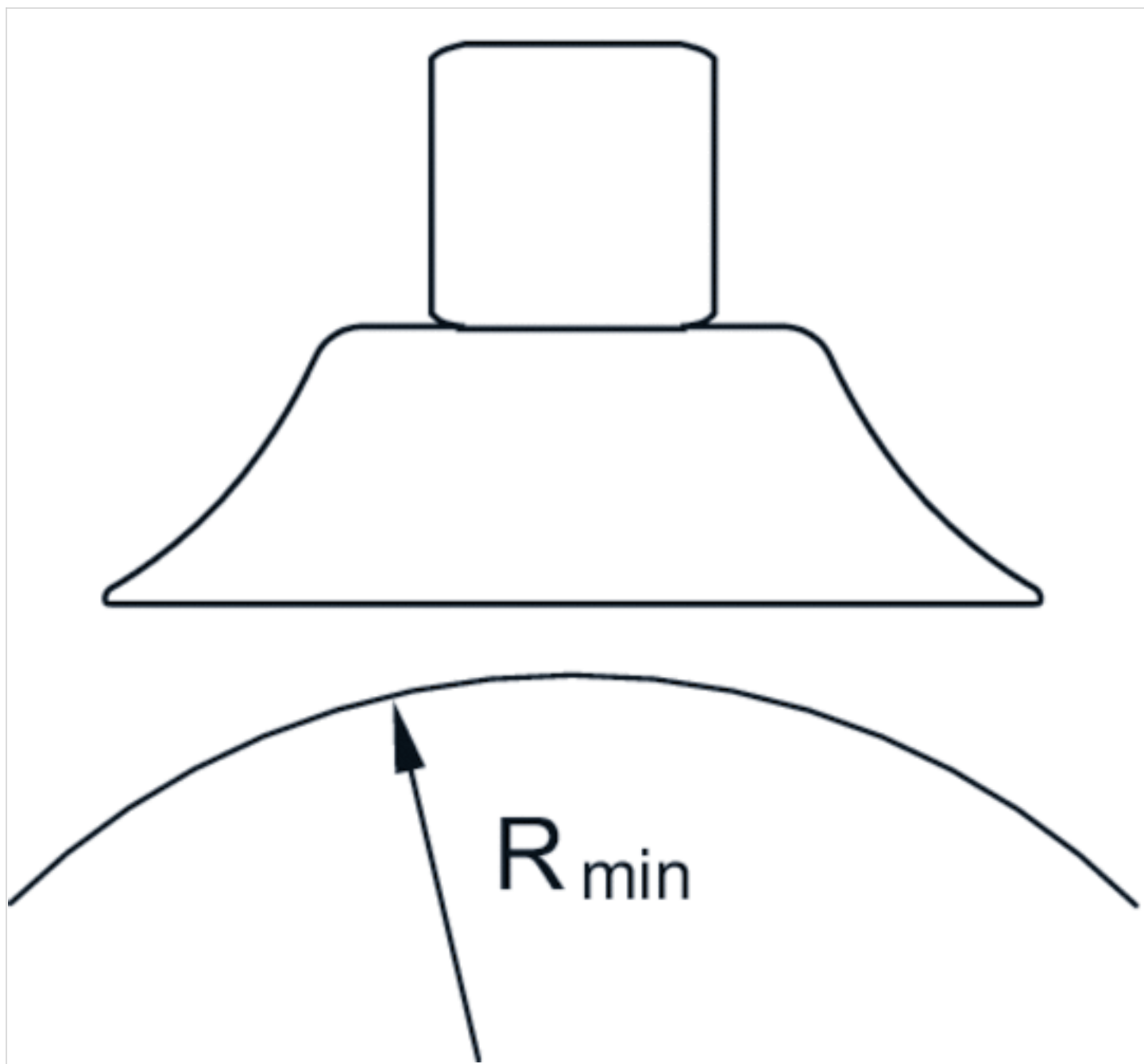
Dimensions

Part No.	ØD	G	Ha*)	H	h	B	SW	L
1820415031	10,4 mm	G 1/8	25.5	29.5	16	12	14	7.5
1820415035	15,6 mm	G 1/8	25.5	32.5	19	17	14	7.5
1820415039	20 mm	G 1/8	27.5	32.5	19	24	14	7.5
1820415043	30 mm	G 1/4	33	42	27	36	17	11
1820415047	38 mm	G 1/4	33	43	28	46	17	11
1820415051	50 mm	G 1/4	37	49	34	59	17	11
1820415055	74 mm	G 1/4	50	64	47	83	21	11

*) Height for vacuum operation

Diagrams

Max. curving on object R_{min}



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2020-12



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