

MaxiGrip Cups

On request:

Natural Rubber 45°Shore (-70 bis +80°C)
Silicone 45°Shore (-50 bis + 300°C)
FKM (-20 bis +300°C)



MORALI

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[MaxiGrip Cups high friction grip for secure and safe handling]

Designed as an alternative to the traditional vacuum cups utilised in the automotive robotics field, these new cups offer an excellent solution in the handling and transfer of work pieces in all industries. They are available in various shapes and sizes consisting of circular and oval in both flat and bellow configurations. The vacuum cups are vulcanised on a steel support which offers excellent security and extended life.

The extreme flexibility of the outside lip permits the cup to seal on flat, concave, convex and other surface contours without damaging the product being handled including thin gauge steel and other flexible or fragile parts.

The unique labyrinth design of the cup face offers very high grip characteristics on oil covered steel sheets or wet glass and marble work pieces. Because of this innovative design the various liquids found in the aforementioned applications are forced away from the cup surface to ensure a safe and secure grip of the part.

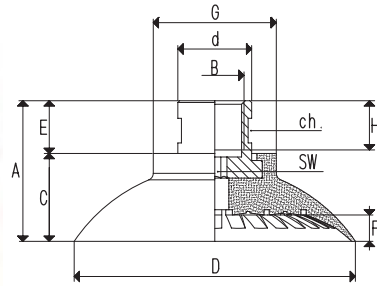
The standard MAXIGRIP CUPS are manufactured from our unique BENZ compound which has the following characteristics:

- 60-75 Shore Hardness
- Working Temperature of -40°C to +170°C (-40°F to 338°F)
- Non-marking
- Superior resistance to abrasion, water and oils containing chlorine

The zinc plated vulcanised support can be paired with a wide variety of accessories such as adaptors, quick release couplings and articulated joints to facilitate all handling applications.

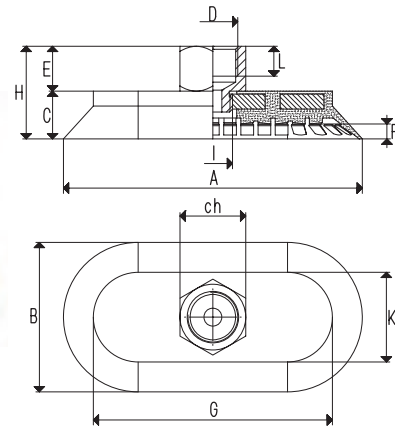
Considering their universality of use, upon request, the MAXIGRIP **CUPS** can be also delivered in other compounds.

flat round cups VRP



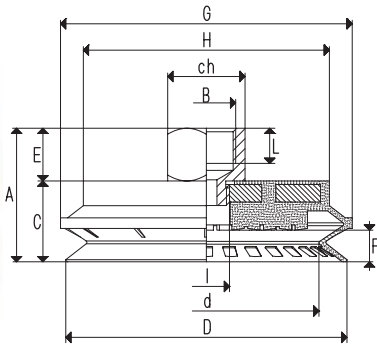
Art.	Force Kg.	A	B ø	C	ch	D ø	d ø	E	F	G ø	H	SW
VRP 40	3.14	31	1/4"	16	15	40	17	15	4.0	26	14	6
VRP 50	4.90	33	3/8"	18	19	50	21	15	5.0	30	14	6
VRP 60	7.06	36	3/8"	21	19	60	21	15	6.0	30	14	6
VRP 80	12.56	40	3/8"	25	19	80	21	15	7.5	35	14	6
VRP 100	19.62	40	3/8"	25	19	100	21	15	9.5	35	14	6
VRP 125	30.66	48	3/8"	33	19	125	21	15	12.5	35	14	6

flat elliptic cups VEP



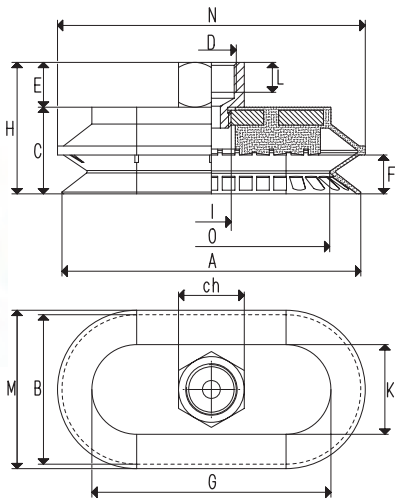
Art.	Forza Kg.	A	B	C	ch	D ø	E	F	G	H	K	I ø	L
VEP 30 60	4.01	60	30	13	17	1/4"	14	3	47	27	17	1/8"	10
VEP 30 90	6.26	90	30	13	17	1/4"	14	3	77	27	17	1/8"	10
VEP 40 80	7.14	80	40	14	17	1/4"	14	4	70	28	30	1/8"	10
VEP 50 100	11.15	100	50	16	22	3/8"	15	5	80	31	30	1/4"	10
VEP 60 120	16.06	120	60	18	22	3/8"	15	6	95	33	35	1/4"	10
VEP 70 140	21.86	140	70	19	22	3/8"	15	7	110	34	40	1/4"	10

bellows round cups VRS



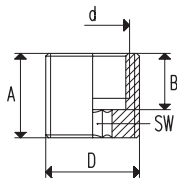
Art.	Force Kg.	A	B ø	C	ch	D ø	d ø	E	F	G ø	H ø	I ø	L
VRS 40	3.14	35	1/4"	21	17	40	24	14	7	43	30	1/8"	10
VRS 50	4.90	36	3/8"	21	22	50	34	15	7	53	40	1/4"	10
VRS 60	7.06	36	3/8"	21	22	60	44	15	7	63	50	1/4"	10
VRS 80	12.56	38	3/8"	23	22	80	64	15	9	83	70	1/4"	10
VRS 100	19.62	44	3/8"	29	22	100	79	15	13	103	80	1/4"	10
VRS 125	30.66	47.5	3/8"	32.5	22	125	100	15	16.5	128	105	1/4"	10

bellows elliptic cups VES



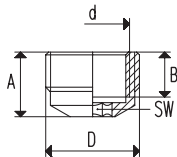
Art.	Force Kg.	A	B	C	ch	D ø	E	F	G	H	K	I ø	L	M	N	O
VES 30 60	4.01	60	30	21	17	1/4"	14	7	50	35	20	1/8"	10	33	63	44.5
VES 40 80	7.14	80	40	23	17	1/4"	14	9	70	37	30	1/8"	10	43	83	64
VES 50 100	11.15	100	50	29	22	3/8"	15	13	80	44	30	1/4"	10	53	103	79
VES 70 140	21.86	140	70	33	22	3/8"	15	16.5	110	48	40	1/4"	10	73	143	109

MF reduction for cups VRP



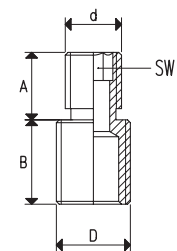
Art.	A	B	D ø	d ø	SW
00 08 215	14	10	3/8"	1/4"	6

MF reduction for cups VRS-VEP-VES



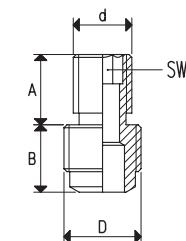
Art.	A	B	D ø	d ø	SW
00 08 216	11.5	8	3/8"	1/4"	6

MM reduction for cups VRP



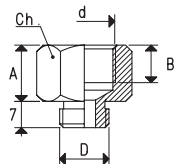
Art.	A	B	D ø	d ø	SW
00 08 217	10	15	1/4"	1/4"	6
00 08 218	12	15	1/4"	M10 x 1.5	6
00 08 219	12	15	1/4"	M14 x 1.5	6
00 08 220	10	14	3/8"	1/4"	6
00 08 221	12	14	3/8"	M10 x 1.5	6
00 08 222	12	14	3/8"	M14 x 1.5	6

MM reduction for cups VRS-VEP-VES



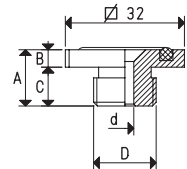
Art.	A	B	D ø	d ø	SW
00 08 223	10	11.5	1/4"	1/4"	6
00 08 224	12	13	1/4"	M10 x 1.5	6
00 08 225	12	13	1/4"	M14 x 1.5	6
00 08 226	11	10.5	3/8"	1/4"	6
00 08 227	13	10.5	3/8"	M10 x 1.5	6
00 08 228	13	10.5	3/8"	M14 x 1.5	6

MF reduction for cups VRP-VRS-VEP-VES



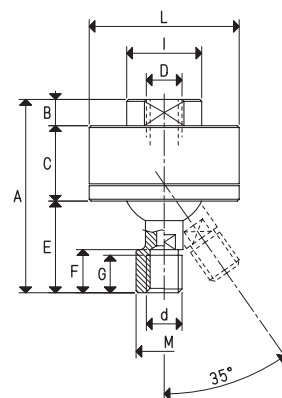
Art.	A	B	D ø	d ø	Ch
00 08 208	15	9	1/4"	3/8"	22

quick release adapter for cups VRP-VRS-VEP-VES



Art.	A	B	C	D ø	d ø
AQ 32 1/4	13	5	8	1/4"	5
AQ 32 3/8	13	5	8	3/8"	5

articulated joint



Art.	A	B	C	D ø	d ø	E	F	G	I	L	M
GSV 1/8"	51.5	7	20	1/8"	1/8"	24.5	11.5	10	20	40	--
GSV 1/4"	60.5	7	25	1/4"	1/4"	28.5	14.5	12	25	45	--
GSV 3/8"	69.5	10	25	3/8"	3/8"	34.5	14.0	12	30	50	--
GSVF 1/8"	51.5	7	20	1/8"	1/8"	24.5	11.5	10	20	40	15
GSVF 1/4"	60.5	7	25	1/4"	1/4"	28.5	14.5	12	25	45	20
GSVF 3/8"	69.5	10	25	3/8"	3/8"	34.5	17.0	12	30	50	21

[accessories for MaxiGrip Cups]

These standard accessories offer the user many different mounting options for the MAXIGRIP CUPS.

Zinc plated threaded adaptors enable the user to change the cup mounting thread from female to male or from BSPP to metric thread forms. The square quick release adaptor which is manufactured in anodised aluminium is used extensively in the automotive field on end effector systems. The integral O ring seal offers a perfect vacuum seal. The articulated joint, manufactured in anodised aluminium, permits a 360° axial rotation with a maximum 35° linear offset. Once set, the assembly is locked into position allowing a free air flow through the joint with a perfect vacuum seal.