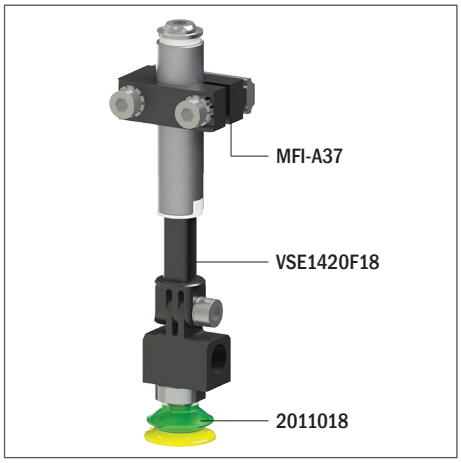
## VG.BP20 suction cups in polyurethane with bellows

- 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**

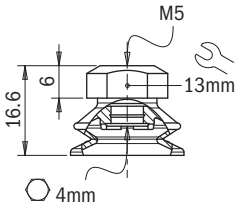
| Material | Lifting force [N] perpendicular to the surface, at various vacuum levels | | | Lifting force [N] parallel to the surface, at various vacuum levels | | | Volume | Min curve radius | Max vertical movement | Suction cup weight |
|---|---|---|---|---|---|---|---|---|---|---|
| | -20 kPa | -60 kPa | -90 kPa | -20 kPa | -60 kPa | -90 kPa | [cm³] | [mm] | [mm] | [g] |
| 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**

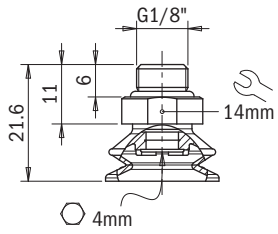
| Material | Colour | Hardness | Temperature range |
|---|---|---|---|
| Polyurethane PU, 30/70 Shore | Yellow / Green | 30/70 Shore | +10 ÷ +45 °C |
| Polyurethane PU, 50 Shore | Green | 50 Shore | +10 ÷ +45 °C |

| 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 0.6 mm calibrated hole | 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 0.6 mm calibrated hole | 2021007 |

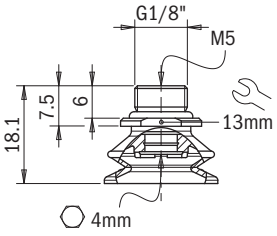
A




B

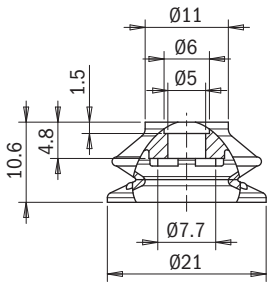



C



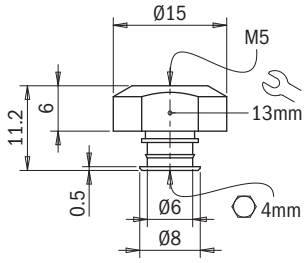

| Identification codes | | | |
|---|---|---|---|
| Drawing | Alphanumeric code | Suction cups | Order code |
| B | VG.BP20.30/70 | VG.BP20 suction cup, polyurethane, 30/70 Shore | 2011000 |
| B | VG.BP20.50 | VG.BP20 suction cup, polyurethane, 50 Shore | 2021000 |

B

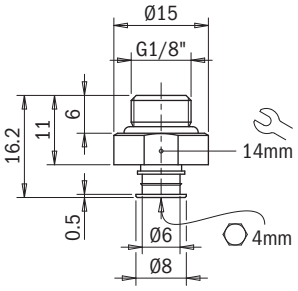



| Identification codes | | | |
|---|---|---|---|
| Drawing | Alphanumeric code | Fittings | Order code |
| A | FT.M5F | Fitting, M5 female | 1700006 |
| B | FT.G18M.17 | G1/8" male fitting | 1700018 |
| C | FT.G18M.M5F | G1/8" male / M5 female fitting | 1700016 |
| C | FT.G18M.M5F.VF | G1/8" male / M5 female fitting, with 0.6 mm calibrated hole | 1700017 |

A




B




C

