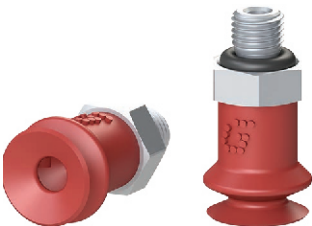


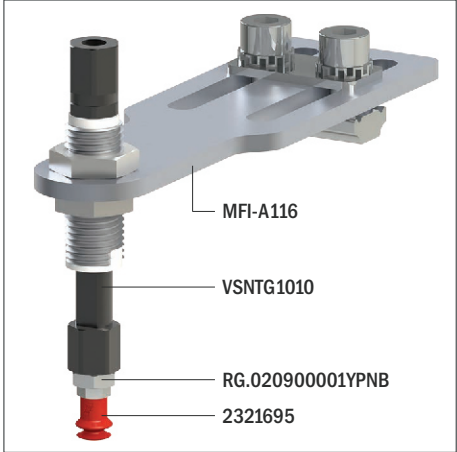
Suction cups / Silicone

VG.B6S bellows suction cups in silicone

- Silicone compound
- Suitable for high working temperatures
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height



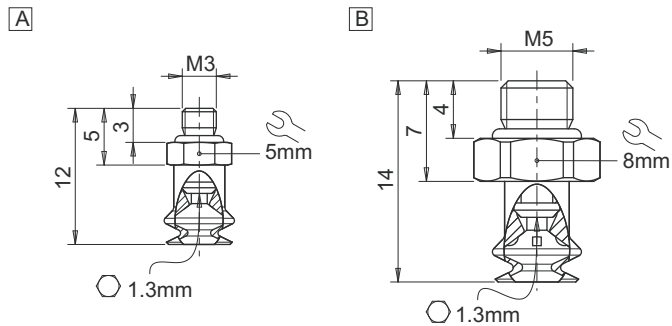
Application example



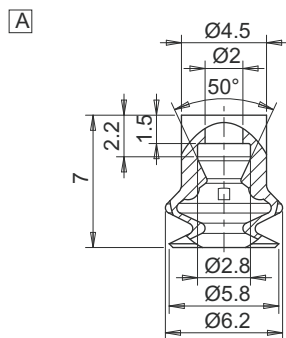
Technical data										
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume	Min curve radius	Max vertical movement	Suction cup weight
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50	0.25	0.78	1.1	—	—	—	0.05	1.5	1.5	0.1

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

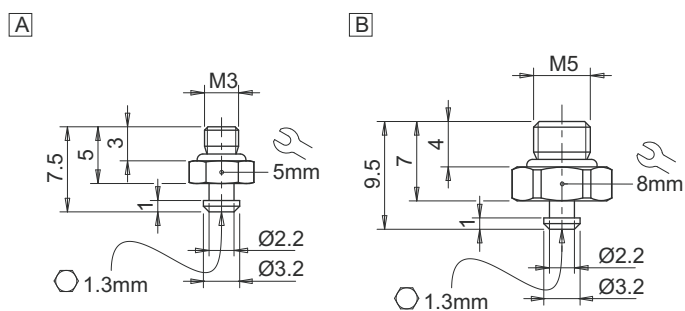
Identification codes			
Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.B6S.50.M3M.E5	VG.B6 suction cup, silicone, 50 Shore, M3 Male, 5 mm hex	2321695
B	VG.B6S.50.M5M.E8	VG.B6 suction cup, silicone, 50 Shore, M5 Male, 8 mm hex	2321095



Identification codes			
Drawing	Alphanumeric code	Suction cups	Order code
A	VG.B6S.50	VG.B6 suction cup, silicone, 50 Shore	2321696



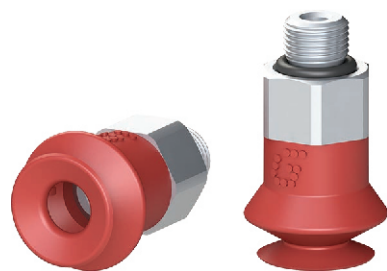
Identification codes			
Drawing	Alphanumeric code	Fittings	Order code
A	FT.M3M.E5	M3 male fitting, hex, 5 mm	2321402
B	FT.M5M.E8.06	M5 male fitting, hex, 8 mm	2321005



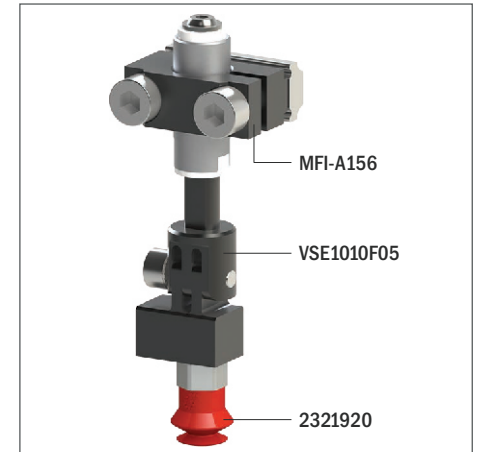
Suction cups / Silicone

VG.B9S bellows suction cups in silicone

- Silicone compound
- Suitable for high working temperatures
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height



Application example

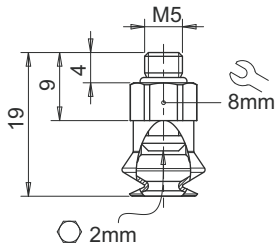


Technical data										
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume	Min curve radius	Max vertical movement	Suction cup weight
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50	0.82	1.5	2.3	—	—	—	0.15	1.9	3.5	0.3

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

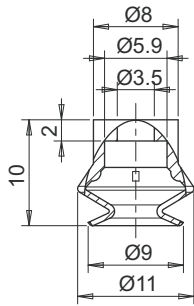
Identification codes			
Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.B9S.50.M5M.E8	VG.B9 suction cup, silicone, 50 Shore, M5 male, 8 mm hex	2321920

A



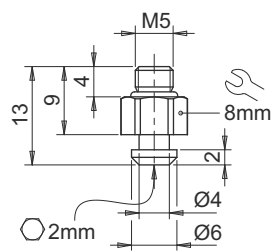
Identification codes			
Drawing	Alphanumeric code	Suction cups	Order code
A	VG.B9S.50	VG.B9 suction cup, silicone, 50 Shore	2321921

A



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

A



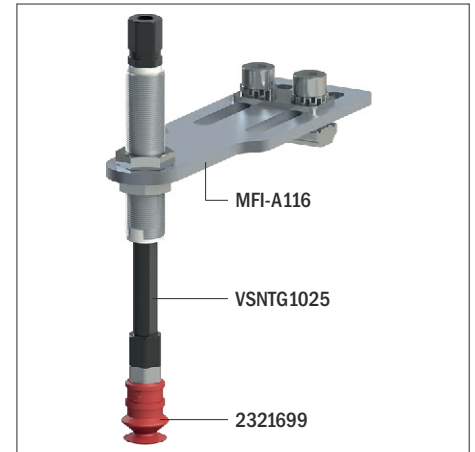
Suction cups / Silicone

VG.B11S bellows suction cups in silicone

- Silicone compound
- Suitable for high working temperatures
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height



Application example

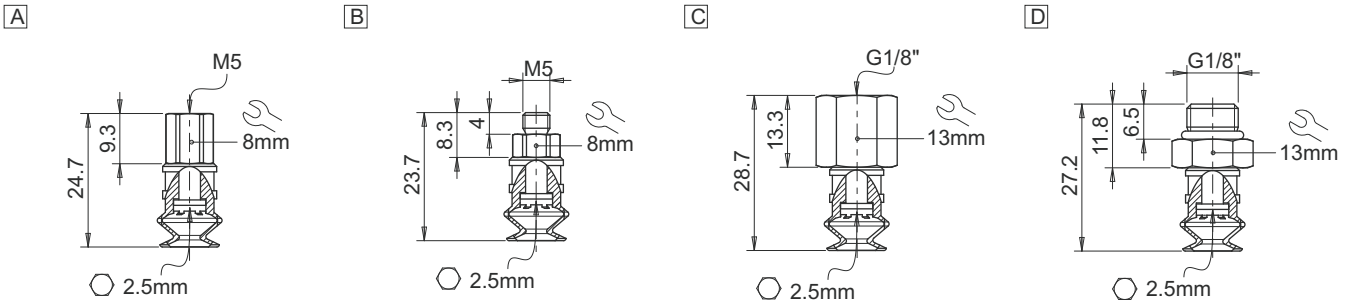


Technical data										
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50	1.3	3.4	4.6	1.7	2.42	2.81	0.48	4	4.5	0.7

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

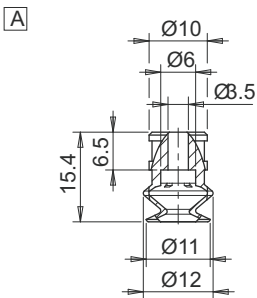
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.B11S.50.M5F.E8	VG.B11 suction cup, silicone, 50 Shore, M5 female, 8 mm hex	2321697
B	VG.B11S.50.M5M.E8	VG.B11 suction cup, silicone, 50 Shore, M5 male, 8 mm hex	2321699
C	VG.B11S.50.G18F.E13	VG.B11 suction cup, silicone, 50 Shore, G1/8" female, 13 mm hex	2321700
D	VG.B11S.50.G18M.E13	VG.B11 suction cup, silicone, 50 Shore, G1/8" male, 13 mm hex	2321701



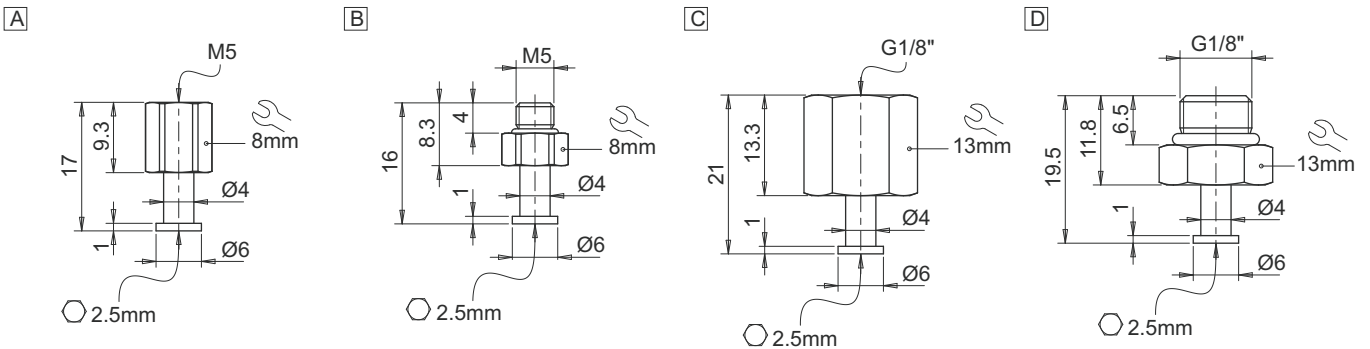
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.B11S.50	VG.B11 suction cup, silicone, 50 Shore	2321698



Identification codes

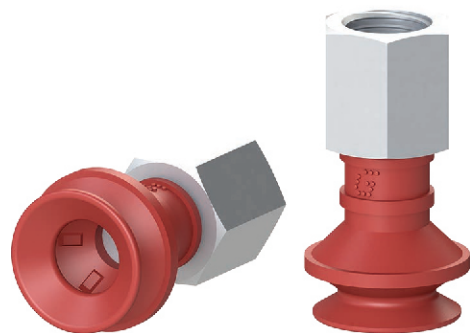
Drawing	Alphanumeric code	Fittings	Order code
A	FT.M5F.E8	M5 female +tting, 8 mm hex	2321408
B	FT.M5M.E8	M5 male +tting, 8 mm hex	2321410
C	FT.G18F.E13	G1/8" female +tting, 13 mm hex	2321412
D	FT.G18M.E13	G1/8" male +tting, 13 mm hex	2321414



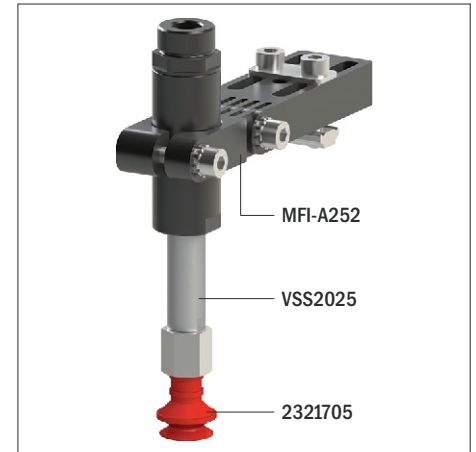
Suction cups / Silicone

VG.B16S bellows suction cups in silicone

- Silicone compound
- Suitable for high working temperatures
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height



Application example

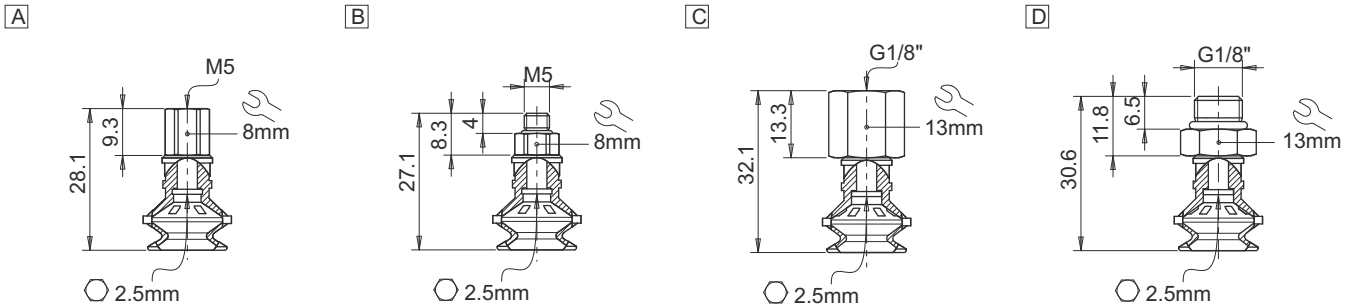


Technical data										
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50	3	5.8	8.5	1.71	3.1	3.9	1.1	5	6.5	2.1

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

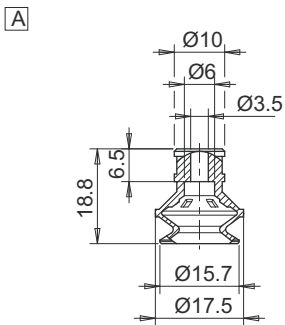
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.B16S.50.M5F.E8	VG.B16 suction cup, silicone, 50 Shore, M5 female, 8 mm hex	2321702
B	VG.B16S.50.M5M.E8	VG.B16 suction cup, silicone, 50 Shore, M5 male, 8 mm hex	2321704
C	VG.B16S.50.G18F.E13	VG.B16 suction cup, silicone, 50 Shore, G1/8" female, 13 mm hex	2321705
D	VG.B16S.50.G18M.E13	VG.B16 suction cup, silicone, 50 Shore, G1/8" male, 13 mm hex	2321706



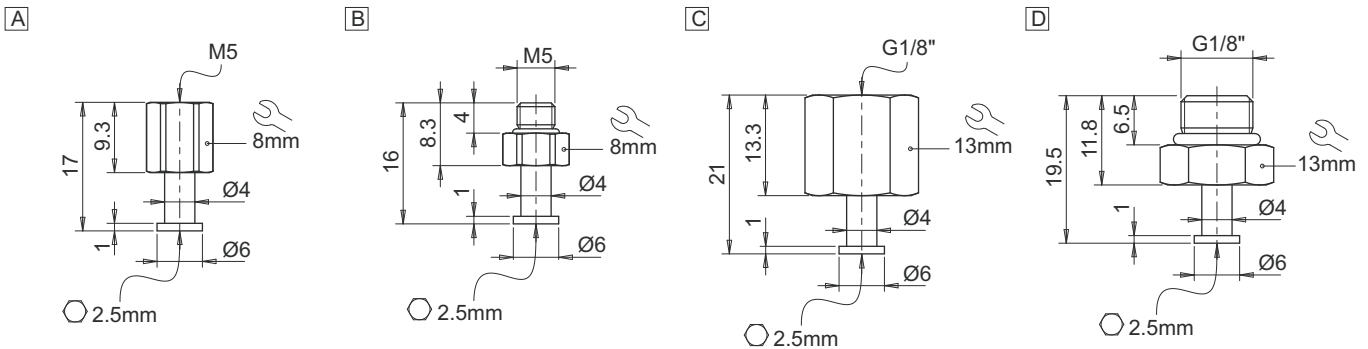
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.B16S.50	VG.B16 suction cup, silicone, 50 Shore	2321703



Identification codes

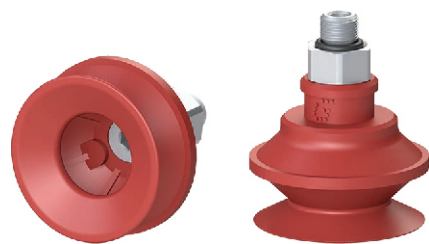
Drawing	Alphanumeric code	Fittings	Order code
A	FT.M5F.E8	M5 female +tting, 8 mm hex	2321408
B	FT.M5M.E8	M5 male +tting, 8 mm hex	2321410
C	FT.G18F.E13	G1/8" female +tting, 13 mm hex	2321412
D	FT.G18M.E13	G1/8" male +tting, 13 mm hex	2321414



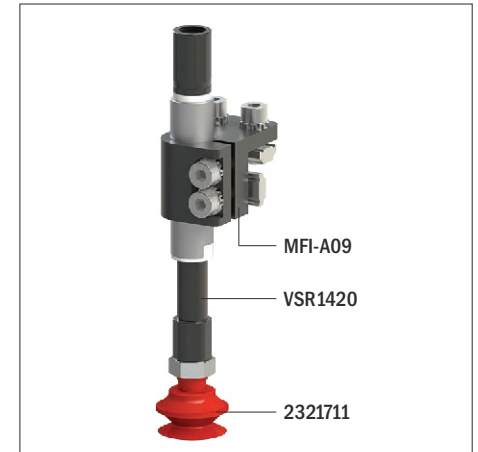
Suction cups / Silicone

VG.B22S bellows suction cups in silicone

- Silicone compound
- Suitable for high working temperatures
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height



Application example

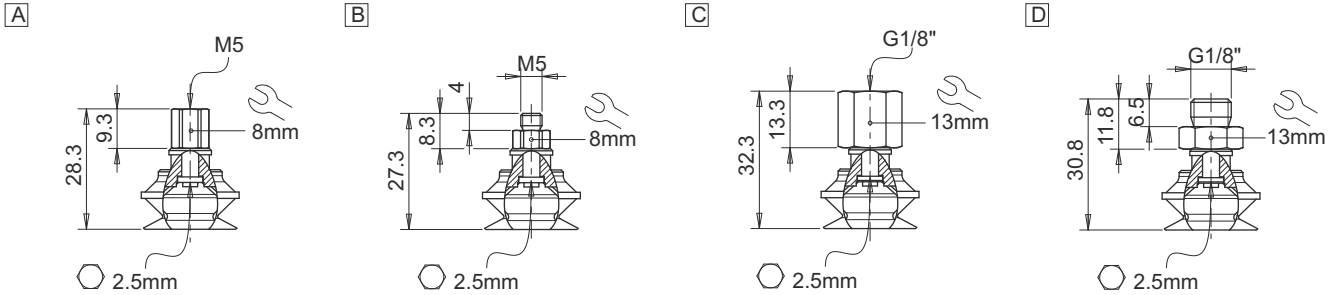


Technical data										
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50	5.5	13	14	2.92	5.5	8.3	2.7	10	10	1.8

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

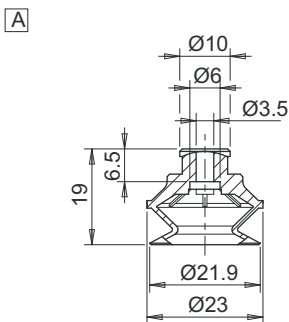
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.B22S.50.M5F.E8	VG.B22 suction cup, silicone, 50 Shore, M5 female, 8 mm hex	2321707
B	VG.B22S.50.M5M.E8	VG.B22 suction cup, silicone, 50 Shore, M5 male, 8 mm hex	2321709
C	VG.B22S.50.G18F.E13	VG.B22 suction cup, silicone, 50 Shore, G1/8" female, 13 mm hex	2321710
D	VG.B22S.50.G18M.E13	VG.B22 suction cup, silicone, 50 Shore, G1/8" male, 13 mm hex	2321711



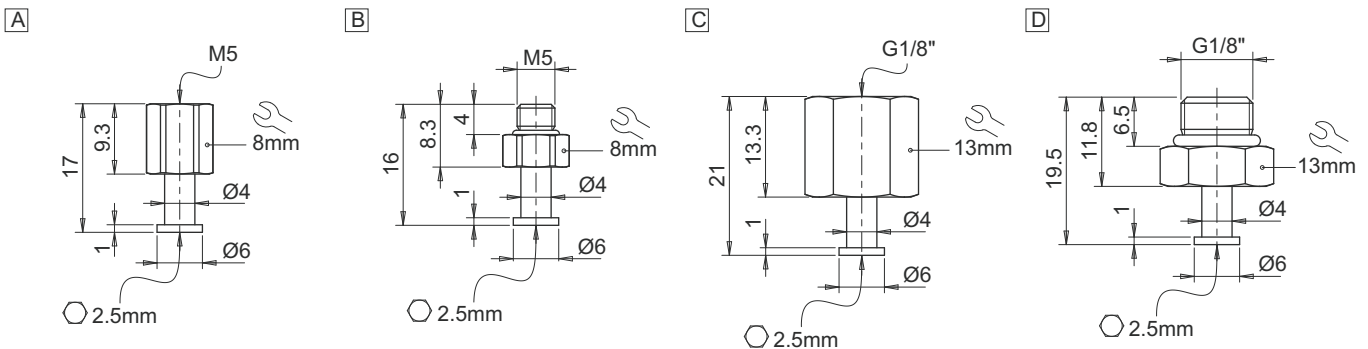
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.B22S.50	VG.B22 suction cup, silicone, 50 Shore	2321708



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



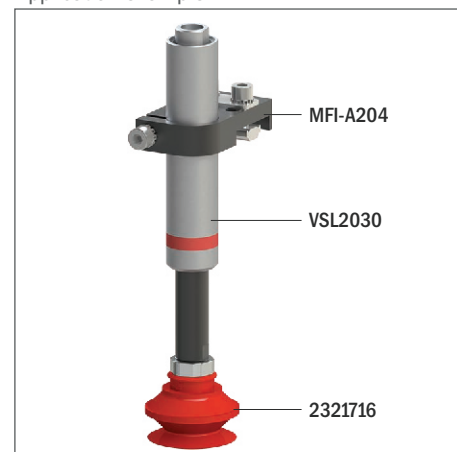
Suction cups / Silicone

VG.B33S bellows suction cups in silicone

- Silicone compound
- Suitable for high working temperatures
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height



Application example



Technical data

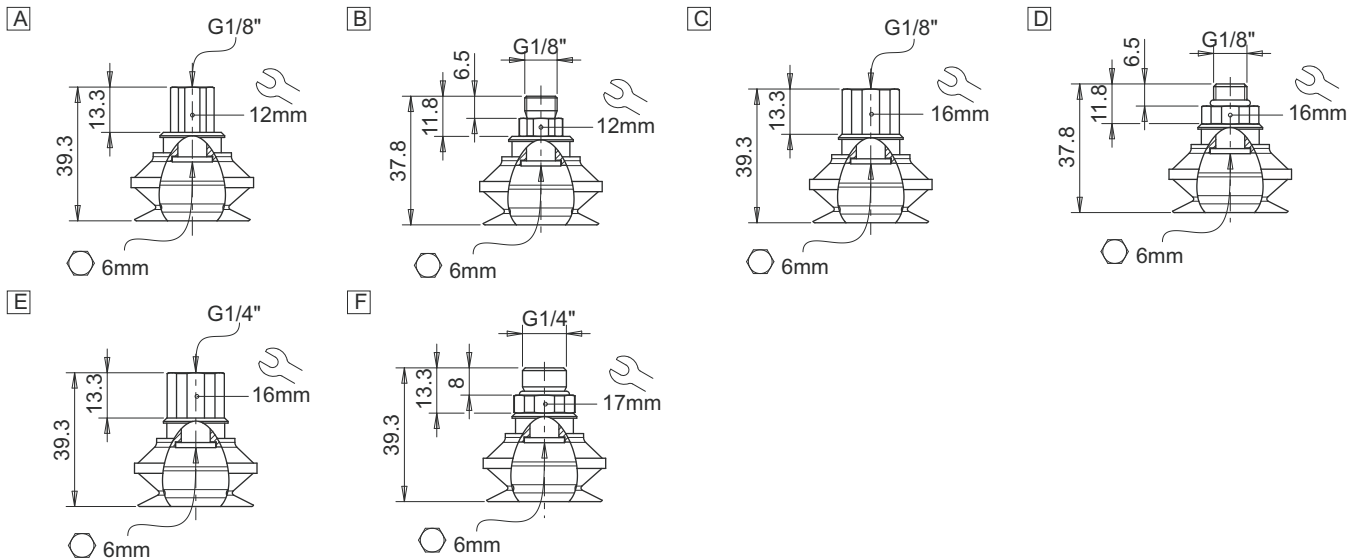
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50	12	23	26	9.5	16.6	22.5	10	15	15	5.8

Technical features

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

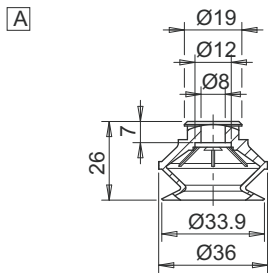
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.B33S.50.G18FE12	VG.B33 suction cup, silicone, 50 Shore, G1/8" female, 12 mm hex	2321712
B	VG.B33S.50.G18ME12	VG.B33 suction cup, silicone, 50 Shore, G1/8" male, 12 mm hex	2321714
C	VG.B33S.50.G18FE16	VG.B33 suction cup, silicone, 50 Shore, G1/8" female, 16 mm hex	2321715
D	VG.B33S.50.G18ME16	VG.B33 suction cup, silicone, 50 Shore, G1/8" male, 16 mm hex	2321716
E	VG.B33S.50.G14FE16	VG.B33 suction cup, silicone, 50 Shore, G1/4" female, 16 mm hex	2321717
F	VG.B33S.50.G14ME17	VG.B33 suction cup, silicone, 50 Shore, G1/4" male, 17 mm hex	2321718



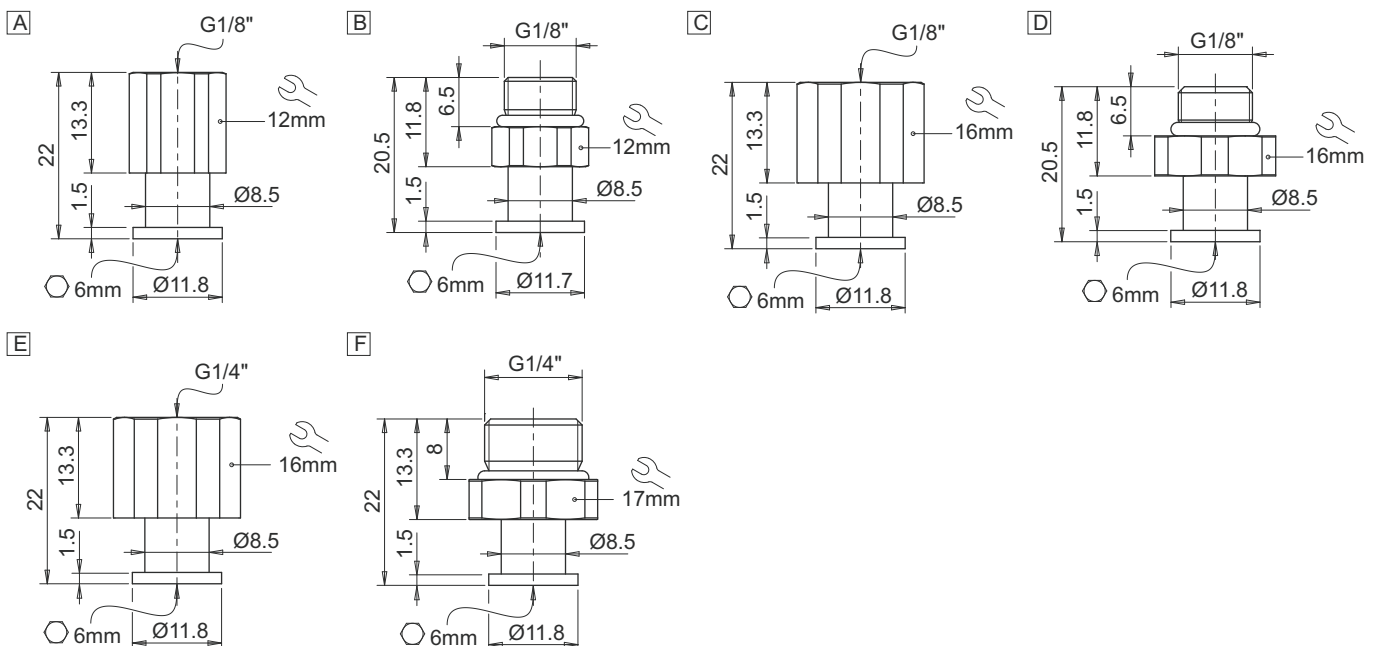
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.B33S.50	VG.B33 suction cup, silicone, 50 Shore	2321713



Identification codes

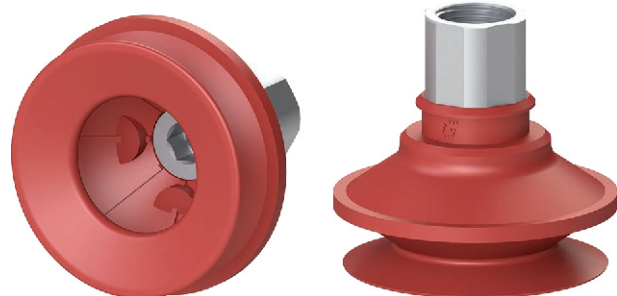
Drawing	Alphanumeric code	Fittings	Order code
A	FT.G18FE12	G1/8" female +tting, 12 mm hex	2321422
B	FT.G18ME12	G1/8" male +tting, 12 mm hex	2321424
C	FT.G18FE16	G1/8" female +tting, 16 mm hex	2321426
D	FT.G18ME16	G1/8" male +tting, 16 mm hex	2321428
E	FT.G14FE16	G1/4" female +tting, 16 mm hex	2321430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



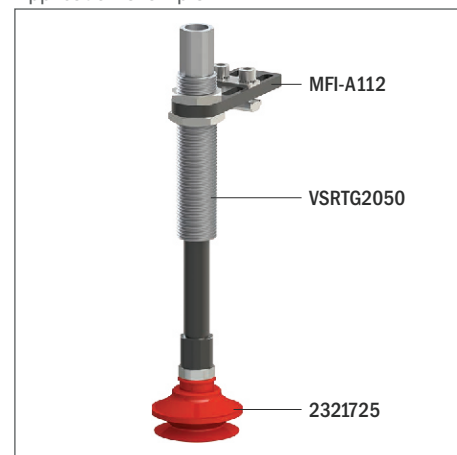
Suction cups / Silicone

VG.B42S bellows suction cups in silicone

- Silicone compound
- Suitable for high working temperatures
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height



Application example



Technical data

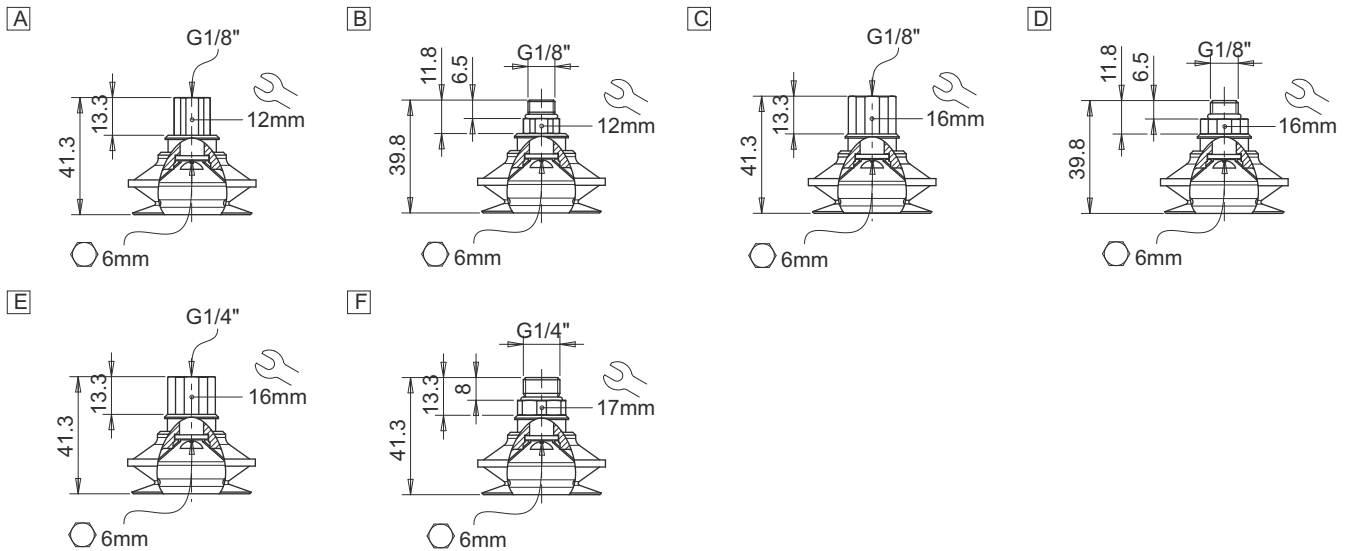
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50	20	46	53	17.2	26.3	30.7	15	20	12	8.6

Technical features

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

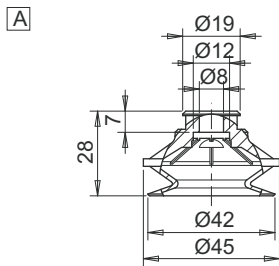
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.B42S.50.G18FE12	VG.B42 suction cup, silicone, 50 Shore, G1/8" female, 12 mm hex	2321719
B	VG.B42S.50.G18ME12	VG.B42 suction cup, silicone, 50 Shore, G1/8" male, 12 mm hex	2321721
C	VG.B42S.50.G18FE16	VG.B42 suction cup, silicone, 50 Shore, G1/8" female, 16 mm hex	2321722
D	VG.B42S.50.G18ME16	VG.B42 suction cup, silicone, 50 Shore, G1/8" male, 16 mm hex	2321723
E	VG.B42S.50.G14FE16	VG.B42 suction cup, silicone, 50 Shore, G1/4" female, 16 mm hex	2321724
F	VG.B42S.50.G14ME17	VG.B42 suction cup, silicone, 50 Shore, G1/4" male, 17 mm hex	2321725



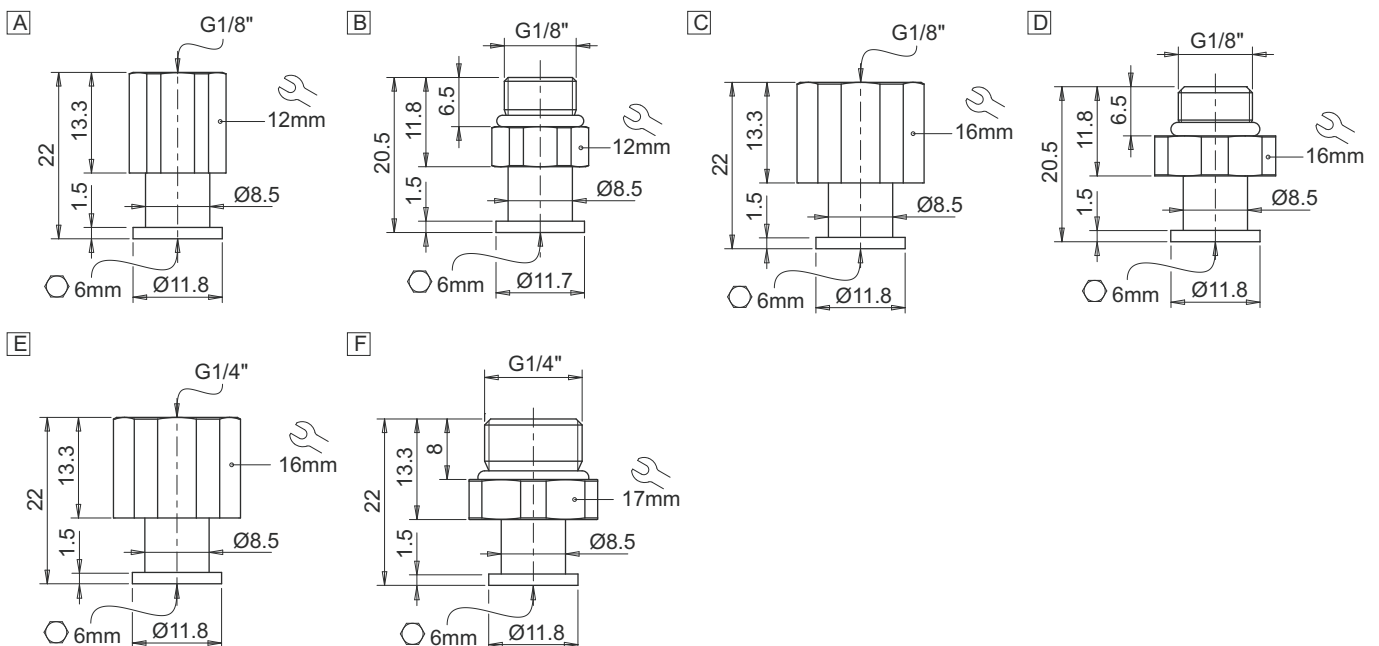
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.B42S.50	VG.B42 suction cup, silicone, 50 Shore	2321720



Identification codes

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



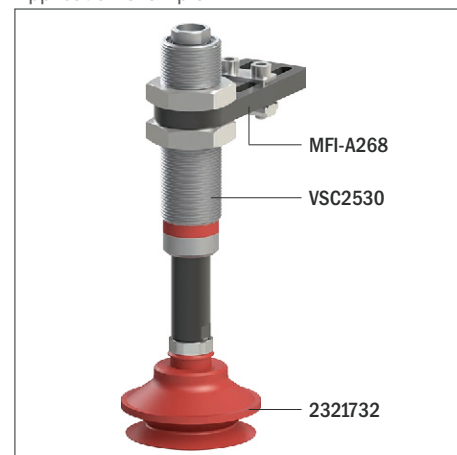
Suction cups / Silicone

VG.B53S bellows suction cups in silicone

- Silicone compound
- Suitable for high working temperatures
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height



Application example



Technical data

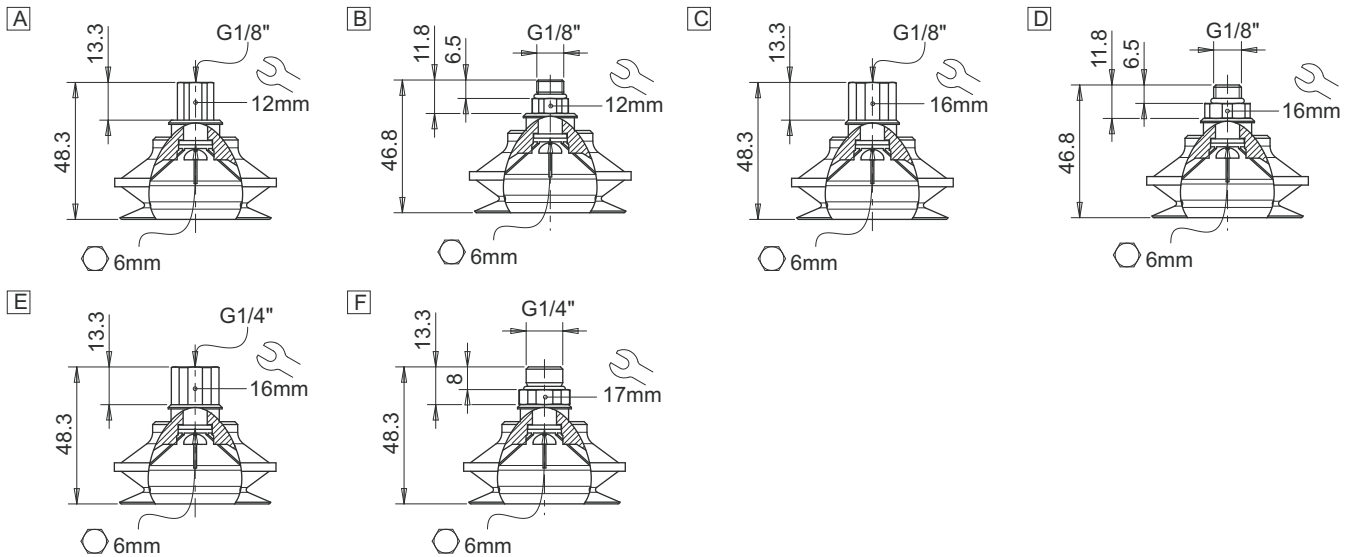
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
SIL 50	32	64.5	90	24.5	51.3	60.5	32	30	19	15.4

Technical features

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

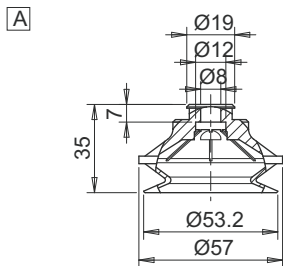
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.B53S.50.G18FE12	VG.B53 suction cup, silicone, 50 Shore, G1/8" female, 12 mm hex	2321726
B	VG.B53S.50.G18ME12	VG.B53 suction cup, silicone, 50 Shore, G1/8" male, 12 mm hex	2321728
C	VG.B53S.50.G18FE16	VG.B53 suction cup, silicone, 50 Shore, G1/8" female, 16 mm hex	2321729
D	VG.B53S.50.G18ME16	VG.B53 suction cup, silicone, 50 Shore, G1/8" male, 16 mm hex	2321730
E	VG.B53S.50.G14FE16	VG.B53 suction cup, silicone, 50 Shore, G1/4" female, 16 mm hex	2321731
F	VG.B53S.50.G14ME17	VG.B53 suction cup, silicone, 50 Shore, G1/4" male, 17 mm hex	2321732



Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.B53S.50	VG.B53 suction cup, silicone, 50 Shore	2321727



Identification codes

Drawing	Alphanumeric code	Fittings	Order code
A	FT.G18FE12	G1/8" female +tting, 12 mm hex	2321422
B	FT.G18M.E12	G1/8" male +tting, 12 mm hex	2321424
C	FT.G18FE16	G1/8" female +tting, 16 mm hex	2321426
D	FT.G18M.E16	G1/8" male +tting, 16 mm hex	2321428
E	FT.G14FE16	G1/4" female +tting, 16 mm hex	2321430
F	FT.G14M.E17	G1/4" male +tting, 17 mm hex	2321432

