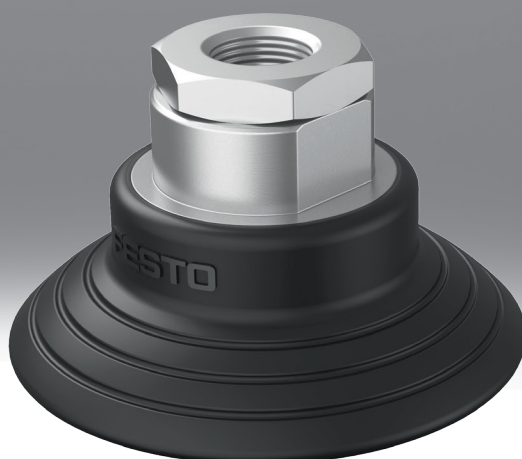


Suction cup with connection OGVM

FESTO



Characteristics

At a glance

The suction cups with connection are used for handling components in the metal industry. Examples include the automotive industry and large household appliances. The suction cups with connection enable sheet metal and components to be handled highly dynamically. The suction cup geometry ensures minimum suction times, high inherent stability in the suctioned state and for absorbing holding and transverse forces, even on oiled surfaces. This is made possible by the special structure of the inside of the suction cup.

Engineering tools [Link smart-vacuum](#)

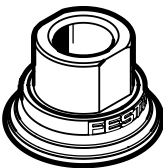


Save time with engineering tools: Smart engineering for the optimal solution. Our goal is to increase your productivity. Our engineering tools play an integral part in achieving this goal. They help you size your system correctly, tap into unimagined productivity reserves and generate additional productivity along the entire value chain. In every phase of your project, from the initial contact to the modernisation of your machine, you will come across a number of different tools that will be of use to you.

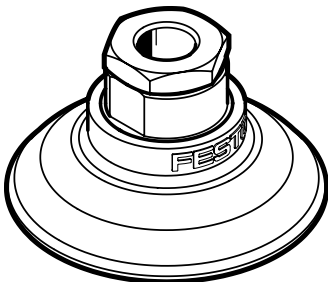
The vacuum engineering tool provides you with a product recommendation based on your vacuum application requirements. After entering a number of parameters, the vacuum calculator recommends the Festo products required for an optimum solution.

Suction cup shape

[S] Round, standard



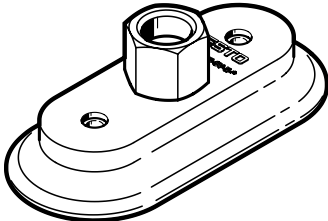
[G] Round, bell shape



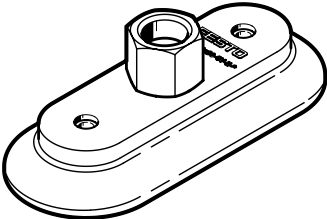
[A] Round, bellows, 1.5 convolutions



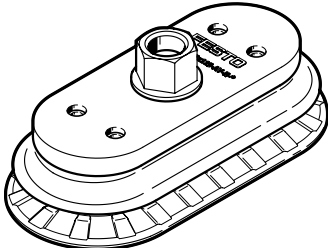
[SV] Oval, standard



[GV] Oval, bell-shaped



[AV] Oval, bellows, 1.5 convolutions



Characteristics

Vacuum port

Vacuum connections with female thread or with rectangular adapter are available.

[G14] G1/4



Female thread G1/4

[G38] G3/8



Female thread G3/8

[RA] Rectangular adapter



Rectangular adapter

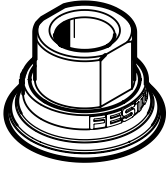
Type code

001	Series	
OGVM	Suction cup complete	
002	Suction cup size	
16x55	16x55 mm	
20	20 mm diameter	
20x60	20x60 mm	
20x65	20x65 mm	
30	30 mm diameter	
30x65	30x65 mm	
30x80	30x80 mm	
30x95	30x95 mm	
40	40 mm diameter	
40x85	40x85 mm	
40x90	40x90 mm	
45	45 mm diameter	
50	50 mm diameter	
50x105	50x105 mm	
55x115	55x115 mm	
60	60 mm diameter	
60x125	60x125 mm	
70x145	70x145 mm	
80	80 mm diameter	
100	100 mm diameter	
125	125 mm diameter	

003	Suction cup shape	
A	Round, bellows, 1.5 convolutions	
AV	Oval, bellows, 1.5 convolutions	
G	Round, bell shape	
GV	Oval, bell-shaped	
S	Round, standard	
SV	Oval, standard	
004	Material	
N	Nitrile rubber	
005	Vacuum port	
G14	G1/4	
G38	G3/8	
RA	Rectangular adapter	
006	Thread type	
	Male thread	
F	Female thread	

Datasheet

Technical data – OGVM, round, flat

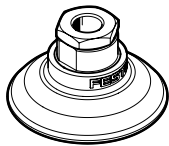


Suction cup diameter	30 mm	40 mm	50 mm	60 mm	80 mm	100 mm	125 mm
Vacuum connection	Female thread G1/4 Female thread G3/8 Rectangular adapter RA						
Nominal size	4 mm		7 mm	8 mm			
Suction cup shape	Round, flat						
Type of mounting	Via vacuum port						
Position of connection	Top						
Mounting position	optional						
Min. workpiece radius	35 mm	37.5 mm	45 mm	70 mm		100 mm	135 mm
Suction cup volume	1.8 cm³	4.4 cm³	8.4 cm³	15 cm³	35 cm³	68 cm³	132 cm³
Holding force at nominal operating pressure	36 N	53 N	90 N	120 N	225 N	351 N	606 N
Lateral force at nominal operating pressure	35 N	53 N	64 N	99 N	113 N	140 N	429 N
Operating pressure	-95 ... 0 kPa						
Operating pressure	-0.95 ... 0 bar						
Operating pressure	-13.775 ... 0 psi						
Nominal operating pressure	-60 kPa						
Nominal operating pressure	-0.6 bar						
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:-]						
Ambient temperature	-20 ... 80°C						
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress						
Material suction cup	NBR						
Material screwed plug	Wrought aluminium alloy						
Colour	Black						
Shore hardness	60 +/- 5						
Note on materials	RoHS-compliant						
LABS (PWIS) conformity	VDMA24364-A1-L, VDMA24364-A1/A2-L						

1) More information: www.festo.com/x/topic/crc

Datasheet

Technical data – OGVM, round, bell-shaped



Suction cup diameter	20 mm	30 mm	45 mm	60 mm	80 mm
Vacuum connection	Female thread G1/4		Female thread G1/4 Female thread G3/8 Rectangular adapter RA		
Nominal size	3 mm		4 mm	6 mm	7 mm
Suction cup shape	Round bell-shaped				
Type of mounting	Via vacuum port				
Position of connection	Top				
Mounting position	optional				
Min. workpiece radius	12.5 mm	17.5 mm	25 mm	27.5 mm	45 mm
Suction cup volume	1.2 cm ³	2.6 cm ³	9.4 cm ³	22 cm ³	48 cm ³
Holding force at nominal operating pressure	18 N	32 N	77 N	143 N	220 N
Lateral force at nominal operating pressure	28 N	62 N	117 N	216 N	241 N
Operating pressure	-95 ... 0 kPa				
Operating pressure	-0.95 ... 0 bar				
Operating pressure	-13.775 ... 0 psi				
Nominal operating pressure	-60 kPa				
Nominal operating pressure	-0.6 bar				
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:-]				
Ambient temperature	-20 ... 80°C				
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress				
Material suction cup	NBR				
Material screwed plug	Wrought aluminium alloy				
Colour	Black				
Shore hardness	60 +/- 5				
Note on materials	RoHS-compliant				
LABS (PWIS) conformity	VDMA24364-A1-L		VDMA24364-A1-L, VDMA24364-A1/A2-L		

1) More information: www.festo.com/x/topic/crc

Datasheet

Technical data – OGVM, round, protective bellows 1.5-fold

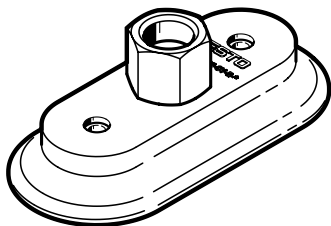


Suction cup diameter	20 mm	30 mm	40 mm	50 mm	60 mm	80 mm	100 mm	125 mm
Vacuum connection	Female thread G1/4 Female thread G3/8 Rectangular adapter RA							
Nominal size	4 mm			7 mm	8 mm			
Suction cup shape	Round bellows 1.5 convolutions							
Type of mounting	Via vacuum port							
Position of connection	Top							
Mounting position	optional							
Min. workpiece radius	12.5 mm	25 mm	30 mm	35 mm	40 mm	75 mm	90 mm	140 mm
Suction cup volume	2 cm³	5.5 cm³	7.8 cm³	15 cm³	28 cm³	64 cm³	115 cm³	241 cm³
Holding force at nominal operating pressure	15 N	37 N	60 N	90 N	140 N	246 N	379 N	587 N
Lateral force at nominal operating pressure	15 N	31 N	62 N	72 N	126 N	225 N	346 N	426 N
Operating pressure	-95 ... 0 kPa							
Operating pressure	-0.95 ... 0 bar							
Operating pressure	-13.775 ... 0 psi							
Nominal operating pressure	-60 kPa							
Nominal operating pressure	-0.6 bar							
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:-]							
Ambient temperature	-20 ... 80°C							
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress							
Material suction cup	NBR							
Material screwed plug	Wrought aluminium alloy							
Colour	Black							
Shore hardness	60 +/- 5							
Note on materials	RoHS-compliant							
LABS (PWIS) conformity	VDMA24364-A1-L, VDMA24364-A1/A2-L							

1) More information: www.festo.com/x/topic/crc

Datasheet

Technical data – OGVM, oval, flat

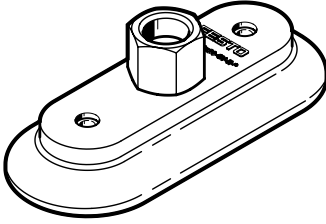


Suction cup size	16x55 mm	20x65 mm	30x95 mm	40x85 mm	50x105 mm	60x125 mm	70x145 mm
Vacuum connection	Female thread G1/4						
Nominal size	3 mm	6 mm			8 mm		
Suction cup shape	Oval, flat						
Type of mounting	Via vacuum port						
Position of connection	Top						
Mounting position	optional						
Min. workpiece radius	10 mm	20 mm	40 mm	50 mm	75 mm		90 mm
Suction cup volume	2 cm ³	3.6 cm ³	9.6 cm ³	13 cm ³	25 cm ³	44 cm ³	70 cm ³
Holding force at nominal operating pressure	36 N	66 N	146 N	150 N	240 N	345 N	630 N
Vertical lateral force at nominal operating pressure	40 N	76 N	114 N	92 N	174 N	324 N	455 N
Operating pressure	-95 ... 0 kPa						
Operating pressure	-0.95 ... 0 bar						
Operating pressure	-13.775 ... 0 psi						
Nominal operating pressure	-60 kPa						
Nominal operating pressure	-0.6 bar						
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:::]						
Ambient temperature	-20 ... 80°C						
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress						
Material suction cup	NBR						
Material screwed plug	Wrought aluminium alloy						
Colour	Black						
Shore hardness	60 +/- 5						
Note on materials	RoHS-compliant						
LABS (PWIS) conformity	VDMA24364-A1-L						

1) More information: www.festo.com/x/topic/crc

Datasheet

Technical data – OGVM, oval, bell-shaped

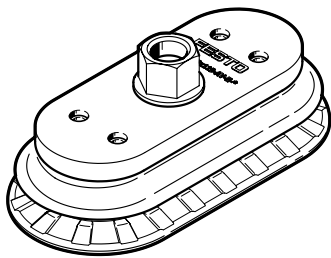


Suction cup size	20x60 mm	30x80 mm	40x90 mm
Vacuum connection	Female thread G1/4 Female thread G3/8 Rectangular adapter RA	Female thread G1/4	
Nominal size	6 mm		
Suction cup shape	Oval, bell-shaped		
Type of mounting	Via vacuum port		
Position of connection	Top		
Mounting position	optional		
Min. workpiece radius	12.5 mm	20 mm	35 mm
Suction cup volume	5 cm³	10 cm³	15.8 cm³
Holding force at nominal operating pressure	81 N	120 N	311 N
Vertical lateral force at nominal operating pressure	103 N	201 N	192 N
Operating pressure	-95 ... 0 kPa		
Operating pressure	-0.95 ... 0 bar		
Operating pressure	-13.775 ... 0 psi		
Nominal operating pressure	-60 kPa		
Nominal operating pressure	-0.6 bar		
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:-:-]		
Ambient temperature	-20 ... 80°C		
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress		
Material suction cup	NBR		
Material screwed plug	Wrought aluminium alloy		
Colour	Black		
Shore hardness	60 +/- 5		
Note on materials	RoHS-compliant		
LABS (PWIS) conformity	VDMA24364-A1-L, VDMA24364-A1/A2-L	VDMA24364-A1-L	

1) More information: www.festo.com/x/topic/crc

Datasheet

Technical data – OGVM, oval, protective bellows 1.5-fold



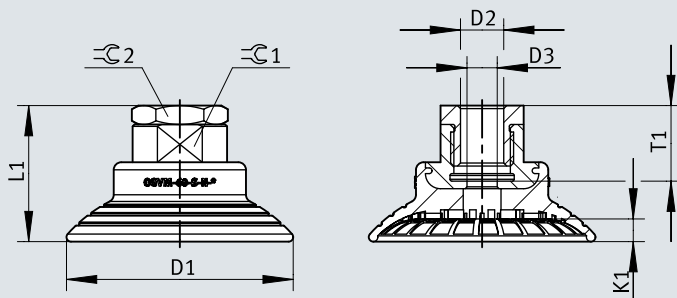
Suction cup size	30x65 mm	40x85 mm	55x115 mm	70x145 mm
Vacuum connection	Female thread G1/4 Female thread G3/8 Rectangular adapter RA	Female thread G1/4		
Nominal size	6 mm		8 mm	
Suction cup shape	Oval, bellows, 1.5 convolutions			
Type of mounting	Via vacuum port			
Position of connection	Top			
Mounting position	optional			
Min. workpiece radius	15 mm	30 mm	50 mm	70 mm
Suction cup volume	11.5 cm³	23.5 cm³	52 cm³	111 cm³
Holding force at nominal operating pressure	66 N	126 N	200 N	446 N
Vertical lateral force at nominal operating pressure	104 N	173 N	234 N	317 N
Operating pressure	-95 ... 0 kPa			
Operating pressure	-0.95 ... 0 bar			
Operating pressure	-13.775 ... 0 psi			
Nominal operating pressure	-60 kPa			
Nominal operating pressure	-0.6 bar			
Operating medium	Atmospheric air based on ISO 8573-1:2010 [7:::]			
Ambient temperature	-20 ... 80°C			
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress			
Material suction cup	NBR			
Material screwed plug	Wrought aluminium alloy			
Colour	Black			
Shore hardness	60 +/- 5			
Note on materials	RoHS-compliant			
LABS (PWIS) conformity	VDMA24364-A1-L, VDMA24364-A1/A2-L	VDMA24364-A1-L		

1) More information: www.festo.com/x/topic/crc

Dimensions

Dimensions – OGVM with female thread, round, flat

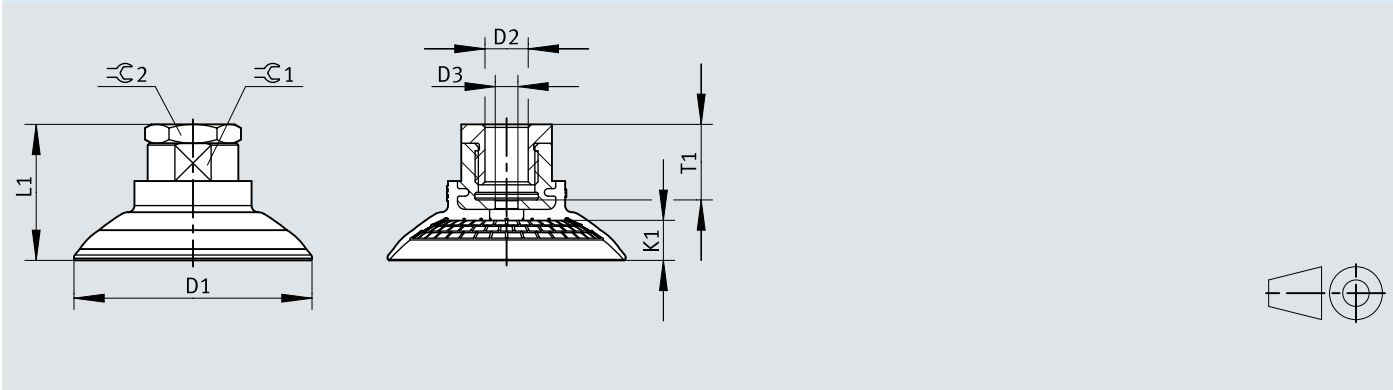
Download CAD data www.festo.com



	D1 ø	D2	D3 ø	K1	L1	T1	⌀ 1	⌀ 2
OGVM-30-S-N-G14F	30	G1/4	4	3	20	12	–	17
OGVM-40-S-N-G14F	40	G1/4	4	4	22	12	–	17
OGVM-50-S-N-G14F	50	G1/4	7	5	33	20	–	22
OGVM-60-S-N-G14F	60	G1/4	8	6	36	20	–	22
OGVM-80-S-N-G14F	80	G1/4	8	8	40	20	–	22
OGVM-100-S-N-G14F	100	G1/4	8	9,5	41	20	–	22
OGVM-125-S-N-G14F	125	G1/4	8	12,5	48	20	–	22
OGVM-30-S-N-G38F	30	G3/8	4	3	36,5	30	20	17
OGVM-40-S-N-G38F	40	G3/8	4	4	39	30	20	17
OGVM-50-S-N-G38F	50	G3/8	7	5	28,5	15	22	22
OGVM-60-S-N-G38F	60	G3/8	8	6	31,5	15	22	22
OGVM-80-S-N-G38F	80	G3/8	8	8	35,5	15	22	22
OGVM-100-S-N-G38F	100	G3/8	8	9,5	36	15	22	22
OGVM-125-S-N-G38F	125	G3/8	8	12,5	43	15	22	22

Dimensions

Dimensions – OGVM with female thread, round, bell-shaped Download CAD data www.festo.com

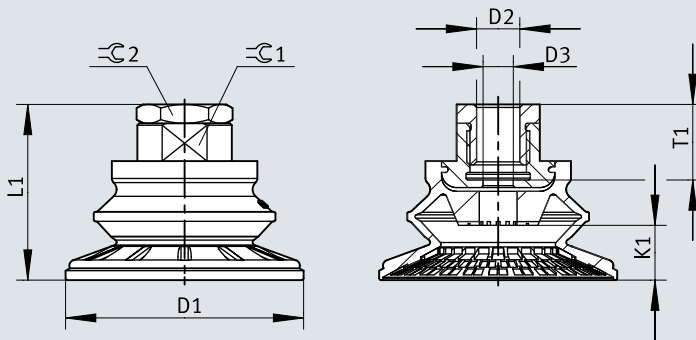


	D1 ø	D2	D3 ø	K1	L1	T1	⌀ 1	⌀ 2
OGVM-20-G-...-G14F	22	G1/4	3	4	22	12	15	–
OGVM-30-G-...-G14F	30	G1/4	3	5	22	12	15	–
OGVM-45-G-...-G14F	47	G1/4	4	7,8	24,5	12	17	–
OGVM-60-G-...-G14F	63	G1/4	6	11	36	20	22	–
OGVM-80-G-...-G14F	83	G1/4	7	12,8	40	20	22	–
OGVM-45-G-...-G38F	47	G3/8	4	7,8	41	30	17	20
OGVM-60-G-...-G38F	63	G3/8	6	11	31	15	22	–
OGVM-80-G-...-G38F	83	G3/8	7	12,8	35	15	22	–

Dimensions

Dimensions – OGVM with female thread, round, protective bellows, 1.5 convolutions

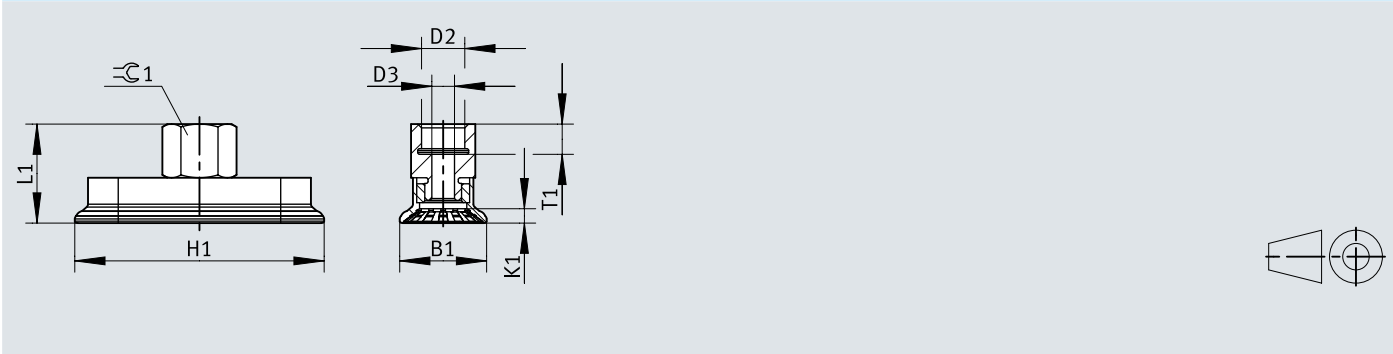
Download CAD data www.festo.com



	D1 Ø	D2	D3 Ø	K1	L1	T1	⌀ 1	⌀ 2
OGVM-20-A-...-G14F	22	G1/4	4	5,8	25	12	17	–
OGVM-30-A-...-G14F	32	G1/4	4	9	28	12	17	–
OGVM-40-A-...-G14F	42	G1/4	4	10	29	12	17	–
OGVM-50-A-...-G14F	52	G1/4	7	11,5	42	20	22	–
OGVM-60-A-...-G14F	63	G1/4	8	14,5	46,5	20	22	–
OGVM-80-A-...-G14F	83	G1/4	8	22	55	20	22	–
OGVM-100-A-...-G14F	103	G1/4	8	26	62	20	22	–
OGVM-125-A-...-G14F	128	G1/4	8	32	73	20	22	–
OGVM-20-A-...-G38F	22	G3/8	4	5,8	41	30	17	20
OGVM-30-A-...-G38F	32	G3/8	4	9	44	30	17	20
OGVM-40-A-...-G38F	42	G3/8	4	10	45,5	30	17	20
OGVM-50-A-...-G38F	52	G3/8	7	11,5	37	15	22	–
OGVM-60-A-...-G38F	63	G3/8	8	14,5	41,5	15	22	–
OGVM-80-A-...-G38F	83	G3/8	8	22	49	15	22	–
OGVM-100-A-...-G38F	103	G3/8	8	26	54	15	22	–
OGVM-125-A-...-G38F	128	G3/8	8	32	65	15	22	–

Dimensions

Dimensions – OGVM with female thread, oval, flat Download CAD data www.festo.com

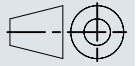
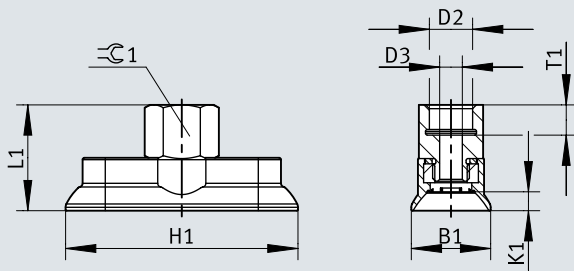


	B1	D2	D3 ø	H1	K1	L1	T1	≡ 1
OGVM-16X55-SV-...-G14F	16	G1/4	3	56	3	34	8	17
OGVM-20X65-SV-...-G14F	23	G1/4	6	66	3	26	8	17
OGVM-30X95-SV-...-G14F	32	G1/4	6	97	3	27	8	17
OGVM-40X85-SV-...-G14F	40	G1/4	6	86	4	28	8	17
OGVM-50X105-SV-...-G14F	50	G1/4	8	106	5	30	8	17
OGVM-60X125-SV-...-G14F	60	G1/4	8	127	6	32	8	17
OGVM-70X145-SV-...-G14F	70	G1/4	8	146	7	33	8	17

Dimensions

Dimensions – OGVM with female thread, oval, bell-shaped

Download CAD data www.festo.com

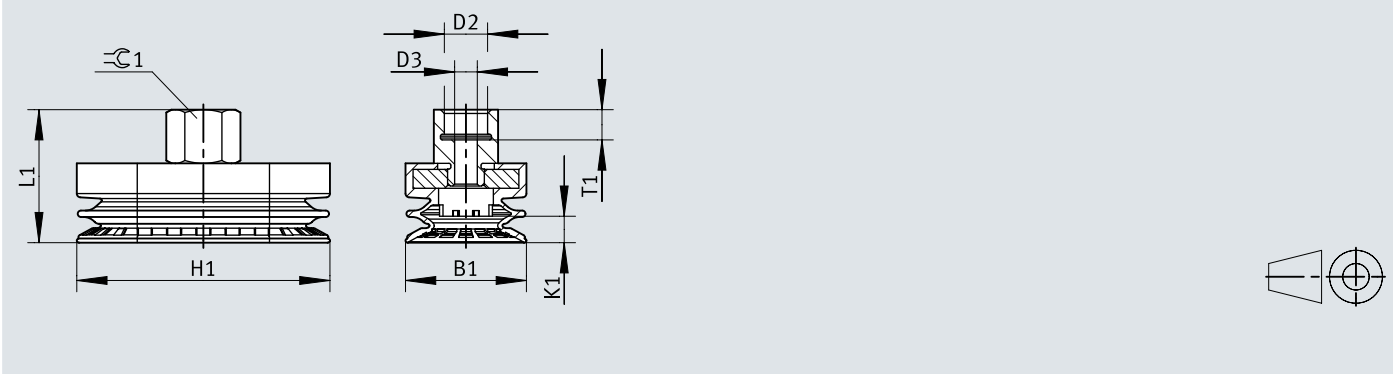


	B1	D2	D3 Ø	H1	K1	L1	T1	⌀ 1
OGVM-20X60-GV-...-G14F	21	G1/4	6	61,5	5	28	8	17
OGVM-30X80-GV-...-G14F	31	G1/4	6	81	6	29	8	17
OGVM-40X90-GV-...-G14F	40,5	G1/4	6	95,5	6	29	8	17
OGVM-20X60-GV-...-G38F	21	G3/8	6	61,5	6	28,5	8	22

Dimensions

Dimensions – OGVM with female thread, oval, protective bellows 1.5 convolutions

Download CAD data www.festo.com

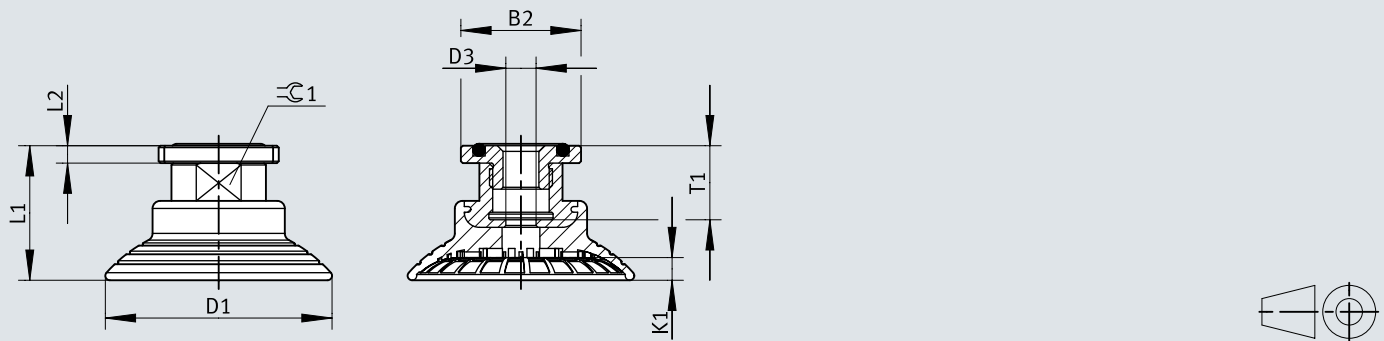


	B1	D2	D3 ø	H1	K1	L1	T1	≡C 1
OGVM-30X65-AV-...-G14F	32	G1/4	6	67	7	35	8	17
OGVM-40X85-AV-...-G14F	42	G1/4	6	87	9	38	8	17
OGVM-55X115-AV-...-G14F	56	G1/4	8	118	13	43	8	17
OGVM-70X145-AV-...-G14F	72	G1/4	8	148	16,5	47	8	17
OGVM-30X65-AV-...-G38F	32	G3/8	6	67	7	34,5	8	22

Dimensions

Dimensions – OGVM with rectangular adapter, round, flat

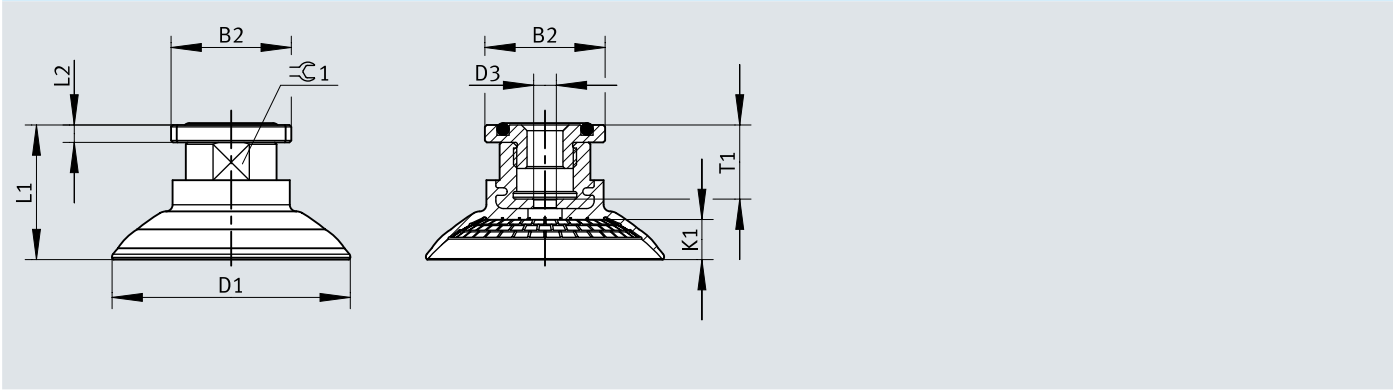
Download CAD data www.festo.com



	B2	D1 Ø	D3 Ø	K1	L1	L2	T1	⌀ 1
OGVM-30-S-N-RA	31,8	30	3	3	24,6	4,6	16,6	17
OGVM-40-S-N-RA	31,8	40	4	4	26,6	4,6	16,6	17
OGVM-50-S-N-RA	31,8	50	6	5	32,6	4,6	20	22
OGVM-60-S-N-RA	31,8	60	7	6	36	4,6	16,6	22
OGVM-80-S-N-RA	31,8	80	3	8	40	4,6	19,5	22
OGVM-100-S-N-RA	31,8	100	3	9,5	40	4,6	16,6	22
OGVM-125-S-N-RA	31,8	125	4	12,5	48,3	4,6	16,6	22

Dimensions

Dimensions – OGVM with rectangular adapter, round, bell-shaped Download CAD data www.festo.com

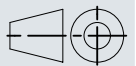
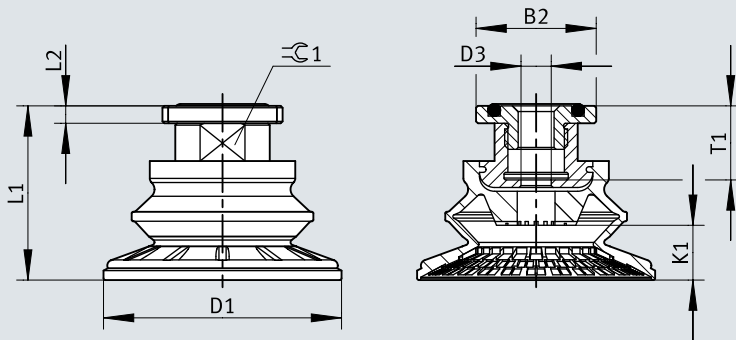


	B2	D1 ø	D3 ø	K1	L1	L2	T1	⌀ 1
OGVM-45-G-...-RA	31,8	47	4	7,8	29,1	4,6	16,6	17
OGVM-60-G-...-RA	31,8	63	6	10,6	35,6	4,6	19,6	22
OGVM-80-G-...-RA	31,8	83	7	12,8	40	4,6	16,6	22

Dimensions

Dimensions – OGVM with rectangular adapter, round, protective bellows, 1.5 convolutions

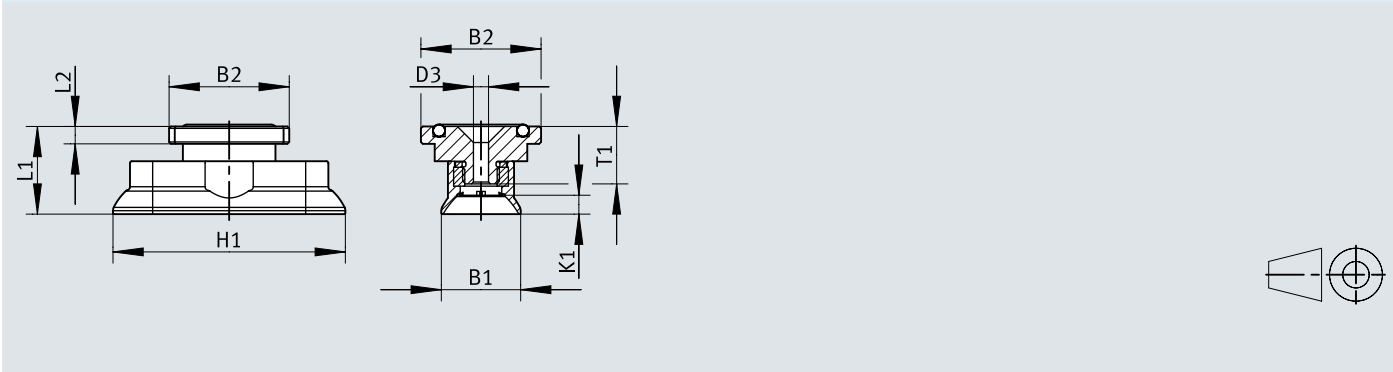
Download CAD data www.festo.com



	B2	D1 Ø	D3 Ø	K1	L1	L2	T1	≅ 1
OGVM-20-A-N-RA	31,8	22	4	5,8	29,6	4,6	16,6	17
OGVM-30-A-N-RA	31,8	32	4	9	32,6	4,6	16,6	17
OGVM-40-A-N-RA	31,8	42	4	10	33,6	4,6	16,6	17
OGVM-50-A-N-RA	31,8	52	7	11,5	41,6	4,6	20	22
OGVM-60-A-N-RA	31,8	63	8	14,5	46,1	4,6	19,6	22
OGVM-80-A-N-RA	31,8	83	8	22	53	4,6	19,6	22
OGVM-100-A-N-RA	31,8	103	8	26	58	4,6	19,6	22
OGVM-125-A-N-RA	31,8	128	8	32	71	4,6	19,6	22

Dimensions

Dimensions – OGVM with rectangular adapter, oval, bell-shaped Download CAD data www.festo.com

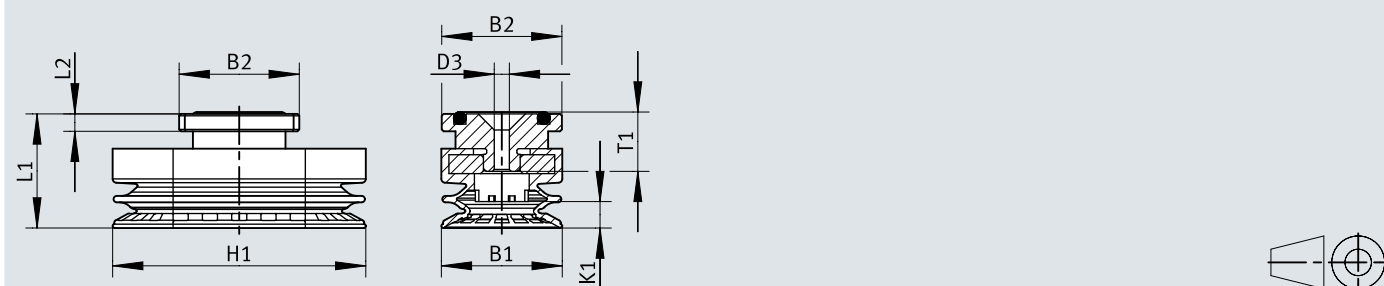


	B1	B2	D3 ø	H1	K1	L1	L2	T1
OGVM-20X60-GV-....-RA	21	31,8	4	61,5	5	23,5	4,6	15,5

Dimensions

Dimensions – OGVM with rectangular adapter, oval, protective bellows 1.5 convolutions

Download CAD data www.festo.com



	B1	B2	D3 ø	H1	K1	L1	L2	T1
OGVM-30X65-AV-....-RA	32	31,8	4	67	7	29	4,6	15,5

Ordering data

OGVM with female thread, round, flat

	Vacuum connection	Suction cup diameter	Height compensator for suction cup	Suction cup volume	Product weight	Part no.	Type
	Female thread G1/4	30 mm	3 mm	1.8 cm ³	8 g	8073816	OGVM-30-S-N-G14F
		40 mm	4 mm	4.4 cm ³	10 g	8073817	OGVM-40-S-N-G14F
		50 mm	5 mm	8.4 cm ³	30 g	8073818	OGVM-50-S-N-G14F
		60 mm	6 mm	15 cm ³	40 g	8073819	OGVM-60-S-N-G14F
		80 mm	7.6 mm	35 cm ³	65 g	8073820	OGVM-80-S-N-G14F
		100 mm	9.5 mm	68 cm ³	100 g	8073821	OGVM-100-S-N-G14F
		125 mm	12.5 mm	132 cm ³	151 g	8073822	OGVM-125-S-N-G14F
	Female thread G3/8	30 mm	3 mm	1.8 cm ³	21 g	8211013	OGVM-30-S-N-G38F
		40 mm	4 mm	4.4 cm ³	24 g	8211014	OGVM-40-S-N-G38F
		50 mm	5 mm	8.4 cm ³	25 g	8211015	OGVM-50-S-N-G38F
		60 mm	6 mm	15 cm ³	36 g	8210273	OGVM-60-S-N-G38F
		80 mm	7.6 mm	35 cm ³	60 g	8211016	OGVM-80-S-N-G38F
		100 mm	9.5 mm	68 cm ³	84 g	8211017	OGVM-100-S-N-G38F
		125 mm	12.5 mm	132 cm ³	146 g	8211018	OGVM-125-S-N-G38F

OGVM with female thread, round, bell-shaped

	Vacuum connection	Suction cup diameter	Height compensator for suction cup	Suction cup volume	Product weight	Part no.	Type
	Female thread G1/4	20 mm	4 mm	1.2 cm ³	6 g	8073847	OGVM-20-G-N-G14F
		30 mm	5 mm	2.6 cm ³	7 g	8073848	OGVM-30-G-N-G14F
		45 mm	7.8 mm	9.4 cm ³	13 g	8073831	OGVM-45-G-N-G14F
		60 mm	10.6 mm	22 cm ³	29 g	8073832	OGVM-60-G-N-G14F
		80 mm	12.8 mm	48 cm ³	51 g	8073833	OGVM-80-G-N-G14F
	Female thread G3/8	45 mm	7.8 mm	9.4 cm ³	25 g	8211022	OGVM-45-G-N-G38F
		60 mm	10.6 mm	22 cm ³	24 g	8210274	OGVM-60-G-N-G38F
		80 mm	12.8 mm	48 cm ³	45 g	8211023	OGVM-80-G-N-G38F

OGVM with female thread, round, protective bellows, 1.5 convolutions

	Vacuum connection	Suction cup diameter	Height compensator for suction cup	Suction cup volume	Product weight	Part no.	Type
	Female thread G1/4	20 mm	5.8 mm	2 cm ³	12 g	8073834	OGVM-20-A-N-G14F
		30 mm	9 mm	5.5 cm ³	15 g	8073835	OGVM-30-A-N-G14F
		40 mm	10 mm	7.8 cm ³	17 g	8073836	OGVM-40-A-N-G14F
		50 mm	11.5 mm	15 cm ³	41 g	8073837	OGVM-50-A-N-G14F
		60 mm	14.5 mm	28 cm ³	50 g	8073838	OGVM-60-A-N-G14F
		80 mm	22 mm	64 cm ³	75 g	8073839	OGVM-80-A-N-G14F
		100 mm	26 mm	115 cm ³	109 g	8073840	OGVM-100-A-N-G14F
		125 mm	32 mm	241 cm ³	188 g	8073841	OGVM-125-A-N-G14F
	Female thread G3/8	20 mm	5.8 mm	2 cm ³	24 g	8211024	OGVM-20-A-N-G38F
		30 mm	9 mm	5.5 cm ³	27 g	8211025	OGVM-30-A-N-G38F
		40 mm	10 mm	7.8 cm ³	28 g	8211026	OGVM-40-A-N-G38F
		50 mm	11.5 mm	15 cm ³	36 g	8211027	OGVM-50-A-N-G38F
		60 mm	14.5 mm	28 cm ³	44 g	8210275	OGVM-60-A-N-G38F
		80 mm	22 mm	64 cm ³	69 g	8211028	OGVM-80-A-N-G38F
		100 mm	26 mm	115 cm ³	104 g	8211029	OGVM-100-A-N-G38F
		125 mm	32 mm	241 cm ³	183 g	8211030	OGVM-125-A-N-G38F

Ordering data

OGVM with female thread, oval, flat

	Vacuum connection	Suction cup size	Height compensator for suction cup	Suction cup volume	Product weight	Part no.	Type
	Female thread G1/4	16x55 mm	3 mm	2 cm ³	29 g	8073852	OGVM-16X55-SV-N-G14F
		20x65 mm		3.6 cm ³	21 g	8073853	OGVM-20X65-SV-N-G14F
		30x95 mm		9.6 cm ³	44 g	8073854	OGVM-30X95-SV-N-G14F
		40x85 mm	4 mm	13 cm ³	38 g	8073855	OGVM-40X85-SV-N-G14F
		50x105 mm	5 mm	25 cm ³	67 g	8073856	OGVM-50X105-SV-N-G14F
		60x125 mm	6 mm	44 cm ³	86 g	8073857	OGVM-60X125-SV-N-G14F
		70x145 mm	7 mm	70 cm ³	124 g	8073858	OGVM-70X145-SV-N-G14F

OGVM with female thread, oval, bell-shaped

	Vacuum connection	Suction cup size	Height compensator for suction cup	Suction cup volume	Product weight	Part no.	Type
	Female thread G1/4	20x60 mm	5 mm	5 cm ³	16 g	8073862	OGVM-20X60-GV-N-G14F
		30x80 mm	6 mm	10 cm ³	26 g	8073863	OGVM-30X80-GV-N-G14F
		40x90 mm		15.8 cm ³	40 g	8073864	OGVM-40X90-GV-N-G14F
	Female thread G3/8	20x60 mm	5 mm	5 cm ³	21 g	8210276	OGVM-20X60-GV-N-G38F

OGVM with female thread, oval, protective bellows 1.5 convolutions

	Vacuum connection	Suction cup size	Height compensator for suction cup	Suction cup volume	Product weight	Part no.	Type
	Female thread G1/4	30x65 mm	7 mm	11.5 cm ³	48 g	8073865	OGVM-30X65-AV-N-G14F
		40x85 mm	9 mm	23.5 cm ³	57 g	8073866	OGVM-40X85-AV-N-G14F
		55x115 mm	13 mm	52 cm ³	76 g	8073867	OGVM-55X115-AV-N-G14F
		70x145 mm	16.5 mm	111 cm ³	156 g	8073868	OGVM-70X145-AV-N-G14F
	Female thread G3/8	30x65 mm	7 mm	11.5 cm ³	51 g	8210277	OGVM-30X65-AV-N-G38F

OGVM with rectangular adapter, round, flat

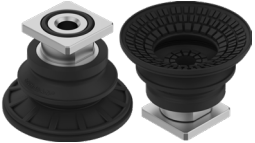
	Vacuum connection	Suction cup diameter	Height compensator for suction cup	Suction cup volume	Product weight	Part no.	Type
	Rectangular adapter RA	30 mm	3 mm	1.8 cm ³	22 g	8213217	OGVM-30-S-N-RA
		40 mm	4 mm	4.4 cm ³	24 g	8213218	OGVM-40-S-N-RA
		50 mm	5 mm	8.4 cm ³	37 g	8213219	OGVM-50-S-N-RA
		60 mm	6 mm	15 cm ³	50 g	8213220	OGVM-60-S-N-RA
		80 mm	7.6 mm	35 cm ³	73 g	8213221	OGVM-80-S-N-RA
		100 mm	9.5 mm	68 cm ³	96 g	8213222	OGVM-100-S-N-RA
		125 mm	12.5 mm	132 cm ³	159 g	8213223	OGVM-125-S-N-RA

OGVM with rectangular adapter, round, bell-shaped

	Vacuum connection	Suction cup diameter	Height compensator for suction cup	Suction cup volume	Product weight	Part no.	Type
	Rectangular adapter RA	45 mm	7.8 mm	9.4 cm ³	25 g	8213224	OGVM-45-G-N-RA

Ordering data

OGVM with rectangular adapter, round, bell-shaped							
	Vacuum connection	Suction cup diameter	Height compensator for suction cup	Suction cup volume	Product weight	Part no.	Type
	Rectangular adapter RA	60 mm	10.6 mm	22 cm ³	37 g	8213225	OGVM-60-G-N-RA
		80 mm	12.8 mm	48 cm ³	58 g	8213226	OGVM-80-G-N-RA

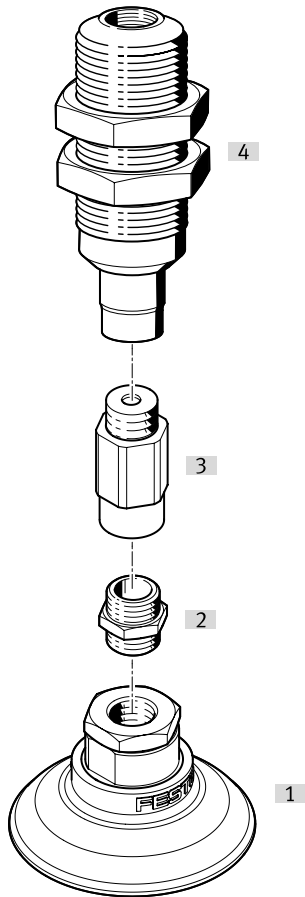
OGVM with rectangular adapter, round, protective bellows, 1.5 convolutions							
	Vacuum connection	Suction cup diameter	Height compensator for suction cup	Suction cup volume	Product weight	Part no.	Type
	Rectangular adapter RA	20 mm	5.8 mm	2 cm ³	25 g	8213231	OGVM-20-A-N-RA
		30 mm	9 mm	5.5 cm ³	37 g	8213232	OGVM-30-A-N-RA
		40 mm	10 mm	7.8 cm ³	29 g	8213233	OGVM-40-A-N-RA
		50 mm	11.5 mm	15 cm ³	48 g	8213234	OGVM-50-A-N-RA
		60 mm	14.5 mm	28 cm ³	56 g	8213235	OGVM-60-A-N-RA
		80 mm	22 mm	64 cm ³	82 g	8213236	OGVM-80-A-N-RA
		100 mm	26 mm	115 cm ³	116 g	8213237	OGVM-100-A-N-RA
		125 mm	32 mm	241 cm ³	193 g	8213238	OGVM-125-A-N-RA

OGVM with rectangular adapter, oval, bell-shaped							
	Vacuum connection	Suction cup size	Height compensator for suction cup	Suction cup volume	Product weight	Part no.	Type
	Rectangular adapter RA	20x60 mm	5 mm	5 cm ³	27 g	8213250	OGVM-20X60-GV-N-RA

OGVM with rectangular adapter, oval, protective bellows 1.5 convolutions							
	Vacuum connection	Suction cup size	Height compensator for suction cup	Suction cup volume	Product weight	Part no.	Type
	Rectangular adapter RA	30x65 mm	7 mm	11.5 cm ³	56 g	8213253	OGVM-30X65-AV-N-RA

Peripherals

Peripherals overview



Accessories		→ Link
Type/order code	Description	
[1] Suction cup with connector OGVM		ogvm
[2] Double nipple NPFC-D		26
[3] Vacuum security valve ISV	The vacuum security valves are designed to maintain the vacuum in applications where several suction cups are used and one or more suction cups fail.	26
[4] Length compensator VAL	Workpieces are handled gently thanks to compensation for a possible overstroke of the handling device or for compensating for tolerance differences in the workpiece thickness.	26

Accessories

Double nipple NPFC-D						
	Pneumatic connection, port 1	Pneumatic connection, port 2	Size of pack	Product weight	Part no.	Type
	G1/4	G1/4	10	17.2 g	8030272	NPFC-D-2G14-M
		G3/8		22.4 g	8030273	NPFC-D-G14-G38-M

Vacuum security valve ISV					
	Pneumatic connection, port 1	Pneumatic connection, port 2	Product weight	Part no.	Type
	G1/4	G1/4	16 g	33970	ISV-1/4
	G3/8	G3/8	33 g	33971	ISV-3/8

Length compensator VAL						
	Suction cup mounting	Vacuum connection	Height compensator for suction-cup holder	Product weight	Part no.	Type
	G1/4	G1/4	20 mm	118 g	151211	VAL-1/4-20