Oval flat vacuum cups for dynamic handling of oily and dry metal sheets – SM-OF

EXCEPTIONALLY LONG LIFETIME

Product notes

Robust, oval NBR flat vacuum cups, 60° Shore A with vulcanized fittings made of aluminum.
Large area, multi-part anti-slip cleats.
Various connection threads available.
PWIS-conform to guideline VDMA 24364 test category A1.

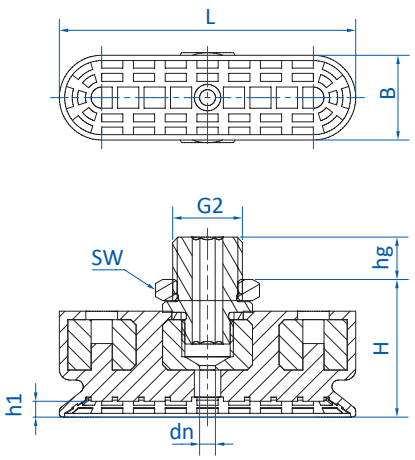
Advantage

> Exceptionally long lifetime – maximizes number of cycles and thus significantly reduces the costs of operation
> Slip-free handling of oily and dry metal sheets due to anti-slip cleats. Good absorption of shear forces
> Internal supports prevent deep drawing or deformation of thin sheets
> Leak-free suction even with curved surfaces due to flexible sealing lip
> Ideally suited for use in constricted spaces

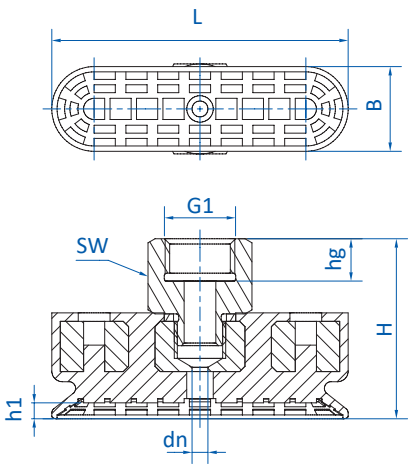
Technical data

Model / Lip dimensions	Thread (Aluminium)						
	G1/4-male	G1/4-female	G3/8-female	M10-male	M14x1.5-male	Rectangular adapter	
SM-OF-55x16	130.55x16.140.1	130.55x16.141.1	130.55x16.142.1	130.55x16.143.1	130.55x16.144.1	130.55x16.145.1	3
SM-OF-65x20	130.65x20.146.1	130.65x20.147.1	130.65x20.148.1	130.65x20.149.1	130.65x20.150.1	130.65x20.151.1	3
SM-OF-95x30	130.95x30.152.1	130.95x30.153.1	130.95x30.154.1	130.95x30.155.1	130.95x30.156.1	130.95x30.157.1	3
SM-OF-85x40	130.85x40.158.1	130.85x40.159.1	130.85x40.160.1	130.85x40.161.1	130.85x40.162.1	130.85x40.163.1	4
SM-OF-105x50	130.105x50.164.1	130.105x50.165.1	130.105x50.166.1	130.105x50.167.1	130.105x50.168.1	130.105x50.169.1	5
SM-OF-125x60	130.125x60.170.1	130.125x60.171.1	130.125x60.172.1	130.125x60.173.1	130.125x60.174.1	130.125x60.175.1	6
SM-OF-145x70	130.145x70.176.1	130.145x70.177.1	130.145x70.178.1	130.145x70.179.1	130.145x70.180.1	130.145x70.181.1	7

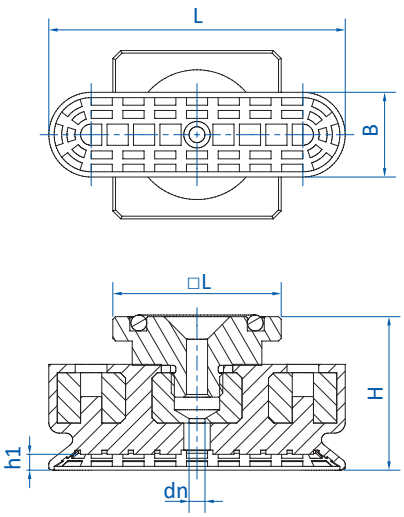
Dimensions



Drawing A



Drawing B



Drawing C

* = Details see "Additional sizes"

Item no.	Drawing	G1 (female)	G2 (male)	L [mm]	L max.* [mm]	B [mm]	B max.* [mm]	dn	□L [mm]	H [mm]	h1 [mm]	hg [mm]	SW
130.55x16.140.1	A	--	G1/4	56	58.7	16	19.2	SW5	--	26	3	8	17
130.55x16.141.1	B	G1/4	--	56	58.7	16	19.2	Ø 6 mm	--	34	3	8	17
130.55x16.142.1	B	G3/8	--	56	58.7	16	19.2	Ø 6 mm	--	34	3	8	22
130.55x16.143.1	A	--	M10	56	58.7	16	19.2	SW5	--	26	3	12	17
130.55x16.144.1	A	--	M14x1.5	56	58.7	16	19.2	SW5	--	28	3	12	22
130.55x16.145.1	C	--	--	56	58.7	16	19.2	Ø 4 mm	31.8	29	3	--	--
130.65x20.146.1	A	--	G1/4	66	68.8	23	25.7	SW5	--	18	3	8	17
130.65x20.147.1	B	G1/4	--	66	68.8	23	25.7	Ø 6 mm	--	26	3	8	17
130.65x20.148.1	B	G3/8	--	66	68.8	23	25.7	Ø 6 mm	--	26	3	8	22
130.65x20.149.1	A	--	M10	66	68.8	23	25.7	SW5	--	18	3	12	17
130.65x20.150.1	A	--	M14x1.5	66	68.8	23	25.7	SW5	--	20	3	12	22
130.65x20.151.1	C	--	--	66	68.8	23	25.7	Ø 4 mm	31.8	21	3	--	--

Series | Oval vacuum cups SO

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Item no.	Drawing	G1 (female)	G2 (male)	L [mm]	L max.* [mm]	B [mm]	B max.* [mm]	dn	□L [mm]	H [mm]	h1 [mm]	hg [mm]	SW
130.95x30.152.1	A	--	G1/4	96	100.4	32	35.2	SW5	--	19	3	8	17
130.95x30.153.1	B	G1/4	--	96	100.4	32	35.2	Ø 6 mm	--	27	3	8	17
130.95x30.154.1	B	G3/8	--	96	100.4	32	35.2	Ø 6 mm	--	27	3	8	22
130.95x30.155.1	A	--	M10	96	100.4	32	35.2	SW5	--	19	3	12	17
130.95x30.156.1	A	--	M14x1.5	96	100.4	32	35.2	SW5	--	21	3	12	22
130.95x30.157.1	C	--	--	96	100.4	32	35.2	Ø 4 mm	31.8	22	3	--	--
130.85x40.158.1	A	--	G1/4	86	89.9	40	44	SW5	--	20	4	8	17
130.85x40.159.1	B	G1/4	--	86	89.9	40	44	Ø 6 mm	--	28	4	8	17
130.85x40.160.1	B	G3/8	--	86	89.9	40	44	Ø 6 mm	--	28	4	8	22
130.85x40.161.1	A	--	M10	86	89.9	40	44	SW5	--	20	4	12	17
130.85x40.162.1	A	--	M14x1.5	86	89.9	40	44	SW5	--	22	4	12	22
130.85x40.163.1	C	--	--	86	89.9	40	44	Ø 4 mm	31.8	23	4	--	--
130.105x50.164.1	A	--	G1/4	106	111.2	50	55.2	SW6	--	22	5	8	17
130.105x50.165.1	B	G1/4	--	106	111.2	50	55.2	Ø 8 mm	--	30	5	8	17
130.105x50.166.1	B	G3/8	--	106	111.2	50	55.2	Ø 8 mm	--	30.5	5	9	22
130.105x50.167.1	A	--	M10	106	111.2	50	55.2	SW5	--	22	5	12	17
130.105x50.168.1	A	--	M14x1.5	106	111.2	50	55.2	SW6	--	24	5	12	22
130.105x50.169.1	C	--	--	106	111.2	50	55.2	Ø 6 mm	31.8	25	5	--	--
130.125x60.170.1	A	--	G1/4	126	132	60	66	SW6	--	24	6	8	17
130.125x60.171.1	B	G1/4	--	126	132	60	66	Ø 8 mm	--	32	6	8	17
130.125x60.172.1	B	G3/8	--	126	132	60	66	Ø 8 mm	--	32.5	6	9	22
130.125x60.173.1	A	--	M10	126	132	60	66	SW5	--	24	6	12	17
130.125x60.174.1	A	--	M14x1.5	126	132	60	66	SW6	--	26	6	12	22
130.125x60.175.1	C	--	--	126	132	60	66	Ø 6 mm	31.8	27	6	--	--
130.145x70.176.1	A	--	G1/4	146	154	70	77.7	SW6	--	25	7	8	17
130.145x70.177.1	B	G1/4	--	146	154	70	77.7	Ø 8 mm	--	33	7	8	17
130.145x70.178.1	B	G3/8	--	146	154	70	77.7	Ø 8 mm	--	33.5	7	9	22
130.145x70.179.1	A	--	M10	146	154	70	77.7	SW5	--	25	7	12	17
130.145x70.180.1	A	--	M14x1.5	146	154	70	77.7	SW6	--	27	7	12	22
130.145x70.181.1	C	--	--	146	154	70	77.7	Ø 6 mm	31.8	28	7	--	--

* aspirated condition