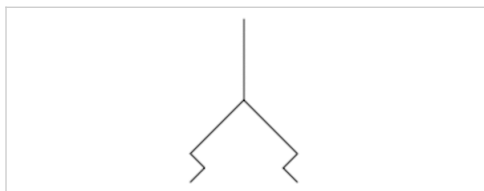


Flat suction gripper, Series FSG

- F = 9-842 N
- external diameter 15-147.5 mm
- Internal 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	Volume	Max. curving on object Rmin
			*)		
1820455065	G 1/8	15 mm	9 N	0.4 cm³	13 mm
1820455069	G 1/8	20 mm	15.5 N	0.8 cm³	20 mm
1820455073	G 1/8	25 mm	26.5 N	1.3 cm³	25 mm
1820455077	G 1/8	28.8 mm	34 N	1.3 cm³	40 mm
1820455081	G 1/8	35 mm	44 N	2.7 cm³	50 mm
1820455085	G 1/8	40 mm	57.7 N	3.8 cm³	50 mm
1820455089	G 1/8	50 mm	91 N	7 cm³	75 mm
1820455093	G 1/4	60 mm	125 N	10 cm³	100 mm
1820455097	G 1/4	80 mm	260 N	25 cm³	150 mm
1820455101	G 1/4	95 mm	350 N	35 cm³	200 mm
1820415165	G 1/2	120 mm	540 N	77.8 cm³	300 mm
1820415167	G 1/2	147.5 mm	842 N	176.3 cm³	300 mm

Part No.	Delivery unit	Weight
1820455065	2 piece	0.004 kg
1820455069	1 piece	0.006 kg
1820455073	1 piece	0.008 kg
1820455077	1 piece	0.009 kg
1820455081	1 piece	0.012 kg
1820455085	1 piece	0.014 kg
1820455089	1 piece	0.017 kg

Part No.	Delivery unit	Weight
1820455093	1 piece	0.037 kg
1820455097	1 piece	0.065 kg
1820455101	1 piece	0.105 kg
1820415165	1 piece	0.353 kg
1820415167	1 piece	0.521 kg

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

Technical information

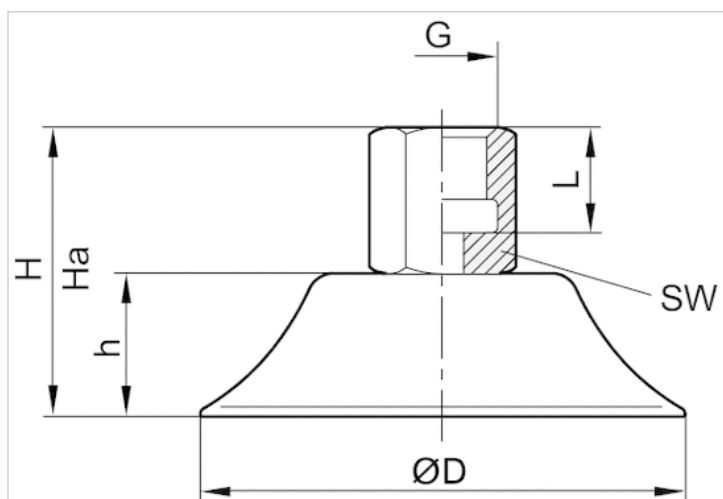
To be used on even and smooth to slightly rough surfaces.

Technical information

Material	
Connector	Aluminum
Vacuum	Acrylonitrile butadiene rubber

Dimensions

Dimensions



Dimensions

Part No.	ØD	G	Ha*)	H	h	L	SW
1820455065	15 mm	G 1/8	22.1	24	8	13	14
1820455069	20 mm	G 1/8	23.7	26	10	13	14
1820455073	25 mm	G 1/8	27	30	14	13	14
1820455077	28.8 mm	G 1/8	26	28	12	13	14
1820455081	35 mm	G 1/8	27	30	14	13	14
1820455085	40 mm	G 1/8	26.5	30	14	13	14
1820455089	50 mm	G 1/8	27	31	15	13	14