

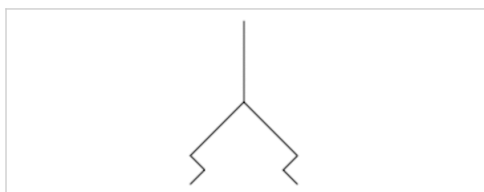
# Bellow suction gripper, BSG series

- F = 0.95-137.4 N

- external diameter 10.4-74 mm

- External thread

- Heat resistant



Ambient temperature min./max.	-30 ... 180 °C
Min./max. temporary ambient temperature (30 s)	-50 ... 220 °C
Hardness according to standard	55 ± 5 Shore A
Abrasion value according to DIN 535 16	180-200 mm <sup>3</sup>
Weight	See table below

## Technical data

Part No.	Compressed air connection	external diameter	Holding force	Separation force	Volume
			*)		
1820415029	G 1/8	10,4 mm	0,95 N	3,8 N	0,23 cm <sup>3</sup>
1820415033	G 1/8	15,6 mm	2,3 N	6,7 N	0,75 cm <sup>3</sup>
1820415037	G 1/8	20 mm	5,7 N	15,2 N	1,4 cm <sup>3</sup>
1820415041	G 1/4	30 mm	13,6 N	39,6 N	4,75 cm <sup>3</sup>
1820415045	G 1/4	38 mm	22,8 N	64,5 N	9,25 cm <sup>3</sup>
1820415049	G 1/4	50 mm	51,3 N	95 N	26,25 cm <sup>3</sup>
1820415053	G 1/4	74 mm	137,4 N	218 N	76 cm <sup>3</sup>

Part No.	Max. curving on object Rmin	Delivery unit	Weight
1820415029	10 mm	2 piece	0,005 kg
1820415033	20 mm	2 piece	0,006 kg
1820415037	25 mm	1 piece	0,006 kg
1820415041	40 mm	1 piece	0,016 kg
1820415045	60 mm	1 piece	0,019 kg
1820415049	75 mm	1 piece	0,027 kg
1820415053	70 mm	1 piece	0,071 kg

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

## Technical information

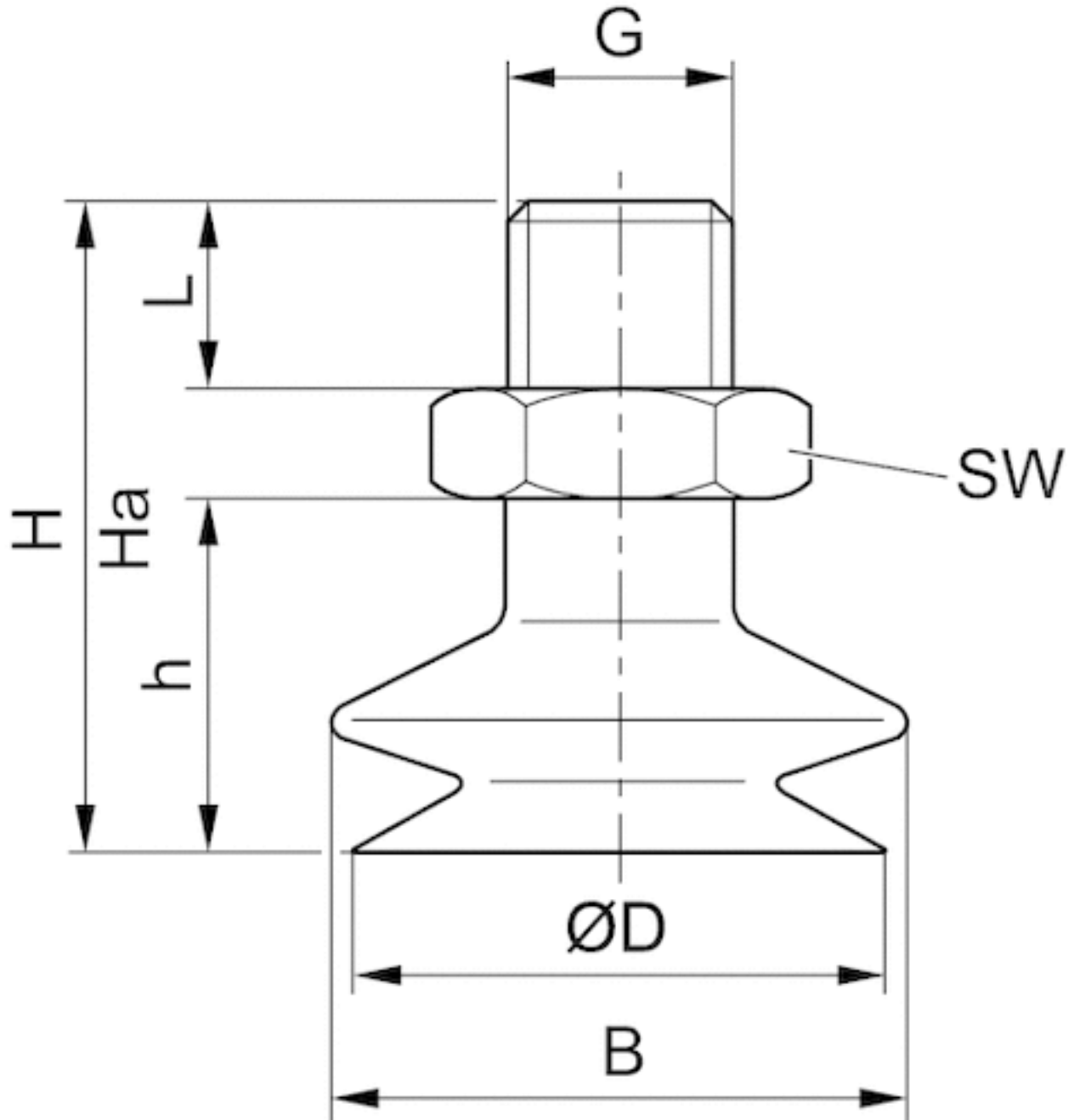
To be used on uneven, sensitive, and smooth to slightly rough surfaces.

## Technical information

Material	
Connector	Aluminum
Vacuum	Fluoromethyl silicone

## Dimensions

## Dimensions



## Dimensions

Part No.	ØD	G	Ha*)	H	h	B	SW	L
1820415029	10,4 mm	G 1/8	25.5	29.5	16	12	14	7.5
1820415033	15,6 mm	G 1/8	25.5	32.5	19	17	14	7.5
1820415037	20 mm	G 1/8	27.5	32.5	19	24	14	7.5
1820415041	30 mm	G 1/4	33	42	27	36	17	11
1820415045	38 mm	G 1/4	33	43	28	46	17	11
1820415049	50 mm	G 1/4	37	49	34	59	17	11
1820415053	74 mm	G 1/4	50	64	47	83	21	11

\*) Height for vacuum operation

## Diagrams

### Max. curving on object Rmin

