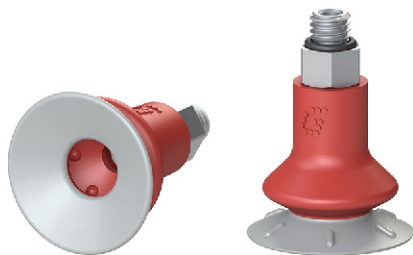


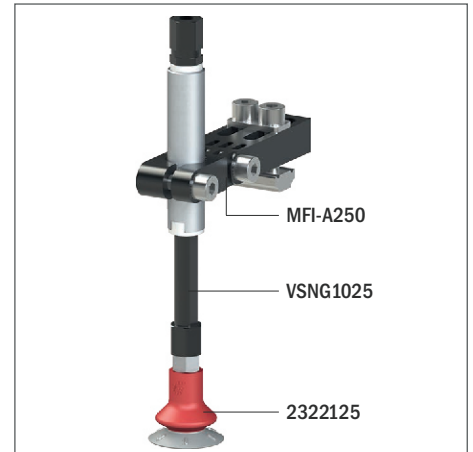
Suction cups / Polyurethane

VG.IS20P bellows suction cups in polyurethane

- Ideal to handle uneven and rough surfaces
- High flexibility: the wide yet thin lip allows for adaptation to uneven surfaces
- Polyurethane material with double hardness, 30/60 Shore
- Good resistance to wear



Application example



Technical data

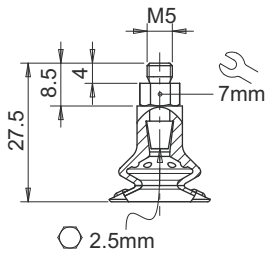
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU30/60	3.7	8.4	9.9	3.2	6.2	9.1	1.04	5.5	4.6	1.2

Technical features

Material	Colour	Hardness	Temperature range
Polyurethane PU, 30/60 Shore	Grey / Red	30/60 Shore	+10 ÷ +45 °C

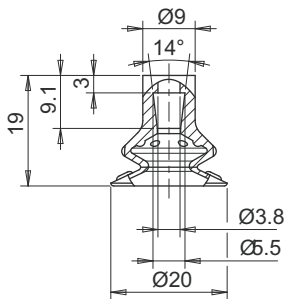
Identification codes			
Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.IS20P.30/60.M5M	VG.IS20 suction cup, polyurethane, 30/60 Shore, M5 male	2322125

A



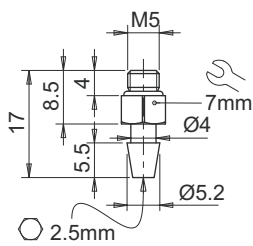
Identification codes			
Drawing	Alphanumeric code	Suction cups	Order code
A	VG.IS20P.30/60	VG.IS20 suction cup, polyurethane, 30/60 Shore	2322126

A



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

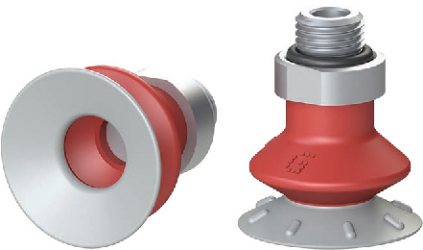
A



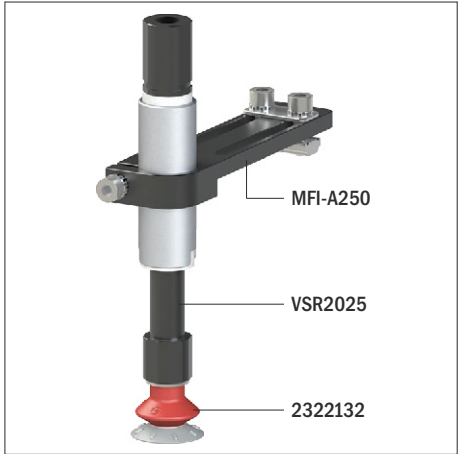
Suction cups / Polyurethane

VG.IS25P bellows suction cups in polyurethane

- Ideal to handle uneven and rough surfaces
- High flexibility: the wide yet thin lip allows for adaptation to uneven surfaces
- Polyurethane material with double hardness, 30/60 Shore
- Good resistance to wear



Application example



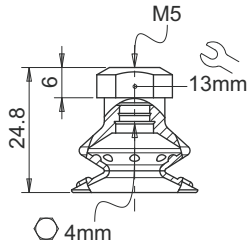
Technical data										
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU30/60	5.7	12.5	13.4	4.1	7.2	14.1	1.63	9	5.5	1.8

Technical features			
Material	Colour	Hardness	Temperature range
Polyurethane PU, 30/60 Shore	Grey / Red	30/60 Shore	+10 ÷ +45 °C

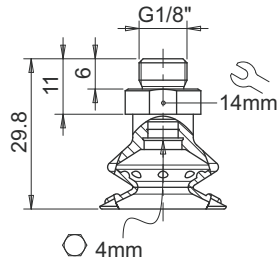
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.IS25P.30/60.M5F	VG.IS25 suction cup, polyurethane, 30/60 Shore, M5 female	2322129
B	VG.IS25P.30/60.G18M	VG.IS25 suction cup, polyurethane, 30/60 Shore, G1/8" male	2322131
C	VG.IS25P.30/60.G18MF	VG.IS25 suction cup, polyurethane, 30/60 Shore, G1/8" male / M5 female	2322132

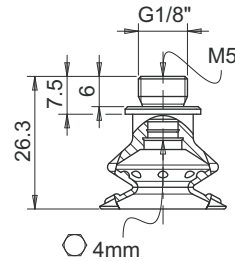
[A]



[B]



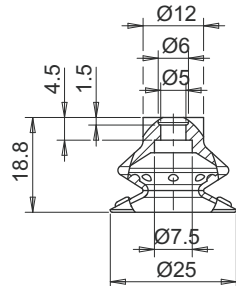
[C]



Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.IS25P.30/60	VG.IS25 suction cup, polyurethane, 30/60 Shore	2322130

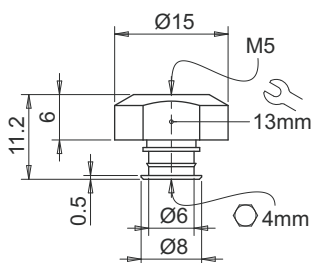
[A]



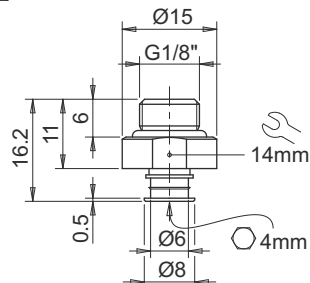
Identification codes

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	Fitting, G1/8" male/ M5 female	1700016

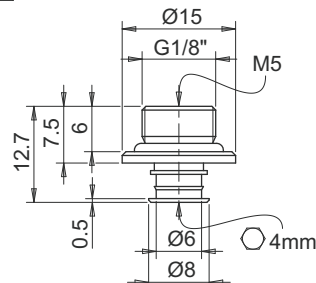
[A]



[B]



[C]



Suction cups / Polyurethane

VG.IS35P bellows suction cups in polyurethane

- Ideal to handle uneven and rough surfaces
- High flexibility: the wide yet thin lip allows for adaptation to uneven surfaces
- Polyurethane material with double hardness, 30/60 Shore
- Good resistance to wear



Application example

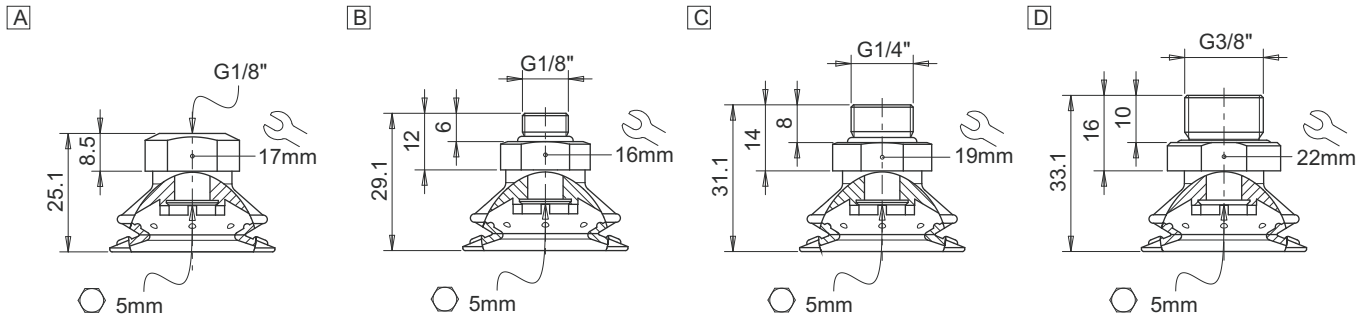


Technical data										
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume	Min curve radius	Max vertical movement	Suction cup weight
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU30/60	12.9	33.4	42.3	13	30	34	4.2	16	9.5	4.1

Technical features			
Material	Colour	Hardness	Temperature range
Polyurethane PU, 30/60 Shore	Grey / Red	30/60 Shore	+10 ÷ +45 °C

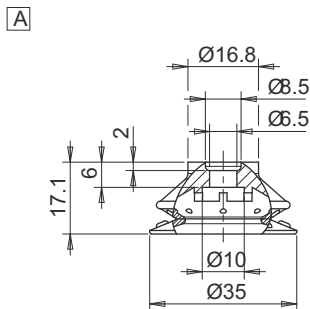
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.IS35P.30/60.G18F	VG.IS35 suction cup, polyurethane, 30/60 Shore, G1/8" female	2322133
B	VG.IS35P.30/60.G18M	VG.IS35 suction cup, polyurethane, 30/60 Shore, G1/8" male	2322135
C	VG.IS35P.30/60.G14M	VG.IS35 suction cup, polyurethane, 30/60 Shore, G1/4" male	2322136
D	VG.IS35P.30/60.G38M	VG.IS35 suction cup, polyurethane, 30/60 Shore, G3/8" male	2322137



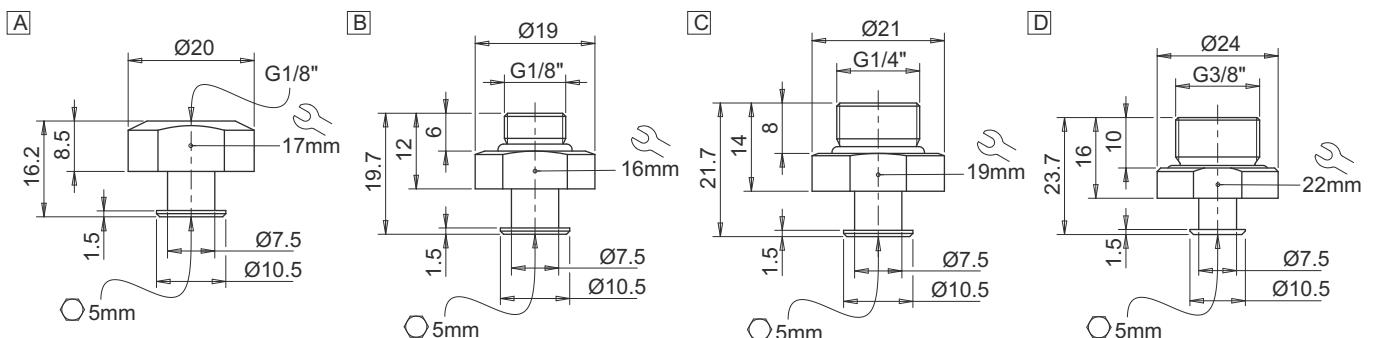
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.IS35P.30/60	VG.IS35 suction cup, polyurethane, 30/60 Shore	2322134



Identification codes

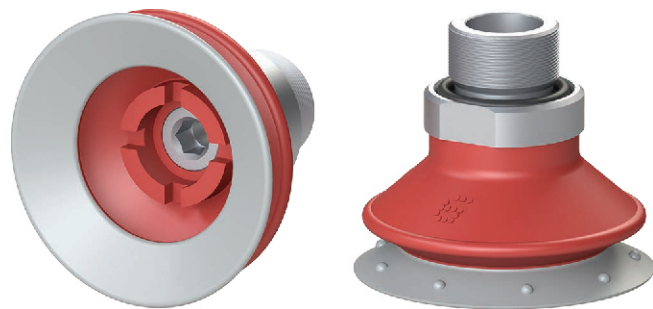
Drawing	Alphanumeric code	Fittings	Order code
A	FT.G18F.18	G1/8" female +tting	1800019
B	FT.G18M.18	G1/8" male +tting	1800018
C	FT.G14M.18	G1/4" male +tting	1800014
D	FT.G38M.18	G3/8" male +tting	1800038



Suction cups / Polyurethane

VG.IS45P bellows suction cups in polyurethane

- Ideal to handle uneven and rough surfaces
- High flexibility: the wide yet thin lip allows for adaptation to uneven surfaces
- Polyurethane material with double hardness, 30/60 Shore
- Good resistance to wear



Application example



Technical data

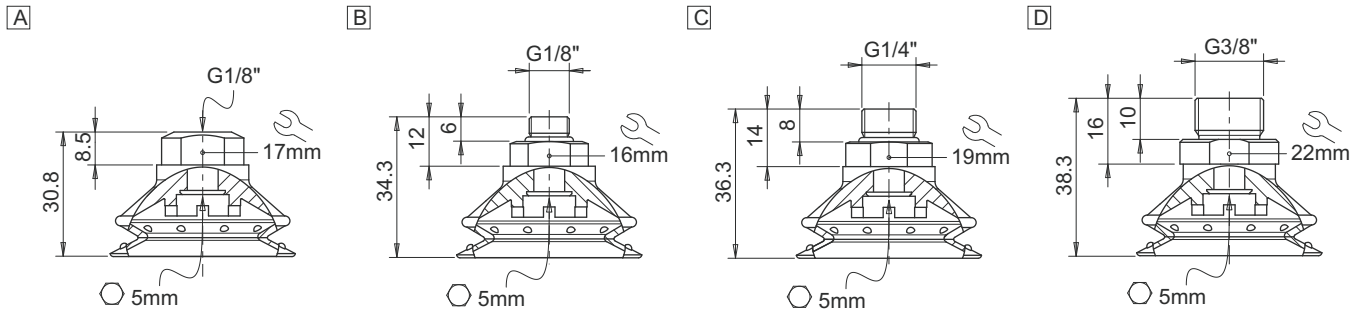
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU30/60	20.5	44.3	63	15	36	42	14	19	12	8.8

Technical features

Material	Colour	Hardness	Temperature range
Polyurethane PU, 30/60 Shore	Grey / Red	30/60 Shore	+10 ÷ +45 °C

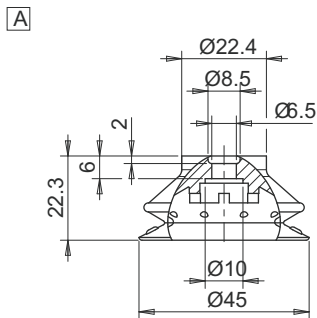
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.IS45P.30/60.G18F	VG.IS45 suction cup, polyurethane, 30/60 Shore, G1/8" female	2322138
B	VG.IS45P.30/60.G18M	VG.IS45 suction cup, polyurethane, 30/60 Shore, G1/8" male	2322140
C	VG.IS45P.30/60.G14M	VG.IS45 suction cup, polyurethane, 30/60 Shore, G1/4" male	2322141
D	VG.IS45P.30/60.G38M	VG.IS45 suction cup, polyurethane, 30/60 Shore, G3/8" male	2322142



Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.IS45P.30/60	VG.IS45 suction cup, polyurethane, 30/60 Shore	2322139



Identification codes

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

