Gripper and vacuum technology → Vacuum suction grippers

Flat suction gripper, Series FSG

► F = 8.5 - 350 N ► external diameter: 14.5 - 95 mm ► external thread ► low-wear



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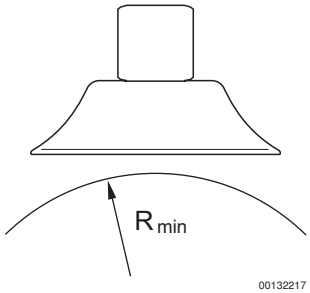
Ambient temperature min./max.	-40 °C / +80 °C
Min./max. temporary ambient temperature (<30 s)	-40 °C / +100 °C
Hardness according to standard ISO 7619-1:2004	72 ± 5 Shore A
Abrasion value according to DIN 535 16 ISO 4649:2002	10-12 mm³
Materials:	
Connector	Aluminum
Vacuum	Polyurethane

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

	Compressed air connection	external diameter	Holding force*)	Volume	Max. curving on object Rmin	Weight	Delivery unit	Part No.
		[mm]	[N]	[cm³]	[mm]	[kg]	[Piece(s)]	
	G 1/8	14.5	8.5	0.5	15	0.0064	1	**1820455012**
	G 1/8	30	32	1.7	25	0.0064		**1820455013**
	G 1/4	50	95	6	75	0.0149		**1820455015**
	G 1/4	60	130	15	75	0.0211		1820415173
	G 1/4	80	260	30	100	0.0472		**1820455018**
	G 1/4	95	350	42	140	0.0728		**1820455111**

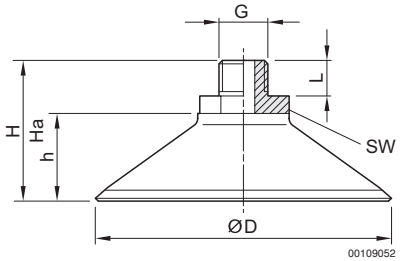
*) Theoretical value at 60% vacuum level, without safety factor

Max. curving on object Rmin



00132217

Dimensions



00109052

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Part No.	ØD	G	H	Ha*)	h	L	SW					
1820455012	14.5	G 1/8	22.5	21	9.5	8	14					
1820455013	30	G 1/8	26	23	13	8	14					
1820455015	50	G 1/4	32	27.5	17	10	17					
1820415173	60	G 1/4	33.5	27.5	18.5	10	17					
1820455018	80	G 1/4	40	34	25	10	22					
1820455111	95	G 1/4	40	34	25	10	22					

*) Height for vacuum operation