## VG.U42F flat suction cups in FDA-compliant food-grade silicone

- 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 | Min curve radius | Max vert. movement | Suction cup weight |
|---|---|---|---|---|---|---|---|---|---|---|
| | -20 kPa | -60 kPa | -90 kPa | -20 kPa | -60 kPa | -90 kPa | [cm³] | [mm] | [mm] | [g] |
| SIL 50 FDA | 21 | 48.5 | 58 | 14 | 28 | 36 | 5.5 | 30 | 4.5 | 4.4 |

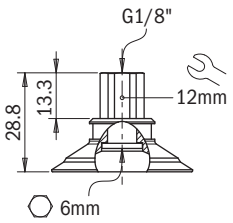
**Technical features**

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

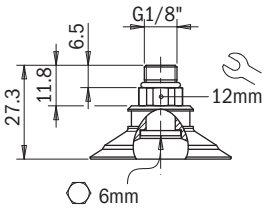
**Ordering information**

| 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 hex | 2321440 |
| B | VG.U42F.50.G18M.E12 | VG.U42 suction cup, FDA-compliant silicone, 50 Shore, G1/8" male, 12 mm hex | 2321442 |
| C | VG.U42F.50.G18F.E16 | VG.U42 suction cup, FDA-compliant silicone, 50 Shore, G1/8" female, 16 mm hex | 2321443 |
| D | VG.U42F.50.G18M.E16 | VG.U42 suction cup, FDA-compliant silicone, 50 Shore, G1/8" male, 16 mm hex | 2321444 |
| E | VG.U42F.50.G14F.E16 | VG.U42 suction cup, FDA-compliant silicone, 50 Shore, G1/4" female, 16 mm hex | 2321445 |
| F | VG.U42F.50.G14M.E17 | VG.U42 suction cup, FDA-compliant silicone, 50 Shore, G1/4" male, 17 mm hex | 2321446 |

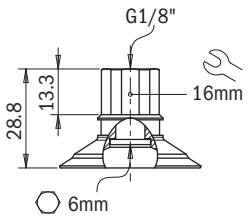
A



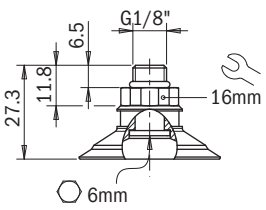

B



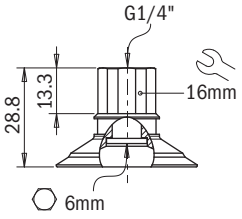

C



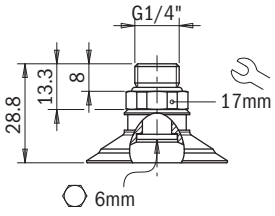

D




E



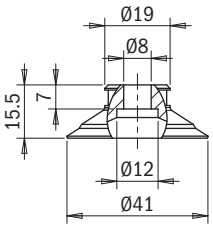

F




**Ordering information**

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

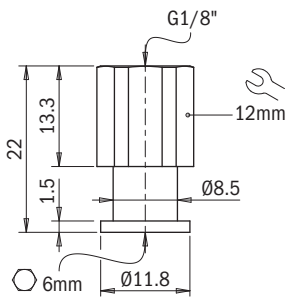
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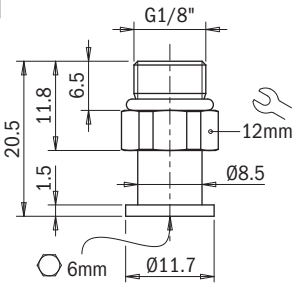

**Ordering information**

| Drawing | Alphanumeric code | Fittings | Order code |
|---|---|---|---|
| A | FT.G18F.E12 | G1/8" female fitting, 12 mm hex | 2321422 |
| B | FT.G18M.E12 | G1/8" male fitting, 12 mm hex | 2321424 |
| C | FT.G18F.E16 | G1/8" female fitting, 16 mm hex | 2321426 |
| D | FT.G18M.E16 | G1/8" male fitting, 16 mm hex | 2321428 |
| E | FT.G14F.E16 | G1/4" female fitting, 16 mm hex | 2321430 |
| F | FT.G14M.E17 | G1/4" male fitting, 17 mm hex | 2321432 |
| G | FT.G18M.S55.E16 | Fitting G1/8" Male with check valve and calibrated hole diameter, hexagon 16 mm | 1600020 |
| H | FT.G14M.S75.E17 | Fitting G1/4" Male with check valve and calibrated hole diameter, hexagon 17 mm | 1600021 |

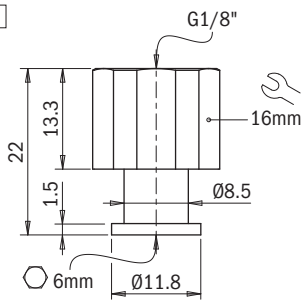
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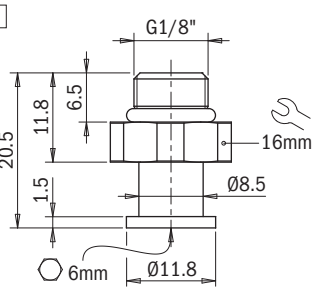

B



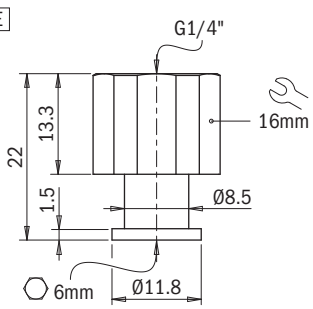

C



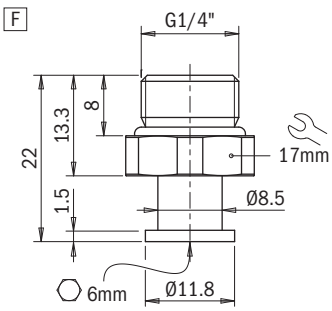

D



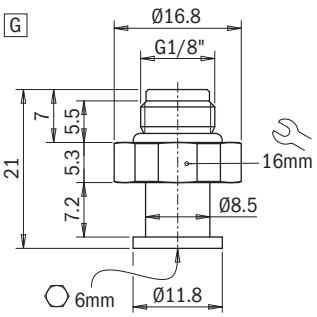

E




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