

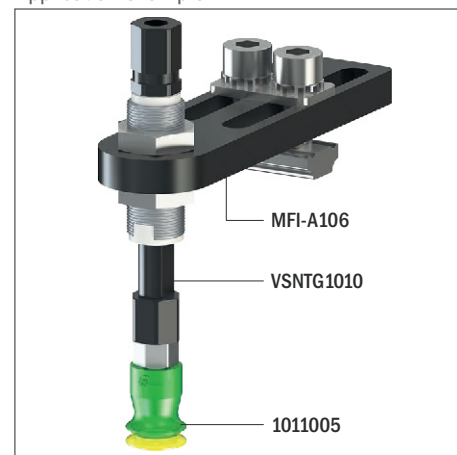
Suction cups / Polyurethane

VG.BP10 suction cups in polyurethane with bellows

- Suitable for minimal level compensations, with high stability
- Excellent gripping performance on corrugated or porous surfaces, or non-sealed surfaces, such as cardboard, plastic items and composite materials with uneven surface
- Also suitable for applications with lifting forces parallel to the surface
- Features an exceptional elastic memory
- Available with 50 Shore hardness, green colour
- Available with 30/70 Shore hardness. The two-colour suction cup is robust and flexible at the same time



Application example



Technical data

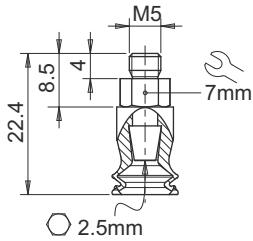
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU30/70	2.1	2.4	3.9	1.1	2.1	2.5	0.19	4	3	0.5
PU50	2.1	2	3.9	1.5	2.5	3	0.19	6	3	0.5

Technical features

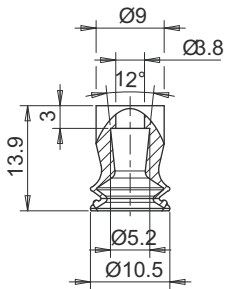
Material	Colour	Hardness	Temperature range
Polyurethane PU, 30/70 Shore	Yellow / Green	30/70 Shore	+10 ÷ +45 °C
Polyurethane PU, 50 Shore	Green	50 Shore	+10 ÷ +45 °C

Identification codes

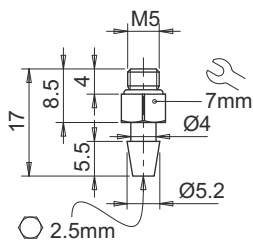
Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.BP10.30/70.M5M	VG.BP10 suction cup, polyurethane, 30/70 Shore, M5 male	1011005
A	VG.BP10.50.M5M	VG.BP10 suction cup, polyurethane, 50 Shore, M5 male	1021005

A

Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
B	VG.BP10.30/70	VG.BP10 suction cup, polyurethane, 30/70 Shore	1011000
B	VG.BP10.50	VG.BP10 suction cup, polyurethane, 50 Shore	1021000

B

Identification codes

Drawing	Alphanumeric code	Fittings	Order code
A	FT.M5M	M5 male fitting	1600005

A


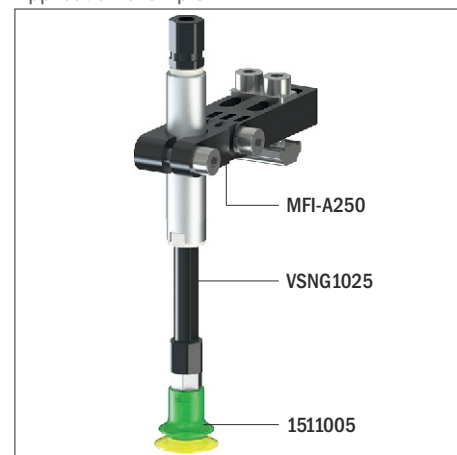
Suction cups / Polyurethane

VG.BP15 suction cups in polyurethane with bellows

- Suitable for minimal level compensations, with high stability
- Excellent gripping performance on corrugated or porous surfaces, or non-sealed surfaces, such as cardboard, plastic items and composite materials with uneven surface
- Also suitable for applications with lifting forces parallel to the surface
- Features an exceptional elastic memory
- Available with 50 Shore hardness, green colour
- Available with 30/70 Shore hardness. The two-colour suction cup is robust and flexible at the same time



Application example



Technical data

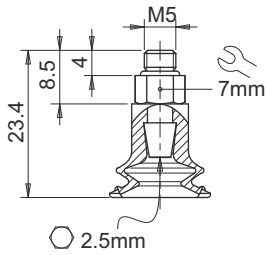
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU30/70	3.9	6.9	9.1	2.5	5.1	9.2	0.4	5.5	3.4	0.8
PU50	3.9	9.1	12.8	2.8	5.3	8.4	0.4	10	3.4	0.8

Technical features

Material	Colour	Hardness	Temperature range
Polyurethane PU, 30/70 Shore	Yellow / Green	30/70 Shore	+10 ÷ +45 °C
Polyurethane PU, 50 Shore	Green	50 Shore	+10 ÷ +45 °C

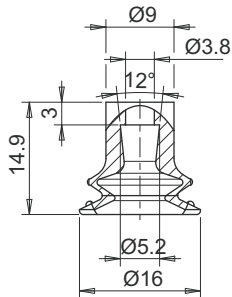
Identification codes			
Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.BP15.30/70.M5M	VG.BP15 suction cup, polyurethane, 30/70 Shore, M5 male	1511005
A	VG.BP15.50.M5M	VG.BP15 suction cup, polyurethane, 50 Shore, M5 male	1521005

A



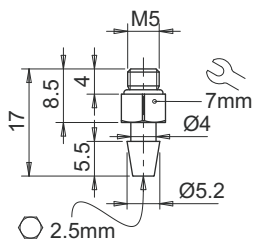
Identification codes			
Drawing	Alphanumeric code	Suction cups	Order code
B	VG.BP15.30/70	VG.BP15 suction cup, polyurethane, 30/70 Shore	1511000
B	VG.BP15.50	VG.BP15 suction cup, polyurethane, 50 Shore	1521000

B



Identification codes			
Drawing	Alphanumeric code	Fittings	Order code
A	FT.M5M	M5 male fitting	1600005

A



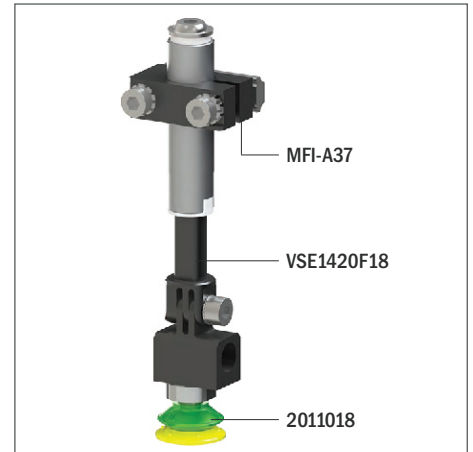
Suction cups / Polyurethane

VG.BP20 suction cups in polyurethane with bellows

- Suitable for minimal level compensations, with high stability
- Excellent gripping performance on corrugated or porous surfaces, or non-sealed surfaces, such as cardboard, plastic items and composite materials with uneven surface
- Also suitable for applications with lifting forces parallel to the surface
- Features an exceptional elastic memory
- Available with 50 Shore hardness, green colour
- Available with 30/70 Shore hardness. The two-colour suction cup is robust and flexible at the same time



Application example



Technical data

Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU30/70	5	14.3	15.1	3.5	7.3	9.9	1.04	5.5	4.6	1.1
PU50	5.6	14.9	22.1	6.9	10	15.2	1.04	9	4.6	1.1

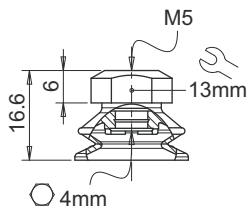
Technical features

Material	Colour	Hardness	Temperature range
Polyurethane PU, 30/70 Shore	Yellow / Green	30/70 Shore	+10 ÷ +45 °C
Polyurethane PU, 50 Shore	Green	50 Shore	+10 ÷ +45 °C

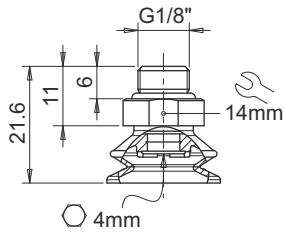
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.BP20.30/70.M5F	VG.BP20 suction cup, polyurethane, 30/70 Shore, M5 female	2011006
B	VG.BP20.30/70.G18M	VG.BP20 suction cup, polyurethane, 30/70 Shore, G1/8" male	2011018
C	VG.BP20.30/70.G18MF	VG.BP20 suction cup, polyurethane, 30/70 Shore, G1/8" male / M5 female	2011016
C	VG.BP20.30/70.G18M5FV	VG.BP20 suction cup, polyurethane, 30/70 Shore, G1/8" male / M5 female, with flow control valve	2011007
A	VG.BP20.50.M5F	VG.BP20 suction cup, polyurethane, 50 Shore, M5 female	2021006
B	VG.BP20.50.G18M	VG.BP20 suction cup, polyurethane, 50 Shore, G1/8" male	2021018
C	VG.BP20.50.G18MF	VG.BP20 suction cup, polyurethane, 50 Shore, G1/8" male / M5 female	2021016
C	VG.BP20.50.G18MFV	VG.BP20 suction cup, polyurethane, 50 Shore, G1/8" male / M5 female, with flow control valve	2021007

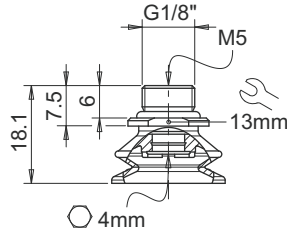
[A]



[B]



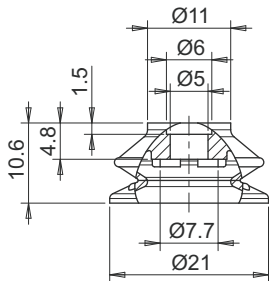
[C]



Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
B	VG.BP20.30/70	VG.BP20 suction cup, polyurethane, 30/70 Shore	2011000
B	VG.BP20.50	VG.BP20 suction cup, polyurethane, 50 Shore	2021000

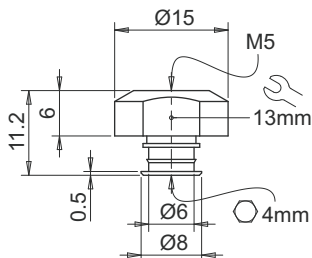
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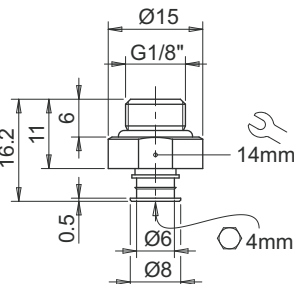
Identification codes

Drawing	Alphanumeric code	Fittings	Order code
A	FT.M5F	Fitting, M5 female	1700006
B	FT.G18M.17	G1/8" male fitting	1700018
C	FT.G18M.M5F	G1/8" male / M5 female fitting	1700016
C	FT.G18M.M5F.VF	G1/8" male / M5 female fitting, with valve	1700017

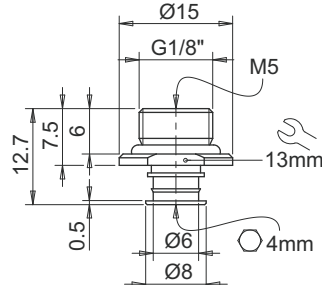
[A]



[B]



[C]



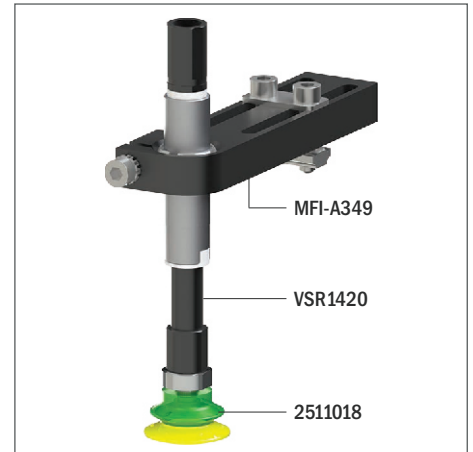
Suction cups / Polyurethane

VG.BP25 polyurethane suction cups with bellows

- Suitable for minimal level compensations, with high stability
- Excellent gripping performance on corrugated or porous surfaces, or non-sealed surfaces, such as cardboard, plastic items and composite materials with uneven surface
- Also suitable for applications with lifting forces parallel to the surface
- Features an exceptional elastic memory
- Available with 50 Shore hardness, green colour
- Available with 30/70 Shore hardness. The two-colour suction cup is robust and flexible at the same time



Application example



Technical data

Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU30/70	8.2	18	23.9	8.1	11.9	15.2	1.63	9	5.5	1.8
PU50	8.7	24.8	32.2	8.3	12.9	18.2	1.63	11	5.5	1.8

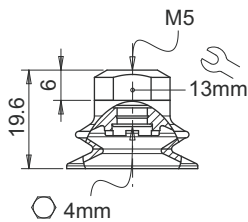
Technical features

Material	Colour	Hardness	Temperature range
Polyurethane PU, 30/70 Shore	Yellow / Green	30/70 Shore	+10 ÷ +45 °C
Polyurethane PU, 50 Shore	Green	50 Shore	+10 ÷ +45 °C

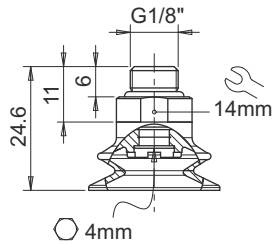
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.BP25.30/70.M5F	VG.BP25 suction cup, polyurethane, 30/70 Shore, M5 female	2511006
B	VG.BP25.30/70.G18M	VG.BP25 suction cup, polyurethane, 30/70 Shore, G1/8" male	2511018
C	VG.BP25.30/70.G18MF	VG.BP25 suction cup, polyurethane, 30/70 Shore, G1/8" male / M5 female	2511016
C	VG.BP25.30/70.G18MFV	VG.BP25 suction cup, polyurethane, 30/70 Shore, G1/8" male / M5 female, with flow control valve	2511007
A	VG.BP25.50.M5F	VG.BP25 suction cup, polyurethane, 50 Shore, M5 female	2521006
B	VG.BP25.50.G18M	VG.BP25 suction cup, polyurethane, 50 Shore, G1/8" male	2521018
C	VG.BP25.50.G18MF	VG.BP25 suction cup, polyurethane, 50 Shore, G1/8" male / M5 female	2521016
C	VG.BP25.50.G18MFV	VG.BP25 suction cup, polyurethane, 50 Shore, G1/8" male / M5 female, with flow control valve	2521007

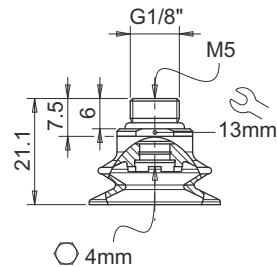
[A]



[B]



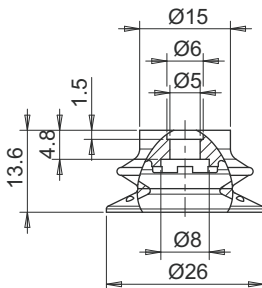
[C]



Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
B	VG.BP25.30/70	VG.BP25 suction cup, polyurethane, 30/70 Shore	2511000
B	VG.BP25.50	VG.BP25 suction cup, polyurethane, 50 Shore	2521000

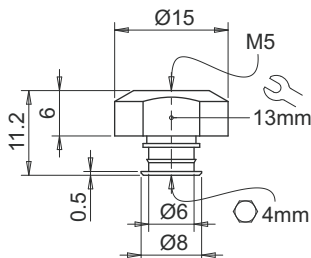
[B]



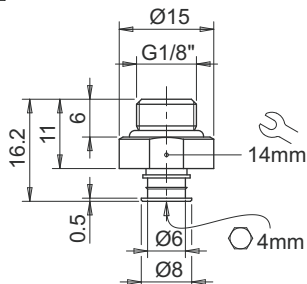
Identification codes

Drawing	Alphanumeric code	Fittings	Order code
A	FT.M5F	Fitting, M5 female	1700006
B	FT.G18M.17	G1/8" male fitting	1700018
C	FT.G18M.M5F	G1/8" male / M5 female fitting	1700016
C	FT.G18M.M5F.VF	G1/8" male / M5 female fitting, with flow control valve	1700017

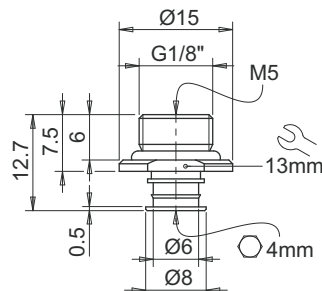
[A]



[B]



[C]



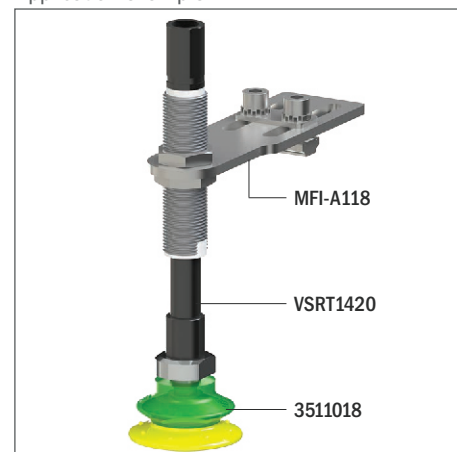
Suction cups / Polyurethane

VG.BP35 suction cups in polyurethane with bellows

- Suitable for minimal level compensations, with high stability
- Excellent gripping performance on corrugated or porous surfaces, or non-sealed surfaces, such as cardboard, plastic items and composite materials with uneven surface
- Also suitable for applications with lifting forces parallel to the surface
- Features an exceptional elastic memory
- Available with 50 Shore hardness, green colour
- Available with 30/70 Shore hardness. The two-colour suction cup is robust and flexible at the same time



Application example



Technical data

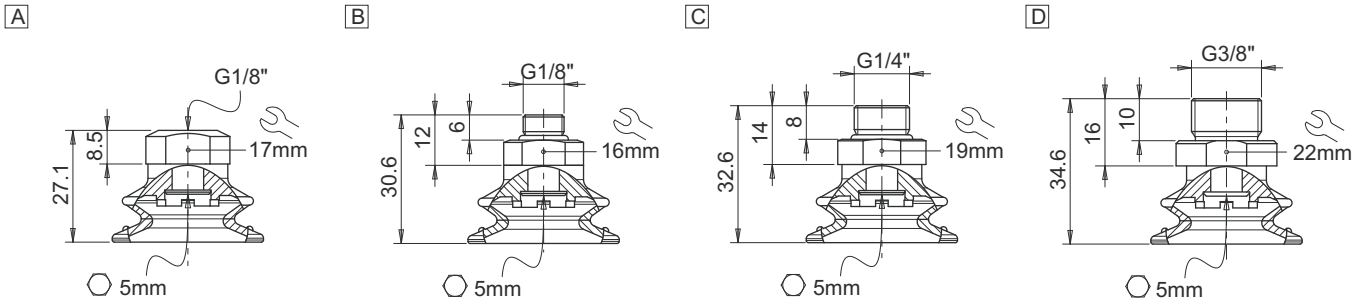
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU30/70	15	38	40	13	30	35	4.4	16	9.5	5.1
PU50	17.8	49	44	15	33	42	4.4	17.5	9.5	5.1

Technical features

Material	Colour	Hardness	Temperature range
Polyurethane PU, 30/70 Shore	Yellow / Green	30/70 Shore	+10 ÷ +45 °C
Polyurethane PU, 50 Shore	Green	50 Shore	+10 ÷ +45 °C

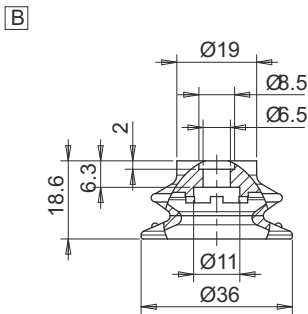
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.BP35.30/70.G18F	VG.BP35 suction cup, polyurethane, 30/70 Shore, G1/8" female	3511019
B	VG.BP35.30/70.G18M	VG.BP35 suction cup, polyurethane, 30/70 Shore, G1/8" male	3511018
C	VG.BP35.30/70.G14M	VG.BP35 suction cup, polyurethane, 30/70 Shore, G1/4" male	3511014
D	VG.BP35.30/70.G38M	VG.BP35 suction cup, polyurethane, 30/70 Shore, G3/8" male	3511038
A	VG.BP35.50.G18F	VG.BP35 suction cup, polyurethane, 50 Shore, G1/8" female	3521019
B	VG.BP35.50.G18M	VG.BP35 suction cup, polyurethane, 50 Shore, G1/8" male	3521018
C	VG.BP35.50.G14M	VG.BP35 suction cup, polyurethane, 50 Shore, G1/4" male	3521014
D	VG.BP35.50.G38M	VG.BP35 suction cup, polyurethane, 50 Shore, G3/8" male	3521038



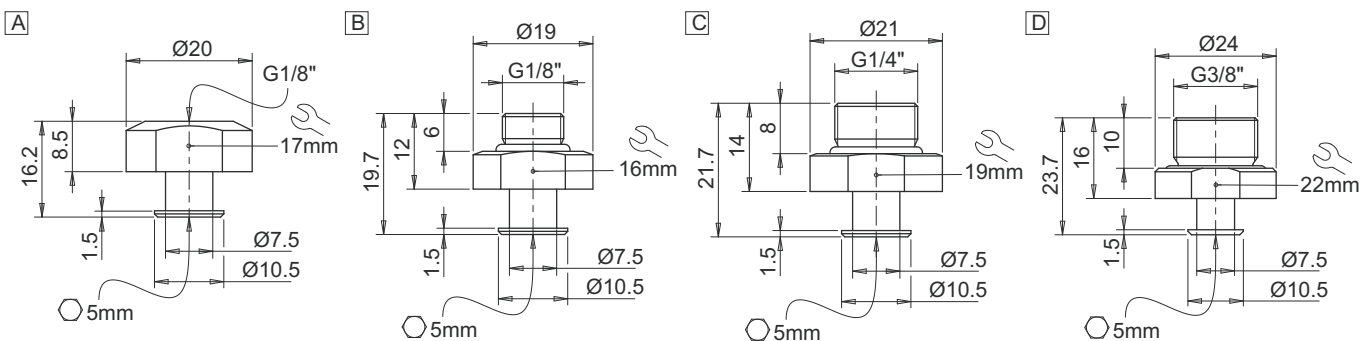
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
B	VG.BP35.30/70	VG.BP35 suction cup, polyurethane, 30/70 Shore	3511000
B	VG.BP35.50	VG.BP35 suction cup, polyurethane, 50 Shore	3521000



Identification codes

Drawing	Alphanumeric code	Fittings	Order code
A	FT.G18F.18	G1/8" female fitting	1800019
B	FT.G18M.18	G1/8" male fitting	1800018
C	FT.G14M.18	G1/4" male fitting	1800014
D	FT.G38M.18	G3/8" male fitting	1800038



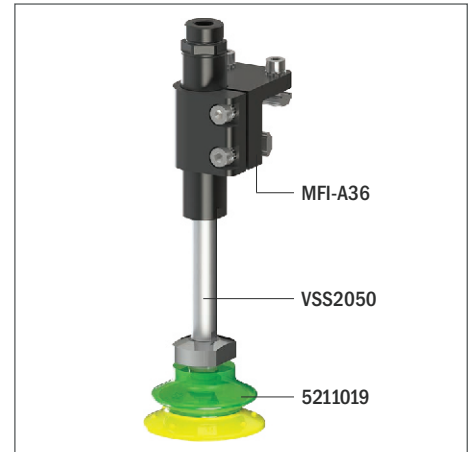
Suction cups / Polyurethane

VG.BP52 suction cups in polyurethane with bellows

- Suitable for minimal level compensations, with high stability
- Excellent gripping performance on corrugated or porous surfaces, or non-sealed surfaces, such as cardboard, plastic items and composite materials with uneven surface
- Also suitable for applications with lifting forces parallel to the surface
- Features an exceptional elastic memory
- Available with 50 Shore hardness, green colour
- Available with 30/70 Shore hardness. The two-colour suction cup is robust and flexible at the same time



Application example



Technical data

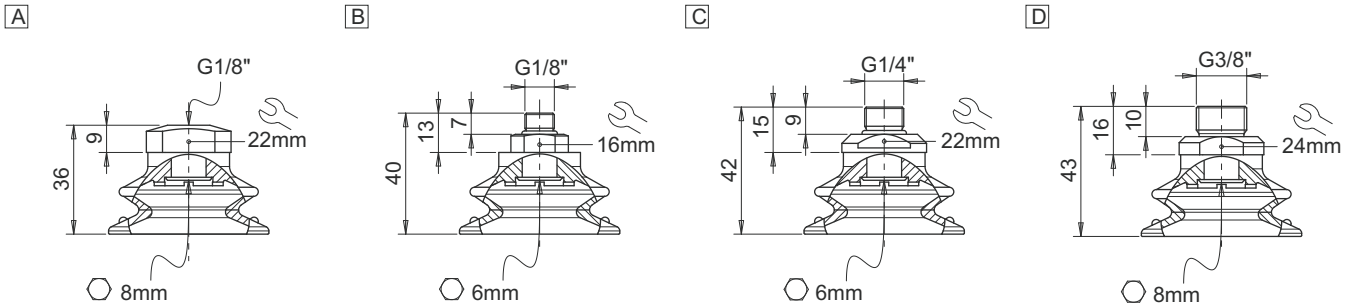
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU30/70	34.8	90	86	30	65	80	13.3	25	11.2	14.2
PU50	41.6	103	100	39	69	88	13.3	29	11.2	14.1

Technical features

Material	Colour	Hardness	Temperature range
Polyurethane PU, 30/70 Shore	Yellow / Green	30/70 Shore	+10 ÷ +45 °C
Polyurethane PU, 50 Shore	Green	50 Shore	+10 ÷ +45 °C

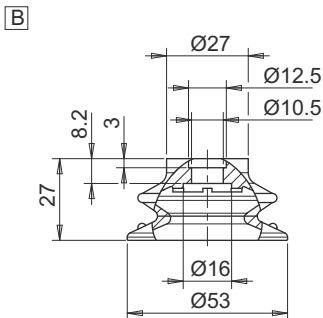
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.BP52.30/70.G18F	VG.BP52 suction cup, polyurethane, 30/70 Shore, G1/8" female	5211019
B	VG.BP52.30/70.G18M	VG.BP52 suction cup, polyurethane, 30/70 Shore, G1/8" male	5211018
C	VG.BP52.30/70.G14M	VG.BP52 suction cup, polyurethane, 30/70 Shore, G1/4" male	5211014
D	VG.BP52.30/70.G38M	VG.BP52 suction cup, polyurethane, 30/70 Shore, G3/8" male	5211038
A	VG.BP52.50.G18F	VG.BP52 suction cup, polyurethane, 50 Shore, G1/8" female	5221019
B	VG.BP52.50.G18M	VG.BP52 suction cup, polyurethane, 50 Shore, G1/8" male	5221018
C	VG.BP52.50.G14M	VG.BP52 suction cup, polyurethane, 50 Shore, G1/4" male	5221014
D	VG.BP52.50.G38M	VG.BP52 suction cup, polyurethane, 50 Shore, G3/8" male	5221038



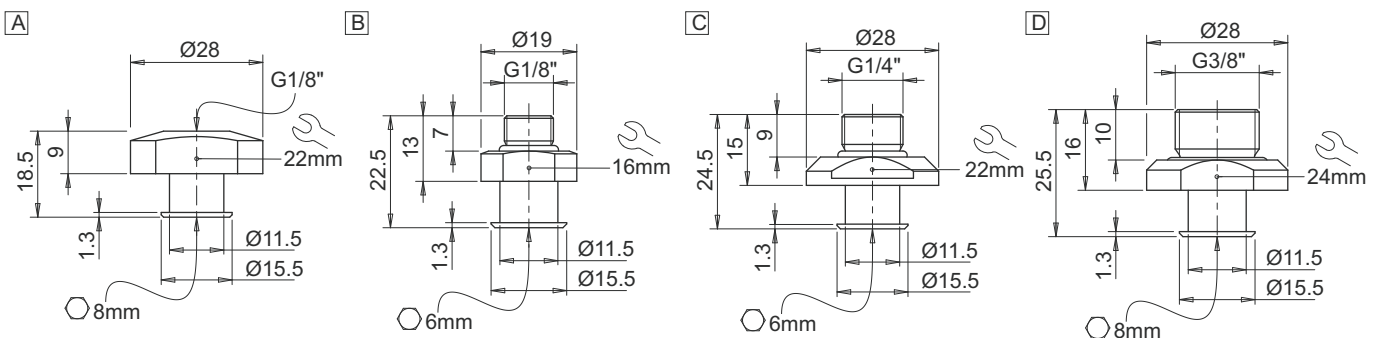
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
B	VG.BP52.30/70	VG.BP52 suction cup, polyurethane, 30/70 Shore	5211000
B	VG.BP52.50	VG.BP52 suction cup, polyurethane, 50 Shore	5221000



Identification codes

Drawing	Alphanumeric code	Fittings	Order code
A	FT.G18F.19	G1/8" female fitting	1900019
B	FT.G18M.19	G1/8" male fitting	1900018
C	FT.G14M.19	G1/4" male fitting	1900014
D	FT.G38M.198	G3/8" male fitting	1900038



Suction cups / Polyurethane

VG.BP75 suction cups in polyurethane with bellows

- Suitable for minimal level compensations, with high stability
- Excellent gripping performance on corrugated or porous surfaces, or non-sealed surfaces, such as cardboard, plastic items and composite materials with uneven surface
- Also suitable for applications with lifting forces parallel to the surface
- Features an exceptional elastic memory
- Available with 50 Shore hardness, green colour
- Available with 30/70 Shore hardness. The two-colour suction cup is robust and flexible at the same time



Application example



Technical data

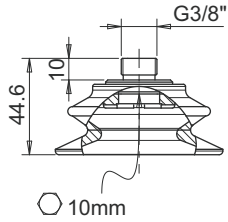
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU30/70	78.2	190	230	60.9	152	183	42.8	50	16	39.7
PU50	92.4	254	297	80.2	197	230	42.8	60	16	39.7

Technical features

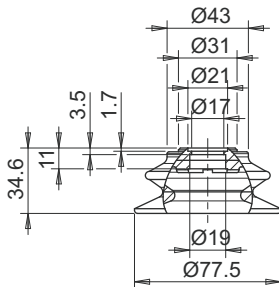
Material	Colour	Hardness	Temperature range
Polyurethane PU, 30/70 Shore	Yellow / Green	30/70 Shore	+10 ÷ +45 °C
Polyurethane PU, 50 Shore	Green	50 Shore	+10 ÷ +45 °C

Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.BP75.30/70.G38M	VG.BP75 suction cup, polyurethane, 30/70 Shore, G3/8" male	7511038
A	VG.BP75.50.G38M	VG.BP75 suction cup, polyurethane, 50 Shore, G3/8" male	7521038

A

Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
B	VG.BP75.30/70	VG.BP75 suction cup, polyurethane, 30/70 Shore	7511000
B	VG.BP75.50	VG.BP75 suction cup, polyurethane, 50 Shore	7521000

B

Identification codes

Drawing	Alphanumeric code	Fittings	Order code
A	FT.G38M.199	G3/8" male fitting	1900039

A
