

## Série FSO



**AVENTICS™**

**AVENTICS série FSO Garras de  
sucção planas**

  
**EMERSON™**

## Série FSO

AVENTICS série FSO é uma linha de ventosas de sucção ovais planas, ideais para peças de trabalho longas e cilíndricas. Graças ao formato oval, a superfície de contato disponível para estabelecer o vácuo é maior e otimizada.



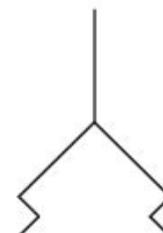
## Visão geral dos produtos

### Ventosa oval

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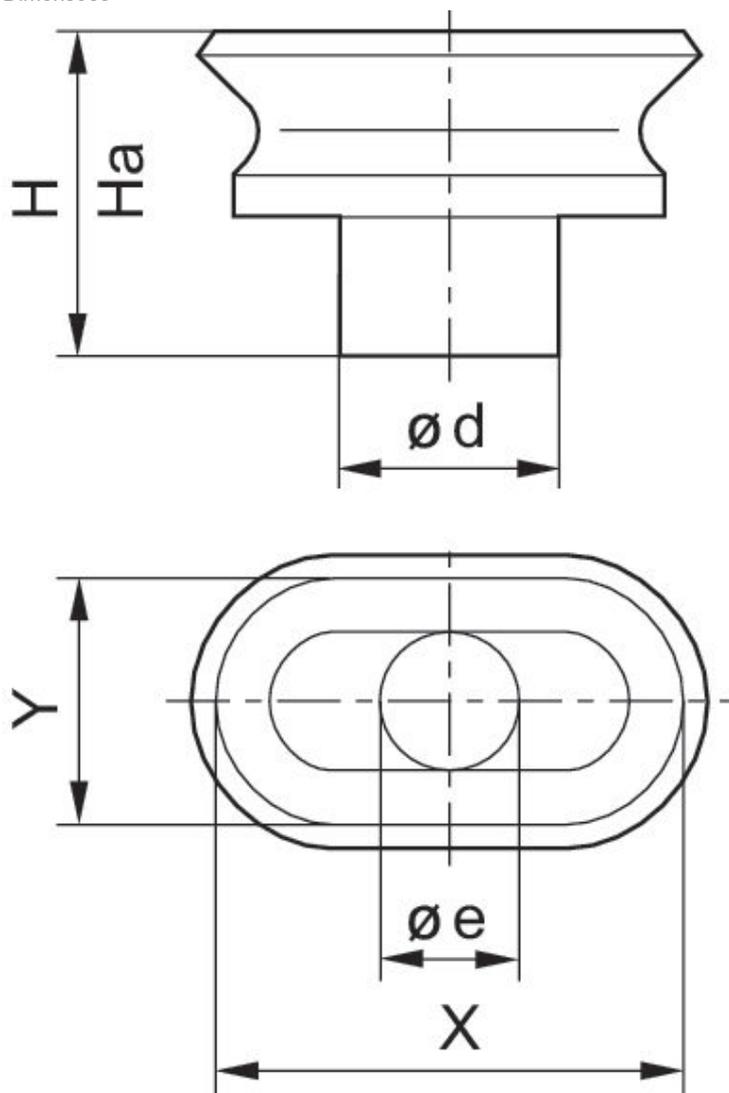
**Ventosa oval, Série FSO**

Temperatura ambiente mín./máx.: -10 °C ... 70 °C



Força de retenção [N]	Volume [cm³]	Unidade de fornecimento [Peça]	Peso [kg]	N° de material
0.42	0.004	5	0.001	1820455109
1	0.019	5	0.001	1820455110

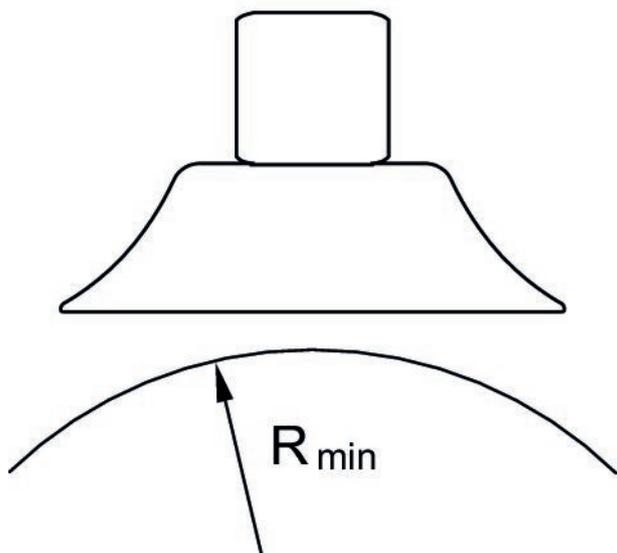
Dimensões



N° de material	X	Y	$\varnothing e$	$\varnothing d$	Ha*)	H
1820455109	4.2	2.2	1.2	2.2	2.5	3
1820455110	7	3.5	1.5	3.5	3.7	4.5

\*) altura com funcionamento a vácuo

Curvatura máx. do objeto R min



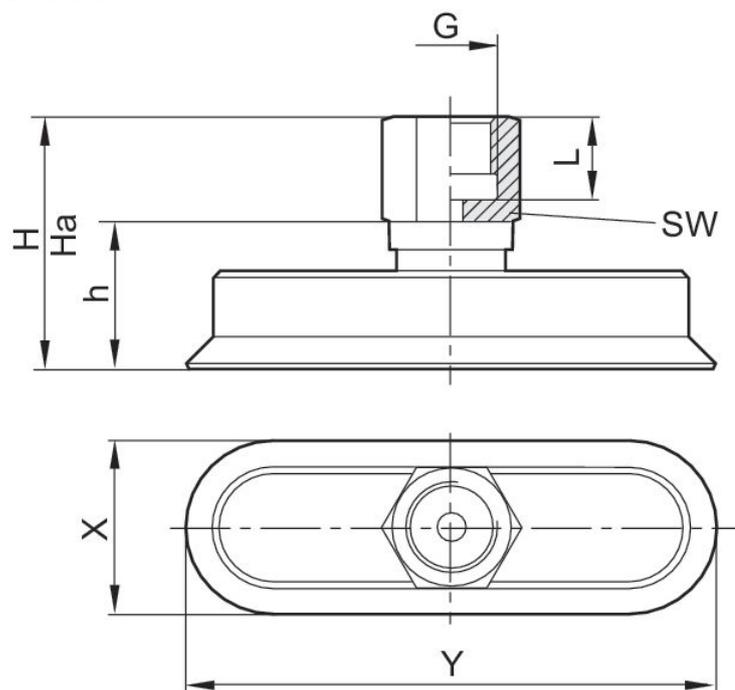
### Ventosa oval, Série FSO

Tipo de conexão de ar comprimido: Rosca interna  
Temperatura ambiente mín./máx.: -10 °C ... 70 °C



Conexão de ar comprimido	Força de retenção [N]	Volume [cm³]	Unidade de fornecimento [Peça]	Peso [kg]	N° de material
M5	3.1	0.036	1	0.004	1820415137
M5	4.5	0.058	1	0.004	1820415138
G 1/8	8	0.138	1	0.007	1820415139
G 1/8	12.2	0.28	1	0.007	1820415140
G 1/4	28.2	0.98	1	0.014	1820415141
G 1/4	50.1	2.3	1	0.018	1820415142
G 1/4	78.3	4.7	1	0.026	1820415143
G 1/4	112.6	8.5	1	0.035	1820415144

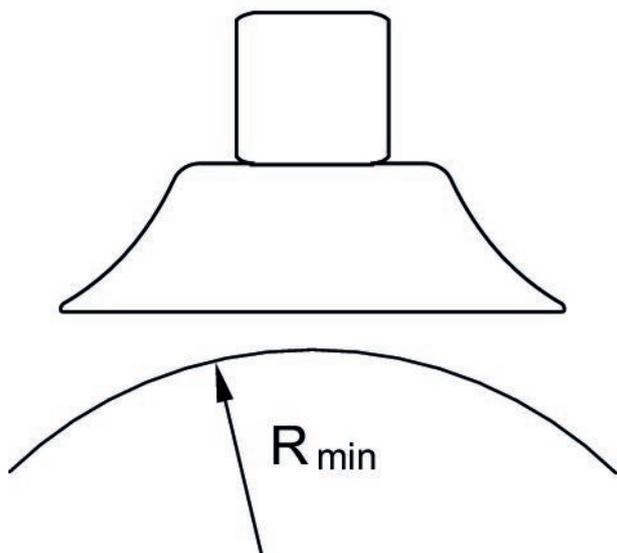
Dimensões



N° de material	X	Y	Ha*)	H	h	L	SW
1820415137	5	15	21.3	22	12	8.5	8
1820415138	6	18	21.2	22	12	8.5	8
1820415139	8	24	24	25	12	9	14
1820415140	10	30	23.5	25	12	9	14
1820415141	15	45	34	36	21	12	17
1820415142	20	60	33.5	36	21	12	17
1820415143	25	75	33.2	36	21	12	17
1820415144	30	90	32.5	36	21	12	17

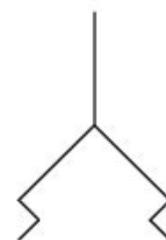
\*) altura com funcionamento a vácuo

Curvatura máx. do objeto R min



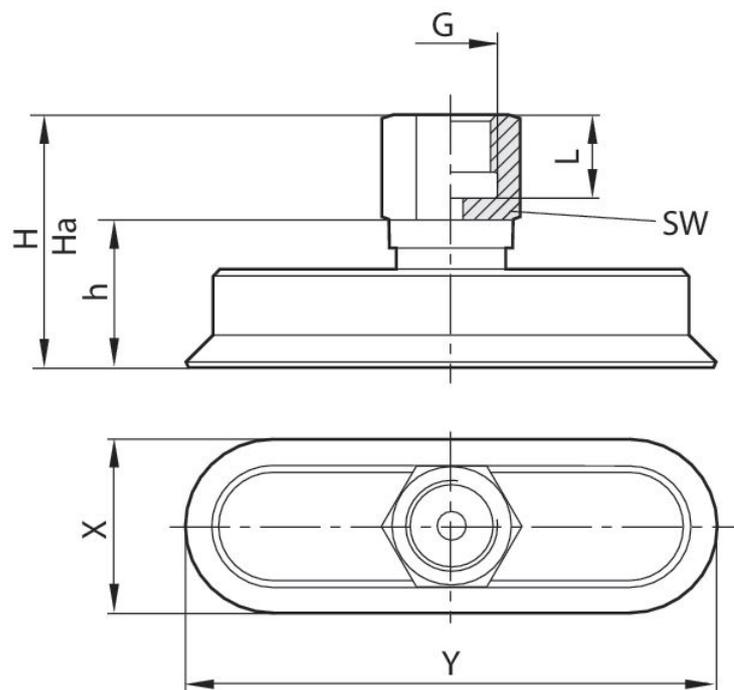
## Ventosa oval, Série FSO

Tipo de conexão de ar comprimido: Rosca interna  
Resistência à temperatura: Resistente ao calor  
Temperatura ambiente mín./máx.: -30 °C ... 180 °C



Conexão de ar comprimido	Força de retenção [N]	Volume [cm³]	Unidade de fornecimento [Peça]	Peso [kg]	N° de material
M5	3.1	0.036	1	0.004	1820415145
M5	4.5	0.058	1	0.004	1820415146
G 1/8	8	0.138	1	0.007	1820415147
G 1/8	12.2	0.28	1	0.007	1820415148
G 1/4	28.2	0.98	1	0.014	1820415149
G 1/4	50.1	2.3	1	0.018	1820415150
G 1/4	78.3	4.7	1	0.026	1820415151
G 1/4	112.6	8.5	1	0.035	1820415152

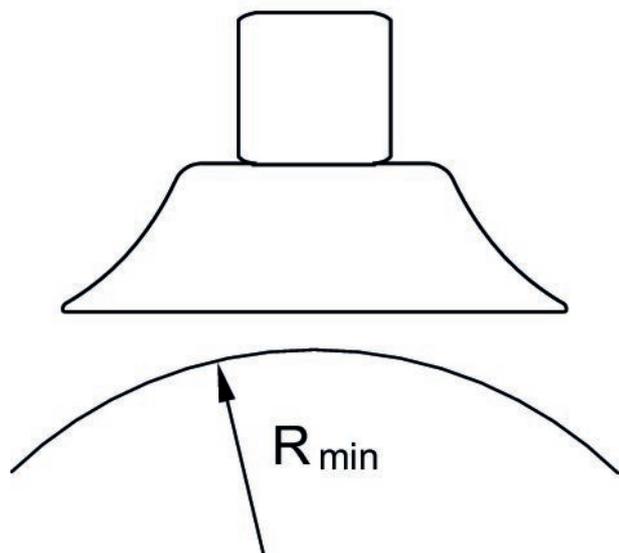
Dimensões



N° de material	G	X	Y	Ha*)	H	h	L	SW
1820415145	M5	5	15	21.3	22	12	8.5	8
1820415146	M5	6	18	21.2	22	12	8.5	8
1820415147	G 1/8	8	24	24	25	12	9	14
1820415148	G 1/8	10	30	23.5	25	12	9	14
1820415149	G 1/4	15	45	34	36	21	12	17
1820415150	G 1/4	20	60	33.5	36	21	12	17
1820415151	G 1/4	25	75	33.2	36	21	12	17
1820415152	G 1/4	30	90	32.5	36	21	12	17

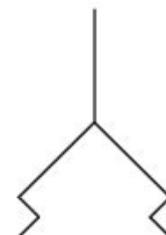
\*) altura com funcionamento a vácuo

Curvatura máx. do objeto R min



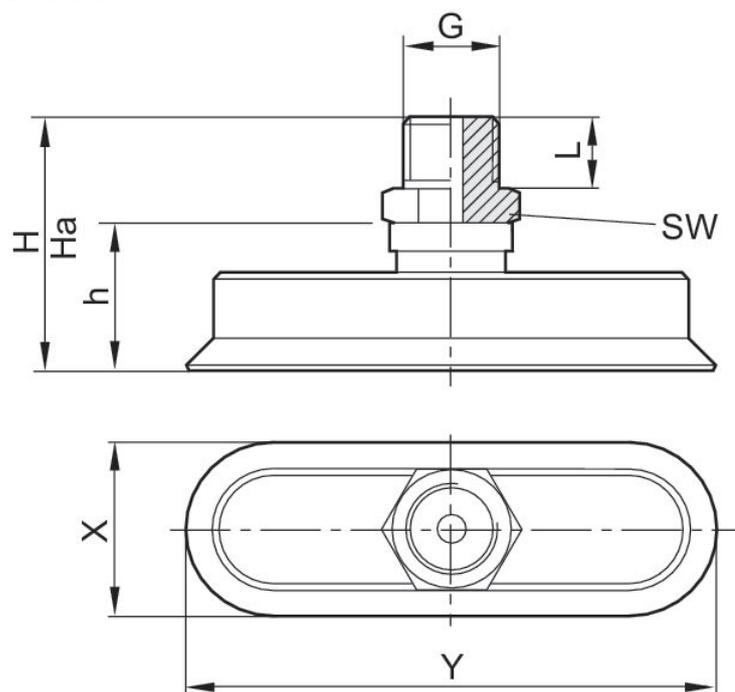
## Ventosa oval, Série FSO

Tipo de conexão de ar comprimido: rosca externa  
Temperatura ambiente mín./máx.: -10 °C ... 70 °C



Conexão de ar comprimido	Força de retenção [N]	Volume [cm³]	Unidade de fornecimento [Peça]	Peso [kg]	N° de material
M5	3.1	0.036	1	0.004	1820415121
M5	4.5	0.058	1	0.004	1820415122
G 1/8	8	0.138	1	0.007	1820415123
G 1/8	12.2	0.28	1	0.007	1820415124
G 1/4	28.2	0.98	1	0.014	1820415125
G 1/4	50.1	2.3	1	0.018	1820415126
G 1/4	78.3	4.7	1	0.026	1820415127
G 1/4	112.6	8.5	1	0.035	1820415128

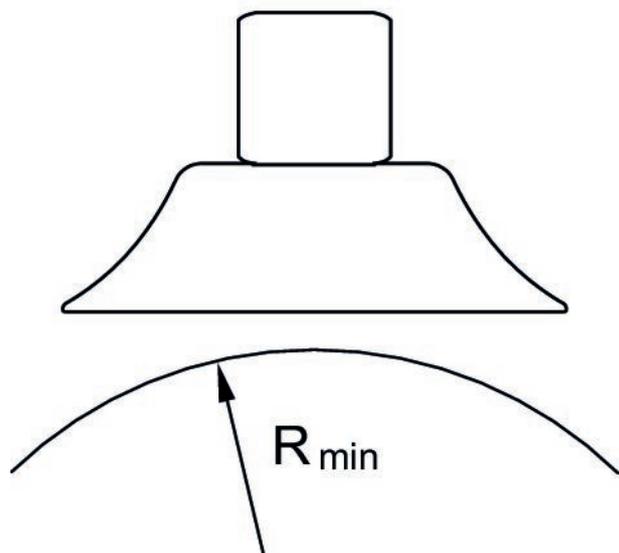
Dimensões



N° de material	G	X	Y	Ha*)	H	h	L	SW
1820415121	M5	5	15	21.3	22	12	5	8
1820415122	M5	6	18	21.2	22	12	5	8
1820415123	G 1/8	8	24	24	25	12	8	14
1820415124	G 1/8	10	30	23.5	25	12	8	14
1820415125	G 1/4	15	45	34	36	21	10	17
1820415126	G 1/4	20	60	33.5	36	21	10	17
1820415127	G 1/4	25	75	33.2	36	21	10	17
1820415128	G 1/4	30	90	32.5	36	21	10	17

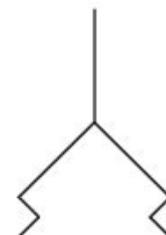
\*) altura com funcionamento a vácuo

Curvatura máx. do objeto R min



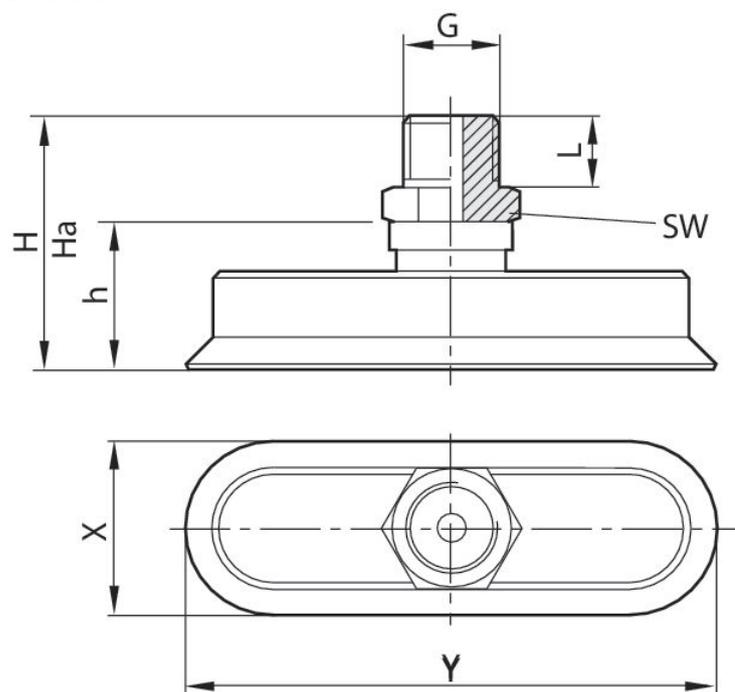
### Ventosa oval, Série FSO

Tipo de conexão de ar comprimido: rosca externa  
Resistência à temperatura: Resistente ao calor  
Temperatura ambiente mín./máx.: -30 °C ... 180 °C



Conexão de ar comprimido	Força de retenção [N]	Volume [cm³]	Unidade de fornecimento [Peça]	Peso [kg]	N° de material
M5	3.1	0.036	1	0.004	1820415129
M5	4.5	0.058	1	0.004	1820415130
G 1/8	8	0.138	1	0.007	1820415131
G 1/8	12.2	0.28	1	0.007	1820415132
G 1/4	28.2	0.98	1	0.014	1820415133
G 1/4	50.1	2.3	1	0.018	1820415134
G 1/4	78.3	4.7	1	0.026	1820415135
G 1/4	112.6	8.5	1	0.035	1820415136

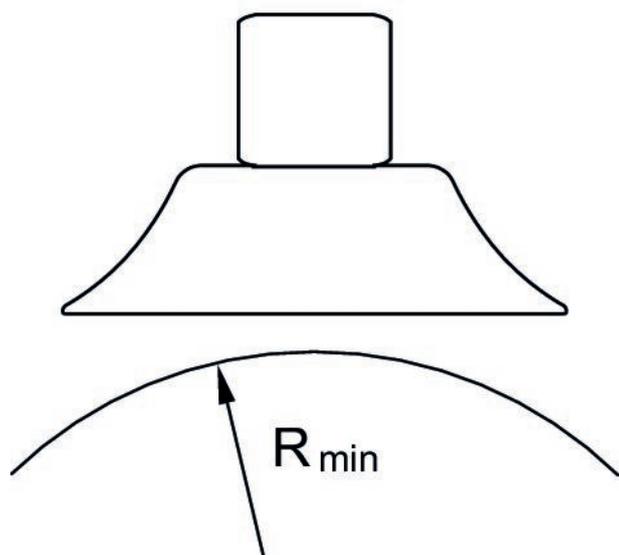
Dimensões



N° de material	G	X	Y	Ha*)	H	h	L	SW
1820415129	M5	5	15	21.3	22	12	5	8
1820415130	M5	6	18	21.2	22	12	5	8
1820415131	G 1/8	8	24	24	25	12	8	14
1820415132	G 1/8	10	30	23.5	25	12	8	14
1820415133	G 1/4	15	45	34	36	21	10	17
1820415134	G 1/4	20	60	33.5	36	21	10	17
1820415135	G 1/4	25	75	33.2	36	21	10	17
1820415136	G 1/4	30	90	32.5	36	21	10	17

\*) altura com funcionamento a vácuo

Curvatura máx. do objeto R min



Efficient pneumatic solutions, our program:  
cylinders and drives, valves and valve systems,  
air supply management, proportional pressure  
control valves



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