

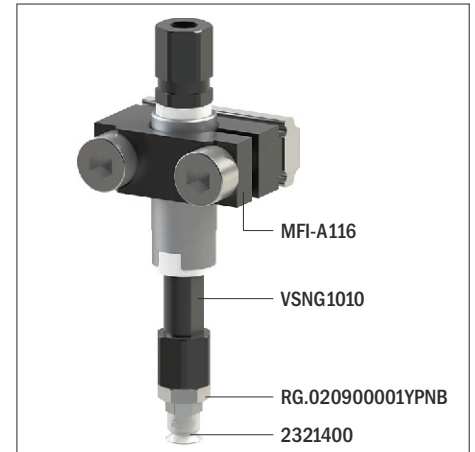
Suction cups / FDA-compliant silicone

VG.U6F flat FDA-compliant silicone suction cups

- Food-grade silicone compound (FDA-approved)
- Suitable for high working temperatures
- Suitable for objects with flat or slightly curved surfaces



Application example



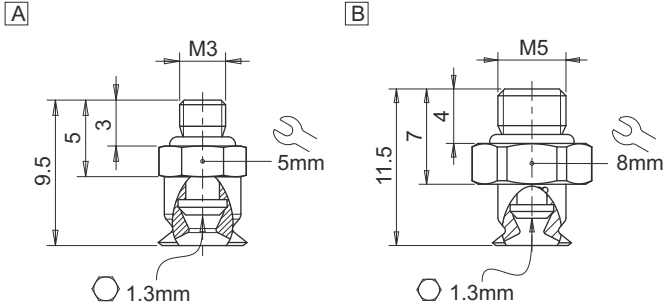
Technical data

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 vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50 FDA	0.5	1.5	2.5	0.5	1.3	2.2	0.05	5	0.3	0.14

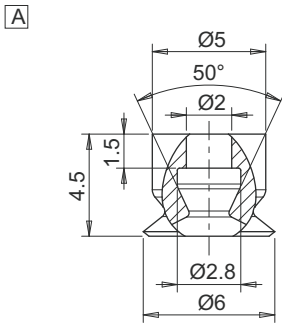
Technical features

Material	Colour	Hardness	Temperature range
Silicone, FDA SIL	Transparent	50 Shore	-70 + +200 °C

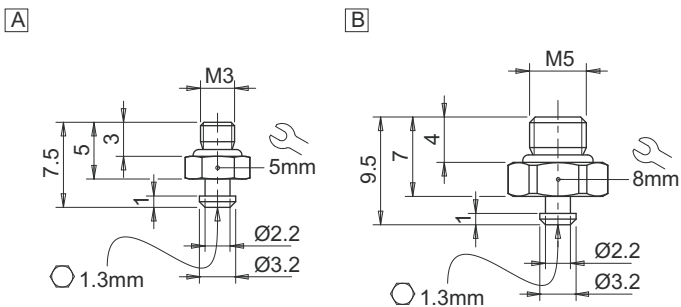
Ordering information			
Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.U6F.50.M3M.E5	VG.U6 suction cup, FDA-compliant silicone, 50 Shore, M3 male, 5 mm hex	2321400
B	VG.U6F.50.M5M.E8	VG.U6 suction cup, FDA-compliant silicone, 50 Shore, M5 male, 8 mm hex	2321000



Ordering information			
Drawing	Alphanumeric code	Suction cups	Order code
A	VG.U6F.50	VG.U6 suction cup, FDA-compliant silicone, 50 Shore	2321401



Ordering information			
Drawing	Alphanumeric code	Fittings	Order code
A	FT.M3M.E5	M3 male fitting, 5 mm hex	2321402
B	FT.M5M.E8.06	M5 male fitting, 8 mm hex	2321005



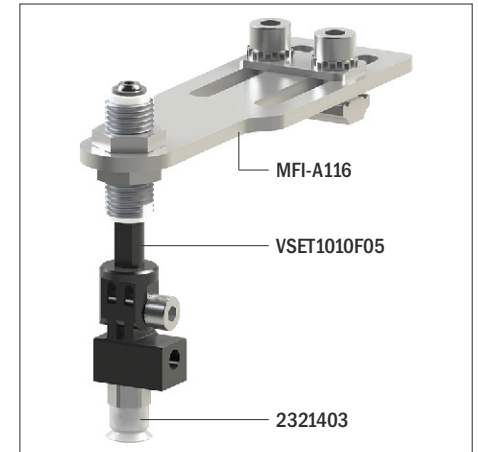
Suction cups / FDA-compliant silicone

VG.U9F flat FDA-compliant silicone suction cups

- Food-grade silicone compound (FDA-approved)
- Suitable for high working temperatures
- Suitable for objects with flat or slightly curved surfaces



Application example



Technical data

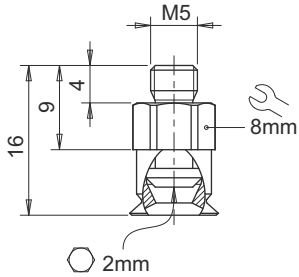
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50 FDA	1	2.5	3.8	1	2.5	3.5	0.1	6	0.5	0.2

Technical features

Material	Colour	Hardness	Temperature range
Silicone, FDA SIL	Transparent	50 Shore	-70 + +200 °C

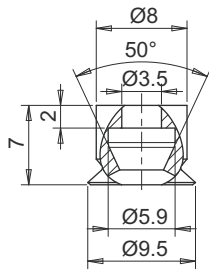
Ordering information			
Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.U9F.50.M5M.E8	VG.U9 suction cup, FDA-compliant silicone, 50 Shore, M5 male, 8 mm hex	2321403

A



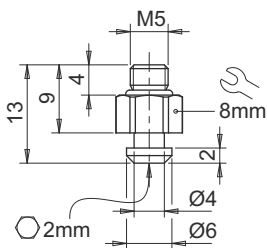
Ordering information			
Drawing	Alphanumeric code	Suction cups	Order code
A	VG.U9F.50	VG.U9 suction cup, FDA-compliant silicone, 50 Shore	2321404

A



Ordering information			
Drawing	Alphanumeric code	Fittings	Order code
A	FT.M5M.E8.05	M5 male fitting, 8 mm hex	2321405

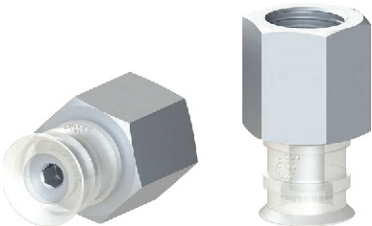
A



Suction cups / FDA-compliant silicone

VG.U11F flat FDA-compliant silicone suction cups

- Food-grade silicone compound (FDA-approved)
- Suitable for high working temperatures
- Suitable for objects with flat or slightly curved surfaces



Application example

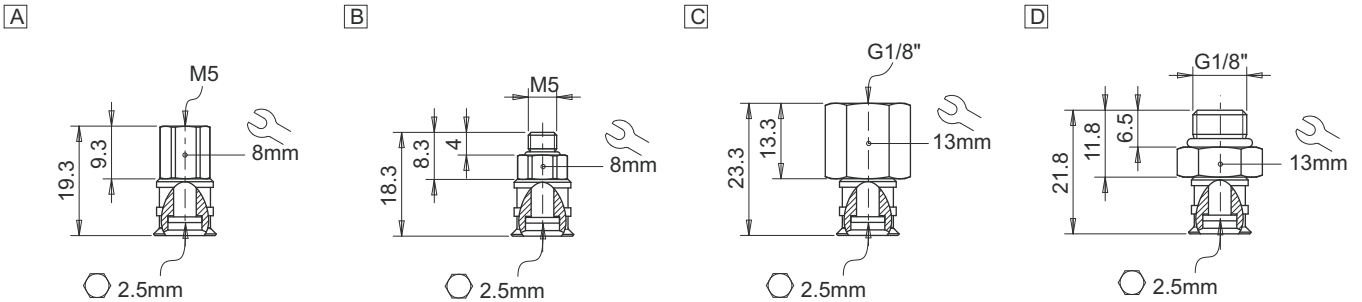


Technical data										
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm³]	Min curve radius [mm]	Max vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50 FDA	1.5	4.1	6.2	1.5	4.1	6.2	0.18	8	0.5	0.5

Technical features			
Material	Colour	Hardness	Temperature range
Silicone, FDA SIL	Transparent	50 Shore	-70 + +200 °C

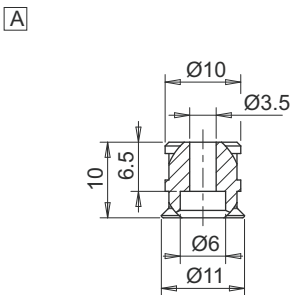
Ordering information

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.U11F.50.M5F.E8	VG.U11 suction cup, FDA-compliant silicone, 50 Shore, M5 female, 8 mm hex	2321406
B	VG.U11F.50.M5M.E8	VG.U11 suction cup, FDA-compliant silicone, 50 Shore, M5 male, 8 mm hex	2321409
C	VG.U11F.50.G18F.E13	VG.U11 suction cup, FDA-compliant silicone, 50 Shore, G1/8" female, 13 mm hex	2321411
D	VG.U11F.50.G18M.E13	VG.U11 suction cup, FDA-compliant silicone, 50 Shore, G1/8" male, 13 mm hex	2321413



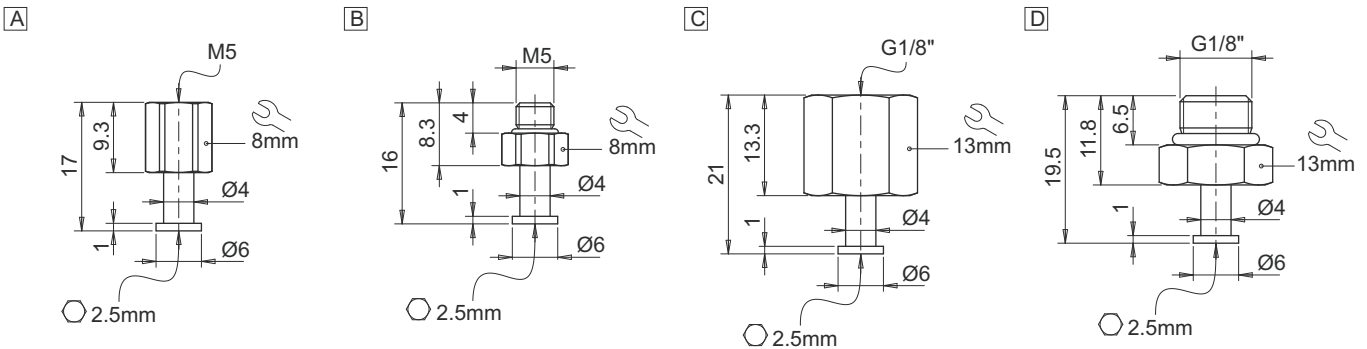
Ordering information

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.U11F.50	VG.U11 suction cup, FDA-compliant silicone, 50 Shore	2321407



Ordering information

Drawing	Alphanumeric code	Fittings	Order code
A	FT.M5F.E8	M5 female fitting, 8 mm hex	2321408
B	FT.M5M.E8	M5 male fitting, 8 mm hex	2321410
C	FT.G18F.E13	G1/8" female fitting, 13 mm hex	2321412
D	FT.G18M.E13	G1/8" male fitting, 13 mm hex	2321414



Suction cups / FDA-compliant silicone

VG.U16F flat FDA-compliant silicone suction cups

- Food-grade silicone compound (FDA-approved)
- Suitable for high working temperatures
- Suitable for objects with flat or slightly curved surfaces



Application example

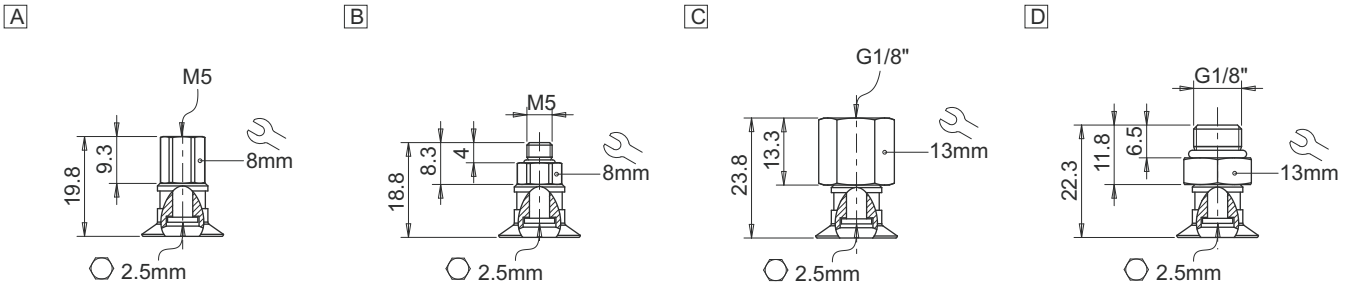


Technical data										
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm³]	Min curve radius [mm]	Max vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50 FDA	3	8.5	11	3	8.5	11	0.5	8	1.5	0.6

Technical features			
Material	Colour	Hardness	Temperature range
Silicone, FDA SIL	Transparent	50 Shore	-70 ÷ +200 °C

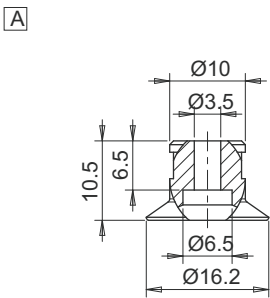
Ordering information

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.U16F.50.M5F.E8	VG.U16 suction cup, FDA-compliant silicone, 50 Shore, M5 female, 8 mm hex	2321415
B	VG.U16F.50.M5M.E8	VG.U16 suction cup, FDA-compliant silicone, 50 Shore, M5 male, 8 mm hex	2321417
C	VG.U16F.50.G18F.E13	VG.U16 suction cup, FDA-compliant silicone, 50 Shore, G1/8" female, 13 mm hex	2321418
D	VG.U16F.50.G18M.E13	VG.U16 suction cup, FDA-compliant silicone, 50 Shore, G1/8" male, 13 mm hex	2321419



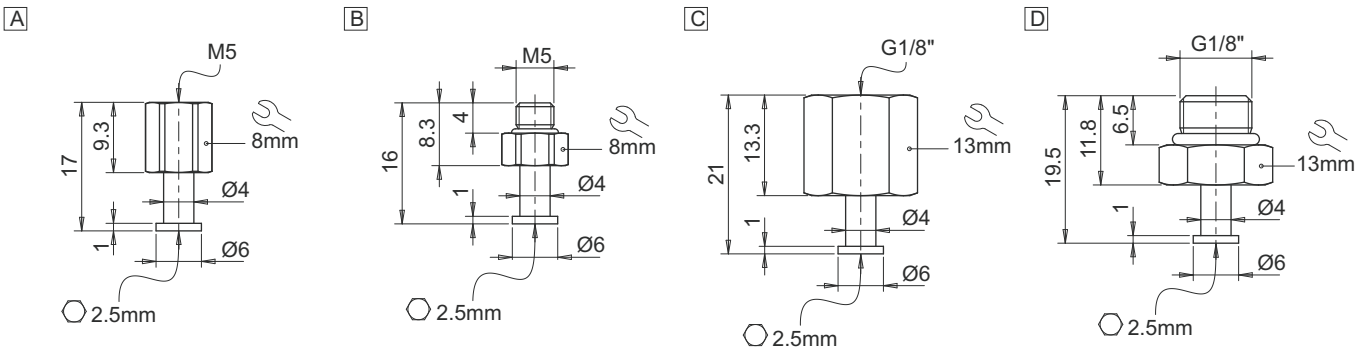
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.U16F.50	VG.U16 suction cup, FDA-compliant silicone, 50 Shore	2321416



Identification codes

Drawing	Alphanumeric code	Fittings	Order code
A	FT.M5F.E8	M5 female +tting, 8 mm hex	2321408
B	FT.M5M.E8	M5 male +tting, 8 mm hex	2321410
C	FT.G18F.E13	G1/8" female +tting, 13 mm hex	2321412
D	FT.G18M.E13	G1/8" male +tting, 13 mm hex	2321414



Suction cups / FDA-compliant silicone

VG.U22F flat FDA-compliant silicone suction cups

- Food-grade silicone compound (FDA-approved)
- Suitable for high working temperatures
- Suitable for objects with flat or slightly curved surfaces



Application example



Technical data

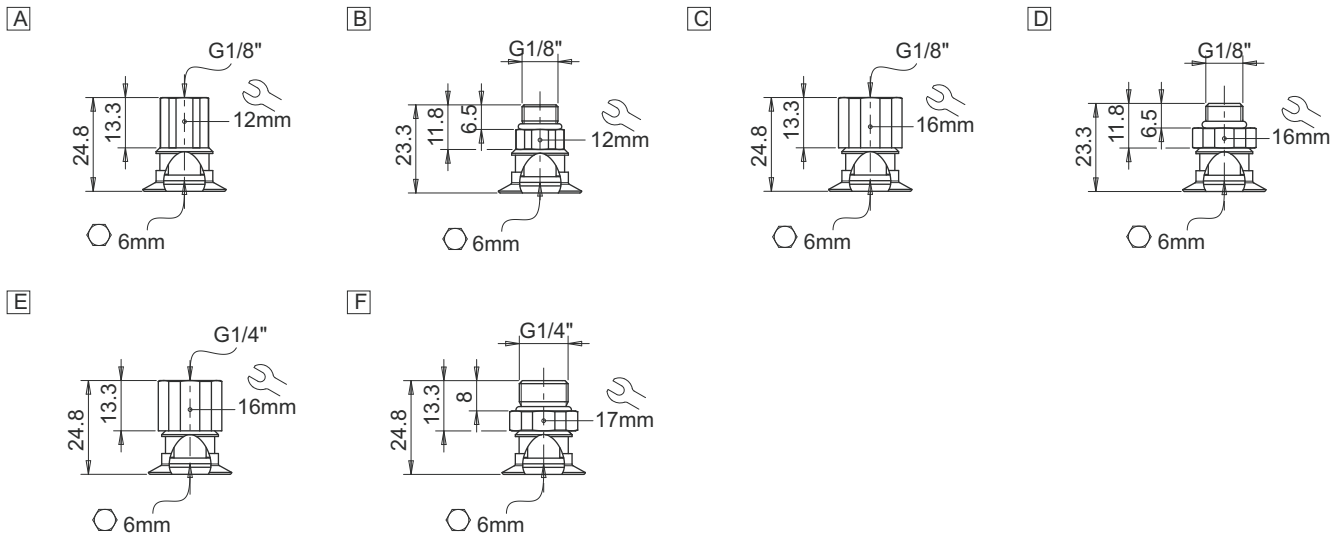
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50 FDA	5.6	14	20	6	14	20	1	13	2.5	1.1

Technical features

Material	Colour	Hardness	Temperature range
Silicone, FDA SIL	Transparent	50 Shore	-70 ÷ +200 °C

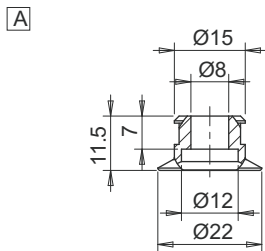
Ordering information

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.U22F.50.G18F.E12	VG.U22 suction cup, FDA-compliant silicone, 50 Shore, G1/8" female, 12 mm height	2321420
B	VG.U22F.50.G18M.E12	VG.U22 suction cup, FDA-compliant silicone, 50 Shore, G1/8" male, 12 mm height	2321423
C	VG.U22F.50.G18F.E16	VG.U22 suction cup, FDA-compliant silicone, 50 Shore, G1/8" female, 16 mm height	2321425
D	VG.U22F.50.G18M.E16	VG.U22 suction cup, FDA-compliant silicone, 50 Shore, G1/8" male, 16 mm height	2321427
E	VG.U22F.50.G14F.E16	VG.U22 suction cup, FDA-compliant silicone, 50 Shore, G1/4" female, 16 mm height	2321429
F	VG.U22F.50.G14M.E17	VG.U22 suction cup, FDA-compliant silicone, 50 Shore, G1/4" male, 17 mm height	2321431



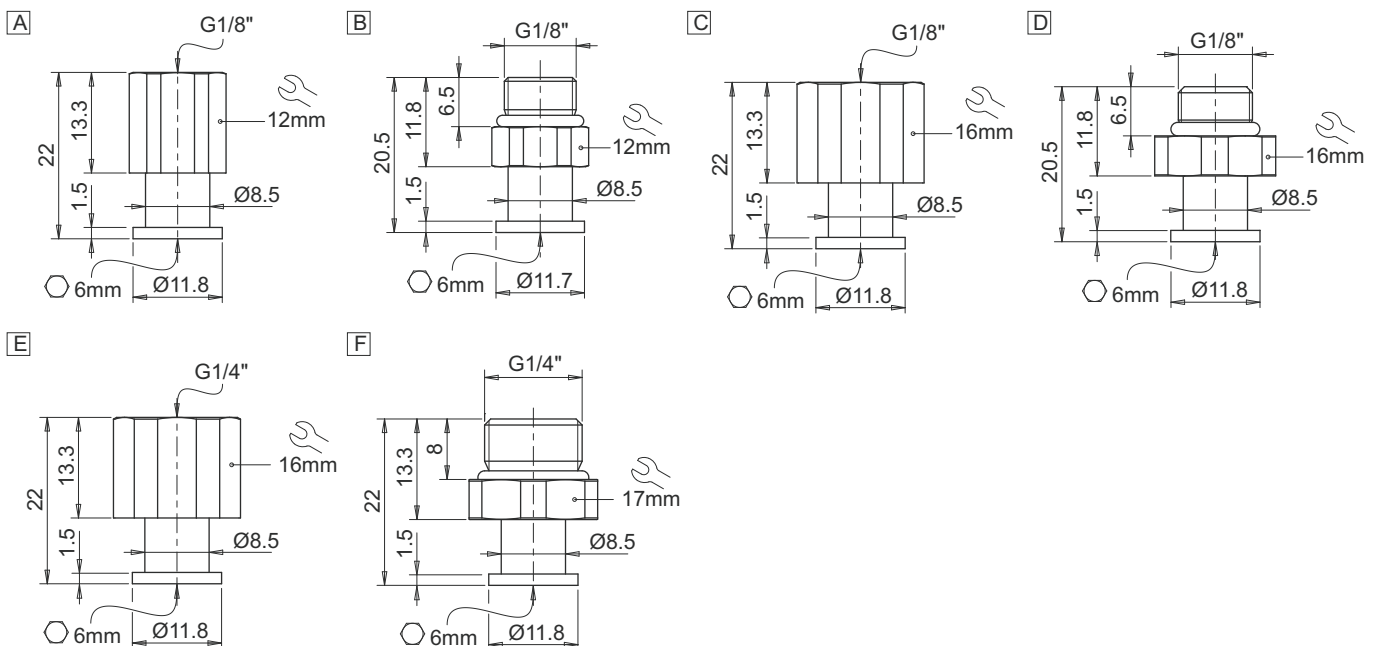
Ordering information

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.U22F.50	VG.U22 suction cup, FDA-compliant silicone, 50 Shore	2321421



Ordering information

Drawing	Alphanumeric code	Fittings	Order code
A	FT.G18FE12	G1/8" female fitting, 12 mm hex	2321422
B	FT.G18ME12	G1/8" male fitting, 12 mm hex	2321424
C	FT.G18FE16	G1/8" female fitting, 16 mm hex	2321426
D	FT.G18ME16	G1/8" male fitting, 16 mm hex	2321428
E	FT.G14FE16	G1/4" female fitting, 16 mm hex	2321430
F	FT.G14ME17	G1/4" male fitting, 17 mm hex	2321432



Suction cups / FDA-compliant silicone

VG.U33F flat FDA-compliant silicone suction cups

- Food-grade silicone compound (FDA-approved)
- Suitable for high working temperatures
- Suitable for objects with flat or slightly curved surfaces



Application example



Technical data

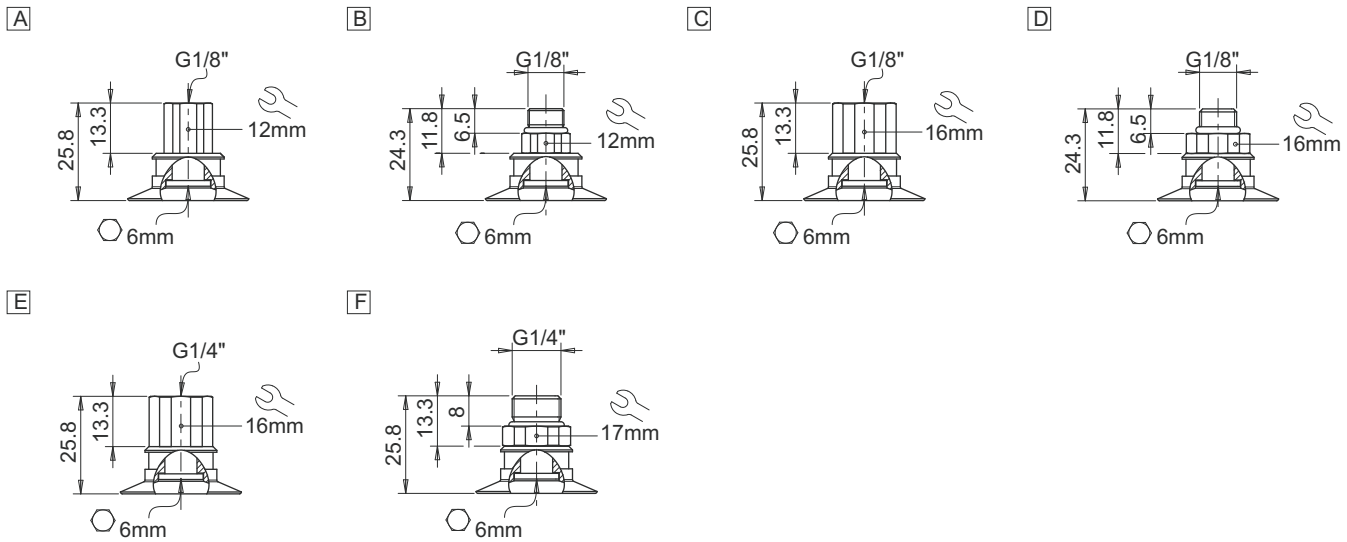
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm³]	Min curve radius [mm]	Max vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50 FDA	11	29	38	8.5	15	12.5	2	20	3.5	2.4

Technical features

Material	Colour	Hardness	Temperature range
Silicone, FDA SIL	Transparent	50 Shore	-70 ÷ +200 °C

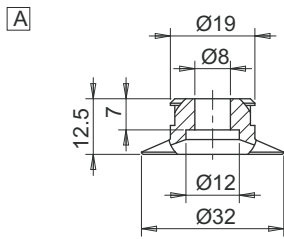
Ordering information

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.U33F.50.G18F.E12	VG.U33 suction cup, FDA-compliant silicone, 50 Shore, G1/8" female, 12 mm height	2321433
B	VG.U33F.50.G18M.E12	VG.U33 suction cup, FDA-compliant silicone, 50 Shore, G1/8" male, 12 mm height	2321435
C	VG.U33F.50.G18F.E16	VG.U33 suction cup, FDA-compliant silicone, 50 Shore, G1/8" female, 16 mm height	2321436
D	VG.U33F.50.G18M.E16	VG.U33 suction cup, FDA-compliant silicone, 50 Shore, G1/8" male, 16 mm height	2321437
E	VG.U33F.50.G14F.E16	VG.U33 suction cup, FDA-compliant silicone, 50 Shore, G1/4" female, 16 mm height	2321438
F	VG.U33F.50.G14M.E17	VG.U33 suction cup, FDA-compliant silicone, 50 Shore, G1/4" male, 17 mm height	2321439



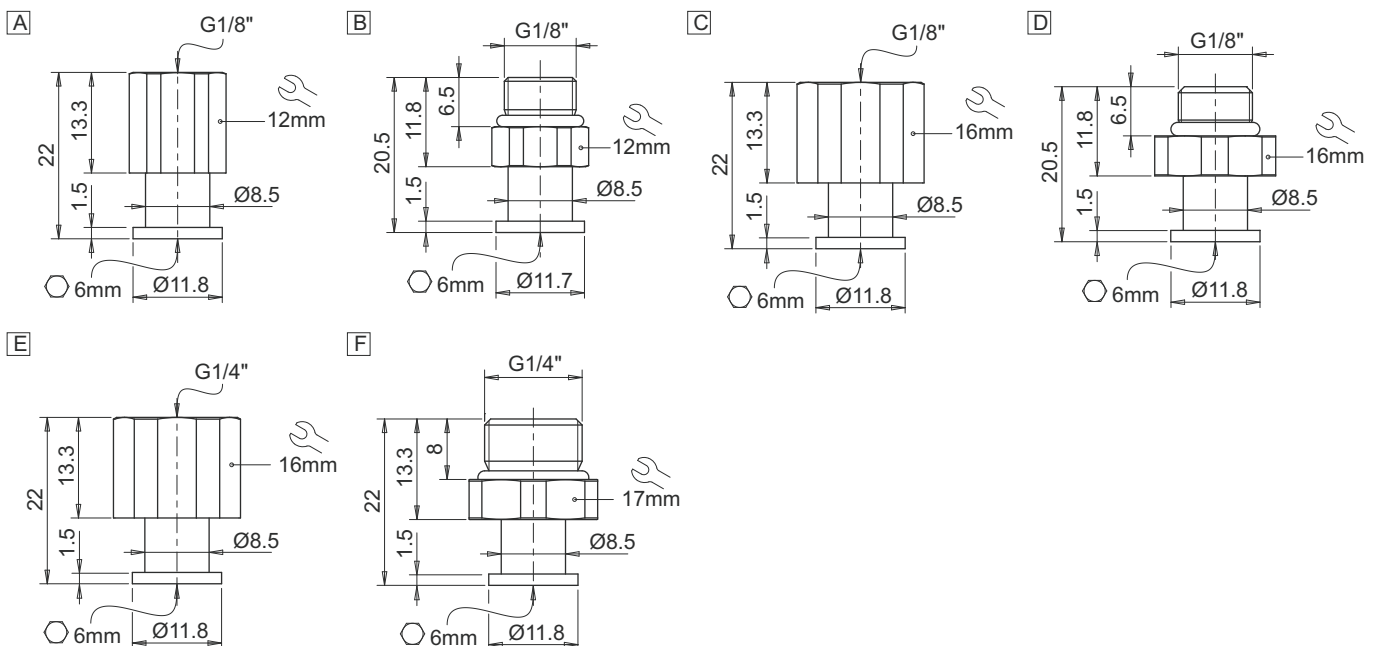
Ordering information

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.U33F.50	VG.U33 suction cup, FDA-compliant silicone, 50 Shore	2321434



Ordering information

Drawing	Alphanumeric code	Fittings	Order code
A	FT.G18FE12	G1/8" female fitting, 12 mm hex	2321422
B	FT.G18ME12	G1/8" male fitting, 12 mm hex	2321424
C	FT.G18FE16	G1/8" female fitting, 16 mm hex	2321426
D	FT.G18ME16	G1/8" male fitting, 16 mm hex	2321428
E	FT.G14FE16	G1/4" female fitting, 16 mm hex	2321430
F	FT.G14ME17	G1/4" male fitting, 17 mm hex	2321432



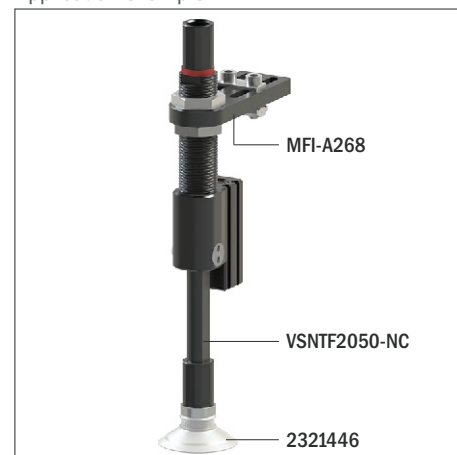
Suction cups / FDA-compliant silicone

VG.U42F flat FDA-compliant silicone suction cups

- Food-grade silicone compound (FDA-approved)
- Suitable for high working temperatures
- Suitable for objects with flat or slightly curved surfaces



Application example



Technical data

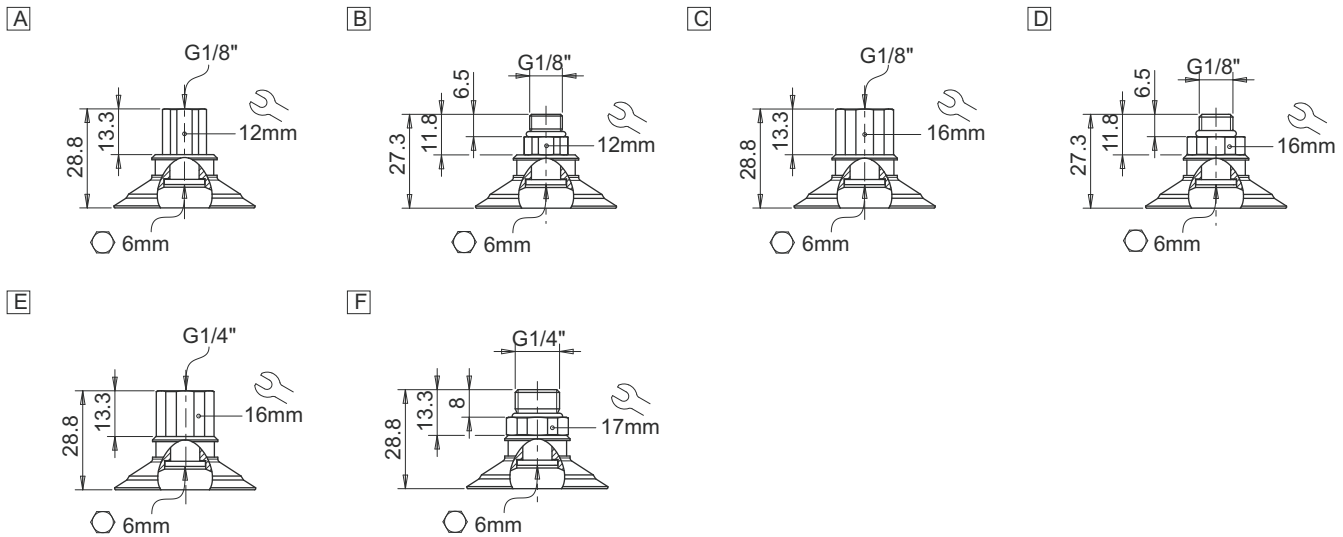
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm³]	Min curve radius [mm]	Max vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50 FDA	21	48.5	58	14	28	36	5.5	30	4.5	4.4

Technical features

Material	Colour	Hardness	Temperature range
Silicone, FDA SIL	Transparent	50 Shore	-70 ÷ +200 °C

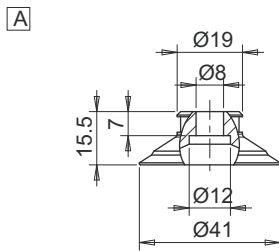
Ordering information

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.U42F.50.G18F.E12	VG.U42 suction cup, FDA-compliant silicone, 50 Shore, G1/8" female, 12 mm height	2321440
B	VG.U42F.50.G18M.E12	VG.U42 suction cup, FDA-compliant silicone, 50 Shore, G1/8" male, 12 mm height	2321442
C	VG.U42F.50.G18F.E16	VG.U42 suction cup, FDA-compliant silicone, 50 Shore, G1/8" female, 16 mm height	2321443
D	VG.U42F.50.G18M.E16	VG.U42 suction cup, FDA-compliant silicone, 50 Shore, G1/8" male, 16 mm height	2321444
E	VG.U42F.50.G14F.E16	VG.U42 suction cup, FDA-compliant silicone, 50 Shore, G1/4" female, 16 mm height	2321445
F	VG.U42F.50.G14M.E17	VG.U42 suction cup, FDA-compliant silicone, 50 Shore, G1/4" male, 17 mm height	2321446



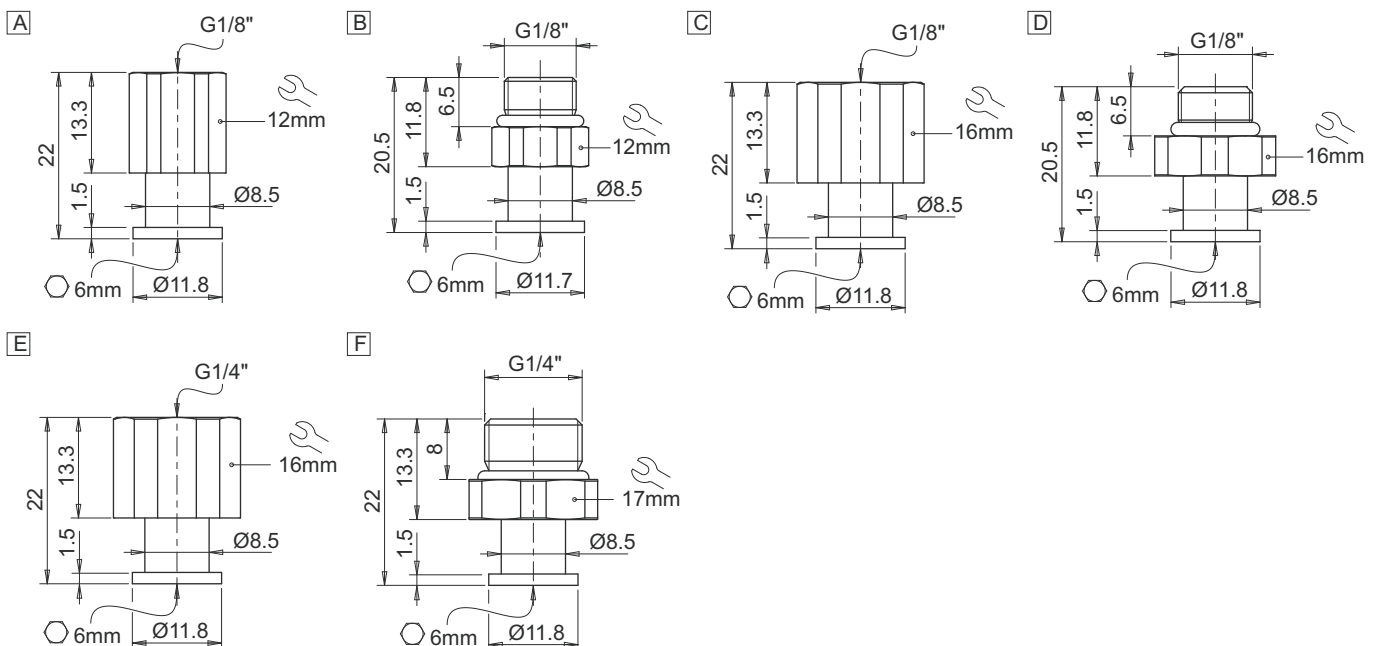
Ordering information

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.U42F.50	VG.U42 suction cup, FDA-compliant silicone, 50 Shore	2321441



Ordering information

Drawing	Alphanumeric code	Fittings	Order code
A	FT.G18FE12	G1/8" female fitting, 12 mm hex	2321422
B	FT.G18ME12	G1/8" male fitting, 12 mm hex	2321424
C	FT.G18FE16	G1/8" female fitting, 16 mm hex	2321426
D	FT.G18ME16	G1/8" male fitting, 16 mm hex	2321428
E	FT.G14FE16	G1/4" female fitting, 16 mm hex	2321430
F	FT.G14ME17	G1/4" male fitting, 17 mm hex	2321432



Suction cups / FDA-compliant silicone

VG.U53F flat FDA-compliant silicone suction cups

- Food-grade silicone compound (FDA-approved)
- Suitable for high working temperatures
- Suitable for objects with flat or slightly curved surfaces



Application example



Technical data

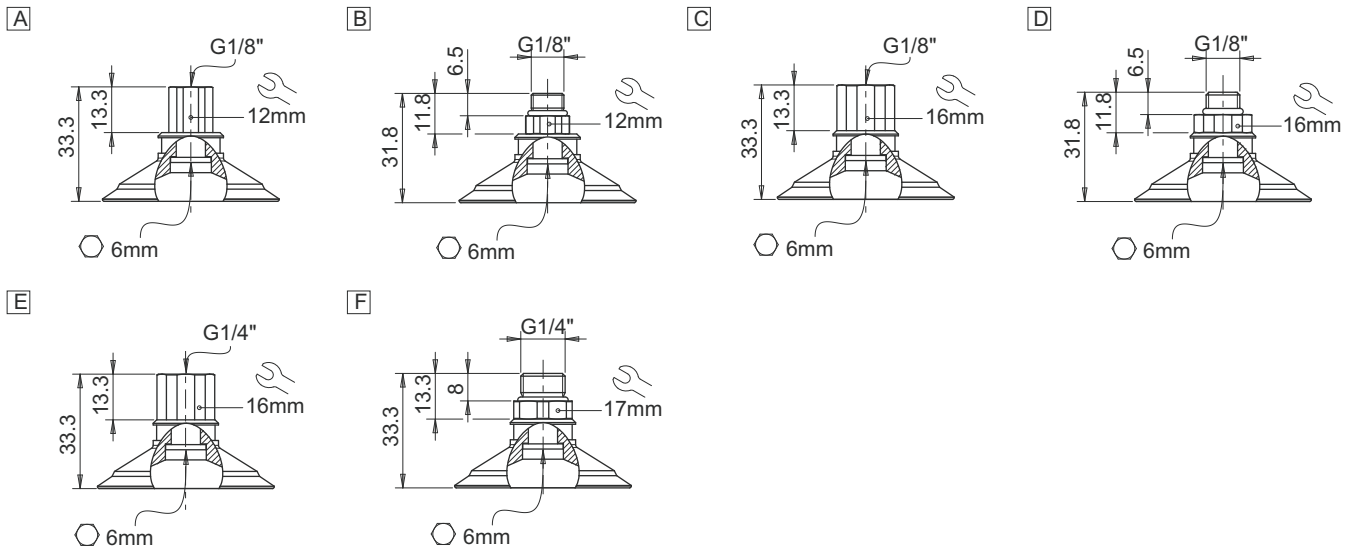
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm³]	Min curve radius [mm]	Max vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50 FDA	37	75	96	20	35	46	12	35	6	8

Technical features

Material	Colour	Hardness	Temperature range
Silicone, FDA SIL	Transparent	50 Shore	-70 ÷ +200 °C

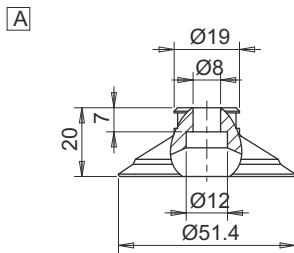
Ordering information

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.U53F.50.G18F.E12	VG.U53 suction cup, FDA-compliant silicone, 50 Shore, G1/8" female, 12 mm height	2321447
B	VG.U53F.50.G18M.E12	VG.U53 suction cup, FDA-compliant silicone, 50 Shore, G1/8" male, 12 mm height	2321449
C	VG.U53F.50.G18F.E16	VG.U53 suction cup, FDA-compliant silicone, 50 Shore, G1/8" female, 16 mm height	2321450
D	VG.U53F.50.G18M.E16	VG.U53 suction cup, FDA-compliant silicone, 50 Shore, G1/8" male, 16 mm height	2321451
E	VG.U53F.50.G14F.E16	VG.U53 suction cup, FDA-compliant silicone, 50 Shore, G1/4" female, 16 mm height	2321452
F	VG.U53F.50.G14M.E17	VG.U53 suction cup, FDA-compliant silicone, 50 Shore, G1/4" male, 17 mm height	2321453



Ordering information

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.U53F.50	VG.U53 suction cup, FDA-compliant silicone, 50 Shore	2321448



Ordering information

Drawing	Alphanumeric code	Fittings	Order code
A	FT.G18FE12	G1/8" female fitting, 12 mm hex	2321422
B	FT.G18ME12	G1/8" male fitting, 12 mm hex	2321424
C	FT.G18FE16	G1/8" female fitting, 16 mm hex	2321426
D	FT.G18ME16	G1/8" male fitting, 16 mm hex	2321428
E	FT.G14FE16	G1/4" female fitting, 16 mm hex	2321430
F	FT.G14ME17	G1/4" male fitting, 17 mm hex	2321432

