

VG.MF20P flat suction cup with non-slip tread pattern in polyurethane

- Ideal for handling oiled sheet metal in stamping processes
- Special tread pattern that increases friction on lubricated surfaces
- Excellent stability

Application example



Technical data

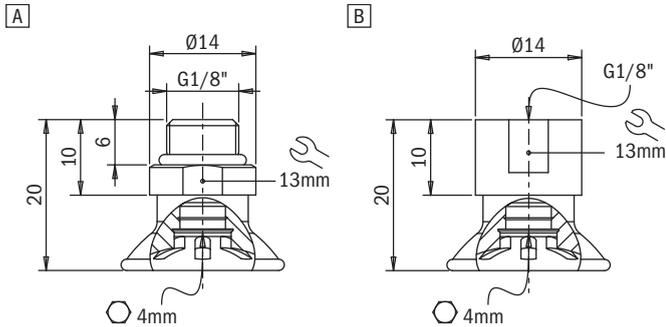
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU40	5.1	12.4	16.5	5.1	9	12	1	25	1.9	1

Technical features

Material	Colour	Hardness	Temperature range
Polyurethane PU40 Shore	Red	40 Shore	+10 ÷ +45 °C

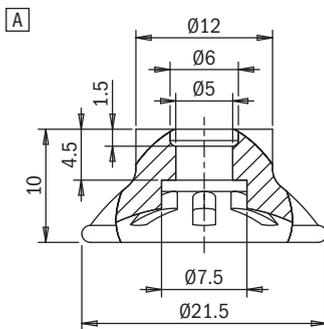
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.MF20P.40.G18M	VG.MF20 suction cup, polyurethane, 40 Shore, G1/8" male	2322151
B	VG.MF20P.40.G18F	VG.MF20 suction cup, polyurethane, 40 Shore, G1/8" female	2322153



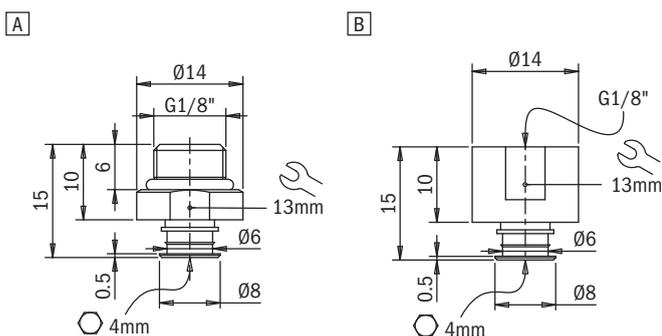
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.MF20P.40	VG.MF20 suction cup, polyurethane, 40 Shore	2322152



Identification codes

Drawing	Alphanumeric code	Fittings	Order code
A	FT.G18M.20	G1/8" male fitting	2000018
B	FT.G18F.20	G1/8" female fitting	2000019



VG.MF30P flat suction cup with non-slip tread pattern in polyurethane

- Ideal for handling oiled sheet metal in stamping processes
- Special tread pattern that increases friction on lubricated surfaces
- Excellent stability

Application example



Technical data

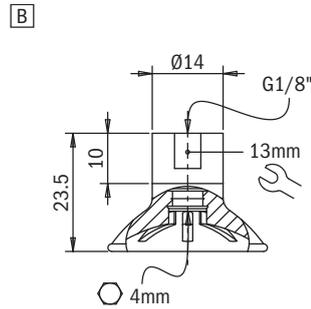
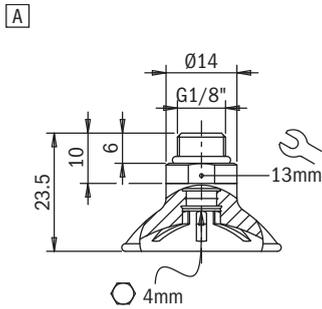
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU40	10	33	48	26	40	49	4.8	30	5.3	2.3

Technical features

Material	Colour	Hardness	Temperature range
Polyurethane PU40 Shore	Red	40 Shore	+10 ÷ +45 °C

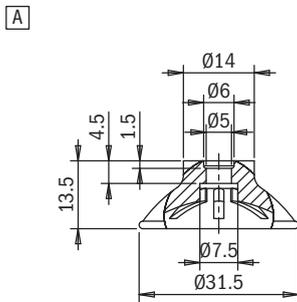
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.MF30P.40.G18M	VG.MF30 suction cup, polyurethane, 40 Shore, G1/8" male	2322154
B	VG.MF30P.40.G18F	VG.MF30 suction cup, polyurethane, 40 Shore, G1/8" female	2322156



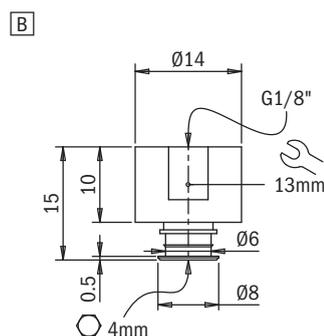
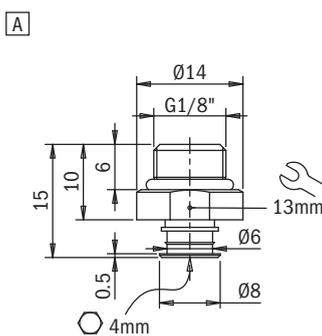
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.MF30P.40	VG.MF30 suction cup, polyurethane, 40 Shore	2322155



Identification codes

Drawing	Alphanumeric code	Fittings	Order code
A	FT.G18M.20	G1/8" male fitting	2000018
B	FT.G18F.20	G1/8" female fitting	2000019



VG.MF45P flat suction cup with non-slip tread pattern in polyurethane

- Ideal for handling oiled sheet metal in stamping processes
- Special tread pattern that increases friction on lubricated surfaces
- Excellent stability

Application example



Technical data

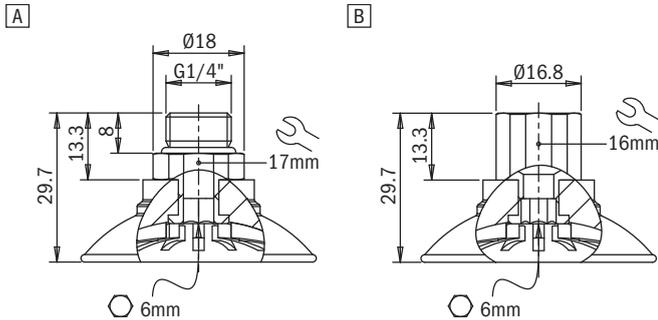
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU40	24.2	70.5	92.6	40.2	80.3	93	9.8	50	5.3	25

Technical features

Material	Colour	Hardness	Temperature range
Polyurethane PU40 Shore	Red	40 Shore	+10 ÷ +45 °C

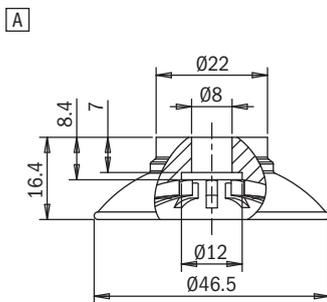
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.MF45P.40.G14M	VG.MF45 suction cup, polyurethane, 40 Shore, G1/4" male	2322202
B	VG.MF45P.40.G14F	VG.MF45 suction cup, polyurethane, 40 Shore, G1/4" female	2322203



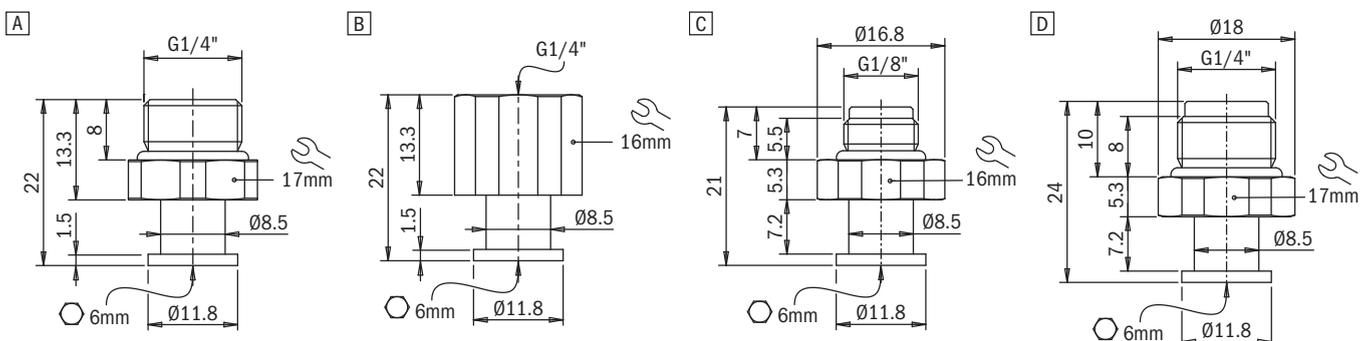
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.MF45P.40	VG.MF45 suction cup, polyurethane, 40 Shore	2322201



Identification codes

Drawing	Alphanumeric code	Fittings	Order code
A	FT.G14M.E17	G1/4" male fitting, 17 mm hex	2321432
B	FT.G14F.E16	G1/4" female fitting, 16 mm hex	2321430
C	FT.G18M.S55.E16	Fitting G1/8" Male with check valve and calibrated hole diameter, hexagon 16 mm	1600020
D	FT.G14M.S75.E17	Fitting G1/4" Male with check valve and calibrated hole diameter, hexagon 17 mm	1600021



VG.MF60P flat suction cup with non-slip tread pattern in polyurethane

- Ideal for handling lubricated sheet metal in stamping processes
- Special tread pattern that increases friction on lubricated surfaces
- Vulcanised fittings for greater stability during fastening, the suction cups can withstand high shear forces



Application example



Technical data

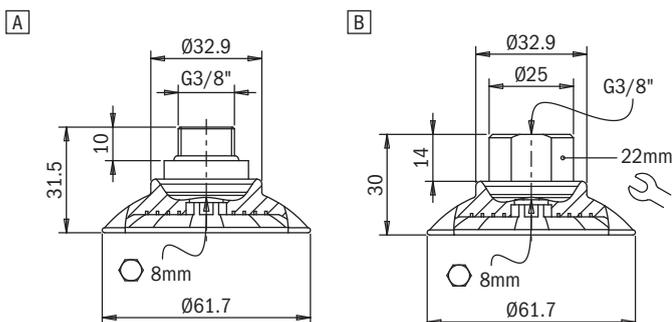
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU40	49	95	115	50	85	118	25	58	5.4	29

Technical features

Material	Colour	Hardness	Temperature range
Polyurethane PU40 Shore	Red	40 Shore	+10 ÷ +45 °C

Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.MF60P.40.G38M	VG.MF60 suction cup, polyurethane, 40 Shore, G3/8" male	2322157
B	VG.MF60P.40.G38F	VG.MF60 suction cup, polyurethane, 40 Shore, G3/8" female	2322158



VG.MF80P flat suction cup with non-slip tread pattern in polyurethane

- Ideal for handling lubricated sheet metal in stamping processes
- Special tread pattern that increases friction on lubricated surfaces
- Vulcanised fittings for greater stability during fastening, the suction cups can withstand high shear forces



Application example



Technical data

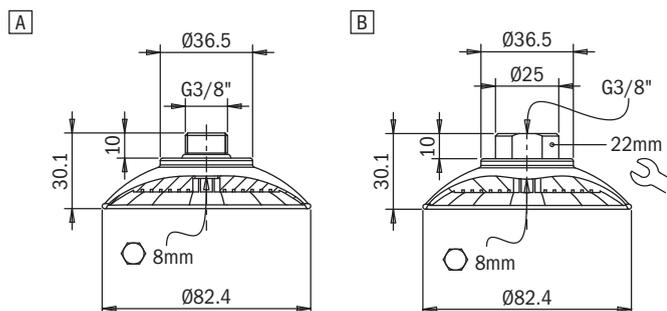
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU40	80	188	238	93	190	240	31	79	7.1	47

Technical features

Material	Colour	Hardness	Temperature range
Polyurethane PU40 Shore	Red	40 Shore	+10 ÷ +45 °C

Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.MF80P.40.G38M	VG.MF80 suction cup, polyurethane, 40 Shore, G3/8" male	2322159
B	VG.MF80P.40.G38F	VG.MF80 suction cup, polyurethane, 40 Shore, G3/8" female	2322160



VG.MF100P flat suction cup with non-slip tread pattern in polyurethane

- Ideal for handling lubricated sheet metal in stamping processes
- Special tread pattern that increases friction on lubricated surfaces
- Vulcanised fittings for greater stability during fastening, the suction cups can withstand high shear forces



Application example



Technical data

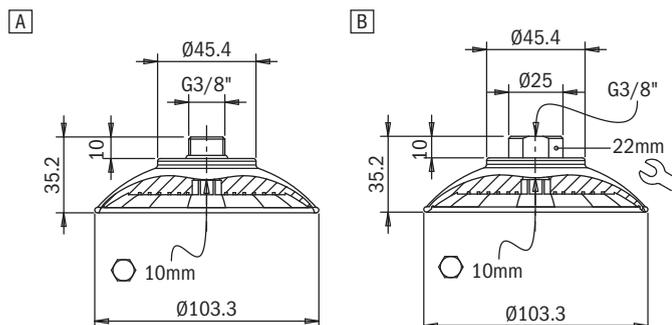
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vertical movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
PU40	140	300	390	178	320	410	81	110	10.3	60

Technical features

Material	Colour	Hardness	Temperature range
Polyurethane PU40 Shore	Red	40 Shore	+10 ÷ +45 °C

Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.MF100P.40.G38M	VG.MF100 suction cup, polyurethane, 40 Shore, G3/8" male	2322161
B	VG.MF100P.40.G38F	VG.MF100 suction cup, polyurethane, 40 Shore, G3/8" female	2322162



VG.MF120P flat suction cup with non-slip tread pattern in polyurethane

- Ideal for handling lubricated sheet metal in stamping processes
- Special tread pattern that increases friction on lubricated surfaces
- Vulcanised fittings for greater stability during fastening, the suction cups can withstand high shear forces



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				
PU40	226	630	850	200	500	790	210	155	12.5	63

Technical features

Material	Colour	Hardness	Temperature range
Polyurethane PU40 Shore	Red	40 Shore	+10 ÷ +45 °C

Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.MF120P.40.G38M	VG.MF120 suction cup, polyurethane, 40 Shore, G3/8" male	2322163
B	VG.MF120P.40.G38F	VG.MF120 suction cup, polyurethane, 40 Shore, G3/8" female	2322164

