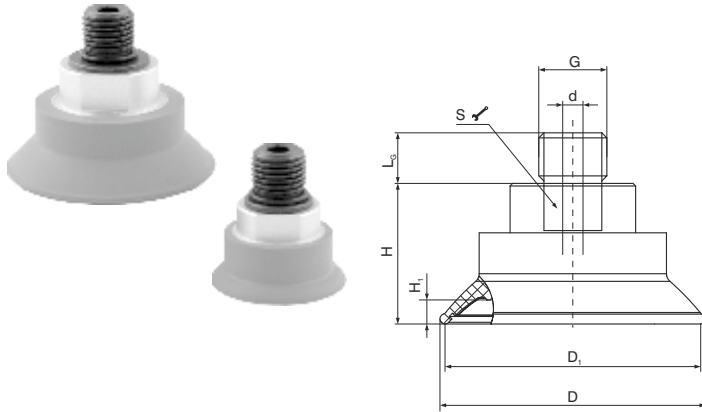


High friction round suction cup



Code	D	D ₁	d	G	H	L _g	S	H ₁
19GTN.N.14.030.00	32	30	4	G1/4M	20	12	17	2.7
19GTN.N.14.040.00	42	40	4	G1/4M	22	12	17	3.7
19GTN.N.14.050.00	52	50	6	G1/4M	28	12	22	4.7
19GTN.N.14.060.00	62.5	60	6	G1/4M	31	12	22	6
19GTN.N.14.080.00	82	80	6	G1/4M	34	12	22	7.5
19GTN.N.14.100.00	103	100	6	G1/4M	36	12	22	9.2

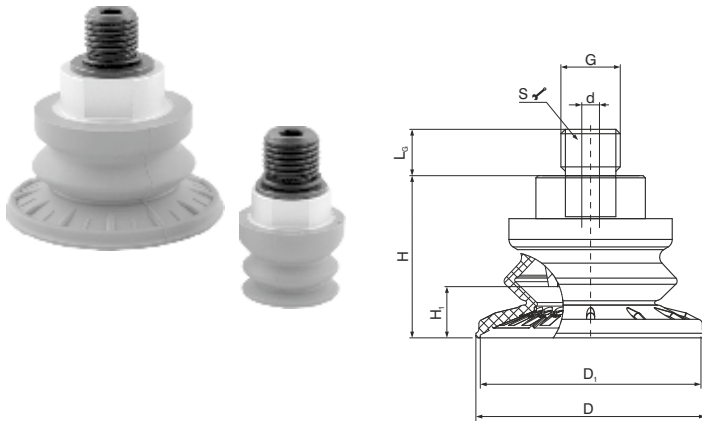
High friction round suction cup suitable for movement of pieces of various size and shape, reinforced internal structure ensures that lifted objects are not deformed and increases friction force in applications with force parallel to the grip plane. The innovative design of the support plane inside the suction cup ensures high coefficient of friction with the grip surface, in particular on very oily sheets or glass panes and very wet marble, thanks to this suction cup's drainage capability. This suction cup is most particularly recommended for applications of handling sheet metal parts in the "automotive" industry. This characteristic means that there is a secure and solid grip by the suction cup and consequently ensures accurate positioning of the load to be moved.

Table of lifting forces

Code	Volume cm ³	Lifting force in vertical direction (N)	Lifting force in parallel direction (N)	Lateral force on oily surface (N)	Weight (gr.)
		-60kPa	-60kPa	-60kPa	
19GTN.N.14.030.00	1.6	45	35	33	28.3
19GTN.N.14.040.00	3.5	72	54	51	30.1
19GTN.N.14.050.00	7.5	112	90	86	55.4
19GTN.N.14.060.00	12.6	145	102	93	62.6
19GTN.N.14.080.00	35	288	212	190	81.4
19GTN.N.14.100.00	60	445	322	308	96.6

Material	Colour	Hardness °Shore A	Operating temperature °C
NBR	Orange	60	-20 ÷ 110

High friction round bellows suction cup



Code	D	D ₁	d	G	H	L _g	S	H ₁
19GTS.N.14.022.15	22	20	4	G1/4M	25	12	16	5.5
19GTS.N.14.030.15	32	30	4	G1/4M	28	12	17	9.5
19GTS.N.14.040.15	42	40	4	G1/4M	28.5	12	17	10
19GTS.N.14.050.15	52	50	6	G1/4M	37	12	22	11.5
19GTS.N.14.060.15	62.5	60	6	G1/4M	41	12	22	14.5
19GTS.N.14.080.15	82	80	6	G1/4M	50.5	12	22	22.5
19GTS.N.14.100.15	102.5	100	6	G1/4M	56	12	22	25

High friction round bellows suction cup suited for movement of pieces of various size and shape and where level compensation is necessary, such as when withdrawing from loaders. Especially recommended for applications with force parallel to the grip plane. The innovative design of the support plane inside the suction cup ensures high coefficient of friction with the grip surface, in particular on very oily sheets or glass panes and very wet marble, thanks to this suction cup's drainage capability. This feature enables a secure and solid grip by the suction cup and consequently ensures accurate positioning of the load to be moved.

Table of lifting forces

Code	Volume cm ³	Lifting force in vertical direction (N)	Lifting force in parallel direction (N)	Lateral force on oily surface (N)	Weight (gr.)
		-60kPa	-60kPa	-60kPa	
19GTS.N.14.022.15	1.5	23	20	6.5	25.2
19GTS.N.14.030.15	6.3	35	28	12	29.5
19GTS.N.14.040.15	7.2	62	37	34	30.9
19GTS.N.14.050.15	11.2	85	58	55	56.3
19GTS.N.14.060.15	22.5	141	88	83	64.4
19GTS.N.14.080.15	57	236	141	136	86.4
19GTS.N.14.100.15	92	371	228	221	116.6

Material	Colour	Hardness °Shore A	Operating temperature °C
NBR	Orange	60	-20 ÷ 110