

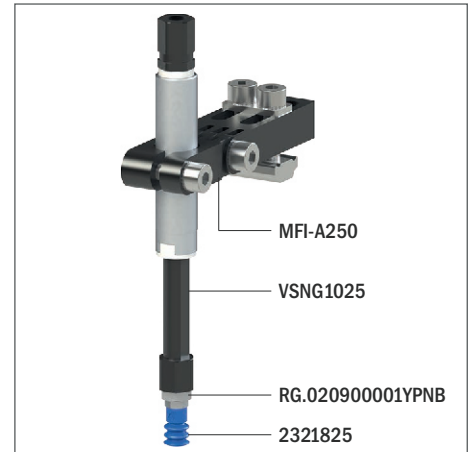
Suction cups / NBR-HNBR

VG.LB6 bellows suction cups in NBR-HNBR

- Suitable for handling plastic parts
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height
- Ideal for leafng through and picking up thin metal sheets, glass sheets, chipboard or pressed wood panels, plastic laminates
- The HNBR version enables to work at high temperatures, whereas silicone or other mixtures may release traces of material. Ideal for applications where contamination of the material must be avoided (PWIS)
- The HNBR compound is robust and wear resistant, suitable for the removal of hot plastic parts from the relevant moulds



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 vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
NBR 50	0.4	1.1	1.7	—	—	—	0.033	8	3	0.1
HNBR 60	0.4	1.1	1.7	—	—	—	0.033	8	3	0.1

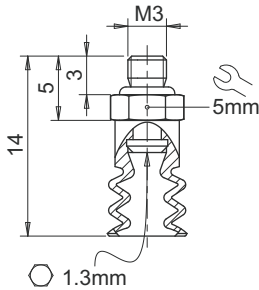
Technical features

Material	Colour	Hardness	Temperature range
NBR	Black	50 Shore	-40 ÷ +100 °C
HNBR	Blue	60 Shore	-25 ÷ +150 °C

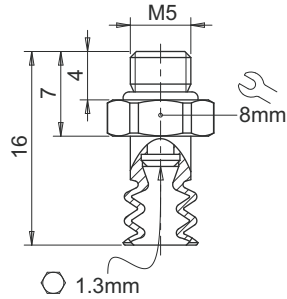
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.LB6N.50.M3M.E5	VG.LB6 suction cup, NBR, 50 Shore, M3 male, 5 mm hex	2321823
A	VG.LB6H.60.M3M.E5	VG.LB6 suction cup, HNBR, 60 Shore, M3 male, 5 mm hex	2321825
B	VG.LB6N.50.M5M.E8	VG.LB6 suction cup, NBR, 50 Shore, M5 male, 8 mm hex	2321023
B	VG.LB6H.60.M5M.E8	VG.LB6 suction cup, HNBR, 60 Shore, M5 male, 8 mm hex	2321025

[A]



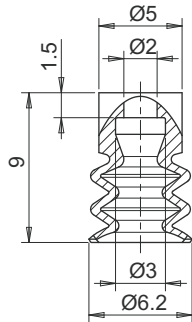
[B]



Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.LB6N.50	VG.LB6 suction cup, NBR, 50 Shore	2321824
A	VG.LB6H.60	VG.LB6 suction cup, HNBR, 60 Shore	2321826

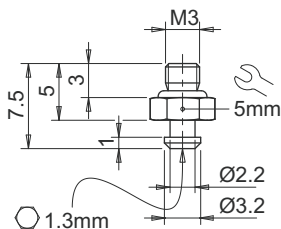
[A]



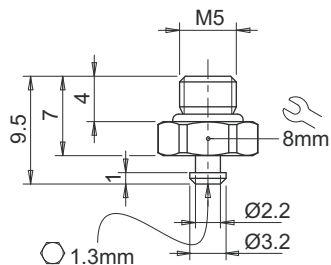
Identification codes

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

[A]



[B]



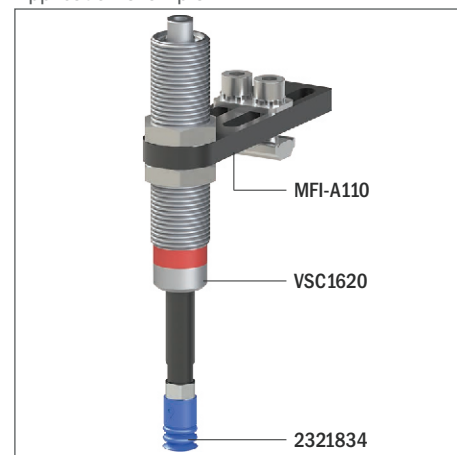
Suction cups / NBR-HNBR

VG.LB9 bellows suction cups in NBR-HNBR

- Suitable for handling plastic parts
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height
- Ideal for leafng through and picking up thin metal sheets, glass sheets, chipboard or pressed wood panels, plastic laminates
- The HNBR version enables to work at high temperatures, whereas silicone or other mixtures may release traces of material. Ideal for applications where contamination of the material must be avoided (PWIS)
- The HNBR compound is robust and wear resistant, suitable for the removal of hot plastic parts from the relevant moulds



Application example



Technical data

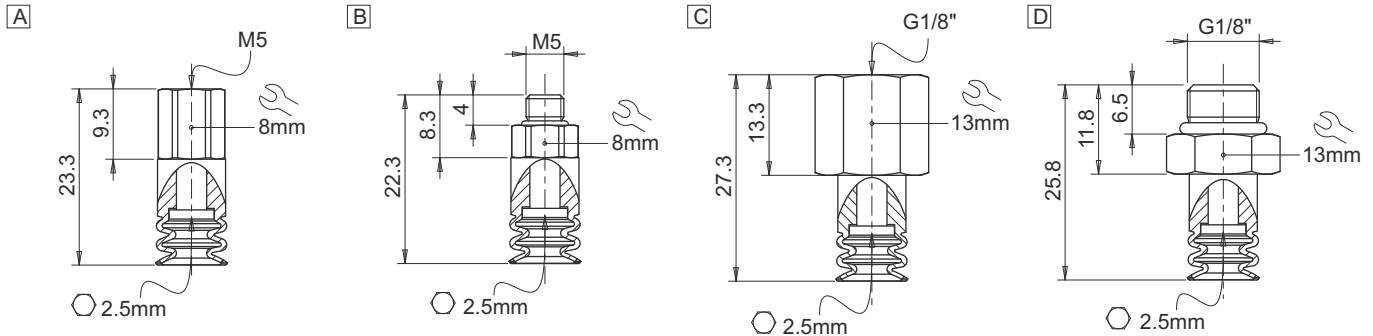
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
NBR 50	1.1	3	4.2	—	—	—	0.15	10	4	0.7
HNBR 60	1.1	3	4.2	—	—	—	0.15	10	4	0.5

Technical features

Material	Colour	Hardness	Temperature range
NBR	Black	50 Shore	-40 ÷ +100 °C
HNBR	Blue	60 Shore	-25 ÷ +150 °C

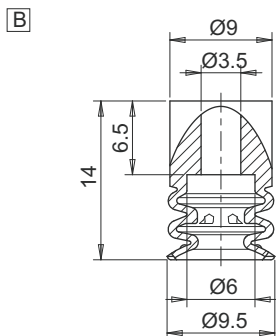
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.LB9N.50.M5F.E8	VG.LB9 suction cup, NBR, 50 Shore, M5 female, 8 mm hex	2321827
B	VG.LB9N.50.M5M.E8	VG.LB9 suction cup, NBR, 50 Shore, M5 male, 8 mm hex	2321829
C	VG.LB9N.50.G18F.E13	VG.LB9 suction cup, NBR, 50 Shore, G1/8" female, 13 mm hex	2321830
D	VG.LB9N.50.G18M.E13	VG.LB9 suction cup, NBR, 50 Shore, G1/8" male, 13 mm hex	2321831
A	VG.LB9H.60.M5F.E8	VG.LB9 suction cup, HNBR, 60 Shore, M5 female, 8 mm hex	2321832
B	VG.LB9H.60.M5M.E8	VG.LB9 suction cup, HNBR, 60 Shore, M5 male, 8 mm hex	2321834
C	VG.LB9H.60.G18F.E13	VG.LB9 suction cup, HNBR, 60 Shore, G1/8" female, 13 mm hex	2321835
D	VG.LB9H.60.G18M.E13	VG.LB9 suction cup, HNBR, 60 Shore, G1/8" male, 13 mm hex	2321836



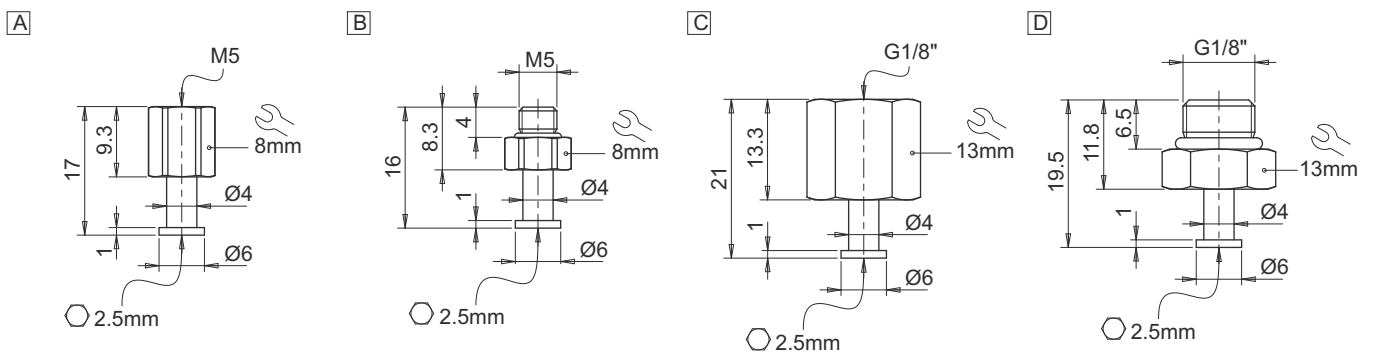
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.LB9N.50	VG.LB9 suction cup, NBR, 50 Shore	2321828
A	VG.LB9H.60	VG.LB9 suction cup, HNBR, 60 Shore	2321833



Identification codes

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



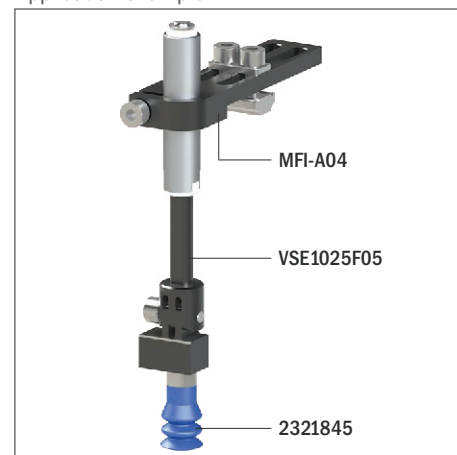
Suction cups / NBR-HNBR

VG.LB11 bellows suction cups in NBR-HNBR

- Suitable for handling plastic parts
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height
- Ideal for leafng through and picking up thin metal sheets, glass sheets, chipboard or pressed wood panels, plastic laminates
- The HNBR version enables to work at high temperatures, whereas silicone or other mixtures may release traces of material. Ideal for applications where contamination of the material must be avoided (PWIS)
- The HNBR compound is robust and wear resistant, suitable for the removal of hot plastic parts from the relevant moulds



Application example



Technical data

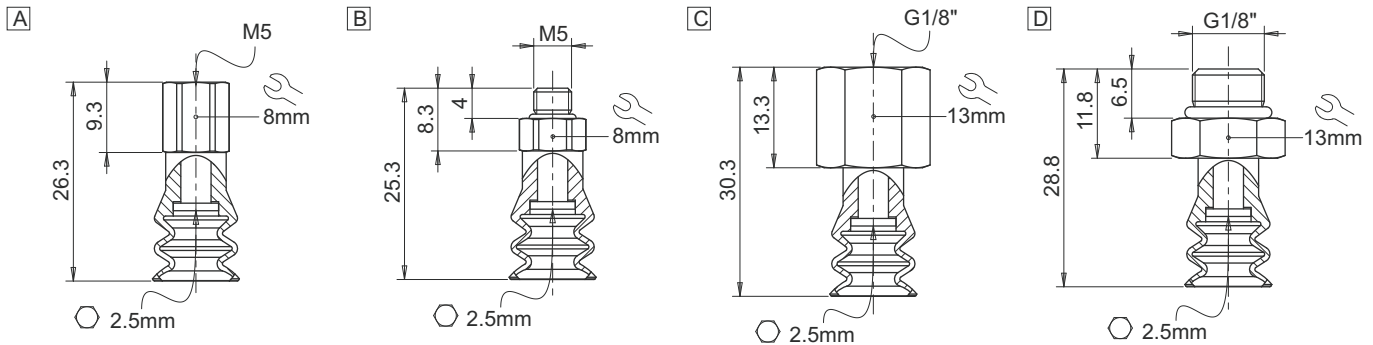
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
NBR 50	1.7	4.3	6.6	—	—	—	0.6	13	7	0.8
HNBR 60	1.7	4.3	6.6	—	—	—	0.6	13	7	0.6

Technical features

Material	Colour	Hardness	Temperature range
NBR	Black	50 Shore	-40 ÷ +100 °C
HNBR	Blue	60 Shore	-25 ÷ +150 °C

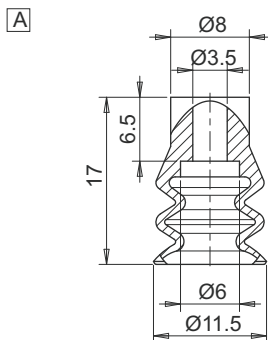
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.LB11N.50.M5F.E8	VG.LB11 suction cup, NBR, 50 Shore, M5 female, 8 mm hex	2321837
B	VG.LB11N.50.M5M.E8	VG.LB11 suction cup, NBR, 50 Shore, M5 male, 8 mm hex	2321839
C	VG.LB11N.50.G18F.E13	VG.LB11 suction cup, NBR, 50 Shore, G1/8" female, 13 mm hex	2321840
D	VG.LB11N.50.G18M.E13	VG.LB11 suction cup, NBR, 50 Shore, G1/8" male, 13 mm hex	2321841
A	VG.LB11H.60.M5F.E8	VG.LB11 suction cup, HNBR, 60 Shore, M5 female, 8 mm hex	2321842
B	VG.LB11H.60.M5M.E8	VG.LB11 suction cup, HNBR, 60 Shore, M5 male, 8 mm hex	2321845
C	VG.LB11H.60.G18F.E13	VG.LB11 suction cup, HNBR, 60 Shore, G1/8" female, 13 mm hex	2321846
D	VG.LB11H.60.G18M.E13	VG.LB11 suction cup, HNBR, 60 Shore, G1/8" male, 13 mm hex	2321847



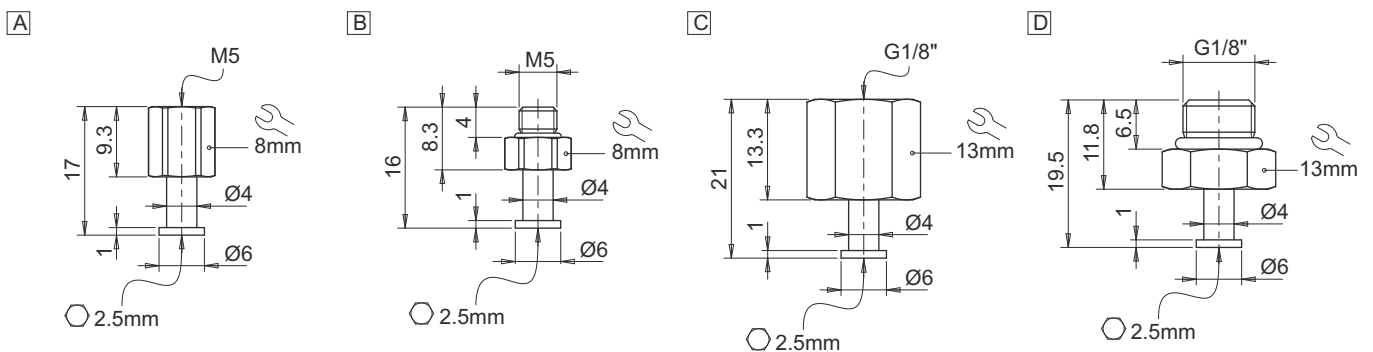
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.LB11N.50	VG.LB11 suction cup, NBR, 50 Shore	2321838
A	VG.LB11H.60	VG.LB11 suction cup, HNBR, 60 Shore	2321843



Identification codes

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



Suction cups / NBR-HNBR

VG.LB16 bellows suction cups in NBR-HNBR

- Suitable for handling plastic parts
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height
- Ideal for leafng through and picking up thin metal sheets, glass sheets, chipboard or pressed wood panels, plastic laminates
- The HNBR version enables to work at high temperatures, whereas silicone or other mixtures may release traces of material. Ideal for applications where contamination of the material must be avoided (PWIS)
- The HNBR compound is robust and wear resistant, suitable for the removal of hot plastic parts from the relevant moulds



Application example



Technical data

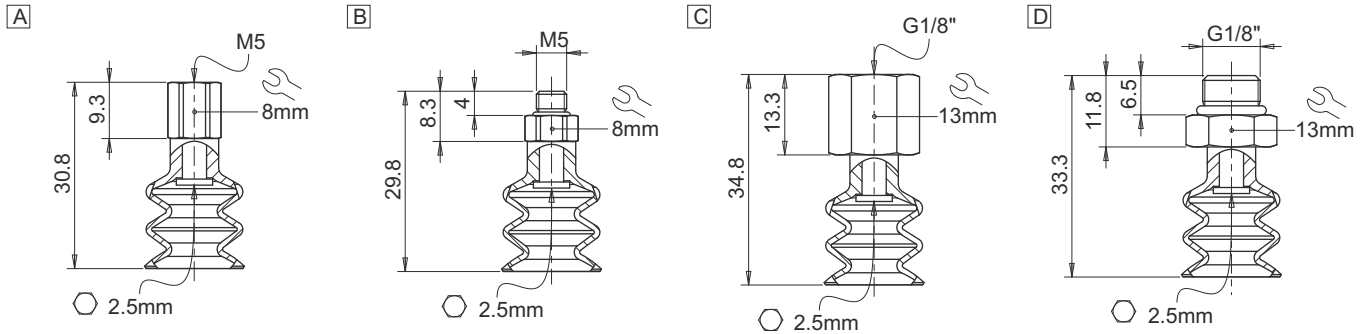
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
NBR 50	3.6	9.4	13.2	—	—	—	1.92	18	9	1.3
HNBR 60	3.6	9.4	13.2	—	—	—	1.92	18	9	1.1

Technical features

Material	Colour	Hardness	Temperature range
NBR	Black	50 Shore	-40 ÷ +100 °C
HNBR	Blue	60 Shore	-25 ÷ +150 °C

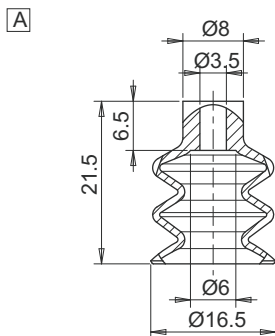
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.LB16N.50.M5F.E8	VG.LB16 suction cup, NBR, 50 Shore, M5 female, 8 mm hex	2321848
B	VG.LB16N.50.M5M.E8	VG.LB16 suction cup, NBR, 50 Shore, M5 male, 8 mm hex	2321850
C	VG.LB16N.50.G18F.E13	VG.LB16 suction cup, NBR, 50 Shore, G1/8" female, 13 mm hex	2321851
D	VG.LB16N.50.G18M.E13	VG.LB16 suction cup, NBR, 50 Shore, G1/8" male, 13 mm hex	2321852
A	VG.LB16H.60.M5F.E8	VG.LB16 suction cup, HNBR, 60 Shore, M5 female, 8 mm hex	2321853
B	VG.LB16H.60.M5M.E8	VG.LB16 suction cup, HNBR, 60 Shore, M5 male, 8 mm hex	2321855
C	VG.LB16H.60.G18F.E13	VG.LB16 suction cup, HNBR, 60 Shore, G1/8" female, 13 mm hex	2321856
D	VG.LB16H.60.G18M.E13	VG.LB16 suction cup, HNBR, 60 Shore, G1/8" male, 13 mm hex	2321857



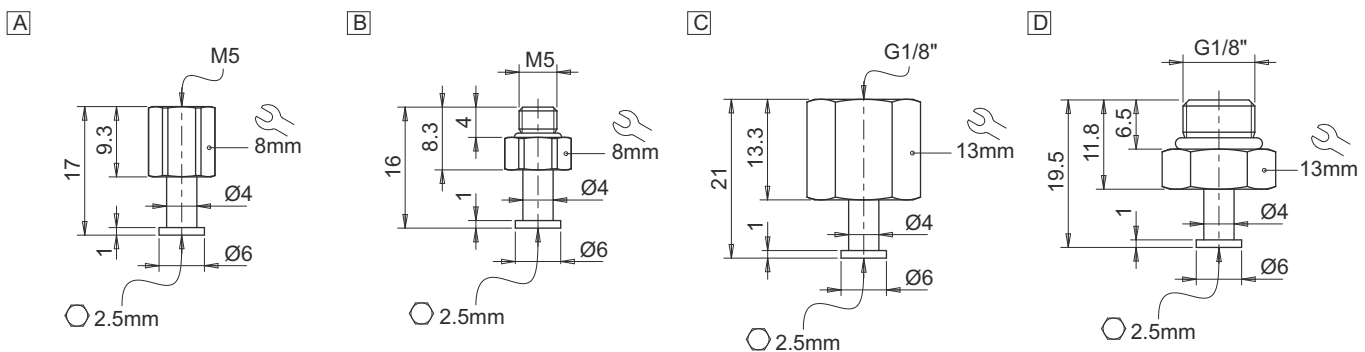
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.LB16N.50	VG.LB16 suction cup, NBR, 50 Shore	2321849
A	VG.LB16H.60	VG.LB16 suction cup, HNBR, 60 Shore	2321854



Identification codes

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



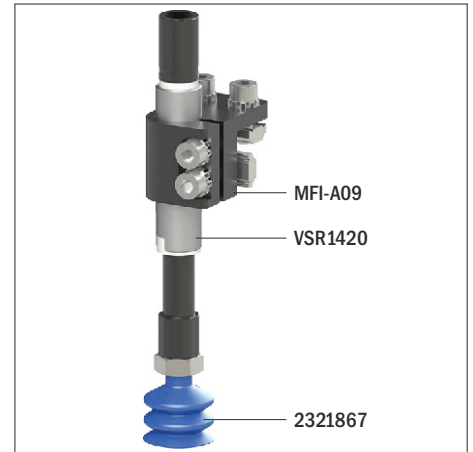
Suction cups / NBR-HNBR

VG.LB22 bellows suction cups in NBR-HNBR

- Suitable for handling plastic parts
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height
- Ideal for leafng through and picking up thin metal sheets, glass sheets, chipboard or pressed wood panels, plastic laminates
- The HNBR version enables to work at high temperatures, whereas silicone or other mixtures may release traces of material. Ideal for applications where contamination of the material must be avoided (PWIS)
- The HNBR compound is robust and wear resistant, suitable for the removal of hot plastic parts from the relevant moulds



Application example



Technical data

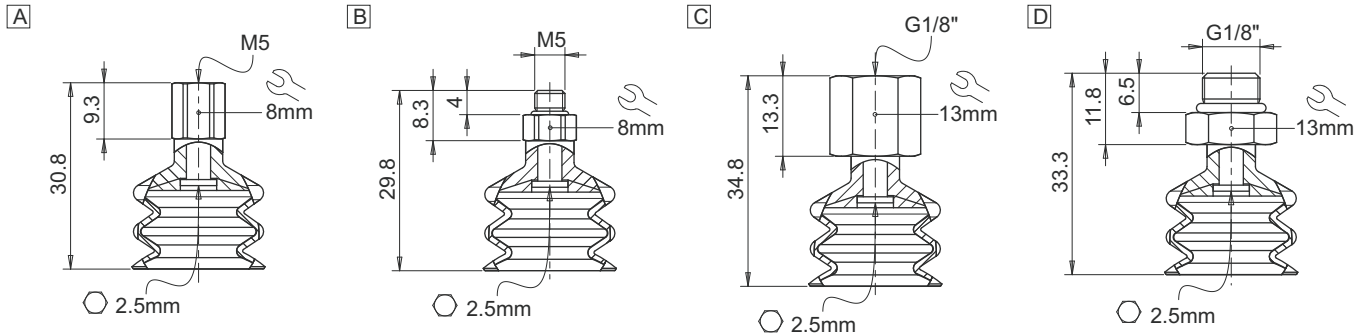
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm ³]	Min curve radius [mm]	Max vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
NBR 50	6.2	16.1	23.4	—	—	—	2	30	18	2.5
HNBR 60	6.2	16.1	23.4	—	—	—	2	30	18	2

Technical features

Material	Colour	Hardness	Temperature range
NBR	Black	50 Shore	-40 ÷ +100 °C
HNBR	Blue	60 Shore	-25 ÷ +150 °C

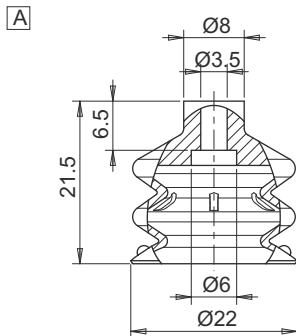
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.LB22N.50.M5F.E8	VG.LB22 suction cup, NBR, 50 Shore, M5 female, 8 mm hex	2321858
B	VG.LB22N.50.M5M.E8	VG.LB22 suction cup, NBR, 50 Shore, M5 male, 8 mm hex	2321860
C	VG.LB22N.50.G18F.E13	VG.LB22 suction cup, NBR, 50 Shore, G1/8" female, 13 mm hex	2321861
D	VG.LB22N.50.G18M.E13	VG.LB22 suction cup, NBR, 50 Shore, G1/8" male, 13 mm hex	2321862
A	VG.LB22H.60.M5F.E8	VG.LB22 suction cup, HNBR, 60 Shore, M5 female, 8 mm hex	2321863
B	VG.LB22H.60.M5M.E8	VG.LB22 suction cup, HNBR, 60 Shore, M5 male, 8 mm hex	2321865
C	VG.LB22H.60.G18F.E13	VG.LB22 suction cup, HNBR, 60 Shore, G1/8" female, 13 mm hex	2321866
D	VG.LB22H.60.G18M.E13	VG.LB22 suction cup, HNBR, 60 Shore, G1/8" male, 13 mm hex	2321867



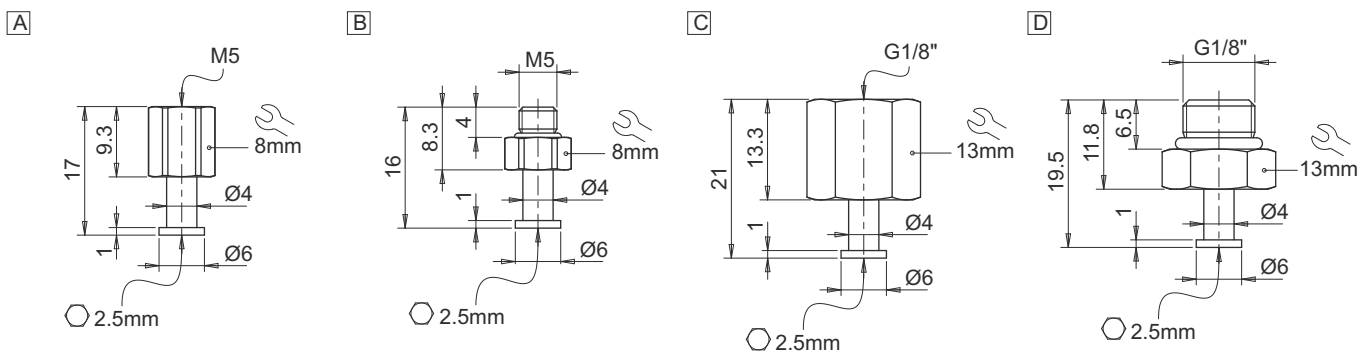
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.LB22N.50	VG.LB22 suction cup, NBR, 50 Shore	2321859
A	VG.LB22H.60	VG.LB22 suction cup, HNBR, 60 Shore	2321864



Identification codes

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

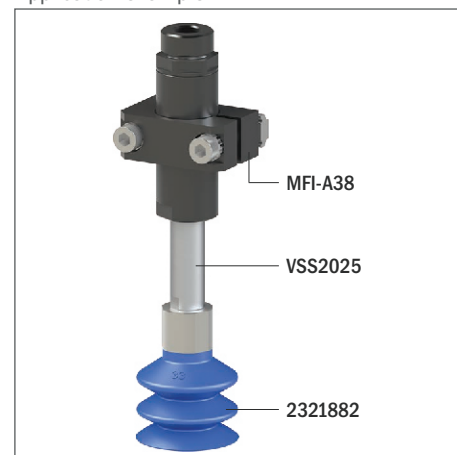


Suction cups / NBR-HNBR

VG.LB33 bellows suction cups in NBR-HNBR

- Suitable for handling plastic parts
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height
- Ideal for leafng through and picking up thin metal sheets, glass sheets, chipboard or pressed wood panels, plastic laminates
- The HNBR version enables to work at high temperatures, whereas silicone or other mixtures may release traces of material. Ideal for applications where contamination of the material must be avoided (PWIS)
- The HNBR compound is robust and wear resistant, suitable for the removal of hot plastic parts from the relevant moulds

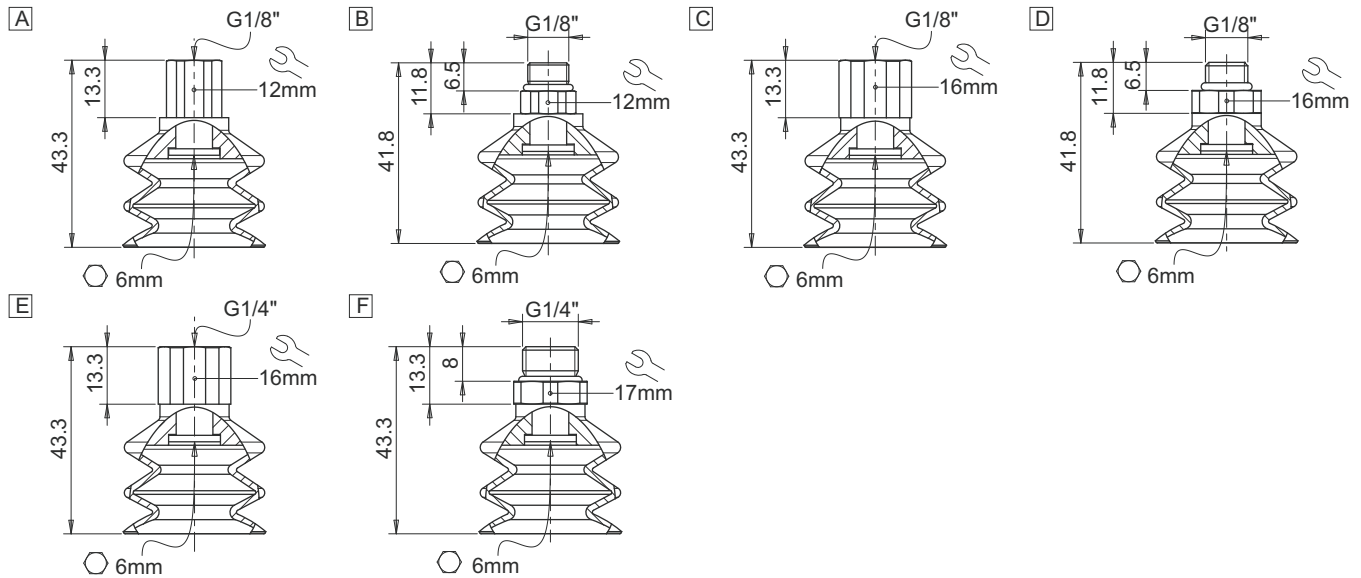
Application example



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 vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
NBR 50	13.9	40.4	52.3	—	—	—	10	35	15	8.3
HNBR 60	13.9	40.4	52.3	—	—	—	10	35	15	6.7

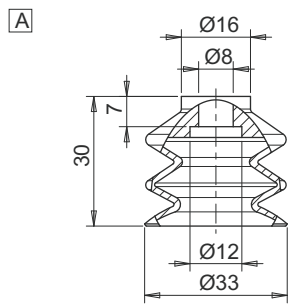
Technical features			
Material	Colour	Hardness	Temperature range
NBR	Black	50 Shore	-40 ÷ +100 °C
HNBR	Blue	60 Shore	-25 ÷ +150 °C

Identification codes			
Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.LB33N.50.G18F.E12	VG.LB33 suction cup, NBR, 50 Shore, G1/8" female, 12 mm hex	2321872
B	VG.LB33N.50.G18M.E12	VG.LB33 suction cup, NBR, 50 Shore, G1/8" male, 12 mm hex	2321874
C	VG.LB33N.50.G18F.E16	VG.LB33 suction cup, NBR, 50 Shore, G1/8" female, 16 mm hex	2321875
D	VG.LB33N.50.G18M.E16	VG.LB33 suction cup, NBR, 50 Shore, G1/8" male, 16 mm hex	2321876
E	VG.LB33N.50.G14F.E16	VG.LB33 suction cup, NBR, 50 Shore, G1/4" female, 16 mm hex	2321877
F	VG.LB33N.50.G14M.E17	VG.LB33 suction cup, NBR, 50 Shore, G1/4" male, 17 mm hex	2321878
A	VG.LB33H.60.G18F.E12	VG.LB33 suction cup, HNBR, 60 Shore, G1/8" female, 12 mm hex	2321879
B	VG.LB33H.60.G18M.E12	VG.LB33 suction cup, HNBR, 60 Shore, G1/8" male, 12 mm hex	2321881
C	VG.LB33H.60.G18F.E16	VG.LB33 suction cup, HNBR, 60 Shore, G1/8" female, 16 mm hex	2321882
D	VG.LB33H.60.G18M.E16	VG.LB33 suction cup, HNBR, 60 Shore, G1/8" male, 16 mm hex	2321883
E	VG.LB33H.60.G14F.E16	VG.LB33 suction cup, HNBR, 60 Shore, G1/4" female, 16 mm hex	2321884
F	VG.LB33H.60.G14M.E17	VG.LB33 suction cup, HNBR, 60 Shore, G1/4" male, 17 mm hex	2321885



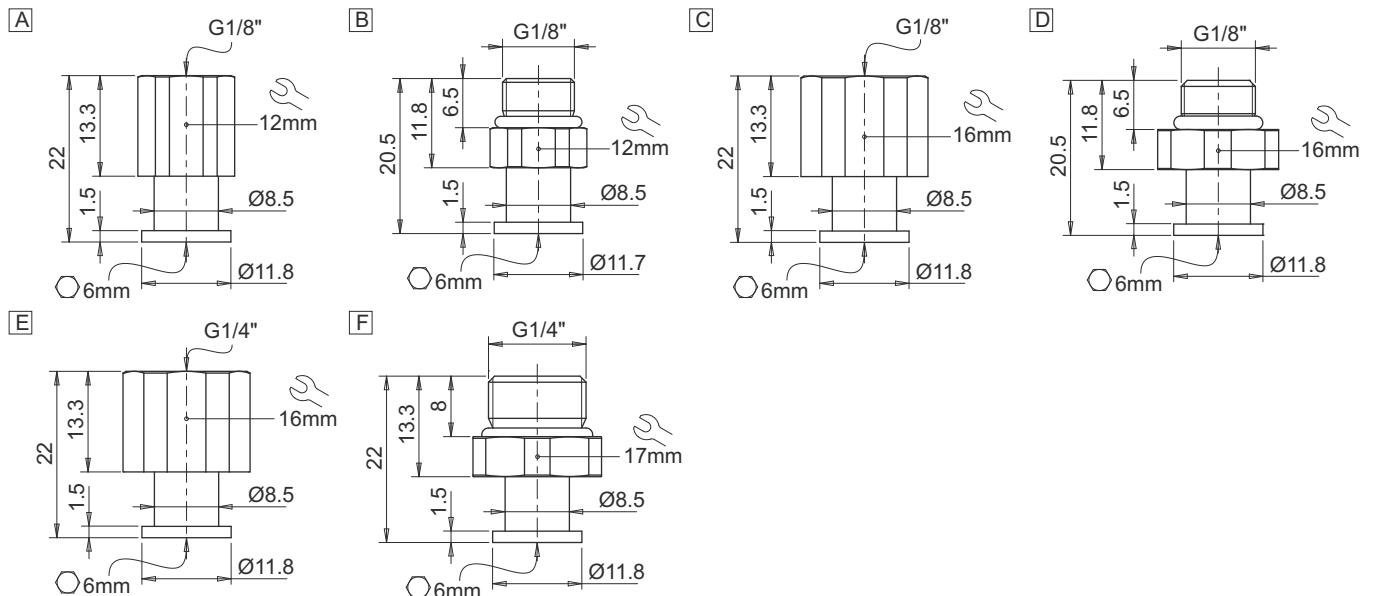
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.LB33N.50	VG.LB33 suction cup, NBR, 50 Shore	2321873
A	VG.LB33H.60	VG.LB33 suction cup, HNBR, 60 Shore	2321880



Identification codes

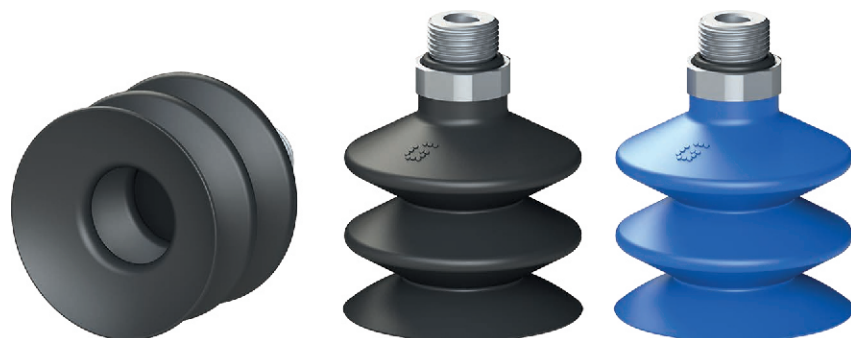
Drawing	Alphanumeric code	Fittings	Order code
A	FT.G18FE12	G1/8" female fitting, 12 mm hex	2321422
B	FT.G18ME12	G1/8" male fitting, 12 mm hex	2321424
C	FT.G18FE16	G1/8" female fitting, 16 mm hex	2321426
D	FT.G18ME16	G1/8" male fitting, 16 mm hex	2321428
E	FT.G14FE16	G1/4" female fitting, 16 mm hex	2321430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



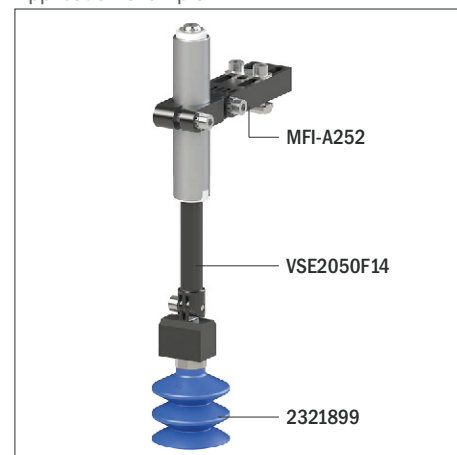
Suction cups / NBR-HNBR

VG.LB42 bellows suction cups in NBR-HNBR

- Suitable for handling plastic parts
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height
- Ideal for leafng through and picking up thin metal sheets, glass sheets, chipboard or pressed wood panels, plastic laminates
- The HNBR version enables to work at high temperatures, whereas silicone or other mixtures may release traces of material. Ideal for applications where contamination of the material must be avoided (PWIS)
- The HNBR compound is robust and wear resistant, suitable for the removal of hot plastic parts from the relevant moulds



Application example



Technical data

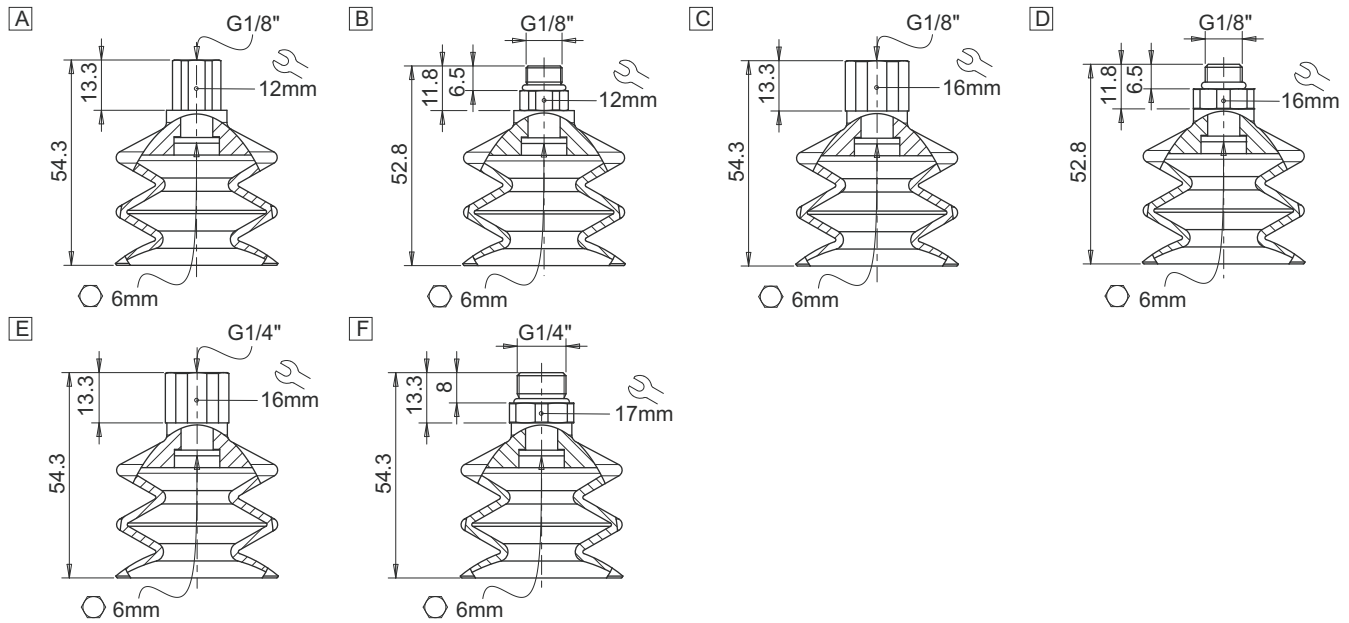
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm³]	Min curve radius [mm]	Max vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
NBR 50	25.2	70.2	85.5	—	—	—	19	75	20	19.1
HNBR 60	25.2	70.2	85.5	—	—	—	19	75	20	15.5

Technical features

Material	Colour	Hardness	Temperature range
NBR	Black	50 Shore	-40 ÷ +100 °C
HNBR	Blue	60 Shore	-25 ÷ +150 °C

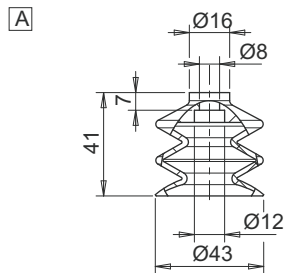
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.LB42N.50.G18F.E12	VG.LB42 suction cup, NBR, 50 Shore, G1/8" female, 12 mm hex	2321886
B	VG.LB42N.50.G18M.E12	VG.LB42 suction cup, NBR, 50 Shore, G1/8" male, 12 mm hex	2321888
C	VG.LB42N.50.G18F.E16	VG.LB42 suction cup, NBR, 50 Shore, G1/8" female, 16 mm hex	2321889
D	VG.LB42N.50.G18M.E16	VG.LB42 suction cup, NBR, 50 Shore, G1/8" male, 16 mm hex	2321890
E	VG.LB42N.50.G14F.E16	VG.LB42 suction cup, NBR, 50 Shore, G1/4" female, 16 mm hex	2321891
F	VG.LB42N.50.G14M.E17	VG.LB42 suction cup, NBR, 50 Shore, G1/4" male, 17 mm hex	2321892
A	VG.LB42H.60.G18F.E12	VG.LB42 suction cup, HNBR, 60 Shore, G1/8" female, 12 mm hex	2321893
B	VG.LB42H.60.G18M.E12	VG.LB42 suction cup, HNBR, 60 Shore, G1/8" male, 12 mm hex	2321895
C	VG.LB42H.60.G18F.E16	VG.LB42 suction cup, HNBR, 60 Shore, G1/8" female, 16 mm hex	2321896
D	VG.LB42H.60.G18M.E16	VG.LB42 suction cup, HNBR, 60 Shore, G1/8" male, 16 mm hex	2321897
E	VG.LB42H.60.G14F.E16	VG.LB42 suction cup, HNBR, 60 Shore, G1/4" female, 16 mm hex	2321898
F	VG.LB42H.60.G14M.E17	VG.LB42 suction cup, HNBR, 60 Shore, G1/4" male, 17 mm hex	2321899



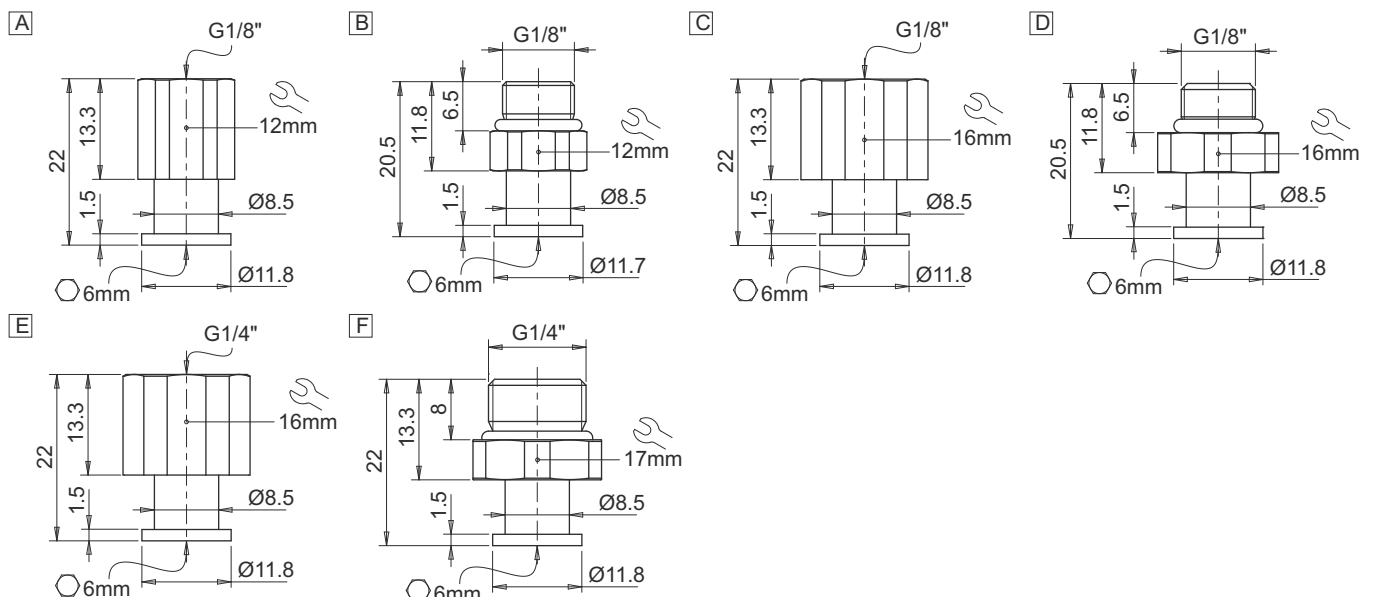
Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.LB42N.50	VG.LB42 suction cup, NBR, 50 Shore	2321887
A	VG.LB42H.60	VG.LB42 suction cup, HNBR, 60 Shore	2321894



Identification codes

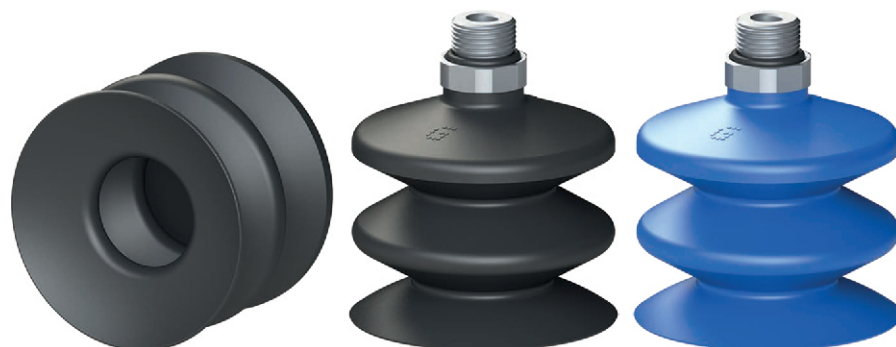
Drawing	Alphanumeric code	Fittings	Order code
A	FT.G18FE12	G1/8" female fitting, 12 mm hex	2321422
B	FT.G18ME12	G1/8" male fitting, 12 mm hex	2321424
C	FT.G18FE16	G1/8" female fitting, 16 mm hex	2321426
D	FT.G18ME16	G1/8" male fitting, 16 mm hex	2321428
E	FT.G14FE16	G1/4" female fitting, 16 mm hex	2321430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



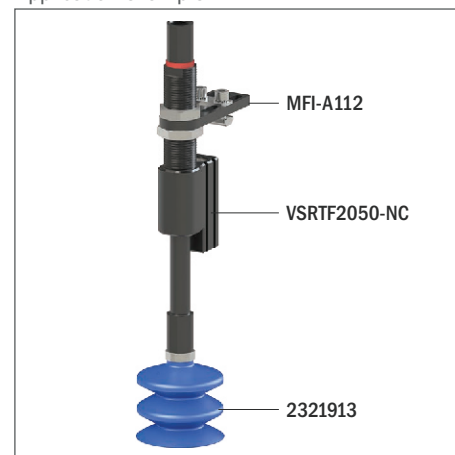
Suction cups / NBR-HNBR

VG.LB53 bellows suction cups in NBR-HNBR

- Suitable for handling plastic parts
- Suitable for objects with fat or slightly curved surfaces
- They enable to compensate for differences in height
- Ideal for leafing through and picking up thin metal sheets, glass sheets, chipboard or pressed wood panels, plastic laminates
- The HNBR version enables to work at high temperatures, whereas silicone or other mixtures may release traces of material. Ideal for applications where contamination of the material must be avoided (PWIS)
- The HNBR compound is robust and wear resistant, suitable for the removal of hot plastic parts from the relevant moulds



Application example



Technical data

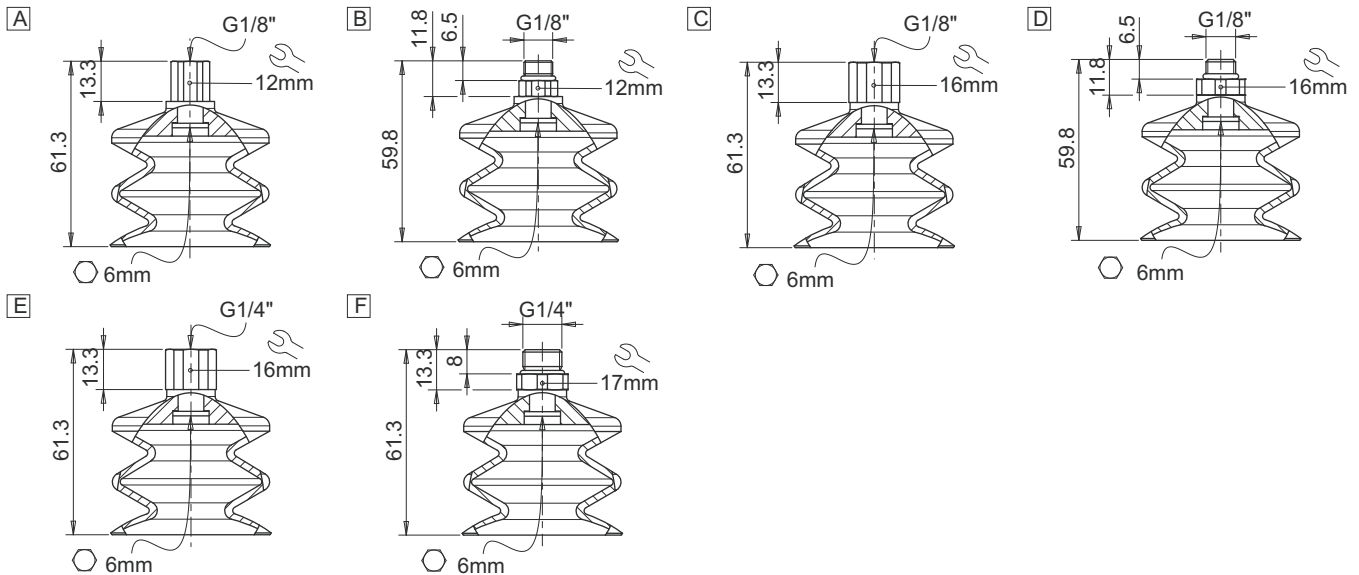
Material	Lifting force [N] perpendicular to the surface, at various vacuum levels			Lifting force [N] parallel to the surface, at various vacuum levels			Volume [cm³]	Min curve radius [mm]	Max vert. movement [mm]	Suction cup weight [g]
	-20 kPa	-60 kPa	-90 kPa	-20 kPa	-60 kPa	-90 kPa				
NBR 50	40.3	102.8	106.7	—	—	—	37	80	25	31.5
HNBR 60	40.3	102.8	106.7	—	—	—	37	80	25	25.6

Technical features

Material	Colour	Hardness	Temperature range
NBR	Black	50 Shore	-40 ÷ +100 °C
HNBR	Blue	60 Shore	-25 ÷ +150 °C

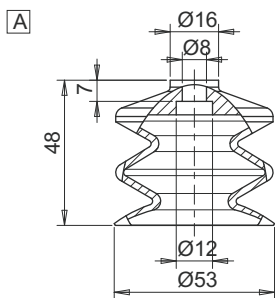
Identification codes

Drawing	Alphanumeric code	Suction cups with fitting	Order code
A	VG.LB53N.50.G18F.E12	VG.LB53 suction cup, NBR, 50 Shore, G1/8" female, 12 mm hex	2321900
B	VG.LB53N.50.G18M.E12	VG.LB53 suction cup, NBR, 50 Shore, G1/8" male, 12 mm hex	2321902
C	VG.LB53N.50.G18F.E16	VG.LB53 suction cup, NBR, 50 Shore, G1/8" female, 16 mm hex	2321903
D	VG.LB53N.50.G18M.E16	VG.LB53 suction cup, NBR, 50 Shore, G1/8" male, 16 mm hex	2321904
E	VG.LB53N.50.G14F.E16	VG.LB53 suction cup, NBR, 50 Shore, G1/4" female, 16 mm hex	2321905
F	VG.LB53N.50.G14M.E17	VG.LB53 suction cup, NBR, 50 Shore, G1/4" male, 17 mm hex	2321906
A	VG.LB53H.60.G18F.E12	VG.LB53 suction cup, HNBR, 60 Shore, G1/8" female, 12 mm hex	2321907
B	VG.LB53H.60.G18M.E12	VG.LB53 suction cup, HNBR, 60 Shore, G1/8" male, 12 mm hex	2321909
C	VG.LB53H.60.G18F.E16	VG.LB53 suction cup, HNBR, 60 Shore, G1/8" female, 16 mm hex	2321910
D	VG.LB53H.60.G18M.E16	VG.LB53 suction cup, HNBR, 60 Shore, G1/8" male, 16 mm hex	2321911
E	VG.LB53H.60.G14F.E16	VG.LB53 suction cup, HNBR, 60 Shore, G1/4" female, 16 mm hex	2321912
F	VG.LB53H.60.G14M.E17	VG.LB53 suction cup, HNBR, 60 Shore, G1/4" male, 17 mm hex	2321913



Identification codes

Drawing	Alphanumeric code	Suction cups	Order code
A	VG.LB53N.50	VG.LB53 suction cup, NBR, 50 Shore	2321901
A	VG.LB53H.60	VG.LB53 suction cup, HNBR, 60 Shore	2321908



Identification codes

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

