

CATALOG

Einsatz Operation	Material Material	NBR .01	Silikon .02	NR .03	CR .04	Polyurethan .05	EPDM .06	FKM .07	HNBR .09	SBR .10	Vinyl .V
Allzweckeinsatz <i>All-purpose</i>		***	**	*	**	*	-	-	**	-	**
Arbeitstemperatur in ° C <i>Working temperature</i> in ° C		-40 +90	-70 +200	-40 +80	-40 +90	-25 +80	-40 +130	-20 +200	-40 +160	-40 +80	-20 +80
Shorehärte (A) <i>Shore hardness (A)</i>		50-60°	30-60°	30-60°	50-60°	50-75°	50°	60°	55°	50°	50-60°
Ozonbeständigkeit <i>Ozone resistance</i>		**	****	-	****	****	****	****	**	-	*
Verschleiß <i>Wear-resistance</i>		**	**	**	****	****	*	**	**	**	****
Öl-Fett-Benzin <i>Oil-Grease-Petrol</i>		**	**	-	**	***	*	***	***	-	*
Rapsöl (biologische Öle) <i>Rapeseed-oil</i> (biological oils)		-	**	-	-	-	-	**	***	-	-



VAKUUMSAUGER VACUUM CUPS



BEGRÜSSUNG

Wir freuen uns, Ihnen unseren neuen Vakuumsaugerkatalog präsentieren zu dürfen, den wir fortlaufend aktualisieren.

Die Fortschritte können Sie auf unserer Website www.morali-gmbh.de sehen.

Unser Team steht Ihnen zu jeder Zeit zur Verfügung.

Mehmet Morali
Geschäftsführer

WELCOMING

We are pleased to present you our new vacuum cup catalog which we continuously update.

Concerning the progress of our items please have a look on our web site www.morali-gmbh.de

Our team is at your disposal at every time.

Mehmet Morali
General Manager

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Wir sind Hersteller von Vakuumsaugern und liefern seit langen Jahren in folgende Industriebranchen:

- ▶ Automatisierung / Robotik
- ▶ Automobil
- ▶ CD / DVD
- ▶ Druck- und Papier
- ▶ Elektronik
- ▶ Glas
- ▶ Holz / Möbel
- ▶ Keramik / Porzellan
- ▶ Kosmetik
- ▶ Kunststoff
- ▶ Lebensmittel / Getränke
- ▶ Medizin
- ▶ Molkereien
- ▶ Solar
- ▶ Sondermaschinenbau
- ▶ Steinbearbeitung
- ▶ Verpackung

We are vacuum cups manufacturer and deliver to long years in the following industries:

- ▶ Automation / robotics
- ▶ Automotive
- ▶ CD / DVD
- ▶ Ceramics / porcelain
- ▶ Cosmetics
- ▶ Dairy
- ▶ Electronics
- ▶ Foodstuffs / beverages
- ▶ Glass
- ▶ Medicine
- ▶ Packaging
- ▶ Plastics
- ▶ Printing and paper
- ▶ Solar
- ▶ Special-purpose machinery
- ▶ Stone working
- ▶ Wood / Furniture

Lagerempfehlung für Vakuumsauger:

Die Einwirkung von Ozon, Licht (besonders UV), Wärme, Sauerstoff und mechanische Einwirkungen können die Lebensdauer der Elastomere verkürzen.

Lagern Sie daher die Vakuumsauger kühl (0°C bis +15°C, max. jedoch 25° C), trocken, dunkel und spannungsfrei.

Store recommendation for vacuum cups:

The exposure of ozone, light (especially UV), heat, oxygen and mechanical impacts can shorten the life time of the elastomers.

Please store therefore the vacuum cups cool (0°C to +15°C, max. however 25°C), dry, dark and in a stress-free manner.



Mini Vac

Zum Handling kleinster und ultraleichter Produkte, z. B. in der Feinmechanik

Mini Vac

For the handling of smallest and ultralight products, for example in the fine mechanics



Solar Vac

Solarzellen (Dicke < 0,2 mm), Siliziumscheiben, Halbleiter, Dünnglas, Folien, usw.

Solar Vac

Solar cells (thickness < 0,2 mm), silicon wafer, semiconductor, thinnest glass, foils, etc.



Pralinen

Eine große Auswahl von speziellen Vakuumsaugern für Confiserieprodukte, auch mit strukturierten Oberflächen oder Verzierungen

Pralines

An abundance of special vacuum cups for confectionery products, also with structured surfaces or ornamentations



Foliensauber

Neuentwicklung: 1,5 Faltenbalgsauger, Ø 18 mm und Ø 30 mm

- Für biegeschlaffe Produkte, Folien, Papiersäcke usw.
- Hohe Flexibilität und eine ausgezeichnete Haltekraft

Foil cups

New development: 1.5 folds vacuum bellows cups, Ø 18 mm and Ø 30 mm

- For the handling of limp products, foils, paper bags etc.
- High flexibility and an excellent retention force

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Fragebogen Vakumsauger

Dieser Fragebogen wurde für eine schnelle und unkomplizierte Angebotsabgabe erstellt.
Bitte kreuzen Sie die zutreffenden Antworten an.

Firma:

Ansprechpartner:

Straße:

Tel.:

Fax:

PLZ, Ort, Land:

E-Mail:

1. Welcher Branche ist Ihr Unternehmen zuzuordnen?

- Kunststoff Verpackung Holz/Möbel Kosmetik Lebensmittel/Getränke
 CD/DVD Glas Marmor/Beton Automobil Sonstige
 Elektronik Pharma Druck u. Papier Keramik _____

2. Was wollen Sie transportieren?

- Kunststoff Holz Glas Papier/Karton Blech Sonstige _____

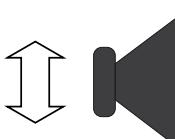
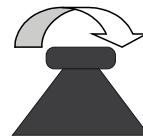
3. Wie ist die Werkstückoberfläche?

- glatt rau strukturiert wellig ölig gezundert nass trocken porös

4. Welche Form haben die Werkstücke? ➡ quadratisch rechteckig rund Sonstige _____

5. Abmessungen/Gewicht Länge (mm) _____ Breite (mm) _____ Dicke/Ø _____ Gewicht (g/kg) _____

6. Wie ist die Heberichtung?

- waagerecht heben  senkrecht heben  schwenken 

7. Wie ist die Temperatur? ➡ Kurzzeitig (°C) _____ DauerTemperatur (°C) _____ Von - _____ °C bis + _____ °C

8. Weitere technische Daten ➡ Taktzeit _____ min Ansaugzeit _____ sec Beschleunigung _____

9. In welcher Höhe über NN (Meereshöhe) werden die Vakumsauger eingesetzt? _____ Meter

10. Wie erzeugen Sie Ihr Vakuum?

- Elektrisch: Vakuumpumpe (trocken/Öl)
Pneumatisch: Einstufenejektor Vakuumgebläse
Leistungsdaten: _____ Mehrkammerejektor

11. Maschinenfabrikat an denen Vakumsauger eingesetzt werden?

Maschinenhersteller _____ Land _____

12. Bisheriges Saugerfabrikat/-hersteller?

Art. Nr. _____ Hersteller _____

13. Bedarf an Vakumsaugern pro Jahr und Liefertermin/-zeitraum?

Ca. _____ Stück Termin/Zeitraum _____

14. Saugversuche und Musterteile

Wir sind gerne bereit kostenlose Saugversuche durchzuführen. Senden Sie die zu hebenden Teile an uns. Sie können aber jederzeit gerne Sauger für Eigenversuche anfordern. Wir helfen Ihnen bei der richtigen Wahl der Vakumsauger.

15. Kontakte ➡ Rückruf erwünscht Besuch erwünscht, Zeitraum _____

Please be kind enough to answer the following questions carefully,
so we can recommend the best solution.

Company:

Contact Person:

Address:

Phone:

Fax:

Postal Code/City/Country:

E-Mail:

1. Please specify the branch of industry in which the vacuum cups are used?

- | | | | | |
|--------------------------------------|---|---|--|--|
| <input type="checkbox"/> Plastics | <input type="checkbox"/> Packaging | <input type="checkbox"/> Wood-working/Furniture | <input type="checkbox"/> Cosmetics | <input type="checkbox"/> Food/Beverage |
| <input type="checkbox"/> CD/DVD | <input type="checkbox"/> Glass/ Solar | <input type="checkbox"/> Marble/Stone | <input type="checkbox"/> Automotive | <input type="checkbox"/> Other Branch |
| <input type="checkbox"/> Electronics | <input type="checkbox"/> Medical/Pharmaceutical | <input type="checkbox"/> Graphic Arts | <input type="checkbox"/> Ceramic/Porcelain | <input type="checkbox"/> _____ |

2. What kind of parts you are handling?

- Plastics Wood Glass Paper/Cardboard Metal Sheet Other _____

3. How is the workpiece surface ?

- smooth rough textured rippled oily scaled wet dry porous

4. Which geometrical shape the workpieces have? square rectangular round other _____

5. Dimensions/Weight Length (mm) _____ Width (mm) _____ Thickness/Ø (mm) _____ Weight (g/kg) _____

6. How is the motion direction?

- | | | |
|--|--|---------------------------------|
| <input type="checkbox"/> to be lifted horizontally | <input type="checkbox"/> to be lifted vertically | <input type="checkbox"/> swivel |
|--|--|---------------------------------|

7. What is the operating temperature? Briefly (°C) _____ Continuously (°C) _____ from - _____ °C to + _____ °C

8. Further technical details Cycle time _____ min Suck in time _____ sec Acceleration _____

9. At which altitude over sea level do you apply your vacuum cups? _____ meter

10. How do you create your vacuum?

- | | | |
|-------------------|---|--|
| Electrically: | <input type="checkbox"/> Vacuum Pump (dry/oily) | <input type="checkbox"/> Side Channel Blower |
| Pneumatically: | <input type="checkbox"/> Single Vacuum Ejector | <input type="checkbox"/> Multiple Chambers Ejector |
| Performance data: | _____ | |

11. Machinery implemented on by the vacuum cups?

Manufacturer _____ Country _____

12. Previous applied models of vacuum cups?

Art. No. _____ Manufacturer _____

13. Estimated demand annually and desired delivery date?

Approx. _____ Pieces Appointed Time _____

14. Suction trials and sample parts

We are gladly perform handling tests without charge on samples of the objects to be carried.
Alternatively feel free to request sample cups for your own tests.

15. Contact Callback desired Visit desired, Specified period _____

**Tabelle zur Bestimmung der Saugerhebekraft in Abhängigkeit
von Vakuumhöhe und Saugerdurchmesser**
**Table for calculating the lifting force of vacuum cups depending
on vacuum degree and cup diameter**

Sauger Cup Ø-mm	Vakuum Vacuum										
	10%	20%	30%	40%	50%	60%	70%	75%	80%	90%	100%
5	0,020	0,039	0,059	0,079	0,098	0,118	0,137	0,147	0,157	0,177	0,196
10	0,079	0,157	0,236	0,314	0,393	0,471	0,550	0,589	0,628	0,707	0,785
15	0,177	0,353	0,530	0,707	0,884	1,060	1,237	1,325	1,414	1,590	1,767
20	0,314	0,628	0,942	1,257	1,571	1,885	2,199	2,356	2,513	2,827	3,142
25	0,491	0,982	1,473	1,963	2,454	2,945	3,436	3,682	3,927	4,418	4,909
30	0,707	1,414	2,121	2,827	3,534	4,241	4,948	5,301	5,655	6,362	7,069
35	0,962	1,924	2,886	3,848	4,811	5,773	6,735	7,216	7,697	8,659	9,621
40	1,257	2,513	3,770	5,027	6,283	7,540	8,796	9,425	10,053	11,310	12,566
45	1,590	3,181	4,771	6,362	7,952	9,543	11,133	11,928	12,723	14,314	15,904
50	1,963	3,927	5,890	7,854	9,817	11,781	13,744	14,726	15,708	17,671	19,635
55	2,376	4,752	7,127	9,503	11,879	14,255	16,631	17,819	19,007	21,382	23,758
60	2,827	5,655	8,482	11,310	14,137	16,965	19,792	21,206	22,619	25,447	28,274
65	3,318	6,637	9,955	13,273	16,592	19,910	23,228	24,887	26,546	29,865	33,183
70	3,848	7,697	11,545	15,394	19,242	23,091	26,939	28,863	30,788	34,636	38,485
75	4,418	8,836	13,254	17,671	22,089	26,507	30,925	33,134	35,343	39,761	44,179
80	5,027	10,053	15,080	20,106	25,133	30,159	35,186	37,699	40,212	45,239	50,265
85	5,675	11,349	17,024	22,698	28,373	34,047	39,722	42,559	45,396	51,071	56,745
90	6,362	12,723	19,085	25,447	31,809	38,170	44,532	47,713	50,894	57,256	63,617
95	7,088	14,176	21,265	28,353	35,441	42,529	49,618	53,162	56,706	63,794	70,882
100	7,854	15,708	23,562	31,416	39,270	47,124	54,978	58,905	62,832	70,686	78,540
105	8,659	17,318	25,977	34,636	43,295	51,954	60,613	64,943	69,272	77,931	86,590
110	9,503	19,007	28,510	38,013	47,517	57,020	66,523	71,275	76,027	85,530	95,033
115	10,387	20,774	31,161	41,548	51,934	62,321	72,708	77,902	83,095	93,482	103,869
120	11,310	22,619	33,929	45,239	56,549	67,858	79,168	84,823	90,478	101,788	113,097
125	12,272	24,544	36,816	49,087	61,359	73,631	85,903	92,039	98,175	110,447	122,718
130	13,273	26,546	39,820	53,093	66,366	79,639	92,913	99,549	106,186	119,459	132,732
135	14,314	28,628	42,942	57,256	71,569	85,883	100,197	107,354	114,511	128,825	143,139
140	15,394	30,788	46,181	61,575	76,969	92,363	107,757	115,454	123,150	138,544	153,938
145	16,513	33,026	49,539	66,052	82,565	99,078	115,591	123,847	132,104	148,617	165,130
150	17,671	35,343	53,014	70,686	88,357	106,029	123,700	132,536	141,372	159,043	176,715
155	18,869	37,738	56,608	75,477	94,346	113,215	132,084	141,519	150,954	169,823	188,692
160	20,106	40,212	60,319	80,425	100,531	120,637	140,743	150,796	160,850	180,956	201,062
165	21,382	42,765	64,147	85,530	106,912	128,295	149,677	160,368	171,060	192,442	213,825
170	22,698	45,396	68,094	90,792	113,490	136,188	158,886	170,235	181,584	204,282	226,980
175	24,053	48,106	72,158	96,211	120,264	144,317	168,370	180,396	192,423	216,475	240,528
180	25,447	50,894	76,341	101,788	127,235	152,681	178,128	190,852	203,575	229,022	254,469
185	26,880	53,761	80,641	107,521	134,401	161,282	188,162	201,602	215,042	241,922	268,803
190	28,353	56,706	85,059	113,411	141,764	170,117	198,470	212,647	226,823	255,176	283,529
195	29,865	59,730	89,594	119,459	149,324	179,189	209,053	223,986	238,918	268,783	298,648
200	31,416	62,832	94,248	125,664	157,080	188,496	219,911	235,619	251,327	282,743	314,159
210	34,636	69,272	103,908	138,544	173,180	207,816	242,452	259,770	277,088	311,725	346,361
220	38,013	76,027	114,040	152,053	190,066	228,080	266,093	285,100	304,106	342,119	380,133
230	41,548	83,095	124,643	166,190	207,738	249,285	290,833	311,607	332,381	373,928	415,476
240	45,239	90,478	135,717	180,956	226,195	271,434	316,673	339,292	361,911	407,150	452,389
250	49,087	98,175	147,262	196,350	245,437	294,524	343,612	368,155	392,699	441,786	490,874
260	53,093	106,186	159,279	212,372	265,465	318,557	371,650	398,197	424,743	477,836	530,929
270	57,256	114,511	171,767	229,022	286,278	343,533	400,789	429,416	458,044	515,300	572,555
280	61,575	123,150	184,726	246,301	307,876	369,451	431,027	461,814	492,602	554,177	615,752
290	66,052	132,104	198,156	264,208	330,260	396,312	462,364	495,390	528,416	594,468	660,520
300	70,686	141,372	212,058	282,743	353,429	424,115	494,801	530,144	565,487	636,173	706,858

Hinweise:

- Alle **Werte in kg** mit einfacher Sicherheit.
- Mindestsicherheit ist 2fach,
also kg dividiert durch 2 ergibt die Tragkraft pro Sauger.
- Angabe in Newton (N), ist der genannte Wert x10.

Notes:

- All **values in kg** without safety factor.
- Minimum level of safety is twice.
This means that kg divided by factor 2 results the lifting capacity per vacuum cup.
- Values in Newton (N): kg multiplied by 10.

- Schnellübersicht mit Richtwerten
- Quick overview with benchmarks

Material Material Einsatz Operation	NBR .01	Silikon .02	NR .03	CR .04	Polyurethan .05	EPDM .06	FKM .07	HNBR .09	SBR .10	Vinyl .V
Allzweckeinsatz <i>All-purpose</i>	***	**	*	**	*	-	-	**	-	**
Arbeitstemperatur in ° C <i>Working temperatur in ° C</i>	-40 +90	-70 +200	-40 +80	-40 +90	-25 +80	-40 +130	-20 +200	-40 +160	-40 +80	-20 +80
Shorehärte (A) <i>Shore hardness (A)</i>	50-60°	30-60°	30-60°	50-60°	50-75°	50°	60°	55°	50°	50-60°
Ozonbeständigkeit <i>Ozone resistance</i>	**	***	-	***	***	***	***	**	-	*
Verschleiß <i>Wear-resistance</i>	**	**	**	***	***	*	**	**	**	***
Öl-Fett-Benzin <i>Oil-Grease-Petrol</i>	**	**	-	**	***	*	***	***	-	*
Rapsöl (biologische Öle) <i>Rapeseed-oil (biological oils)</i>	-	**	-	-	-	-	**	***	-	-
Säuren <i>Acids</i>	-	*	-	-	-	-	***	**	-	*
Unebene Flächen und verformbare Produkte <i>Uneven areas and malleable products</i>	*	***	***	*	*	*	-	*	**	***
Heiße Produkte <i>Hot products</i>	-	***	-	-	-	**	***	**	-	-
Heiße Produkte (silikonfrei) <i>Hot products (silicone free)</i>	-	-	-	-	-	**	***	***	-	-
Lebensmittel <i>Food</i>	-	***	**	-	-	**	-	-	-	*
Hochabdruckarm <i>High anti-marking</i>	**	*	**	*	**	**	***	**	**	**

Hinweise/Notes:

Hauptmaterialien sind Nitrilkautschuk, Naturgummi und Silikon
Main materials are Nitrile rubber, natural rubber and Silicone

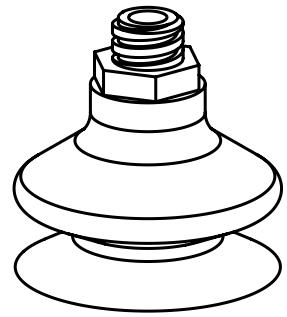
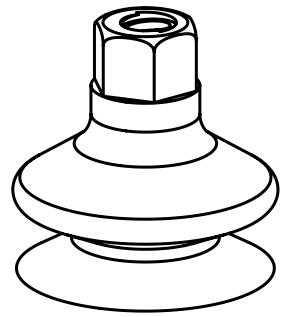
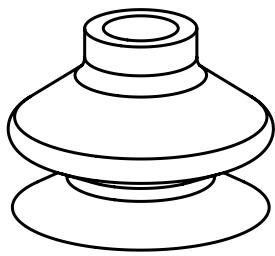
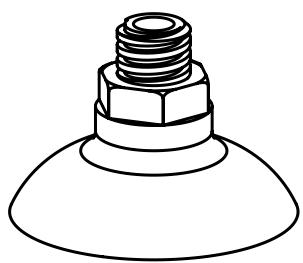
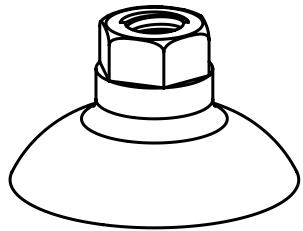
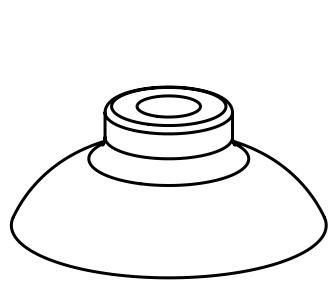
Je nach Einsatzfall unterliegen Vakuumsauger mechanischen und chemischen Beanspruchungen. Deshalb dienen die obigen Angaben nur als Richtwerte.
Depending on case of use the vacuum cups are subject to mechanical and chemical uses. Therefore the above details only serve as reference values.

Sehr gut - very good = ***
 Gut - good = **
 Genügend - sufficient = *
 Ungeeignet - unusable = -

→ Für Fragen steht die Technik gerne zur Verfügung.
Our technical department stands for any questions at your disposal.

Material

NBR	= Nitrile rubber
Silikon	= Silicone rubber
NR	= Natural rubber
CR	= Chloroprene
Polyurethan	= Polyurethane
EPDM	= Ethylene-propylene-diene-rubber
FKM	= Fluor-caoutchouc
HNBR	= Hydrogenated nitrile rubber
SBR	= Styrol-Butadien-rubber
Vinyl	= Polyvinyl-chloride



I - VAC Reihe / VAC line

I

Aussengewinde Male thread (AG)	Innengewinde Female thread (IG)	Ersatzsauger Spare Cup	Material (*)	Ø d	h	h1	h2	A	A1	Ø d1	Ø d2	E	E1	G	G1	SW	Z
12.020.002..	11.020.002..	10.020.093..	NBR,S,NR,PU	20	24	24	12	12	12	8	5	G1/8"	G1/8"	8	8	14	3.5
12.034.003..	11.034.003..	10.034.094..	NBR,S,NR,PU	34	29	29	14	15	15	14	7	G1/4"	G1/4"	10	12.5	17	2.5
14.053.003..	13.053.012..	---	NBR,S,NR,PU	53	33	33	18	15	15	--	--	G1/4"	G1/4"	11	11	17	3.0
14.075.004..	13.075.013..	---	NBR,S,NR,PU	75	43	43	25	18	18	--	--	G1/4"	G1/4"	12	12	22	4.0
14.096.005..	13.096.014..	---	NBR,S,NR,PU	96	62	62	45	17	17	--	--	G1/4"	G1/4"	12	12	22	8.0

*Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

*Weitere Materialien auf Anfrage
Further materials on request

01=NBR, 02=S (Silikon/silicone), 03=NR (Naturgummi/natural rubber), 05=PU (Polyurethan/polyurethane), 06=EPDM, 07=FKM(Viton®)

II

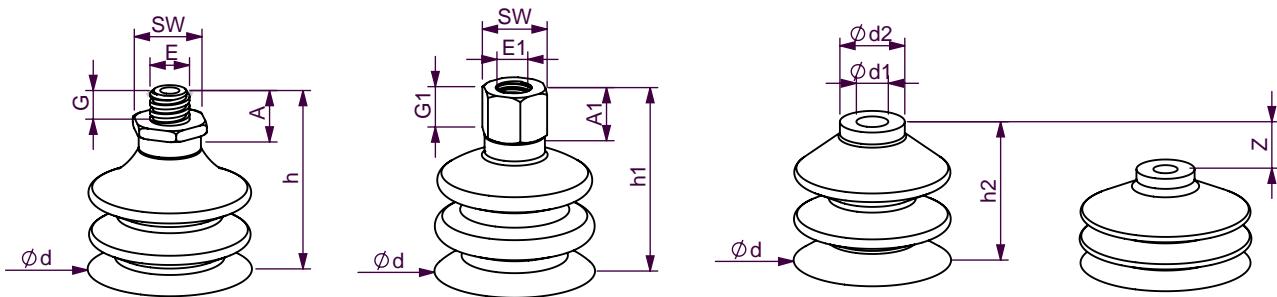
Aussengewinde Male thread (AG)	Innengewinde Female thread (IG)	Ersatzsauger Spare Cup	Material (*)	Ø d	h	h1	h2	A	A1	Ø d1	Ø d2	E	E1	G	G1	SW	Z
212.014.001..	211.014.009..	210.014.064..	NBR,S,PU,NR, FKM	14	31.5	30	18	12	13.5	12	5	G1/8"	G1/8"	8	7.5	14	8
212.025.002..	211.025.010..	210.025.065..	NBR,S,PU,NR, EPDM	25	37	37	22	15	15	18.5	8	G1/4"	G1/4"	12	12	17	5
212.040.003..	211.040.011..	210.040.066..	NBR,S,PU,NR, EPDM	40	47	47	32	15	15	18.5	8	G1/4"	G1/4"	12	12	17	13
212.060.004..	211.060.012..	210.060.023..	NBR,S,NR, PU	60	55	55	40	15	15	18	8	G1/4"	G1/4"	12	12	17	15
214.085.002..	213.085.009..	---	NBR,S,NR	85	75	75	58	17	17	-	-	G1/4"	G1/4"	10	12	22	13

*Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

*Weitere Materialien auf Anfrage
Further materials on request

01=NBR, 02=S (Silikon/silicone), 03=NR (Naturgummi/natural rubber), 05=PU (Polyurethan/polyurethane), 06=EPDM, 07=FKM(Viton®)

III



Aussengewinde Male thread (AG)	Innengewinde Female thread (IG)	Ersatzsauger Spare Cup	Material (*)	Ød	h	h1	h2	A	A1	Ød1	Ød2	E	E1	G	G1	SW	Z
222.010.001..	221.010.003..	220.010.021..	NBR,S,PU,NR, EPDM	10	28.1	27.7	15.7	12	12.4	10.2	5.3	G1/8"	G1/8"	8	8.2	14	3
222.014.002..	221.014.004..	220.014.023..	NBR,S,PU,NR, EPDM	14	36.5	35	23	12	13.5	12	5	G1/8"	G1/8"	9	7.5	14	10
222.018.003..	221.018.005..	220.018.001..	NBR,S,PU,NR, EPDM	18	34.4	34	22	12	12.4	12	5	G1/8"	G1/8"	8	8.2	14	8
222.030.004..	221.030.006..	220.030.006..	NBR,S,PU,NR, EPDM,FKM	30	50	48	33	15	15	19	8	G1/4"	G1/4"	12	12	17	13
222.040.005..	221.040.007..	220.040.010..	NBR,S,PU,NR, EPDM	40	60	60	45	15	15	19	8	G1/4"	G1/4"	12	12	17	20
222.060.006..	221.060.008..	220.060.026..	NBR,S,NR, EPDM	60	70	70	55	15	15	19	8	G1/4"	G1/4"	12	12	17	24
224.085.001..	221.085.007..	---	NBR,S,NR	85	100	100	78	17	17	-	-	G1/4"	G1/4"	10	12	22	38

*Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

*Weitere Materialien auf Anfrage
Further materials on request

01=NBR, 02=S (Silikon/*silicone*), 03=NR (Naturgummi/*natural rubber*), 05=PU (Polyurethan/*Polyurethane*), 06=EPDM, 07=FKM(Viton®)

I

Aussengewinde Male thread (AG)	Material (*)	ϕd	$\phi d1$	E	h	A	G	SW	Z
Art. 14.008.041._	NBR,PU,S	8	2	M5	19.2	11.5	4	8	1.0
Art. 14.010.042._	NBR,PU,S	10	2	M5	19.2	11.5	4	8	1.0
Art. 14.015.043._ ^①	NBR,PU,S	15	3	G1/8"	20	12	4.7	13	1.2
Art. 14.030.044._	NBR,PU,S	30	3	G1/8"	21.5	12	4.7	13	2.0
Art. 14.040.045._	NBR,PU,S	40	3	G1/4"	32.5	19	5.8	17	3.0
Art. 14.055.046._	NBR,PU,S	55	4	G1/4"	35.5	19	5.8	17	3.5
Art. 14.075.047._	NBR,PU,S	75	4	G1/4"	29	18	5.8	17	3.5
Art. 14.100.048._	NBR,PU,S	100	4	G1/4"	29	18	5.8	17	3.5
Art. 14.125.049._	NBR,PU,S	125	7	G3/8"	36	20	6	19	6.0

*Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

01 = NBR 02 = Silikon
Nitrile rubber Silicone

*Weitere Materialien auf Anfrage
Further materials on request

05 = Polyurethan
Polyurethane

^① Artikel ab Lager lieferbar
Andere Artikel auf Anfrage

*Products available from stock
Other products on request*

II

Aussengewinde Male thread (AG)	Material (*)	ϕd	$\phi d1$	E	h	A	G	SW	Z
Art. 214.008.011._	NBR,S,PU	8	0.5	M5	22.5	11.5	3.5	8	3.0
Art. 214.015.012._ ^①	NBR,S,PU	15	3	G1/8"	25.5	12	4.7	13	5.5
Art. 214.030.013._ ^①	NBR,S,PU	30	3	G1/8"	34	12	4.7	13	13.0
Art. 214.040.014._ ^①	NBR,S,PU	40	3	G1/4"	43	16	5.8	17	14.0
Art. 214.055.015._	NBR,S,PU	55	4	G1/4"	52	16	5.8	17	20.0
Art. 214.075.016._	NBR,S,PU	75	4	G1/4"	43.5	16	5.8	17	14.5
Art. 214.100.017._	NBR,S,PU	100	4	G1/4"	43.5	16	5.8	17	14.5
Art. 214.125.018._	NBR,S,PU	125	7	G3/8"	60	20	6	19	26.0

*Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

01 = NBR 02 = Silikon
Nitrile rubber Silicone

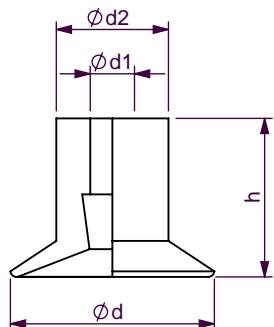
*Weitere Materialien auf Anfrage
Further materials on request

05 = Polyurethan
Polyurethane

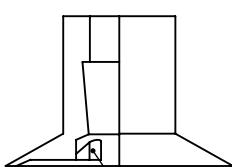
^① Artikel ab Lager lieferbar
Andere Artikel auf Anfrage

*Products available from stock
Other products on request*

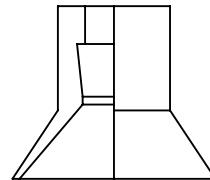
VAC-1



VAC-2

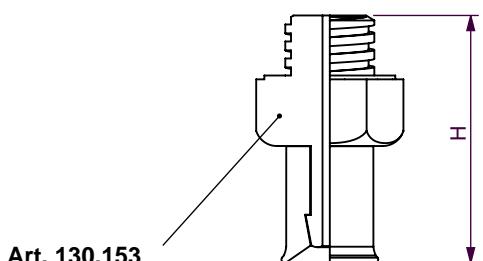


VAC-3

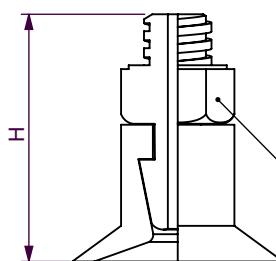


mit Abstützrienen
with cleats

VAC	Flachsauger <i>Flat vacuum cups</i>				Ø d	Ø d1	Ø d2	h	H	Komplett mit Anschlussteil <i>Complete with fitting</i>
VAC-1	Art. 10.005.034._	130.153	0.5 mm	0.1 g	5.0	2.0	4.5	6.0	13.5	Art. 12.005.040._
VAC-1	Art. 10.007.035._	130.153	1.0 mm	1.1 g	7.0	2.0	5.0	6.5	14.0	Art. 12.007.041._
VAC-1	Art. 10.009.020._	130.153	1.5 mm	1.0 g	9.0	2.0	5.0	6.5	14.5	Art. 12.009.042._
VAC-1	Art. 10.011.036._	130.134	1.0 mm	0.3 g	11.0	3.8	9.0	10.5	19.5	Art. 12.011.043._
VAC-1	Art. 10.016.037._	130.134	2.0 mm	0.8 g	16.5	3.8	9.0	11.5	20.5	Art. 12.016.044._
VAC-2	Art. 10.016.039._	130.134	0.5 mm	1.0 g	16.5	3.8	8.0	11.5	20.5	Art. 12.016.046._
VAC-3	Art. 10.016.038._	130.134	2.5 mm	1.0 g	16.5	3.8	9.0	16.5	25.5	Art. 12.016.045._



Art. 130.153



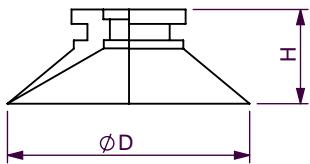
Art. 130.134

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

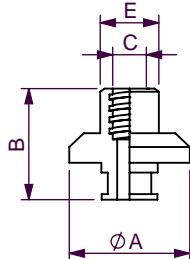
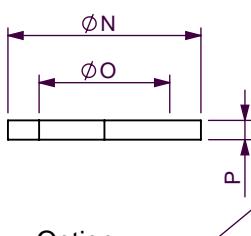
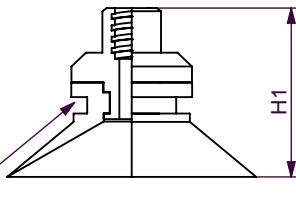
Material NBR, S (Silikon/silicone)

Weitere Materialien auf Anfrage
Further materials on request

VAC



Fitting

Zubehör
AccessoriesKomplett
Complete

Option:
Haltering
Retaining ring

VAC Art.			Fitting Art.	Haltering <i>Retaining ring</i> Art.	Komplett <i>Complete</i> Art.
10.022.120._	2.5 mm	1.0 g	130.250	HR.011	11.022.020._
10.032.121._	4.5 mm	1.0 g	130.250	HR.011	11.032.021._
10.042.122._	5.0 mm	5.0 g	130.251	HR.012	11.042.022._
10.052.123._	6.5 mm	11.0 g	130.252	HR.013	11.052.023._

Abmessungen in mm
Dimensions in mm

Vakuumsauger <i>Vacuum cups</i>				Fitting				Haltering <i>Retaining ring</i>		
VAC Art.	ØD	H	H1	ØA	B	C	E	ØN	ØO	P
10.022.120._	22	8	17.5	16	14.5	M5	G1/8"	14	9.7	1.8
10.032.121._	32	10	19	16	14.5	M5	G1/8"	14	9.7	1.8
10.042.122._	42	13	21	21	15	G1/8"	Ø15	20	13	2.5
10.052.123._	53	17.5	27	28	18	G1/8"	Ø15	26	19	3.2

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material 01=NBR, 02=S (Silikon/*silicone*)

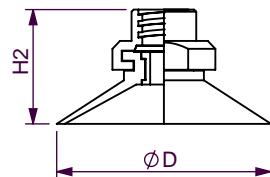
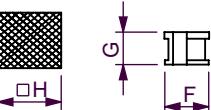
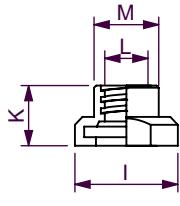
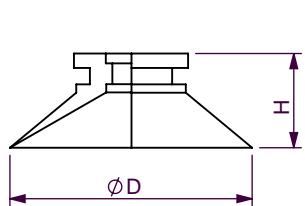
Weitere Materialien auf Anfrage
Further materials on request

II

VAC

Fitting

Komplett
Complete



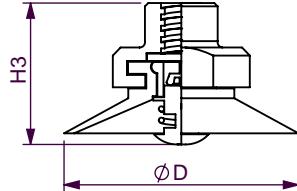
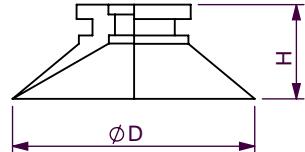
VAC Art.			Fitting Art.	Komplett Complete Art.
10.022.120._	2.5 mm	1.0 g	130.135	11.022.001._
10.032.121._	4.5 mm	1.0 g	130.135	11.032.012._
10.042.122._	5.0 mm	5.0 g	130.136	11.042.013._
10.052.123._	6.5 mm	11.0 g	130.137	11.052.014._

VAC

Fitting

Tastventil
Plunger valve

Komplett
Complete



VAC Art.	Fitting Art.	Tastventil Plunger valve Art.	Komplett Complete Art.
10.022.120._	130.135	----	----
10.032.121._	130.135	130.276	11.032.012..TV
10.042.122._	130.136	130.277	11.042.013..TV
10.052.123._	130.137	130.278	11.052.014..TV

Vakuumsauger Vacuum cups					Fitting						
VAC Art.	Ø D	H	H2	H3	Ø F	G	□ H	Ø J	K	L	M
10.022.120._	22	8	16	---	7	5	11	18	11	M5	G1/8"
10.032.121._	32	10	17.3	20	7	5	11	18	11	M5	G1/8"
10.042.122._	42	13	21	23	10	7	15	23	13	G1/8"	---
10.052.123._	53	17.5	26	28	14	9	21	32	15	G1/8"	---

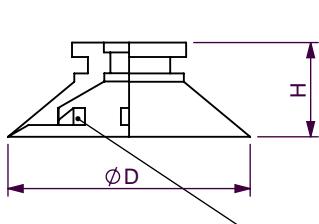
Abmessungen in mm / Dimensions in mm

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material 01=NBR, 02=S (Silikon/silicone)

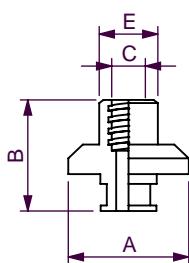
Weitere Materialien auf Anfrage
Further materials on request

VAC

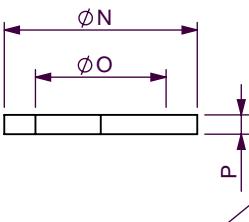


mit Abstützripen
with cleats

Fitting

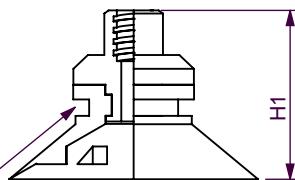


Zubehör Accessories



Option:
Haltering
Retaining ring

Komplett Complete



VAC Art.			Fitting Art.	Haltering Retaining ring Art.	Komplett Complete Art.
10.022.005._	0.5 mm	1.0 g	130.250	HR.011	11.022.015._
10.028.098._	1.0 mm	2.0 g	130.250	HR.011	11.028.016._
10.032.022._	1.5 mm	2.0 g	130.250	HR.011	11.032.017._
10.042.099._	2.0 mm	6.0 g	130.251	HR.012	11.042.018._
10.053.100._	3.0 mm	12.0 g	130.252	HR.013	11.053.019._

Abmessungen in mm
Dimensions in mm

VAC Art.	Vakumsauger Vacuum cups				Fitting				Haltering Retaining ring		
	ØD	H	H1	ØA	B	C	E	ØN	ØO	P	
10.022.005._	22	8	17.5	16	14.5	M5	G1/8"	14	9.7	1.8	
10.028.098._	28	9	19	16	14.5	M5	G1/8"	14	9.7	1.8	
10.032.022._	32	10	19	16	14.5	M5	G1/8"	14	9.7	1.8	
10.042.099._	42	13	21	21	15	G1/8"	Ø15	20	13	2.5	
10.053.100._	53	17.5	27	28	18	G1/8"	Ø15	26	19	3.2	

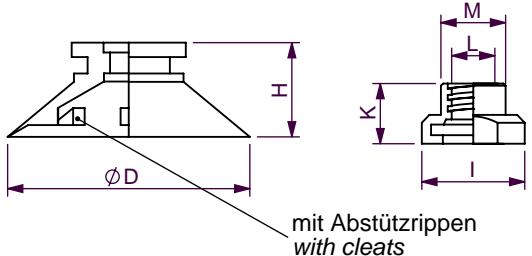
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material 01=NBR, 02=S (Silikon/silicone)

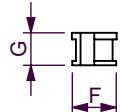
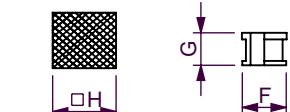
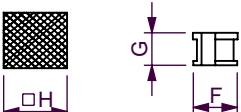
Weitere Materialien auf Anfrage
Further materials on request

II

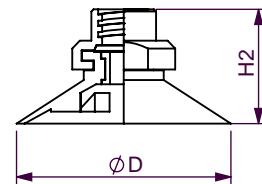
VAC



Fitting

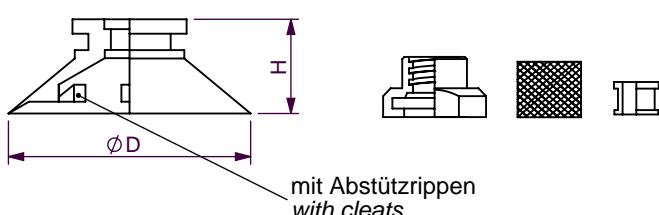


Komplett
Complete



VAC			Fitting	Komplett Complete
Art.			Art.	Art.
10.022.005._	0.5 mm	1.0 g	130.135	11.022.004._
10.028.098._	1.0 mm	2.0 g	130.135	11.028.005._
10.032.022._	1.5 mm	2.0 g	130.135	11.032.006._
10.042.099._	2.0 mm	6.0 g	130.136	11.042.007._
10.053.100._	3.0 mm	12.0 g	130.137	11.053.008._

VAC



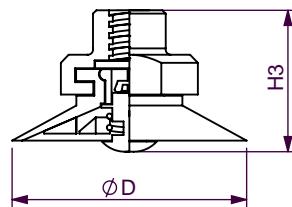
Fitting



Tastventil
Plunger valve



Komplett
Complete



VAC	Fitting	Tastventil Plunger valve	Komplett Complete
Art.	Art.	Art.	Art.
10.022.005._	130.135	---	---
10.028.098._	130.135	---	---
10.032.022._	130.135	130.276	11.032.006._TV
10.042.099._	130.136	130.277	11.042.007._TV
10.053.100._	130.137	130.278	11.053.008._TV

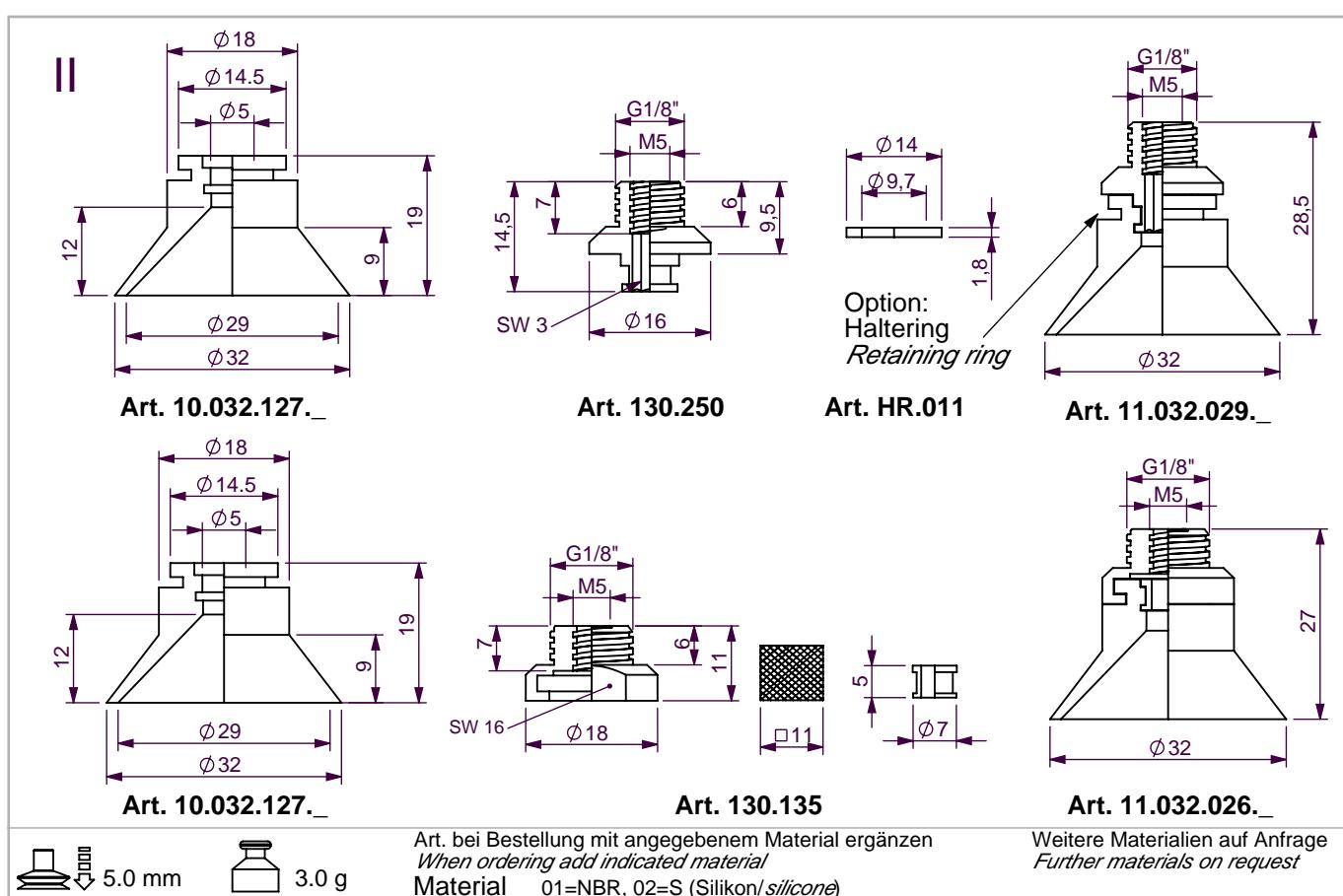
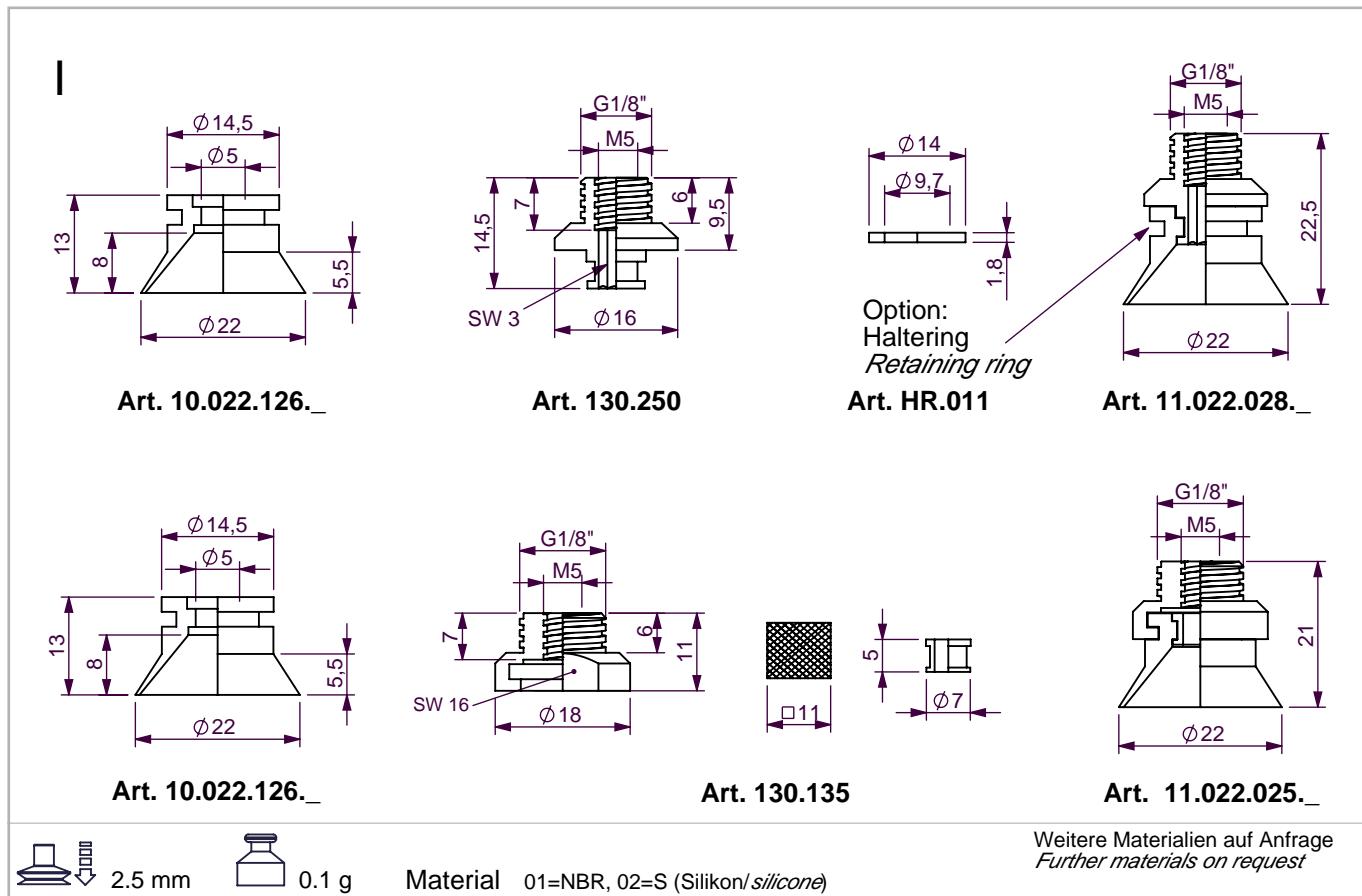
Vakuumsauger Vacuum cups					Fitting						
VAC	Ø D	H	H2	H3	Ø F	G	□ H	Ø J	K	L	M
10.022.005._	22	8	16	---	7	5	11	18	11	M5	G1/8"
10.028.098._	28	9	17	---	7	5	11	18	11	M5	G1/8"
10.032.022._	32	10	18	20	7	5	11	18	11	M5	G1/8"
10.042.099._	42	13	21	23	10	7	15	23	13	G1/8"	---
10.053.100._	53	17.5	26	28	14	9	21	32	15	G1/8"	---

Abmessungen in mm / Dimensions in mm

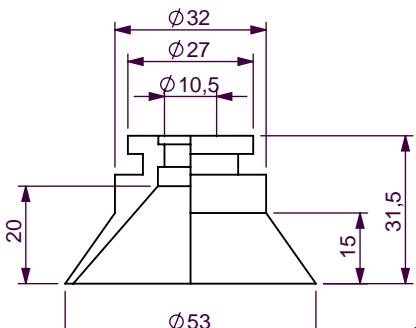
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material 01=NBR, 02=S (Silikon/silicone)

Weitere Materialien auf Anfrage
Further materials on request

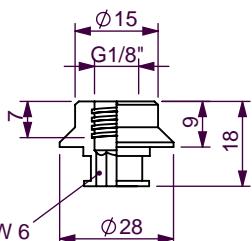


VAC



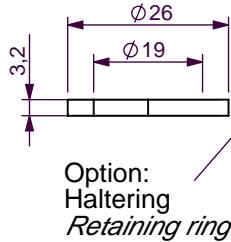
[Art. 10.053.128.](#)

Fitting

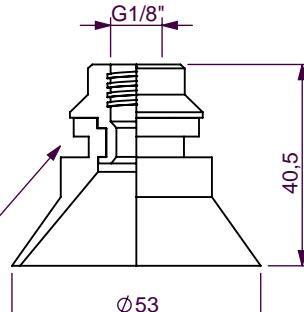


[Art. 130.252](#)

Zubehör
Accessories

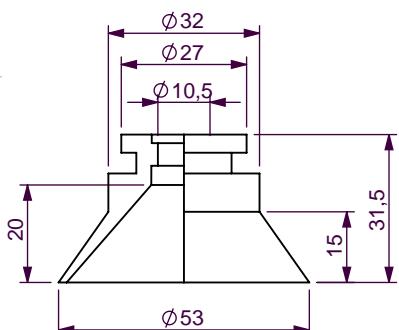


Komplett
Complete



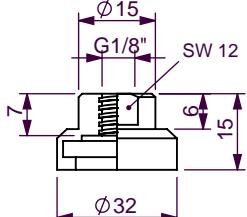
[Art. 11.053.030.](#)

VAC



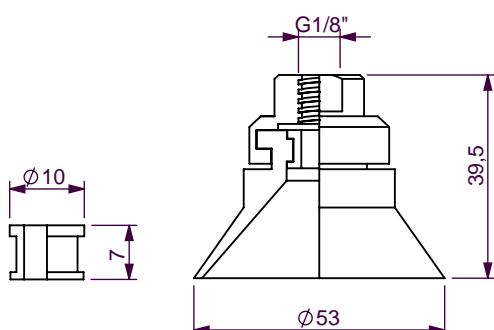
[Art. 10.053.128.](#)

Fitting

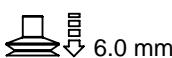


[Art. 130.137](#)

Komplett
Complete



[Art. 11.053.027.](#)

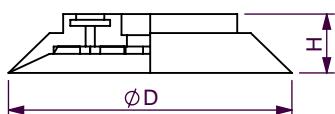


Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

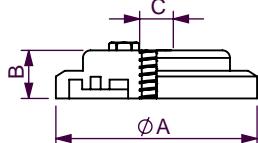
Material 01=NBR, 02=S (Silikon/silicone) 05=PU (Polyurethan/polyurethane)

Weitere Materialien auf Anfrage
Further materials on request

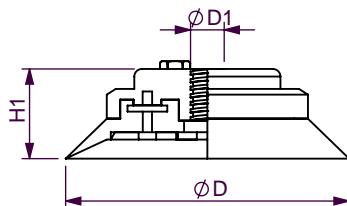
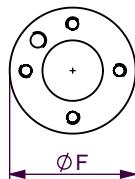
VAC



Fitting



Komplett
Complete



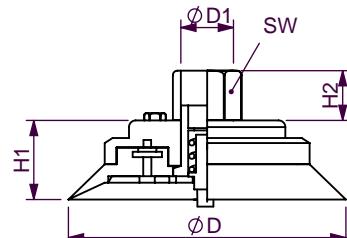
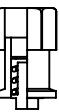
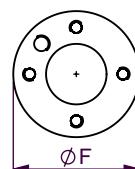
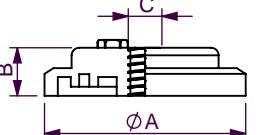
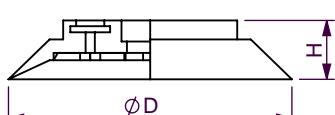
VAC Art.			Fitting Art.	Komplett Complete Art.
10.075.117._	2.0 mm	24 g	130.138	11.075.009._
10.110.118._	5.0 mm	74 g	130.139	11.110.010._
10.150.119._	5.0 mm	199 g	130.140	11.150.011._

VAC

Fitting

Tastventil
Plunger valve

Komplett
Complete



VAC Art.	Fitting Art.	Tastventil Plunger valve Art.	Komplett Complete Art.
10.075.117._	130.138A	135.206	10.075.009._TV
10.110.118._	130.139A	135.206	10.110.010._TV
10.150.119._	130.140A	135.207	10.150.011._TV

Vakuumsauger / Vacuum cups

Fitting

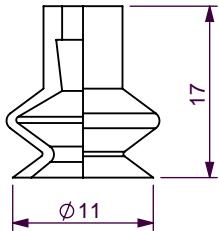
VAC Art.	Ø D	Ø D1	H	H1	H2	Ø A	B	C	Ø E	Ø F	SW
10.075.117._	75	G1/8"	14	20	17	60	12	G1/8"	15	50	14
10.110.118._	110	G1/2"	19	26	32	85	13	G1/2"	30	74	30
10.150.119._	150	G1/2"	25	32	32	120	14	G1/2"	30	100	30

Abmessungen in mm / Dimensions in mm

Material 01=NBR, 02=S (Silikon/silicone)

Weitere Materialien auf Anfrage
Further materials on request

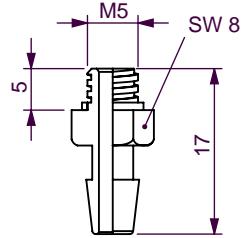
I



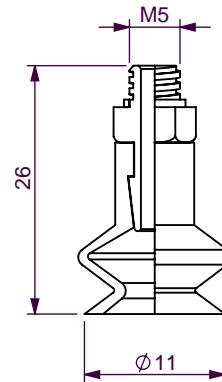
Art. 210.011.029.



Material NBR, S, PUR



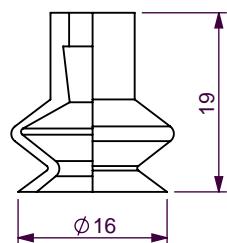
Art. 130.134



Art. 212.011.011.

Weitere Materialien auf Anfrage
Further materials on request

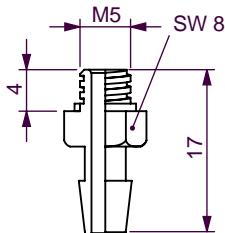
II



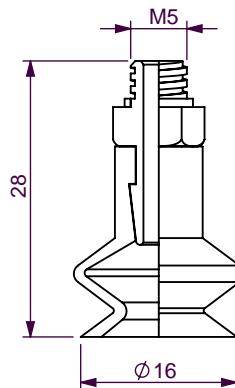
Art. 210.016.030.



Material S, PUR, CR



Art. 130.134



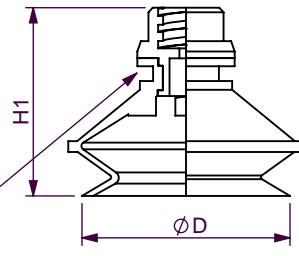
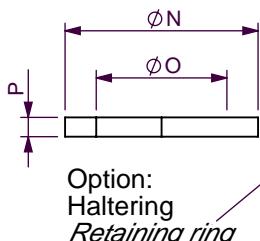
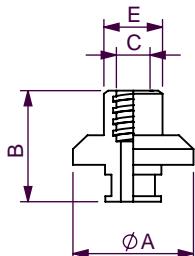
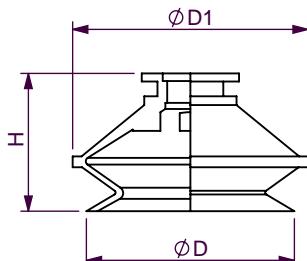
Art. 212.016.012.

Weitere Materialien auf Anfrage
Further materials on request

|

VAC

Fitting

Zubehör
AccessoriesKomplett
Complete

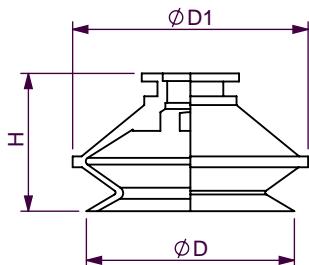
VAC Art.			Fitting Art.	Haltering Retaining ring Art.	Komplett Complete Art.
210.020.031._	9.0 mm	2.5 g	130.250	HR.011	211.020.010._
210.033.019._	9.0 mm	6.5 g	130.250	HR.011	211.033.011._
210.042.020._	9.0 mm	10.0 g	130.251	HR.012	211.042.012._
210.052.032._	12.0 mm	22.0 g	130.252	HR.013	211.052.013._

Vakumsauger Vacuum cups					Fitting				Haltering Retaining ring		
VAC Art.	Ø D	Ø D1	H	H1	Ø A	B	C	Ø E	Ø N	Ø O	P
210.020.031._	21.5	24	20	28.5	16	14.5	M5	G1/8"	14	9.7	1.8
210.033.019._	33	36	26	33.5	16	14.5	M5	G1/8"	14	9.7	1.8
210.042.020._	42	46	28	36.0	21	15	G1/8"	Ø 15	20	13	2.5
210.052.032._	52	58	35	44.0	28	18	G1/8"	Ø 15	26	19	3.2

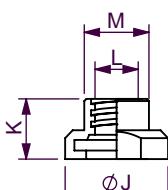
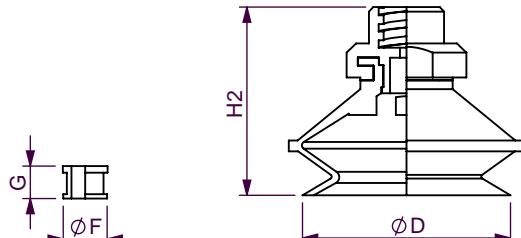
Abmessungen in mm / Dimensions in mm

II

VAC



Fitting

Komplett
Complete

VAC Art.			Fitting Art.	Komplett Complete Art.
210.020.031._	9.0 mm	2.5 g	130.135	211.020.002._
210.033.019._	9.0 mm	6.5 g	130.135	211.033.003._
210.042.020._	9.0 mm	10.0 g	130.136	211.042.004._
210.052.032._	12.0 mm	22.0 g	130.137	211.052.005._

Vakumsauger Vacuum cups					Fitting						
VAC Art.	Ø D	Ø D1	H	H2	Ø F	G	□ H	Ø J	K	L	M
210.020.031._	21.5	24	20	26.5	7	5	11	18	11	M5	G1/8"
210.033.019._	33	36	26	34.5	7	5	11	18	11	M5	G1/8"
210.042.020._	42	46	28	35.0	10	7	15	23	13	G1/8"	---
210.052.032._	52	58	35	43.0	14	9	21	32	15	G1/8"	---

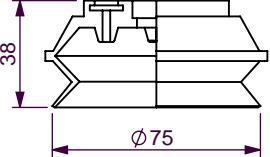
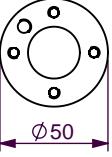
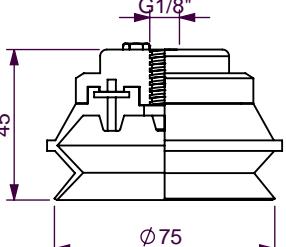
Abmessungen in mm / Dimensions in mm

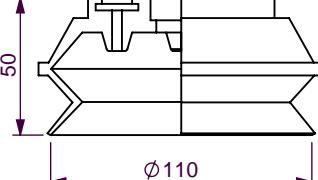
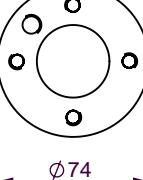
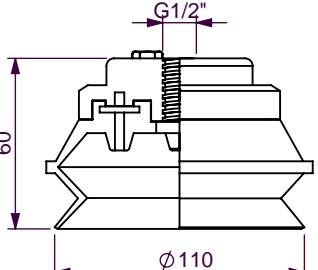
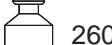
Art. bei Bestellung mit angegebenem Material ergänzen

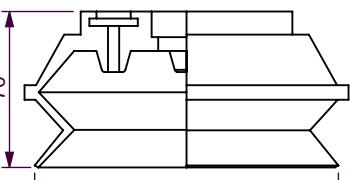
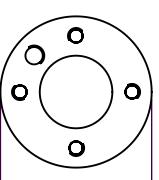
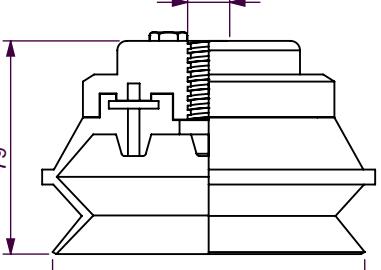
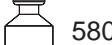
When ordering add indicated material

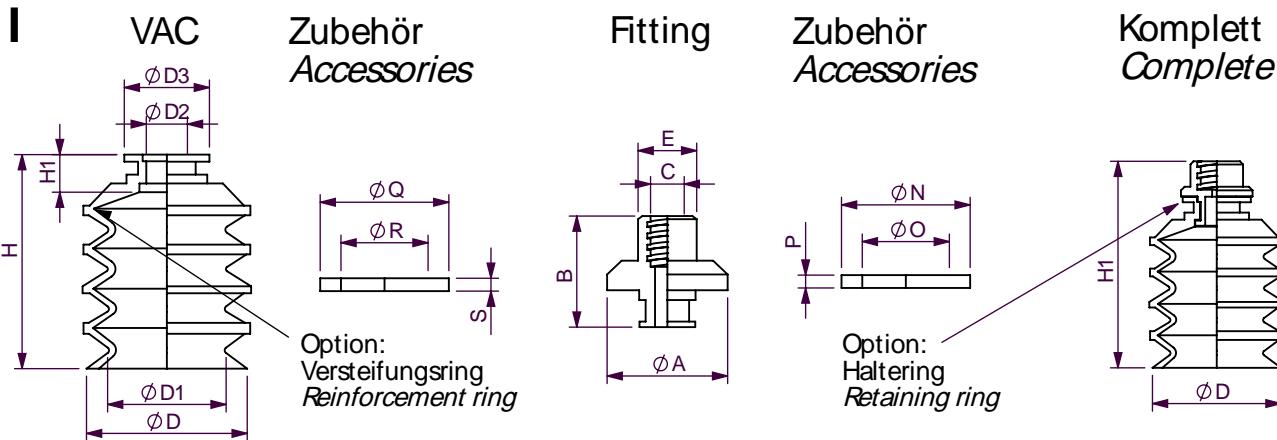
Material 01=NBR, 02=S (Silikon/silicone), 04= CR (Chloropren/chloroprene), 05=PU (Polyurethan/polyurethane)

Weitere Materialien auf Anfrage
Further materials on request

I	VAC	Fitting	Komplett <i>Complete</i>
	 Art. 210.075.033._	 Art. 130.138	 Art. 211.075.006._
	 22,0 mm  45 g Material NBR, S		 113 g

II	VAC	Fitting	Komplett <i>Complete</i>
	 Art. 210.110.034._	 Art. 130.139	 Art. 211.110.007._
	 35,0 mm  110 g Material NBR, S		 260 g

III	VAC	Fitting	Komplett <i>Complete</i>
	 Art. 210.150.035._	 Art. 130.140	 Art. 211.150.008._
	 40,0 mm  293 g Material NBR, S, PUR		 580 g



VAC Art.			Versteifungsring Reinforcement ring	Fitting Art.	Halterung Retaining ring	Komplett Complete Art.
240.020.002.	16 mm	2.0 g	VR.000	130.250	HR.011	241.020.005.
240.030.003.	21 mm	6.0 g	VR.001	130.251	HR.012	241.030.006.
240.040.004.	20 mm	15.0 g	VR.002	130.251	HR.012	241.040.007.
240.050.005.	25 mm	25.0 g	VR.003	130.252	HR.013	241.050.008.

Vakuumsauger / Vacuum cups							Fitting				
VAC Art.	Ø D	Ø D1	Ø D2	Ø D3	H	H1	H2	Ø A	B	C	E
240.020.002.	20	14	5.0	14.5	23	5	32	16	14.5	M5	G1/8"
240.030.003.	30	21	6.5	20	32	7	40	21	15	G1/8"	Ø15
240.040.004.	40	28	6.5	20	42	7	50	21	15	G1/8"	Ø15
240.050.005.	50	35	10.5	27	52	10	61	28	18	G1/8"	Ø15

Versteifungsring / Reinforcement ring				Halterung / Retaining ring			
Art.	Q	R	S	Art.	N	O	P
VR.000	17.5	13.5	1.0	HR.011	14	9.7	1.8
VR.001	26.5	22	1.1	HR.012	20	13	2.5
VR.002	35.5	30	1.2	HR.012	20	13	2.5
VR.003	45.5	36	1.5	HR.013	26	19	3.2

Abmessungen in mm / Dimensions in mm

Art. bei Bestellung mit angegebenem Material ergänzen

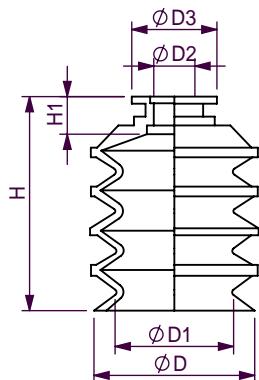
When ordering add indicated material

Material 02=S (Silikon/silicone), 04=CR (Chloropren/chloroprene)

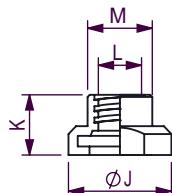
Weitere Materialien auf Anfrage
Further materials on request

II

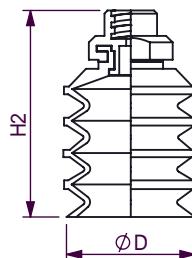
VAC



Fitting



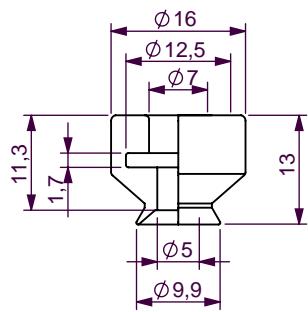
Komplett
Complete



VAC Art.			Fitting Art.	Komplett Complete Art.
240.020.002.	16 mm	2.0 g	130.135	241.020.001.
240.030.003.	21 mm	6.0 g	130.136	241.030.002.
240.040.004.	20 mm	15.0 g	130.136	241.040.003.
240.050.005.	25 mm	25.0 g	130.137	241.050.004.

Vakuumsauger / Vacuum cups								Fitting						
VAC Art.	Ø D	Ø D1	Ø D2	Ø D3	H	H1	H2	Ø F	G	□ H	Ø J	K	L	M
240.020.002.	20	14	5.0	14.5	23	5	30	7	5	11	18	11	M5	G1/8"
240.030.003.	30	21	6.5	20	32	7	40	10	7	15	23	13	M5	---
240.040.004.	40	28	6.5	20	42	7	50	10	7	15	23	13	G1/8"	---
240.050.005.	50	35	10.5	27	52	10	61	14	9	21	32	15	G1/8"	---

Abmessungen in mm / Dimensions in mm



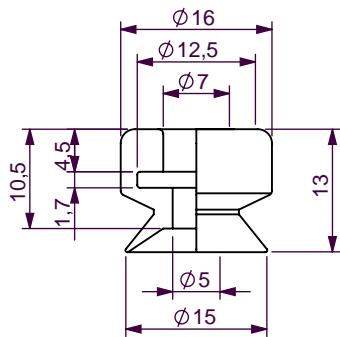
Art. 10.010.584.

S(tr)

1,7 g



1,5 mm



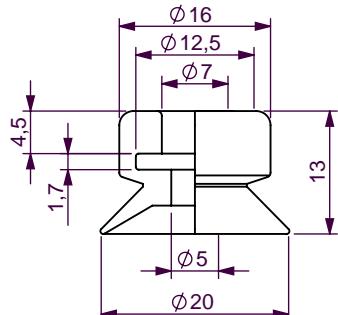
Art. 10.015.585.

S(tr)

1,9 g



3,5 mm



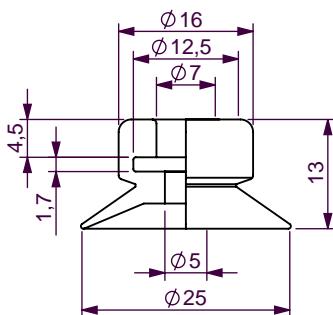
Art. 10.020.586.

S (tr)

2,0 g



3,5 mm



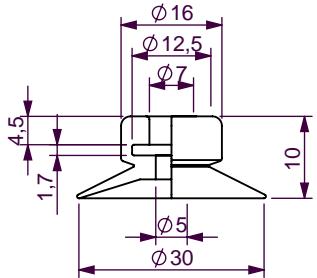
Art. 10.025.587.

NBR (sw)

2,2 g



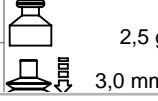
3,0 mm



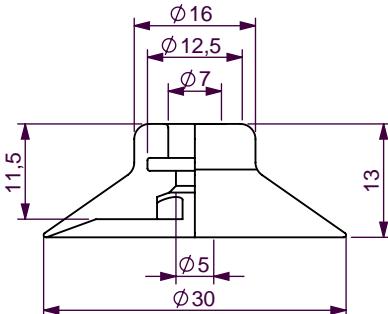
Art. 10.030.588.

NBR (sw), S (tr)

2,5 g



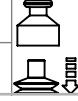
3,0 mm



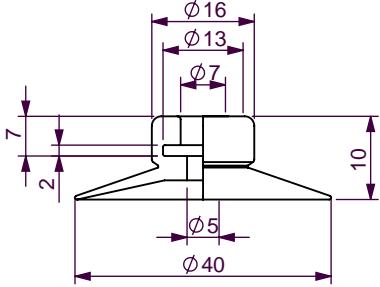
Art. 10.030.590.

NBR (sw), S (tr)

3,0 g



1,5 mm



Art. 10.040.589.

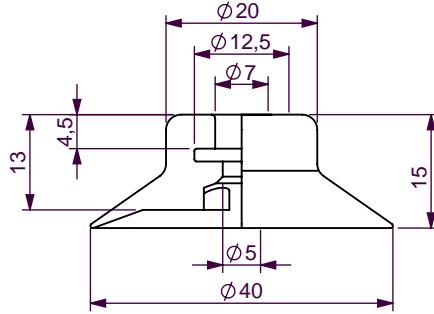
NBR (sw), S (tr)



5,5 g



3,0 mm



Art. 10.040.591.

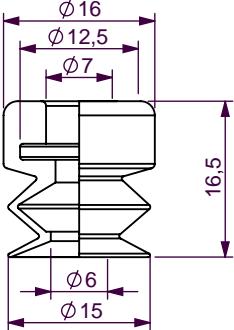
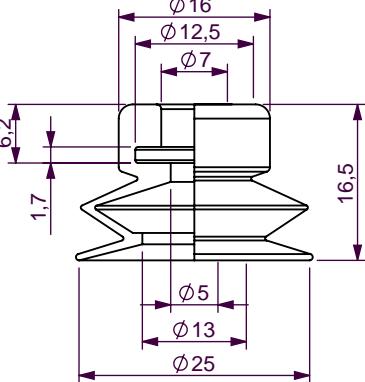
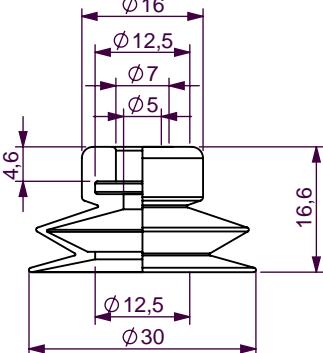
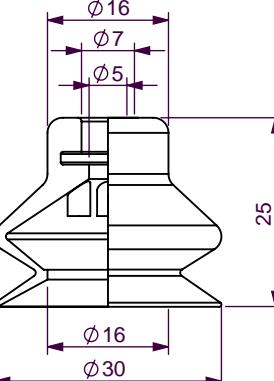
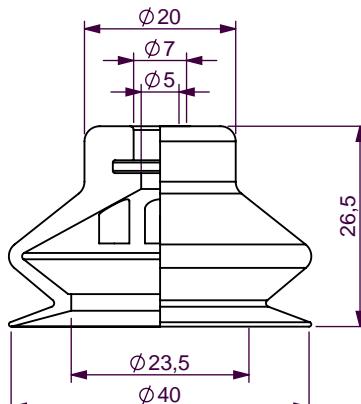
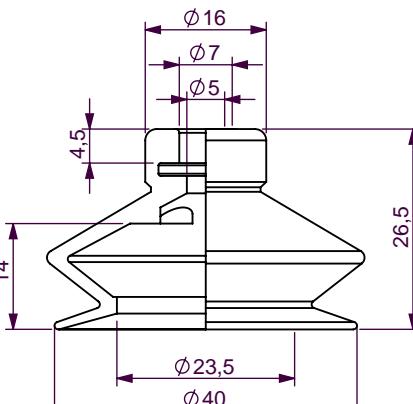
NBR (sw), S (tr)

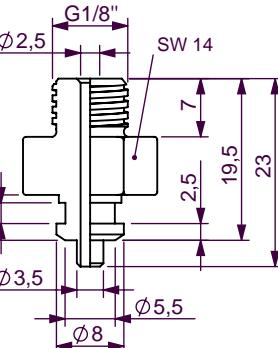
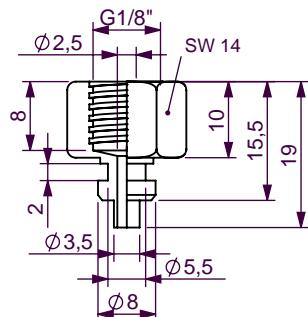
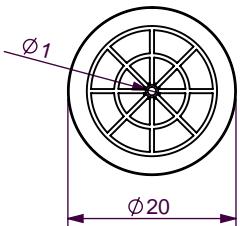


5,9 g

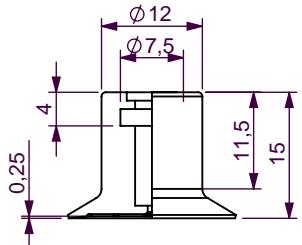


2,0 mm

 <p>Art . 210.015.143._</p> <p>NBR (sw), S (tr), S-AS (sw), PU (bl), FKM (gr)</p> <p>1,8 gr 6,5 mm</p>	 <p>Art . 210.025.144._</p> <p>S (tr)</p> <p>2,5 gr 5,5 mm</p>
 <p>Art . 210.030.145._</p> <p>S (tr), PU (bl)</p> <p>2,9 gr 5,5 mm</p>	 <p>Art . 210.030.146._</p> <p>S (tr)</p> <p>5,2 gr 10,0 mm</p>
 <p>Art . 210.040.147._</p> <p>S (tr)</p> <p>15,0 gr 9,0 mm</p>	 <p>Art . 210.040.148._</p> <p>S (tr)</p> <p>13,0 gr 12,0 mm</p>



Art. 130.086

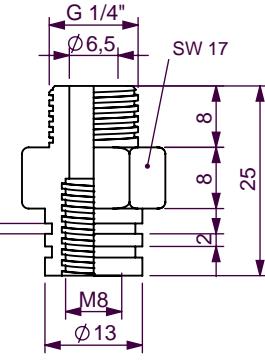
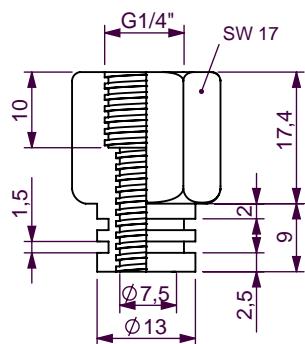
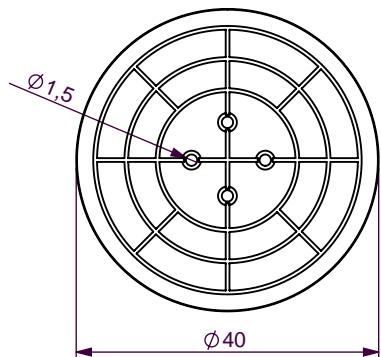


Art. 10.020.626._

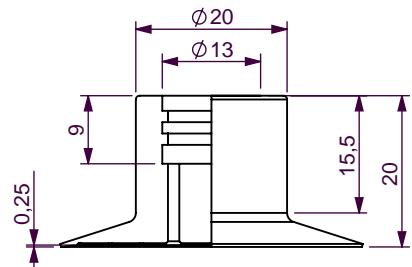
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material Naturgummi 40° shore / Natural rubber 40° shore

Weitere Materialien auf Anfrage
Further materials on request



Art. 130.098

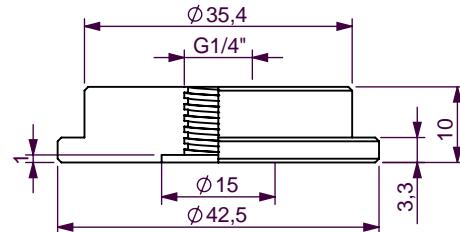
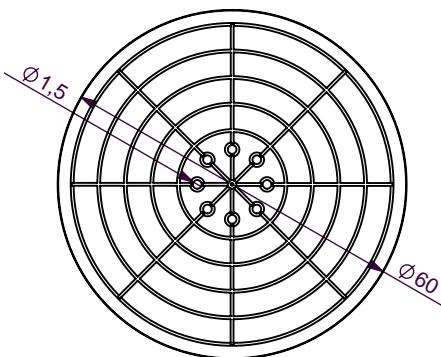


Art. 10.040.627._

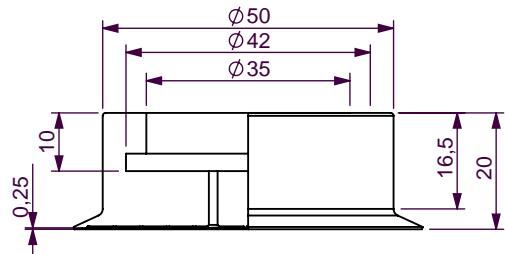
*Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material Naturgummi 40° shore / Natural rubber 40° shore

*Weitere Materialien auf Anfrage
Further materials on request



Art. 130.528

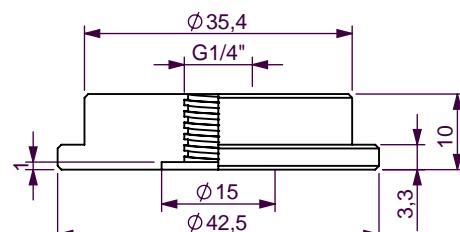
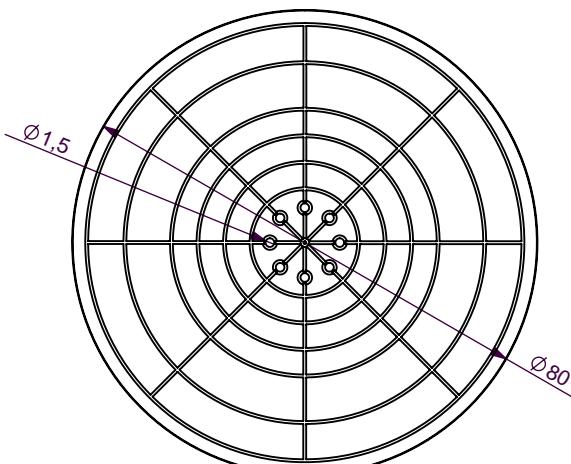


Art. 10.060.628._

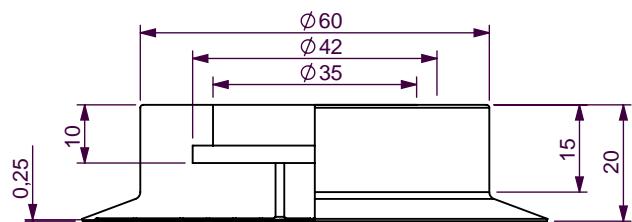
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Weitere Materialien auf Anfrage
Further materials on request

Material Naturgummi 40° shore / Natural rubber 40° shore



Art. 130.528

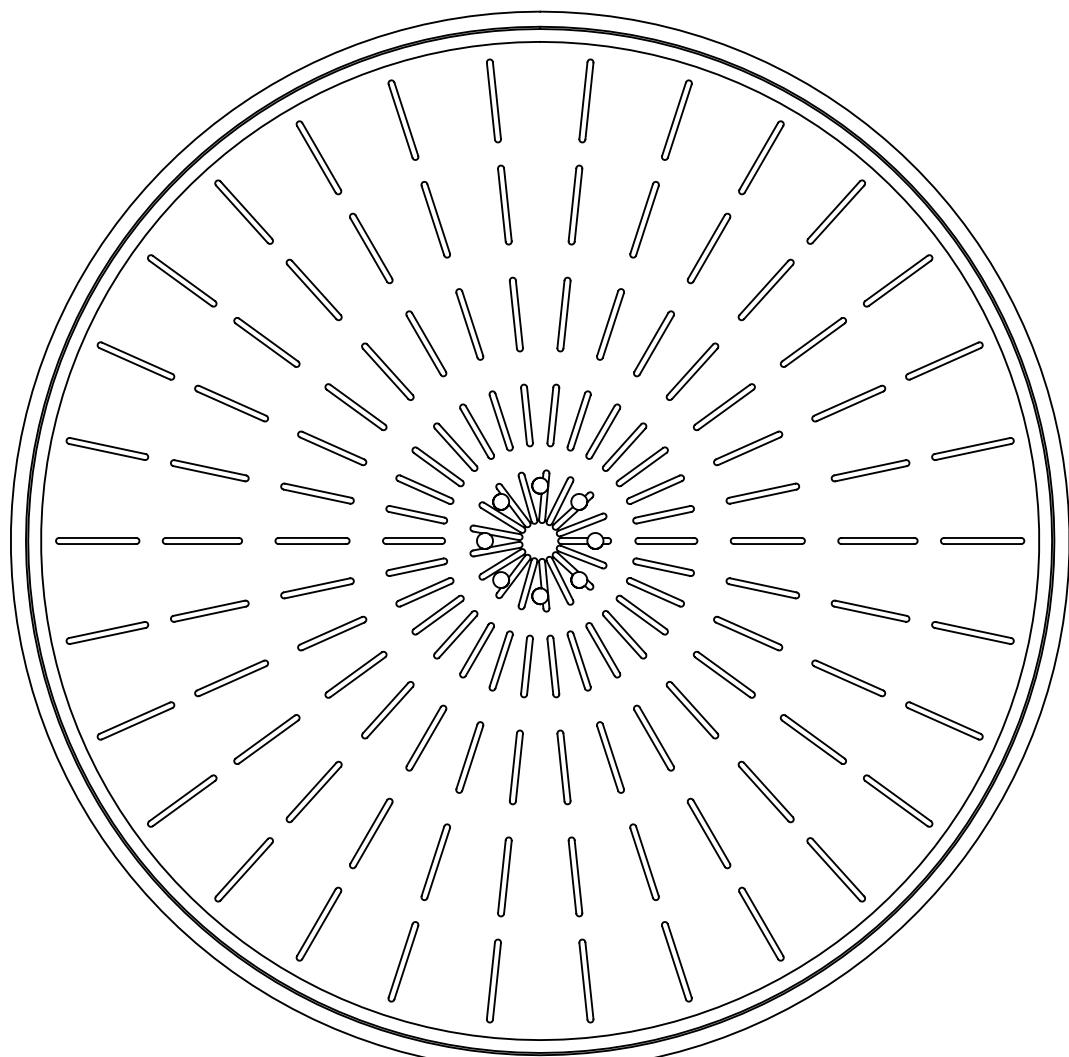


Art. 10.080.629._

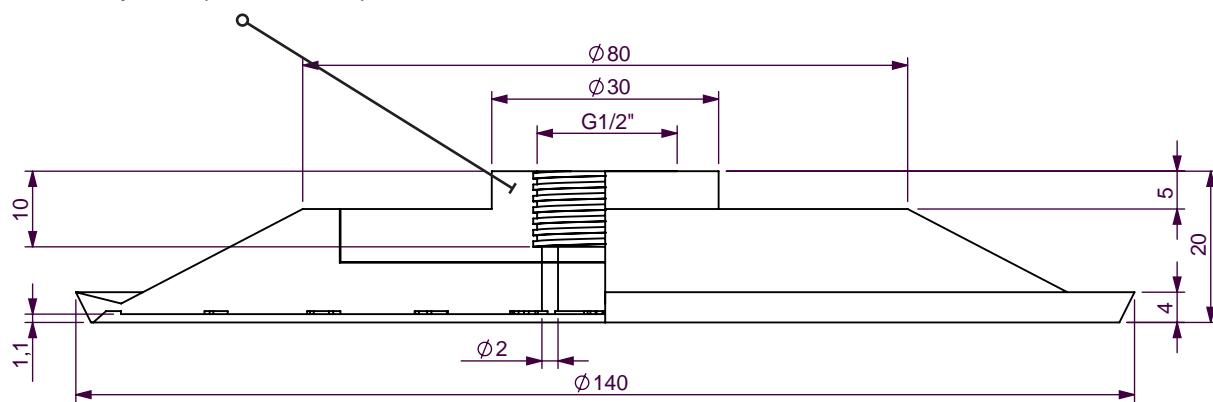
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Weitere Materialien auf Anfrage
Further materials on request

Material Naturgummi 40° shore / Natural rubber 40° shore



Aluplatte (vulkanisiert)
Aluminium plate (vulcanised)

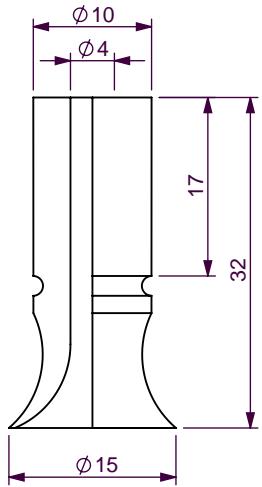


Art. 13.140.064._

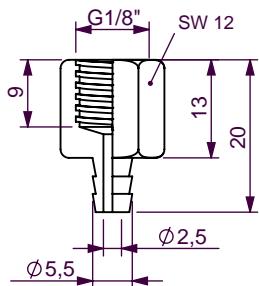
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Weitere Materialien auf Anfrage
Further materials on request

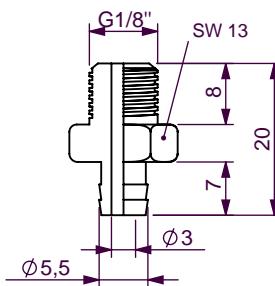
Material Naturgummi 40° shore / Natural rubber 40° shore



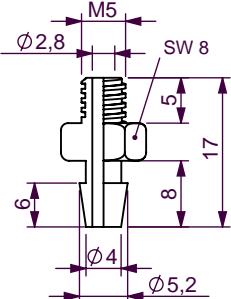
Art. 10.015.114._



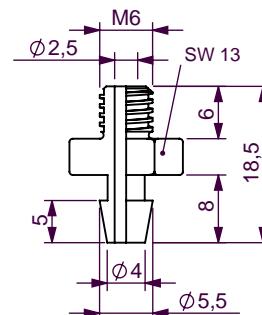
Art. 130.035



Art. 130.033



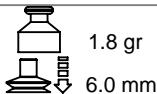
Art. 130.134



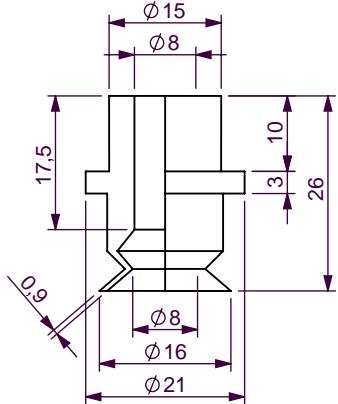
Art. 130.104

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

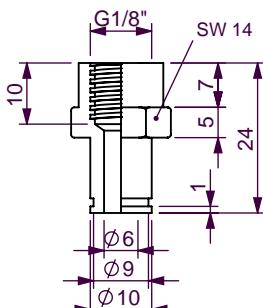
Material NR-Soft (br)



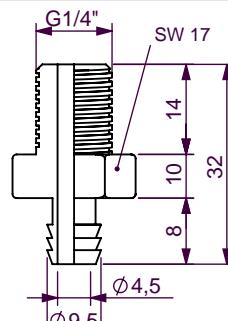
Weitere Materialien auf Anfrage
Further materials on request



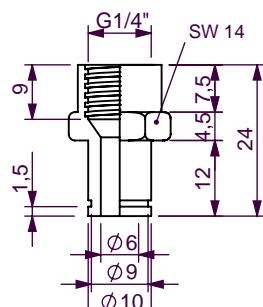
Art. 10.016.091._



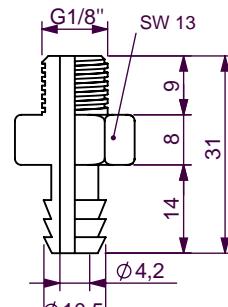
Art. 130.114



Art. 130.043



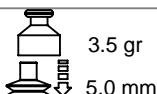
Art. 130.178



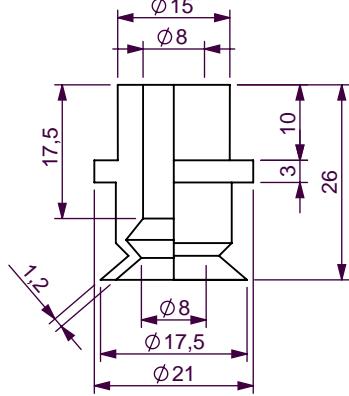
Art. 130.132

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material S(tr)



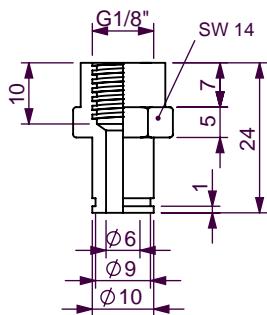
Weitere Materialien auf Anfrage
Further materials on request



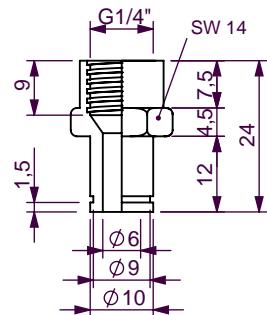
Art. 10.016.092._

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

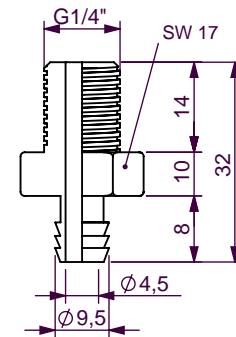
Material S(tr)



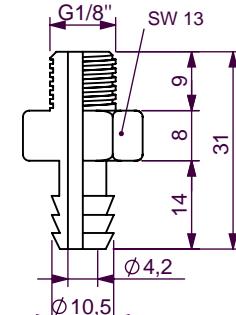
Art. 130.114



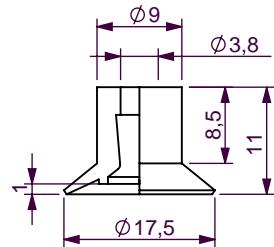
Art. 130.178



Art. 130.043



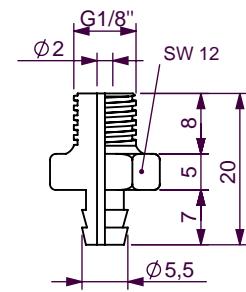
Art. 130.132



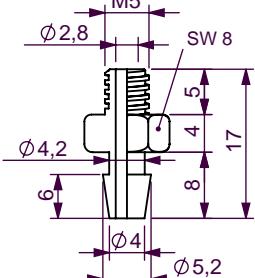
Art. 10.017.255._

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

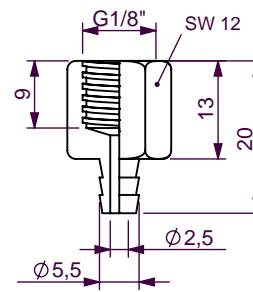
Material NR (sw)



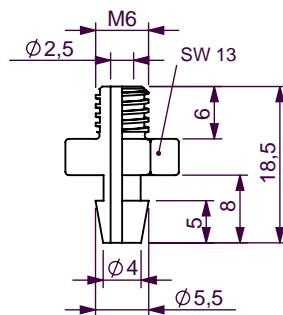
Art. 130.087



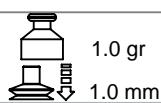
Art. 130.134



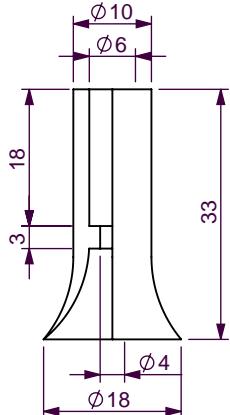
Art. 130.035



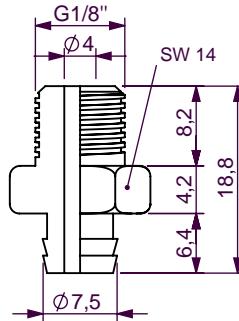
Art. 130.104



Weitere Materialien auf Anfrage
Further materials on request



Art. 10.018.088.



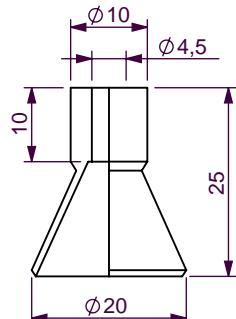
Art. 130.238

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

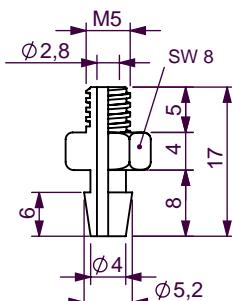
Material S(tr) 50 Shore



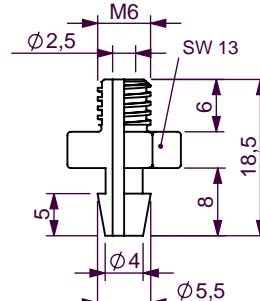
Weitere Materialien auf Anfrage
Further materials on request



Art. 10.020.297.



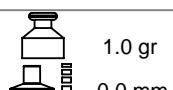
Art. 130.134



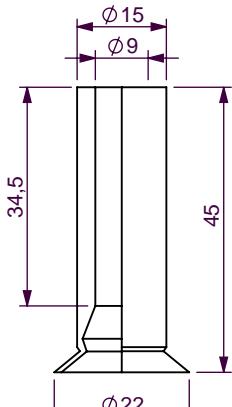
Art. 130.104

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

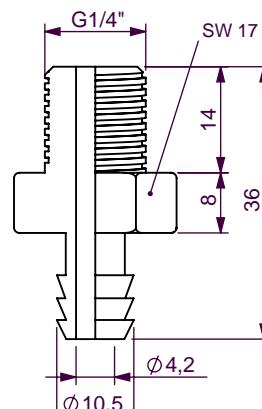
Material NR (sw), S(w)



Weitere Materialien auf Anfrage
Further materials on request



Art. 10.022.308.



Art. 130.208

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

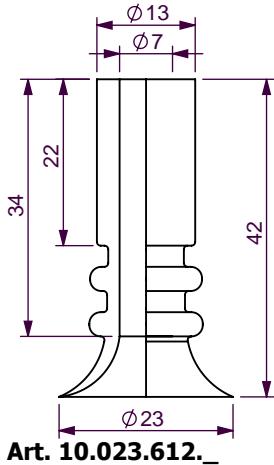
Material NR (sw)



Weitere Materialien auf Anfrage
Further materials on request



Eine große Auswahl von Saugern für unzählige Anwendungen bei Confiserieprodukten
Reihe Praline VAC
An abundance of vacuum cups for countless applications of confectionery products.



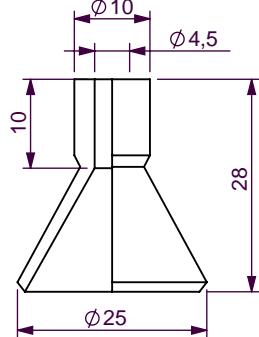
Art. 10.023.612.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material S (tr)



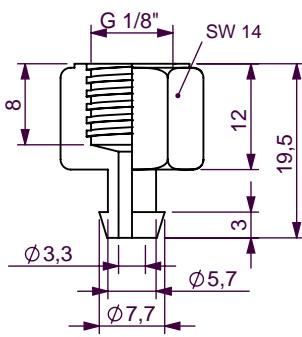
Weitere Materialien auf Anfrage
Further materials on request



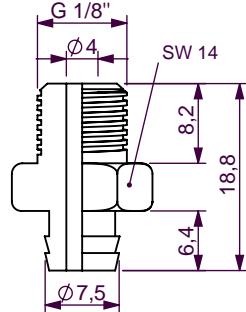
Art. 10.025.361.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

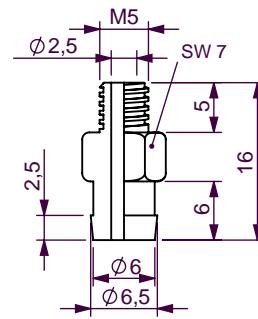
Material NR (sw), S(tr)



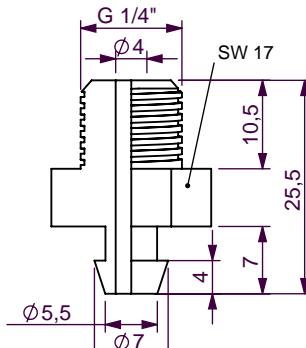
Art. 130.109



Art. 130.238



Art. 130.013



Art. 130.194

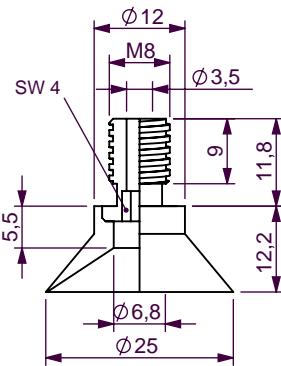
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material



Weitere Materialien auf Anfrage
Further materials on request



Eine große Auswahl von Saugern für unzählige Anwendungen bei Confiserieprodukten
Reihe Praline VAC
An abundance of vacuum cups for countless applications of confectionery products.



Art. 14.025.037._

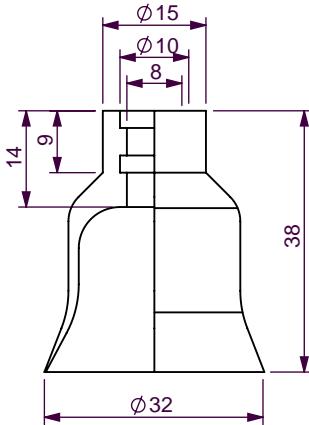
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material S (w)



5.0 gr
5.0 mm

Weitere Materialien auf Anfrage
Further materials on request



Art. 10.033.578._

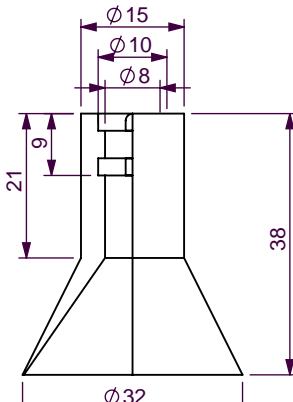
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material S (tr)



6.0 gr
0.0 mm

Weitere Materialien auf Anfrage
Further materials on request



Art. 10.033.579._

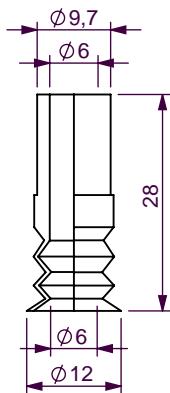
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material S (tr)



7.0 gr
0.0 mm

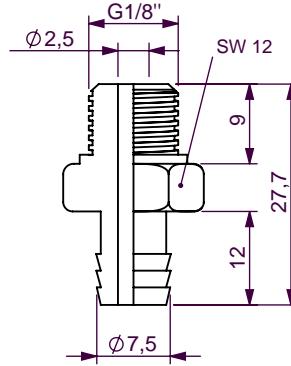
Weitere Materialien auf Anfrage
Further materials on request



Art. 220.012.024.

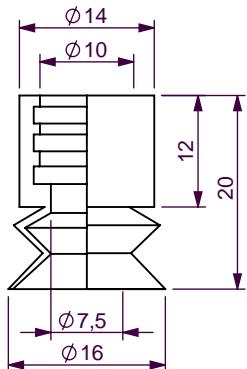
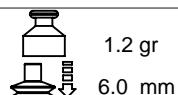
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material S (tr), S-soft (tr), NR-soft (bg)



Art. 130.546

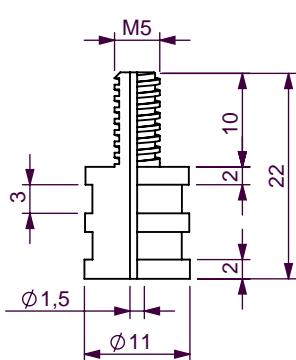
Weitere Materialien auf Anfrage
Further materials on request



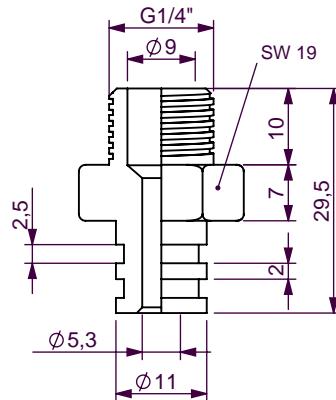
Art. 210.016.063.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material S (tr), S (r)

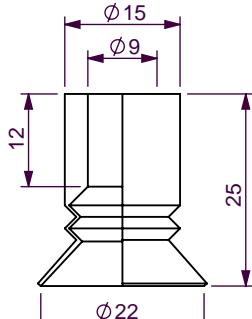


Art. 130.244



Art. 130.193

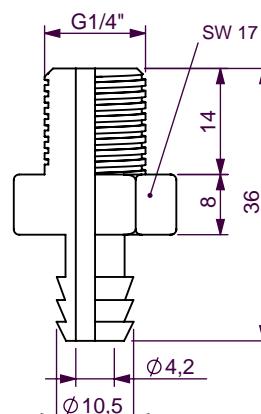
Weitere Materialien auf Anfrage
Further materials on request



Art. 210.022.142.

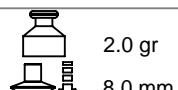
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material S (tr), S-soft (tr), NR (sw)



Art. 130.208

Weitere Materialien auf Anfrage
Further materials on request

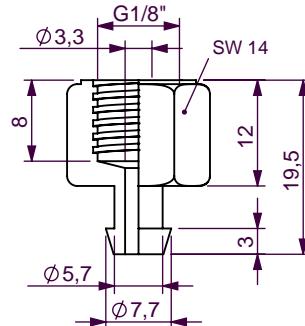
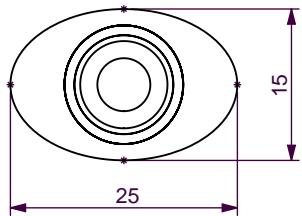




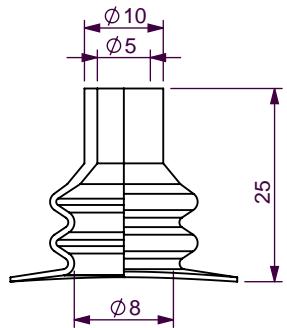
Eine große Auswahl von Saugern für unzählige Anwendungen bei Confiserieprodukten
An abundance of vacuum cups for countless applications of confectionery products.

Reihe Praline VAC

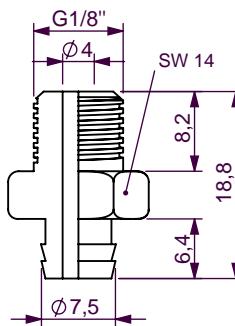
Line Praline VAC



Art. 130.109



Art. 40.025015.010._



Art. 130.238

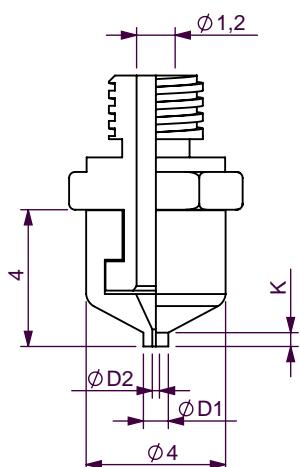
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material S-soft (tr)

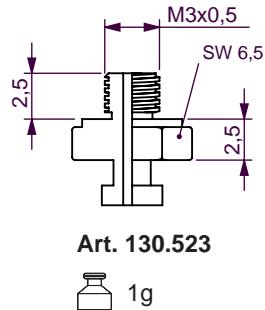


Weitere Materialien auf Anfrage
Further materials on request

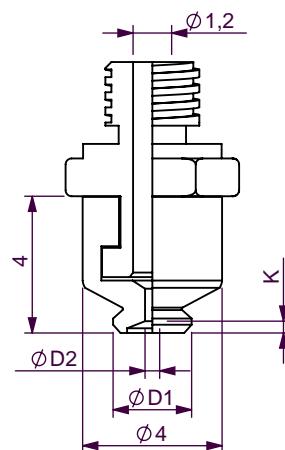
TYP A



Standard-Fitting

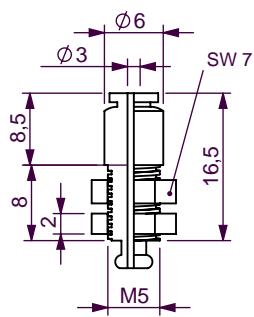
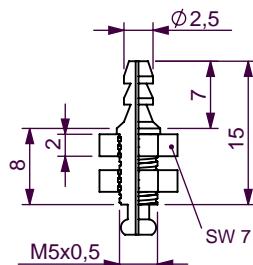
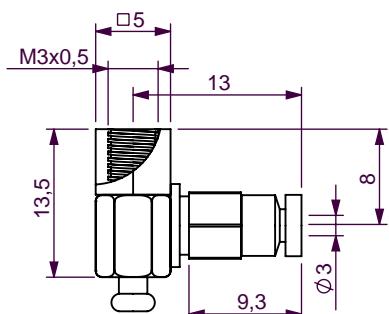
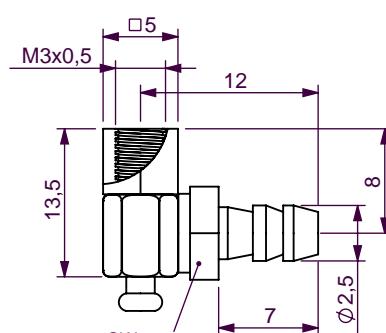


TYP B



TYP	Art.	\varnothing D1	\varnothing D2	K	Material	Verpackungseinheit Packaging unit
A	10.001.631.	0.7	0.2	0.4	1g NBR (schwarz) Silikon (transparent)	
A	10.001.632.	1	0.4	0.4	1g Silikon antistatisch (schwarz)	
A	10.002.633.	1.5	0.7	0.4	1g Nitrile rubber (black)	
B	10.002.634.	2	0.6	0.2	1g Silicone (transparent)	10 Stück 10 pieces
B	10.003.635.	3	0.8	0.4	1g Silicone antistatic (black)	
B	10.004.636.	4	1.2	0.6	1g	

Abmessungen in mm / Dimensions in mm • Material Fitting: Messing vernickelt / Brass nickel-plated


Schlauch: Ø 3x2 UBT0320 Polyurethan
Hose: Ø 3x2 UBT0320 Polyurethane

Schlauch: Ø 4x2.5 UBT0425 Polyurethan
Hose: Ø 4x2.5 UBT0425 Polyurethane

Schlauch: Ø 3x2 UBT0320 Polyurethan
Hose: Ø 3x2 UBT0320 Polyurethane

Schlauch: Ø 4x2.5 UBT0425 Polyurethan
Hose: Ø 4x2.5 UBT0425 Polyurethane

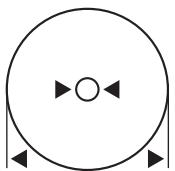
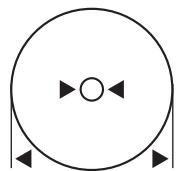
Reihe Saugscheiben VAC

Vakuumsauger für die Druckindustrie, z. B. Vereinzelung von Papierbögen und dünnen Kartonagen



Line Flat Rubber Discs VAC

Vacuum cups for the printing-industry, e.g. separation of paper sheets and thin cardboards

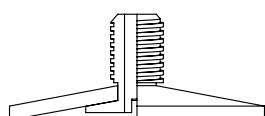


Art.	◀ Ø ▶ mm	▶ Ø ◀ mm	Art.	◀ Ø ▶ mm	▶ Ø ◀ mm
D.13.001.*	12,7	1,6	D.32.025.*	31,8	4,8
D.16.003.*	15,9	1,6	D.32.026.*	31,8	9,5
D.16.007.*	15,9	3,2	D.32.027.*	31,8	12,7
D.17.002.*	17,5	3,2	D.32.028.*	31,8	14,3
D.19.004.*	19,1	6,4	D.32.046.*	31,8	6,4
D.19.005.*	19,1	1,6	D.32.047.*	31,8	11,1
D.19.011.*	19,1	4,8	D.35.029.*	34,9	9,5
D.21.006.*	20,6	4,8	D.35.031.*	34,9	14,3
D.22.008.*	22,2	4,8	D.38.032.*	38,1	9,5
D.22.012.*	22,2	6,4	D.38.033.*	38,1	12,7
D.24.010.*	23,8	9,5	D.38.034.*	38,1	14,3
D.25.013.*	25,4	4,8	D.38.035.*	38,1	15,9
D.25.014.*	25,4	6,4	D.38.045.*	38,1	11,1
D.25.015.*	25,4	9,5	D.41.036.*	41,3	9,5
D.27.016.*	27,0	3,2	D.41.037.*	41,3	12,7
D.27.018.*	27,0	9,5	D.41.038.*	41,3	14,3
D.29.019.*	28,6	6,4	D.41.039.*	41,3	15,9
D.29.020.*	28,6	12,7	D.44.040.*	44,5	7,9
D.29.021.*	28,6	14,3	D.44.041.*	44,5	12,7
D.30.022.*	30,2	9,5	D.44.042.*	44,5	14,3
D.30.023.*	30,2	12,7	D.44.043.*	44,5	15,9
D.30.024.*	30,2	14,3	D.50.044.*	50,8	12,7

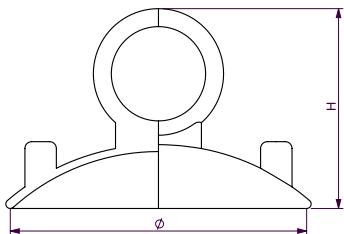
Material Material	Dicke Thickness mm	Farbe Color	Endziffer Last Digit *
NR	0,5	weiß white	1
NR	0,8	rosa pink	2
NR	1,0	beige beige	3
NR	1,6	weiß white	4
NR	2,0	grün green	5
PU	0,8	transparent	6

Weitere Größen und Materialen auf Anfrage

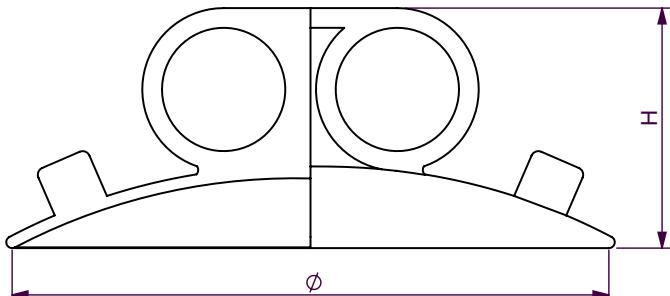
Other dimensions and materials on request



Verpackungseinheit 100 Stück / Packing unit 100 pc



Art.	Ø mm	H mm	Material	Gewicht Weight	Abreisskraft Lifting force
HG.054.V	54	41	Vinyl	18 g	15 kg
HG.066.V	66	45	Vinyl	23 g	20 kg



Art.	Ø mm	H mm	Material	Gewicht Weight	Abreisskraft Lifting force
HG.082.V	82	41	Vinyl	35 g	22 kg
HG.121.V	121	61	Vinyl	132 g	28 kg
HG.115.01	115	64	NBR	120 g	25 kg
HG.115.03	115	64	NR	120 g	25 kg

Einsatzbereiche

- Glas
- Holz
- Kunststoff
- Blech
- Keramik

Vorteile

- Keine Vakuumquelle erforderlich
- Starke Haltekraft
- Einfache Handhabung
- Mit Entriegelungssöse
- 5 Größen lieferbar

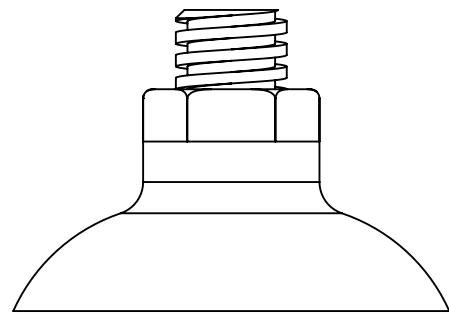
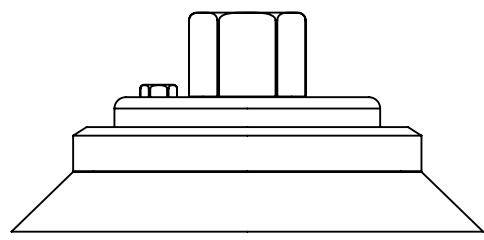
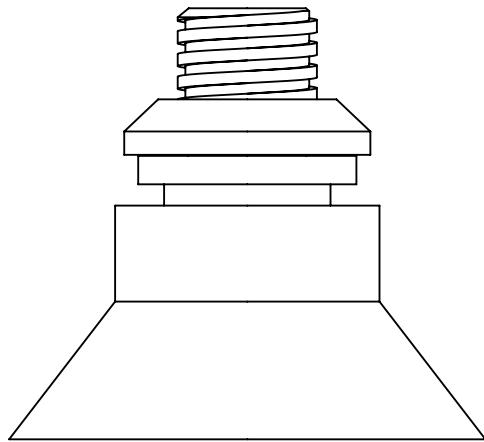
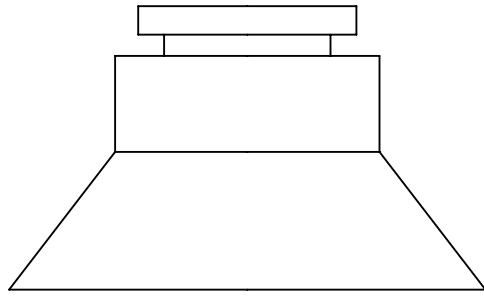
Operating ranges

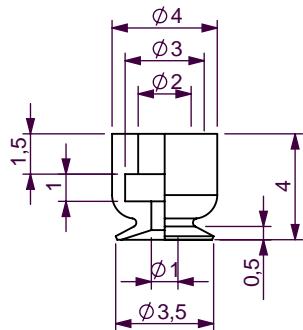
- Glass
- Wood
- Plastics
- Metal sheet
- Ceramic

Advantages

- No vacuum pump required
- Strong holding capacity
- Easy to use
- With release button
- Available in 5 different sizes

II - Flachsauger / Flat vacuum cups

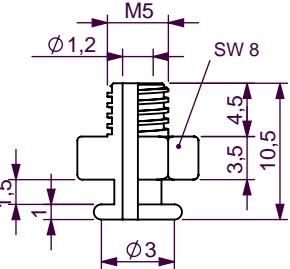




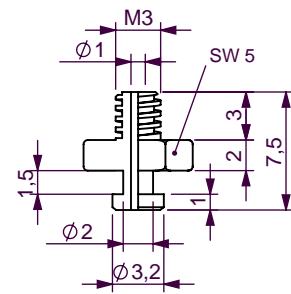
Art. 10.003.040.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR(sw), NBR-AS(sw), S(tr), S-AS(sw), PU(bl), FKM(sw)

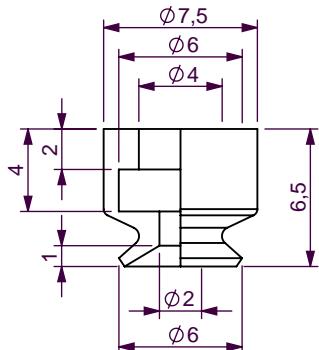


Art. 130.300



Art. 130.014

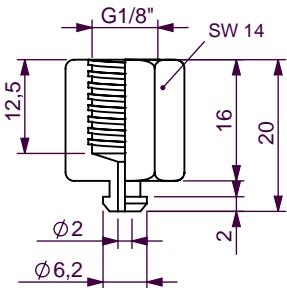
Weitere Materialien auf Anfrage
Further materials on request



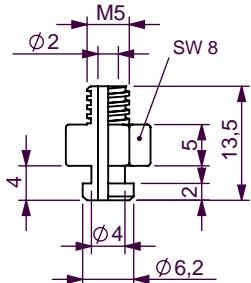
Art. 10.006.021.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

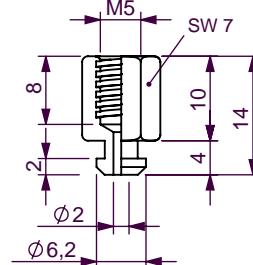
Material NBR(sw), NBR-AS(sw), S(tr), S-AS(sw), PU(bl), FKM(sw)



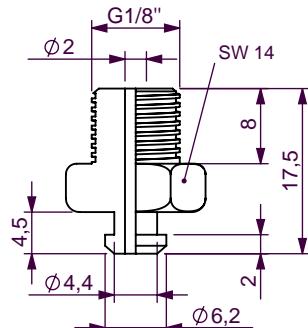
Art. 130.007



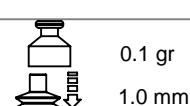
Art. 130.010



Art. 130.005

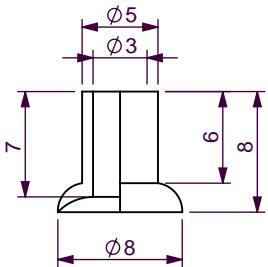


Art. 130.009



0.1 gr
1.0 mm

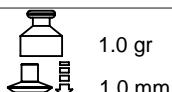
Weitere Materialien auf Anfrage
Further materials on request



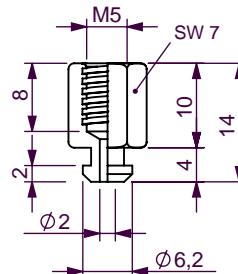
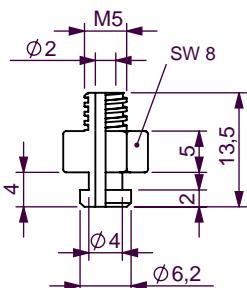
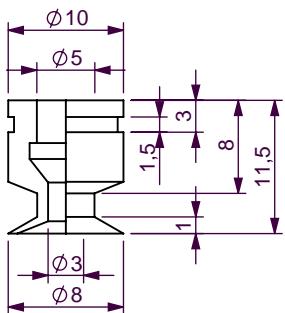
Art. 10.008.068._

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S(w), NR(sw)



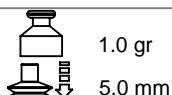
Weitere Materialien auf Anfrage
Further materials on request



Art. 10.008.166._

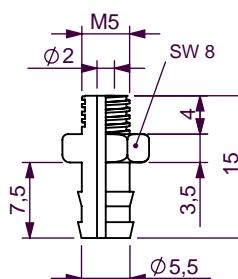
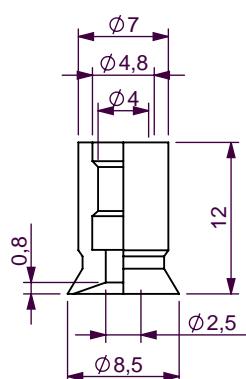
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material S(tr), S-AS(sw)



Weitere Materialien auf Anfrage
Further materials on request

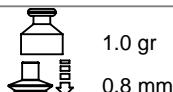
Art. 130.010



Art. 10.008.164._

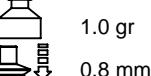
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material S (tr)

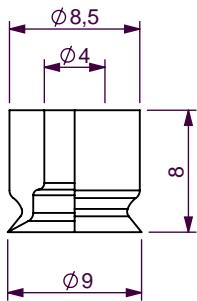


Weitere Materialien auf Anfrage
Further materials on request

Art. 130.024



1.0 gr
0.8 mm



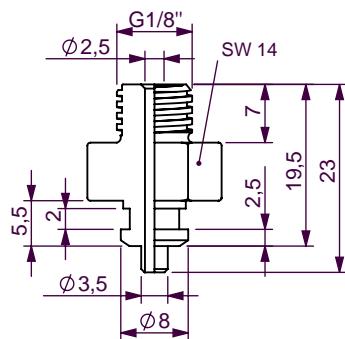
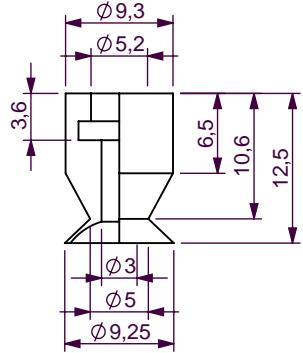
Art. 10.009.167.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

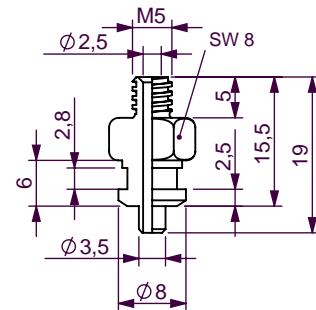
Material S(bl)



Weitere Materialien auf Anfrage
Further materials on request



Art. 130.085

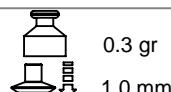


Art. 130.037

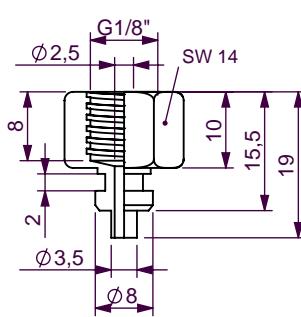
Art. 10.009.185.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

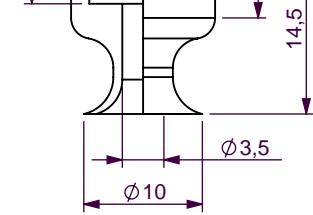
Material NBR (sw), S (tr)



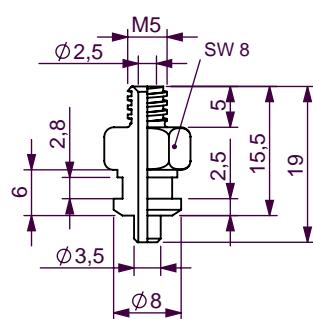
Weitere Materialien auf Anfrage
Further materials on request



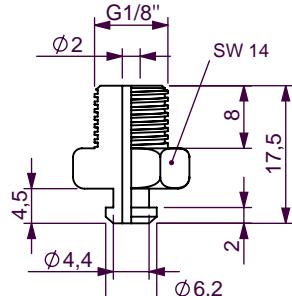
Art. 130.086



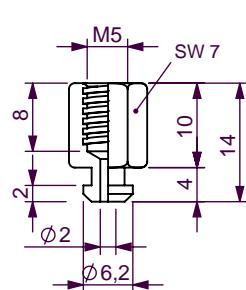
Art. 10.010.060.



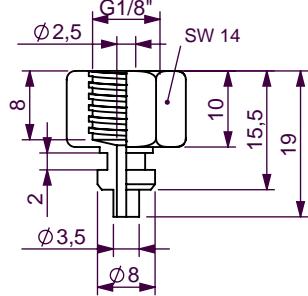
Art. 130.037



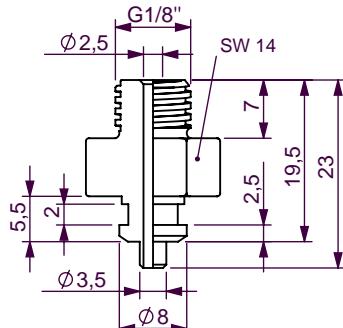
Art. 130.009



Art. 130.005



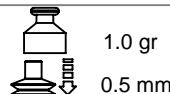
Art. 130.086



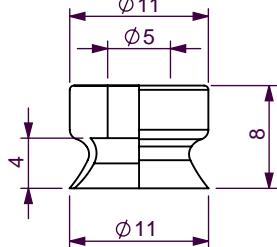
Art. 130.085

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

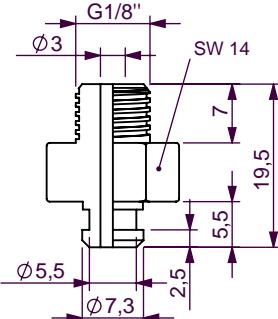
Material NBR (sw), S (tr)



Weitere Materialien auf Anfrage
Further materials on request



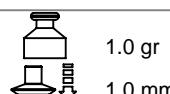
Art. 10.011.196.



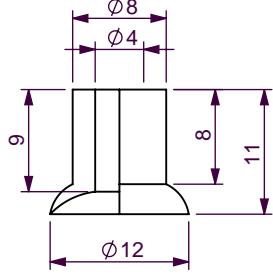
Art. 130.095

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S(tr)



Weitere Materialien auf Anfrage
Further materials on request



Art. 10.012.071.

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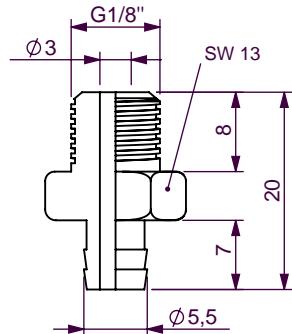
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S (w), NR (sw)

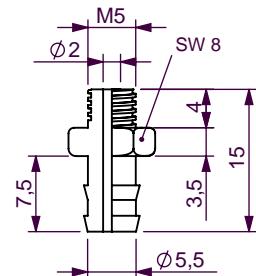


Weitere Materialien auf Anfrage
Further materials on request

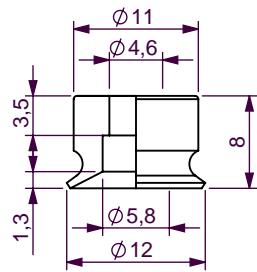
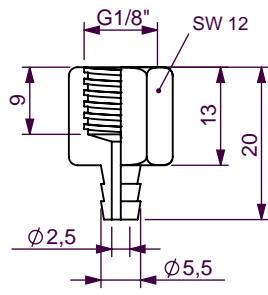
Art. 130.033



Art. 130.024



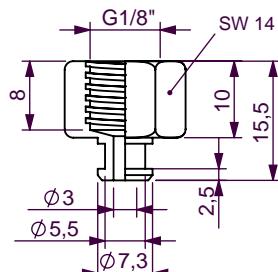
Art. 130.035



Art. 10.012.205.

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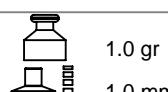
Morali Produktionstechnik GmbH



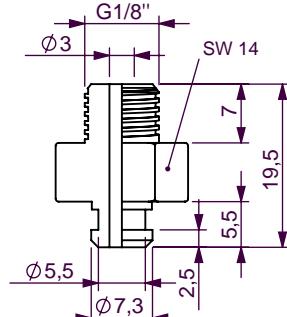
Art. 130.096

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

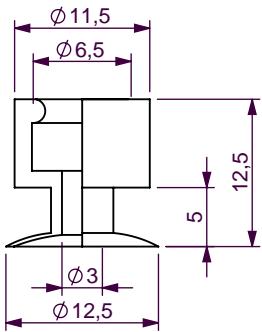
Material NBR (sw), S(tr), PU(bl)



Weitere Materialien auf Anfrage
Further materials on request



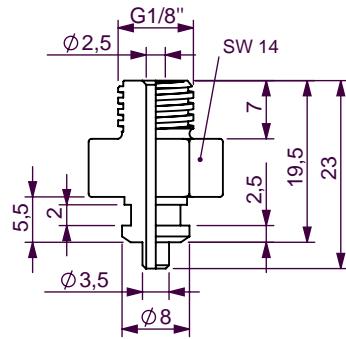
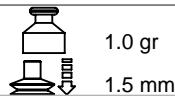
Art. 130.095



Art. 10.012.206.

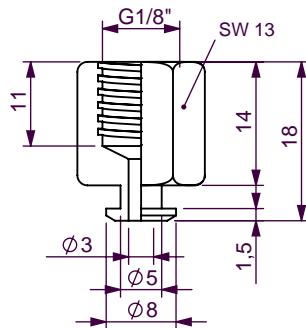
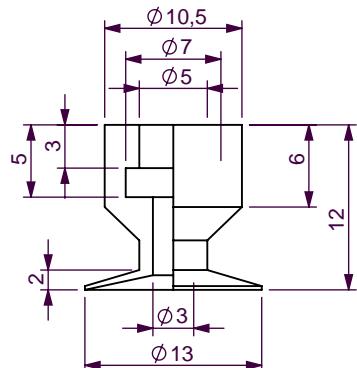
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (r)

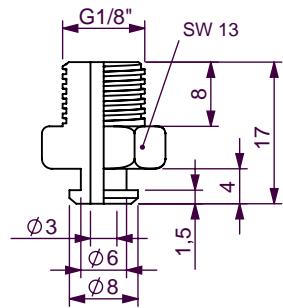


Art. 130.085

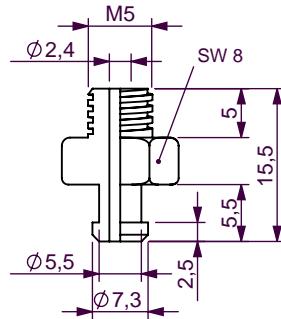
Weitere Materialien auf Anfrage
Further materials on request



Art. 130.065



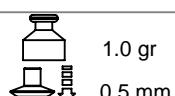
Art. 130.064



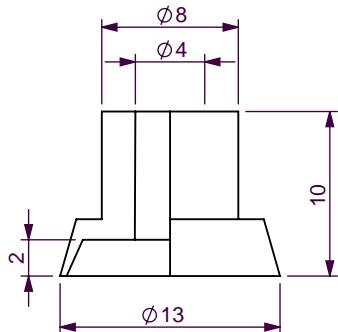
Art. 130.094

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

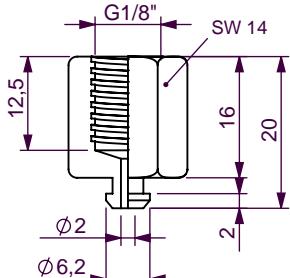
Material S (tr)



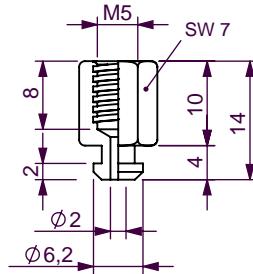
Weitere Materialien auf Anfrage
Further materials on request



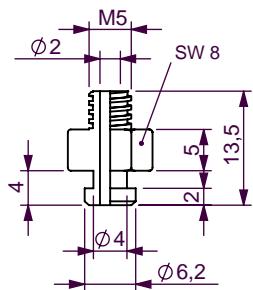
Art. 10.013.209.



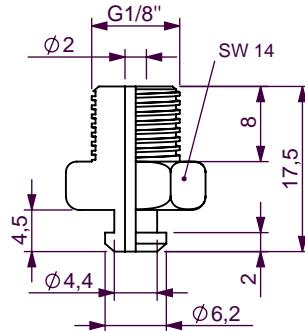
Art. 130.007



Art. 130.005



Art. 130.010



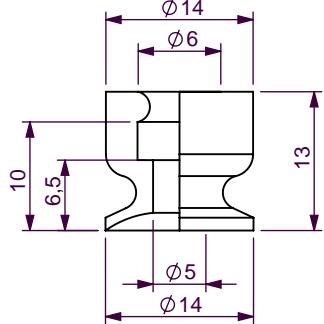
Art. 130.009

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

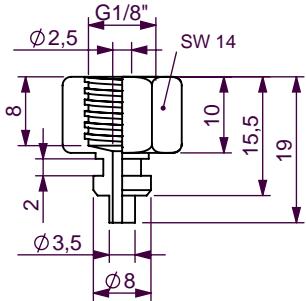
Material S-Soft (tr), NR-Soft (bg)



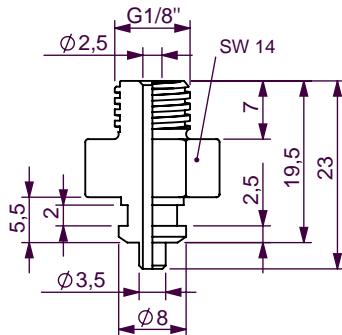
Weitere Materialien auf Anfrage
Further materials on request



Art. 10.014.216.



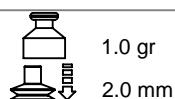
Art. 130.086



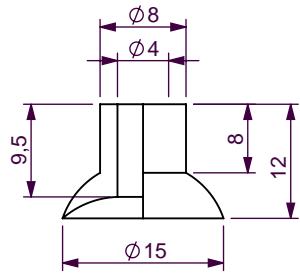
Art. 130.085

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NR (r)



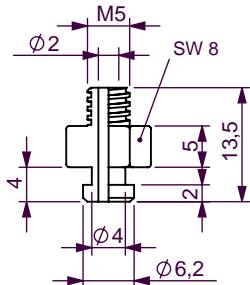
Weitere Materialien auf Anfrage
Further materials on request



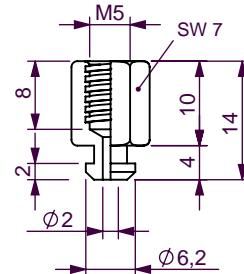
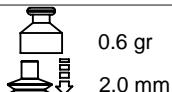
Art. 10.015.072.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR(sw), S(w), NR(sw)

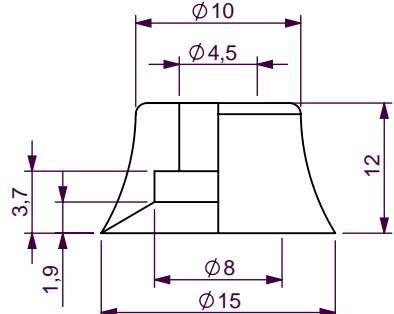


Art. 130.010



Art. 130.005

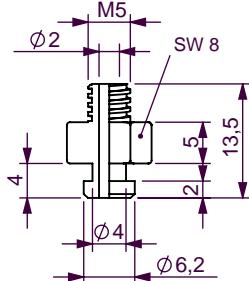
Weitere Materialien auf Anfrage
Further materials on request



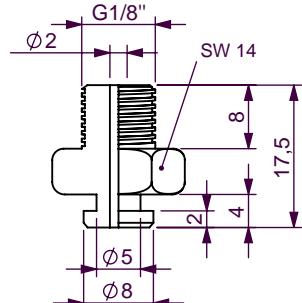
Art. 10.015.139.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

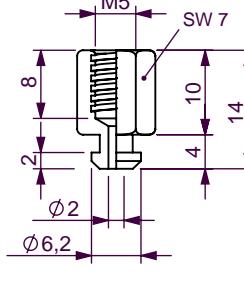
Material NBR (sw), S(tr), PU(bl)



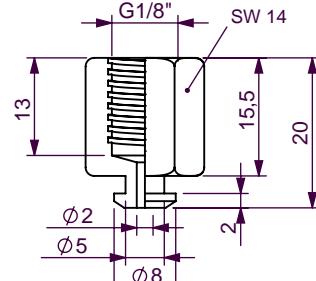
Art. 130.010



Art. 130.021

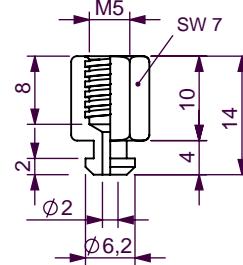
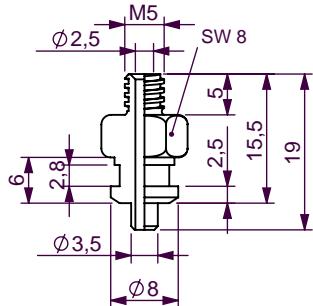
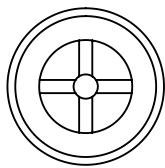


Art. 130.005

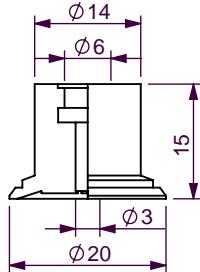


Art. 130.017

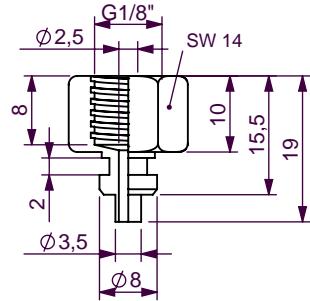
Weitere Materialien auf Anfrage
Further materials on request



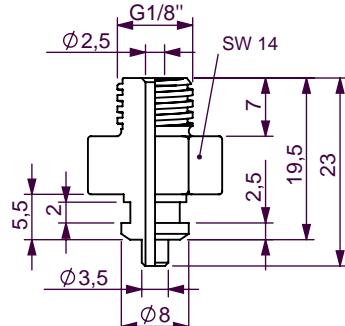
Art. 130.037



Art. 10.020.008._



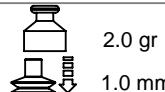
Art. 130.086



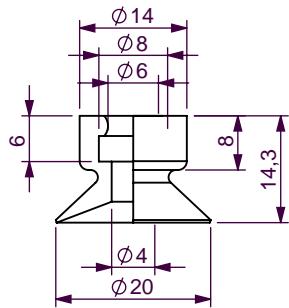
Art. 130.085

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

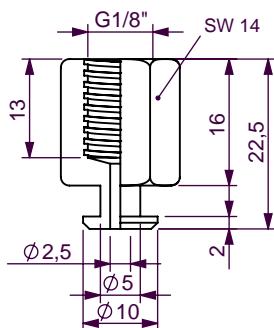
Material NBR (sw), S(tr), NBR(gr), S(r), NR(br)



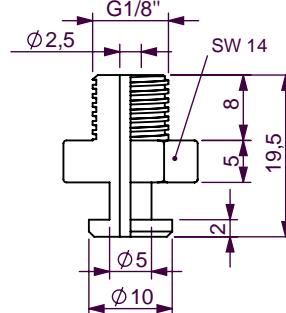
Weitere Materialien auf Anfrage
Further materials on request



Art. 10.020.011._



Art. 130.018



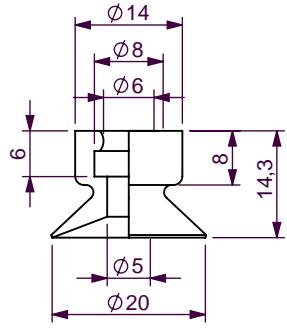
Art. 130.006

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S(tr), NR(r)



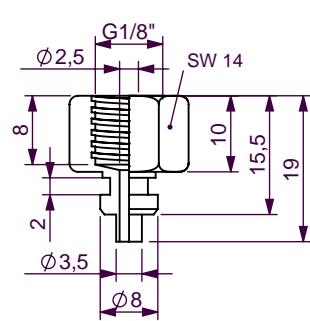
Weitere Materialien auf Anfrage
Further materials on request



Art. 10.020.015.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NR (sw), NR (r)

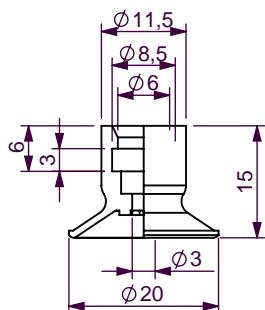
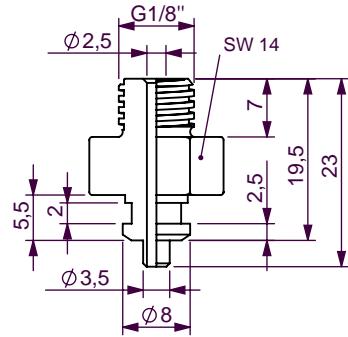


Art. 130.086



Art. 130.085

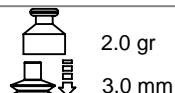
Weitere Materialien auf Anfrage
Further materials on request



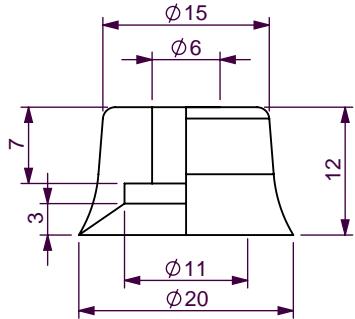
Art. 10.020.116.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw)



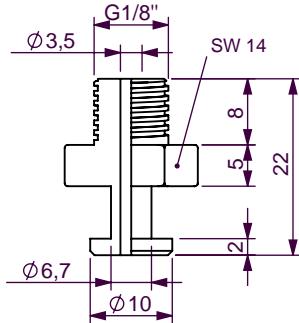
Weitere Materialien auf Anfrage
Further materials on request



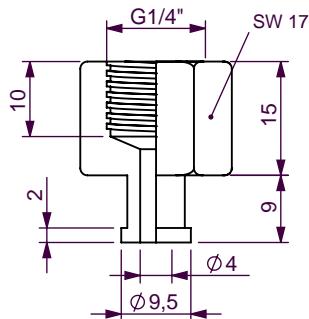
Art. 10.020.140.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

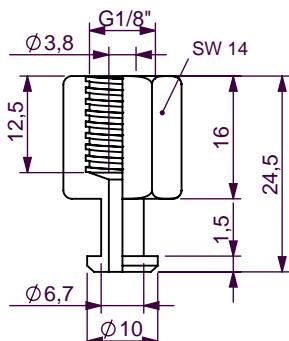
Material NBR (sw)



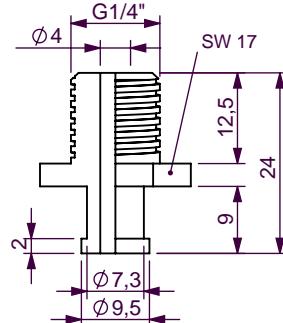
Art. 130.030



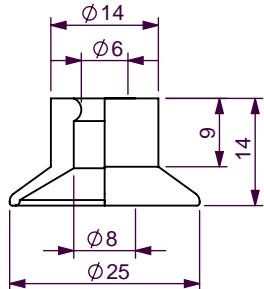
Art. 130.275



Art. 130.019



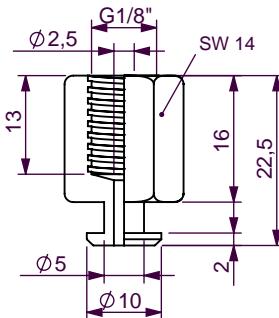
Art. 130.274



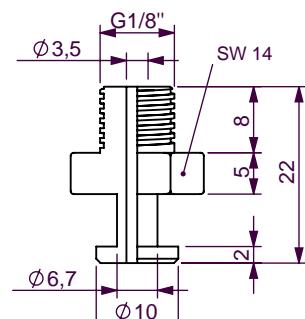
Art. 10.025.010.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

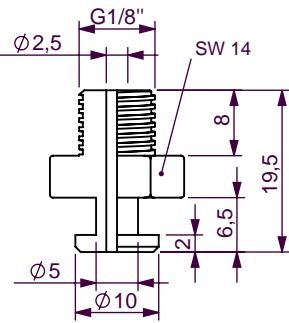
Material NR (g), S (g), NR-Soft (sw)



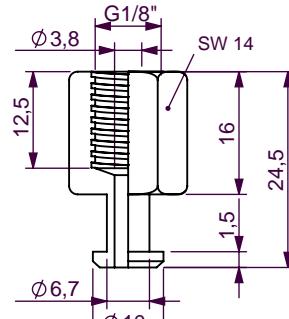
Art. 130.018



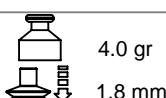
Art. 130.030



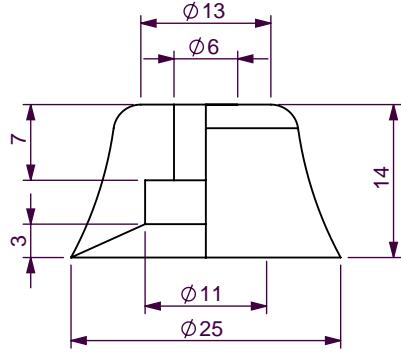
Art. 130.006



Art. 130.019



Weitere Materialien auf Anfrage
Further materials on request

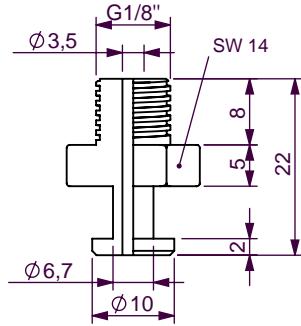


Art. 10.025.141.

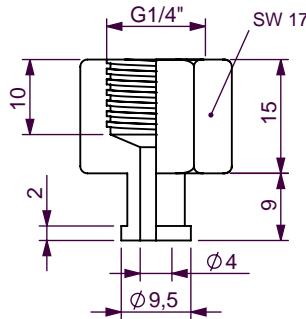
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Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

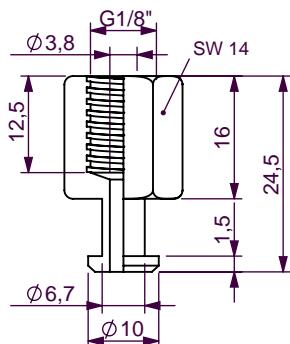
Material NBR (sw), S (tr), PU (bl)



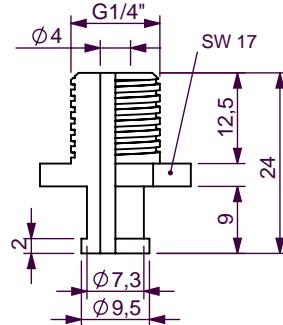
Art. 130.030



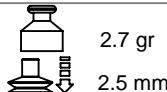
Art. 130.275



Art. 130.019



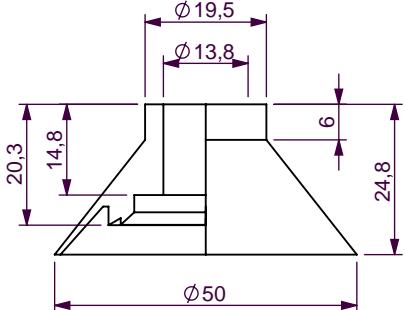
Art. 130.274



Weitere Materialien auf Anfrage
Further materials on request

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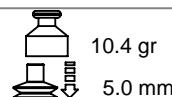
Morali Produktionstechnik GmbH



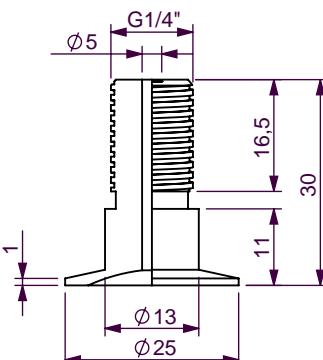
Art. 10.050.009.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

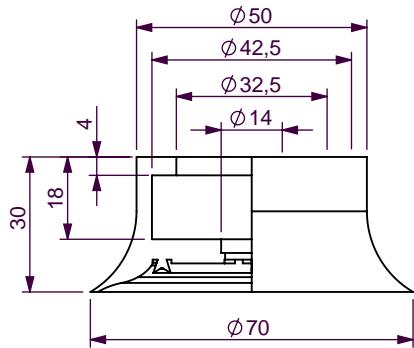
Material CR (sw), S(r)



Weitere Materialien auf Anfrage
Further materials on request



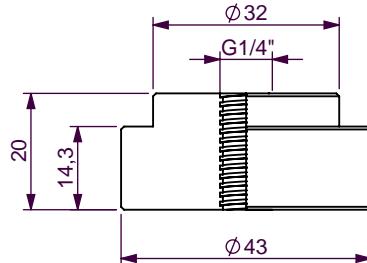
Art. 130.184



Art. 10.070.023.

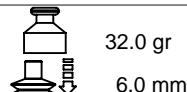
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NR(bg), S(tr), SBR(rb), NR-Soft(b)



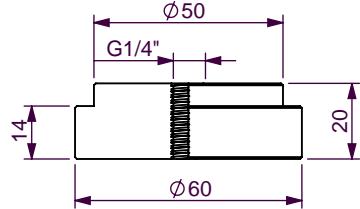
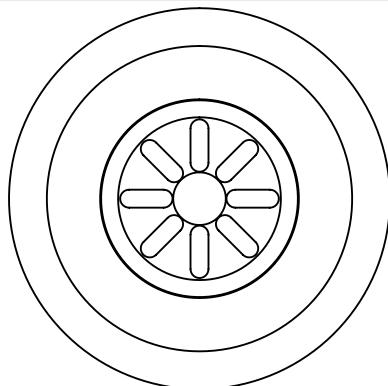
Art. 130.179

Weitere Materialien auf Anfrage
Further materials on request

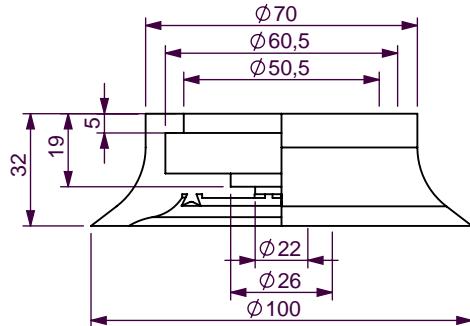


32.0 gr

6.0 mm



Art. 130.180



Art. 10.100.096.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (gr), S(tr), NR-Soft (b), SBR (rb)



68.0 gr

5.0 mm

Weitere Materialien auf Anfrage
Further materials on request

Art. 10.160.013._

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NR (gr), S (r)

211.0 gr
4.5 mm

Weitere Materialien auf Anfrage
Further materials on request

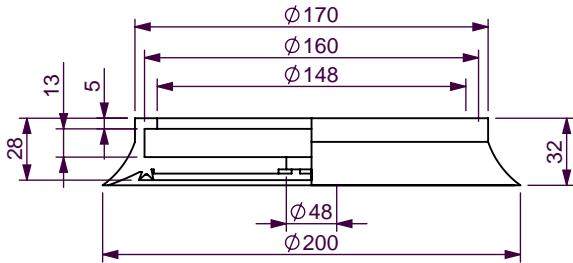
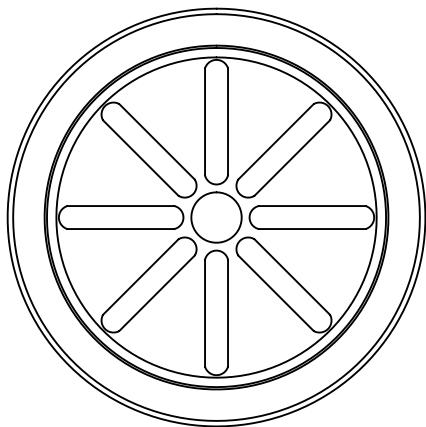
Art. 10.160.014._

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material S (gr)

180.0 gr
0.0 mm

Weitere Materialien auf Anfrage
Further materials on request



Art. 10.200.026.

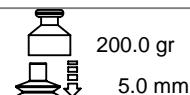
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Telefon +49 741-17 52 60-0

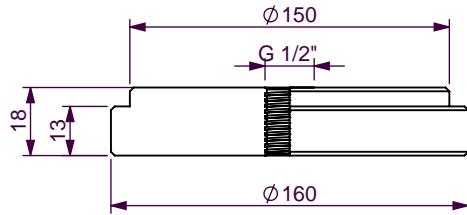
Morali Produktionstechnik GmbH

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (gr), NR-Soft (rb), S (tr)



Weitere Materialien auf Anfrage
Further materials on request



Art. 130.335

Ø mm	Art.
1,8	10.002.554.
2	10.002.110.
2	10.002.130.
3,5	10.003.132.
3,5	10.003.581.
5	10.005.131.
5	10.005.133.
6	10.006.134.
6,5	10.006.151.
7	10.007.610.
7	10.007.638.
7	10.007.639.
7	10.007.649.
7	10.007.676.
7,6	10.008.630.
8	10.008.135.
8	10.008.136.
8	10.008.155.
8	10.008.599.
8	10.008.611.
8	10.008.640.
8	10.008.677.
9,3	10.009.580.
10	10.010.137.
10	10.010.138.
10	10.010.194.
12	10.012.598.
12	10.012.656.
13	10.013.352.
15	10.015.018.
15	10.015.031.
15	10.015.228.
15	10.015.604.
16	10.016.007.
16	10.016.012.
16	10.016.239
16	10.016.353.

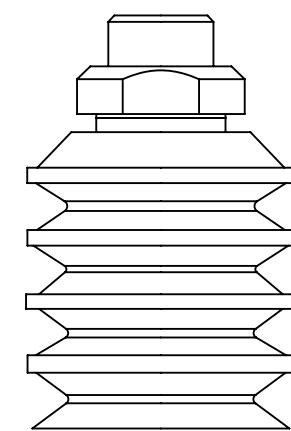
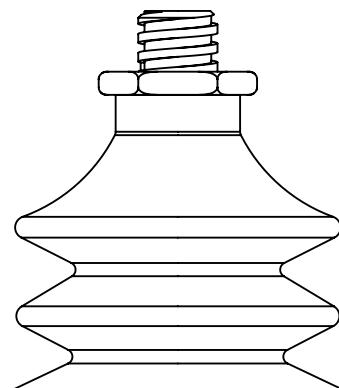
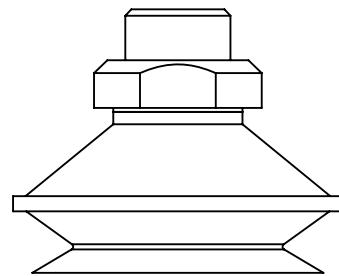
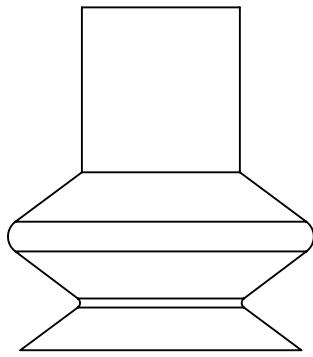
Ø mm	Art.
16	10.016.651.
16	10.016.658.
17	10.017.250.
17	10.017.255.
17	10.017.595.
18	10.018.088.
18	10.018.265.
18	10.018.621.
20	10.020.019.
20	10.020.278.
20	10.020.405.
20	10.020.597.
20	10.020.624.V
20	10.020.647.
20	10.020.675.
20	14.020.006.
21	10.021.601.
21	10.021.622.
21	10.021.644.
21	10.021.671.
22	10.022.056.
22	10.022.623.V
22	10.022.663.
23	10.023.612.
23	10.023.654.V
24	10.024.351.
25	10.025.028.
25	10.025.328.V
25	10.025.596.
25	10.025.650.
25	14.025.037.
25	14.025.038.
26	10.026.032.
27	10.027.370.
27	10.027.374.
27	10.027.646.
28	10.028.551.

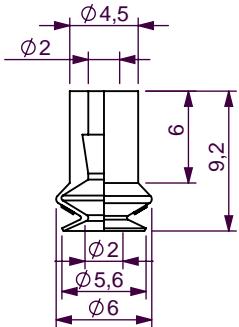
Ø mm	Art.
28	10.028.616.
29	10.029.582.
30	10.030.063.
30	10.030.102.
30	10.030.142.
30	10.030.606.
30	10.030.614.
30	10.030.617.
30	10.030.668.
30	10.030.672.
30	13.030.030.
30	13.030.031.
30	14.030.007.
31	10.031.620.V
31	10.031.637.
32	10.032.165.
33	10.033.578.
33	10.033.579.
33	10.033.642.
34	10.034.397.
34	10.034.552.
35	10.035.143.
35	10.035.427.
35	10.035.432.
36	10.036.439.
38	10.038.333.
38	10.038.553.
39	10.039.455.
40	10.040.101.
40	10.040.125.
40	10.040.144.
40	10.040.466.
40	10.040.605.
40	10.040.609.
40	10.040.625.
40	10.040.659.
40	10.040.674.

Ø mm	Art.
41	10.041.673.
42	10.042.468.V
44	10.044.615.
44	10.044.664.
47	10.047.478.
49	10.049.003.
50	10.050.331.
50	10.050.332.
50	10.050.600.
50	14.050.017.
55	10.055.493.
60	10.060.160.
60	13.060.006.
65	10.065.670.
68	10.068.518.
68	10.068.520.
70	10.070.573.
70	15.070.024.
75	13.075.017.
75	13.075.069.
75	14.075.039.
80	10.080.531.
80	10.080.574.
80	10.080.645.
80	10.080.669.
80	13.080.007.
83	10.083.334.
90	10.090.652.
90	13.090.060.
95	10.095.540.
95	13.095.008.
104	10.104.667.
106	13.106.023.
106	13.106.061.
112	14.112.001.
112	14.112.002.
135	10.135.146.

Ø mm	Art.
135	10.135.665.
150	10.150.641.
150	13.150.019.
150	13.150.054.
160	10.160.593.
160	10.160.661.
170	10.170.024.
175	15.175.037.
200	13.200.062.
200	13.200.068
205	10.205.666.
216	13.216.005.01
225	13.225.020.
238	10.238.129.
240	10.240.607.
243	10.243.602.
252	13.252.059.
252	15.252.038.
282	13.282.058.
288	15.288.032.
288	15.288.033.
300	13.300.021.
350	10.350.097.
382	13.382.065.

III - Balgensauger / Bellows vacuum cups

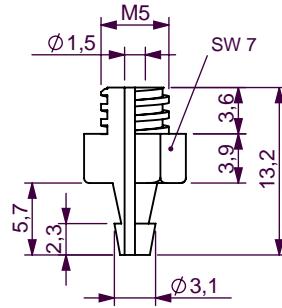




Art. 210.005.045.

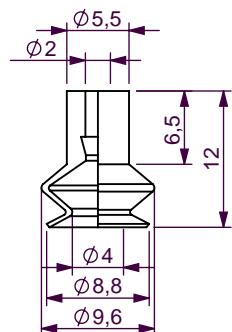
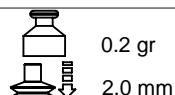
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S (r)



Art. 130.153

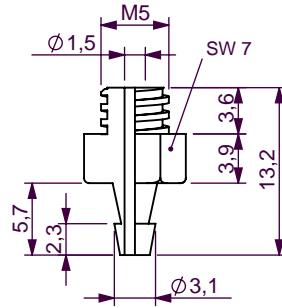
Weitere Materialien auf Anfrage
Further materials on request



Art. 210.008.010.

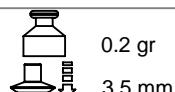
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

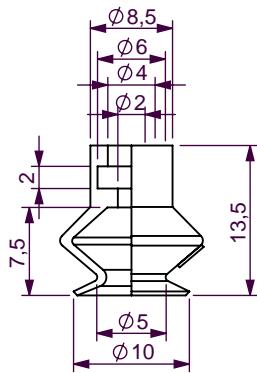
Material NBR (sw), S (r), HNBR(wr)



Art. 130.153

Weitere Materialien auf Anfrage
Further materials on request

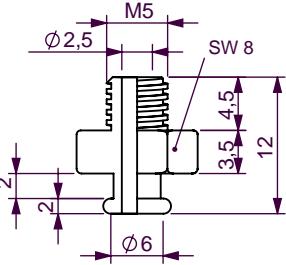




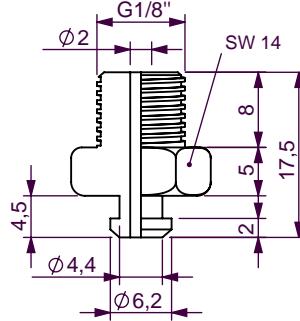
Art. 210.010.008.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR(sw), NBR-AS(sw), S(tr), S-AS(sw), PU(bl), HNBR(wr)

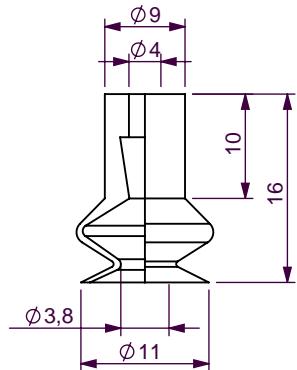


Art. 130.301



Art. 130.009

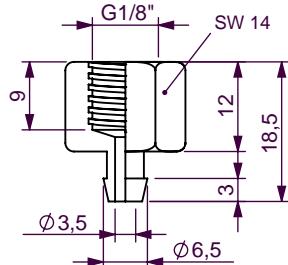
Weitere Materialien auf Anfrage
Further materials on request



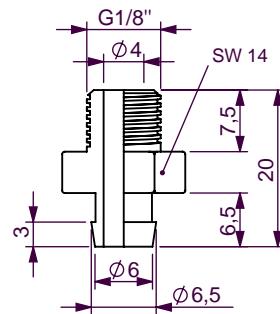
Art. 210.011.001.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

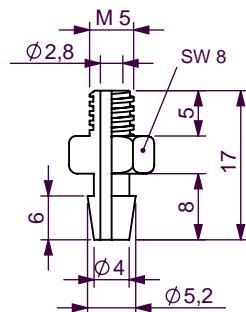
Material NBR (sw), HNBR (wr), S (r)



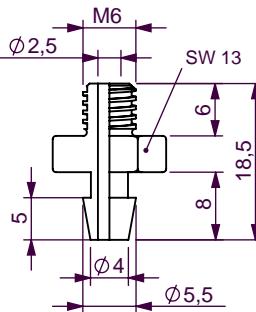
Art. 130.015



Art. 130.003

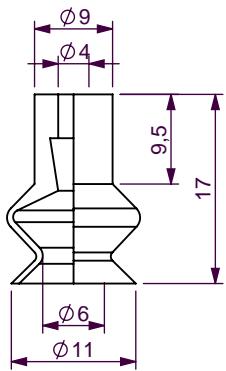


Art. 130.134



Art. 130.104

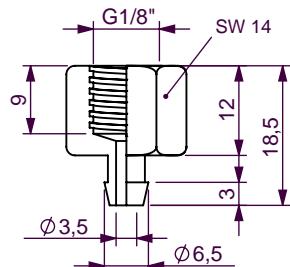
Weitere Materialien auf Anfrage
Further materials on request



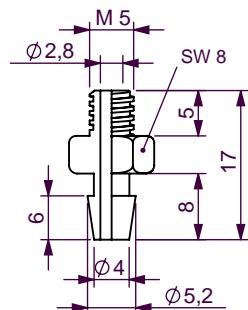
Art. 210.011.029.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

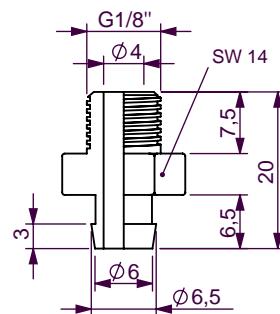
Material NBR (sw), S (tr), PU



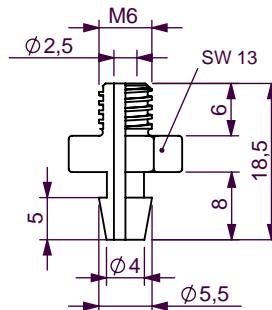
Art. 130.015



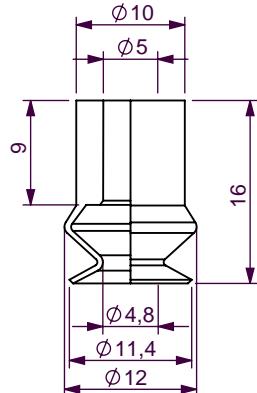
Art. 130.134



Art. 130.003



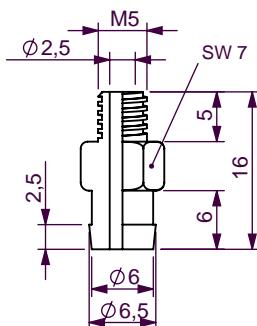
Art. 130.104



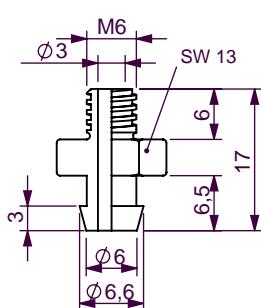
Art. 210.011.018.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

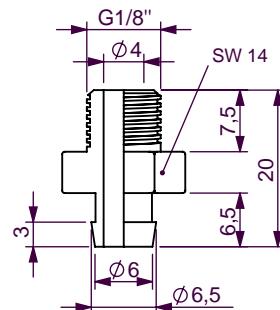
Material NBR (sw), S (tr), HNBR (wr)



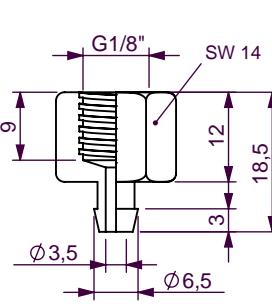
Art. 130.013



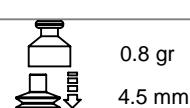
Art. 130.103



Art. 130.003



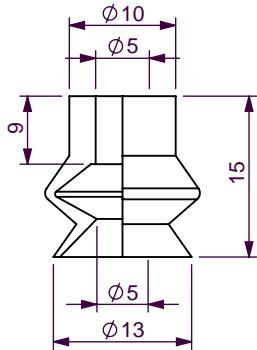
Art. 130.015



0.8 gr

4.5 mm

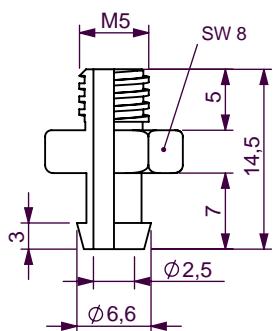
Weitere Materialien auf Anfrage
Further materials on request



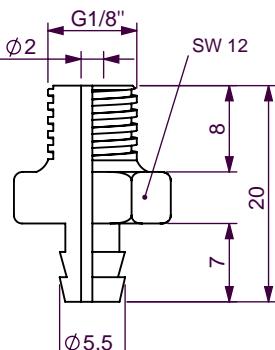
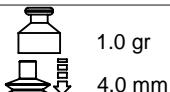
Art. 210.013.003.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S (tr), NR (gr), FKM (g), HNBR (wr)

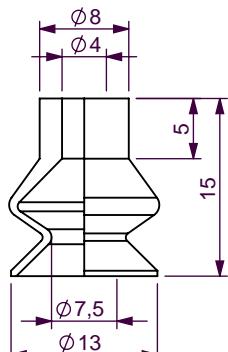


Art. 130.317



Art. 130.087

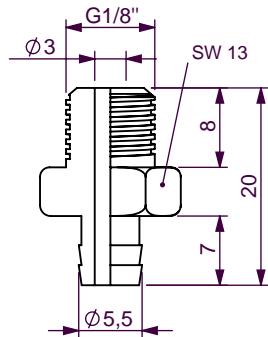
Weitere Materialien auf Anfrage
Further materials on request



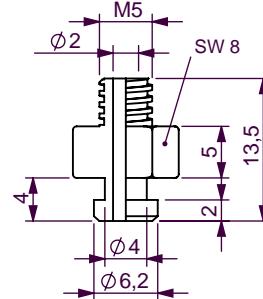
Art. 210.013.013.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

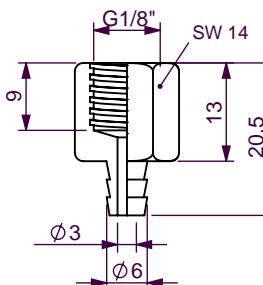
Material NBR (sw), S (tr), Vinyl (bl)



Art. 130.033

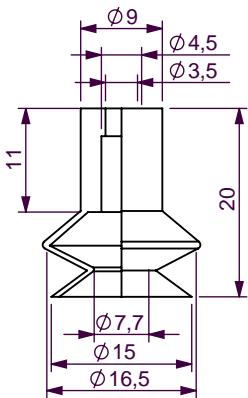


Art. 130.010

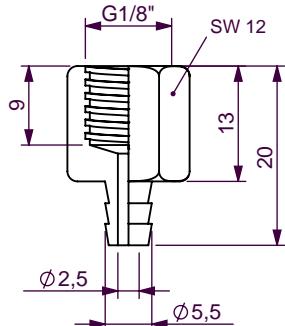


Art. 130.206

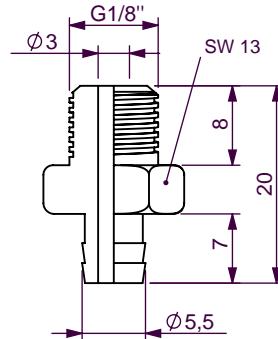
Weitere Materialien auf Anfrage
Further materials on request



Art. 210.015.011.



Art. 130.035



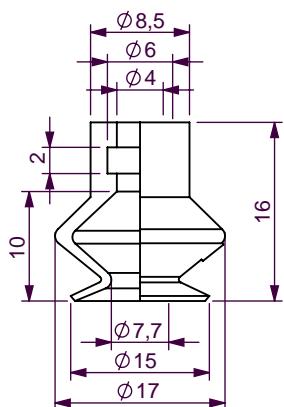
Art. 130.033

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

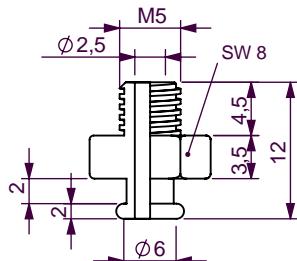
Material Vinyl (bl)



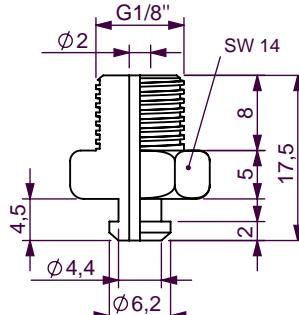
Weitere Materialien auf Anfrage
Further materials on request



Art. 210.015.015.



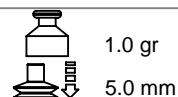
Art. 130.301



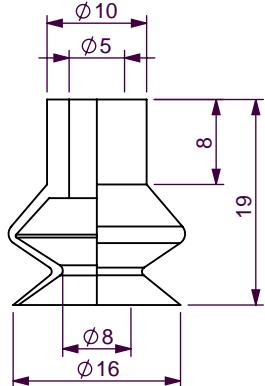
Art. 130.009

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S (tr), PU (bl)



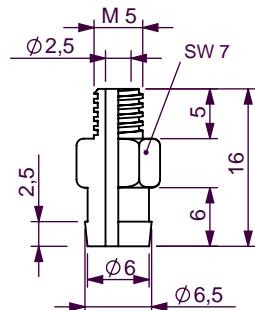
Weitere Materialien auf Anfrage
Further materials on request



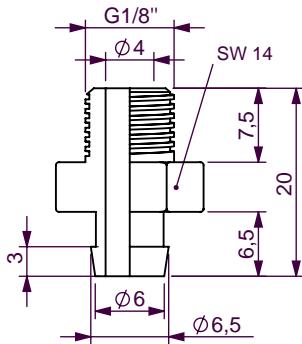
Art. 210.016.002.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

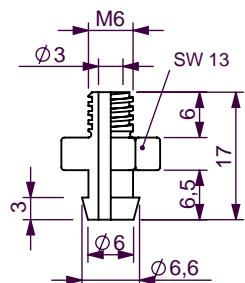
Material NBR (sw), S (tr), HNBR (wr), NR (gr)



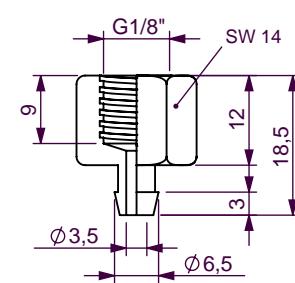
Art. 130.013



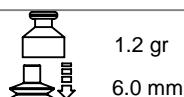
Art. 130.003



Art. 130.103

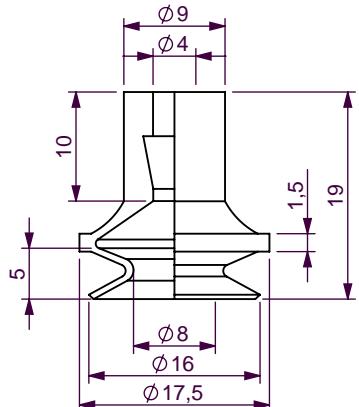


Art. 130.015



1.2 gr
6.0 mm

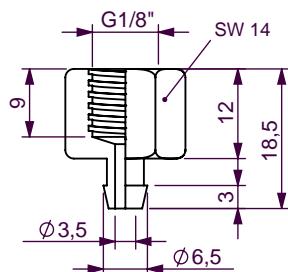
Weitere Materialien auf Anfrage
Further materials on request



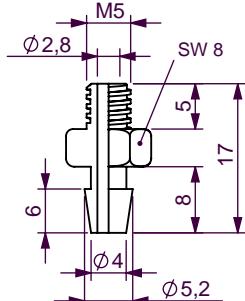
Art. 210.016.026.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

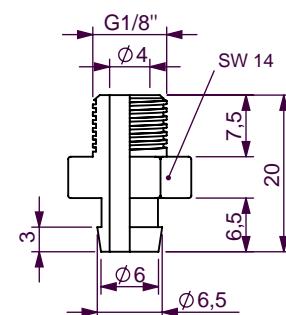
Material NBR (sw), S (tr), NR (gr), PU (bl), HNBR (wr)



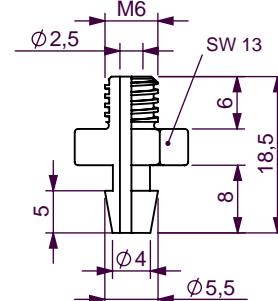
Art. 130.015



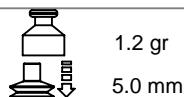
Art. 130.134



Art. 130.003

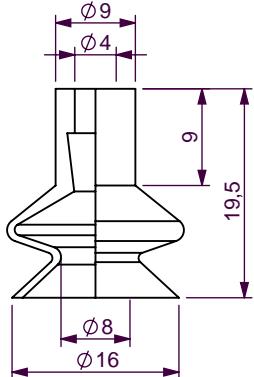


Art. 130.104



1.2 gr
5.0 mm

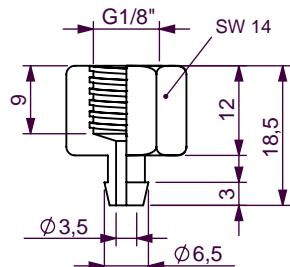
Weitere Materialien auf Anfrage
Further materials on request



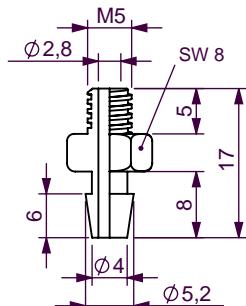
Art. 210.016.030.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

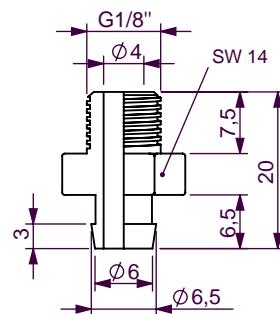
Material CR (sw), S (tr), S-AS (sw), S (r)



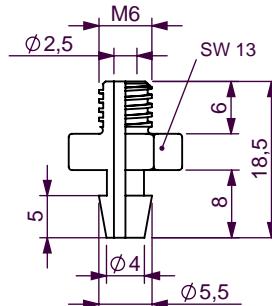
Art. 130.015



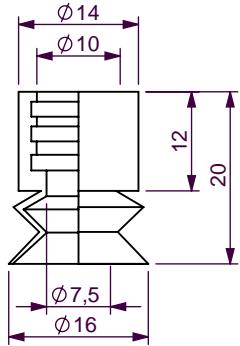
Art. 130.134



Art. 130.003



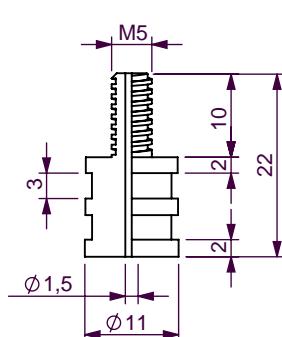
Art. 130.104



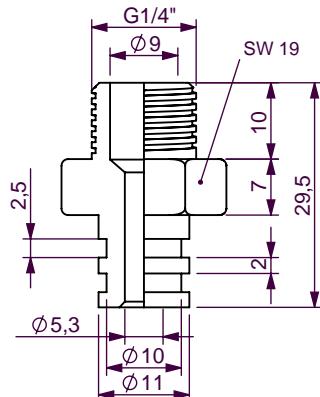
Art. 210.016.063.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NR (sw), S (tr), NR-Soft (b)



Art. 130.244



Art. 130.193

Weitere Materialien auf Anfrage
Further materials on request



1.4 gr

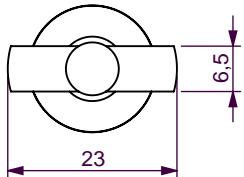
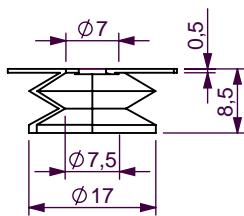
7.0 mm

Weitere Materialien auf Anfrage
Further materials on request



1.6 gr

6.0 mm



Art. 210.017.007.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

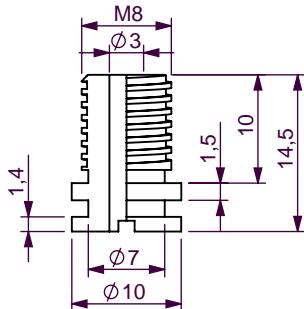
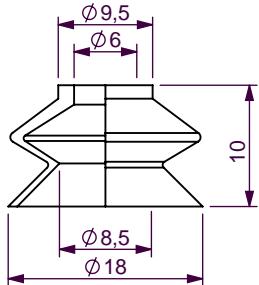
Material NR-Soft (sw)



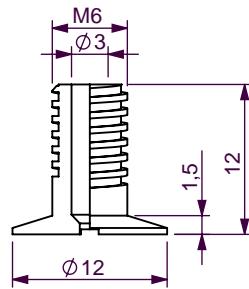
1.0 gr

3.0 mm

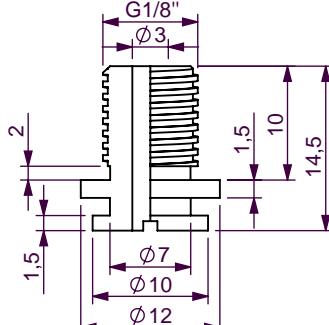
Weitere Materialien auf Anfrage
Further materials on request



Art. 130.040



Art. 130.039



Art. 130.077

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

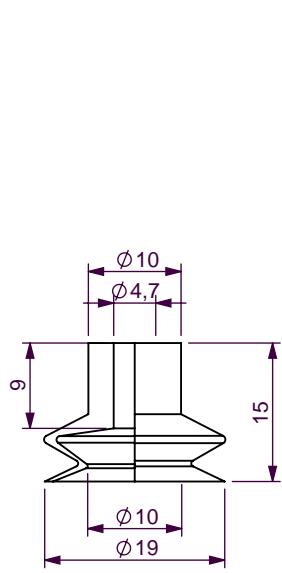
Material NR (sw), S (tr)



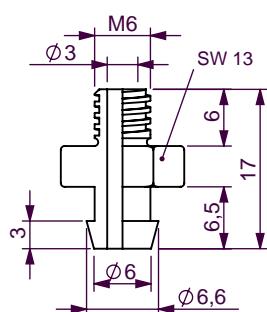
0.8 gr

8.0 mm

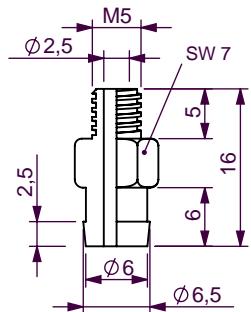
Weitere Materialien auf Anfrage
Further materials on request



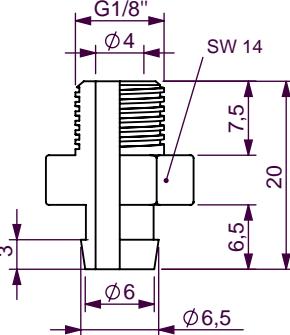
Art. 210.019.044.



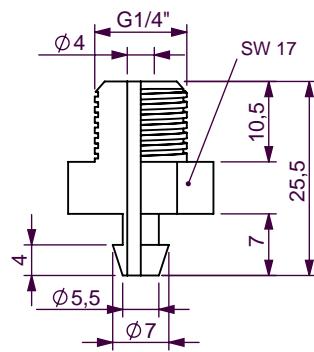
Art. 130.103



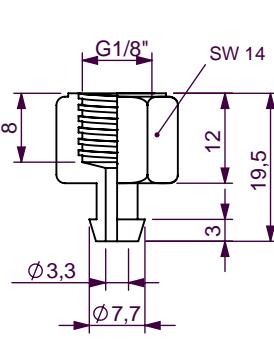
Art. 130.013



Art. 130.003



Art. 130.194



Art. 130.109

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

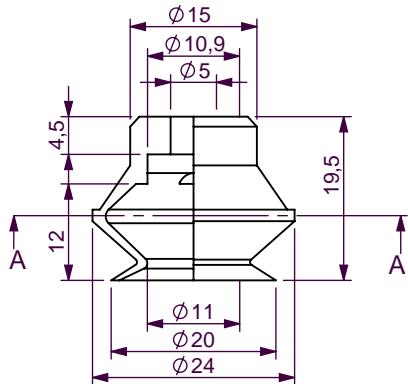
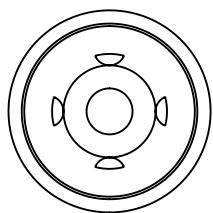
Material NBR (sw), S (tr), HNBR (wr)



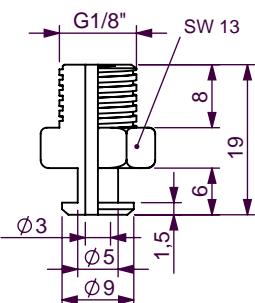
1.7 gr
4.0 mm

Weitere Materialien auf Anfrage
Further materials on request

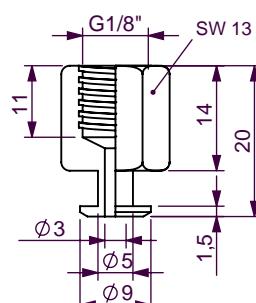
A-A



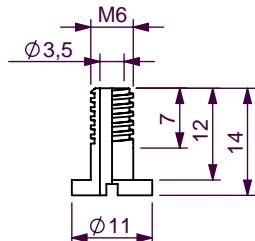
Art. 210.020.054._



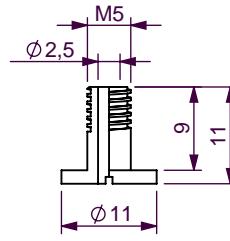
Art. 130.063



Art. 130.061



Art. 130.312



Art. 130.311

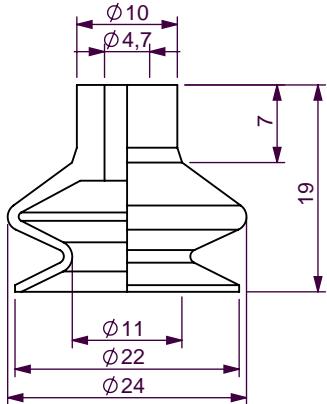
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S (tr), PU (bl)

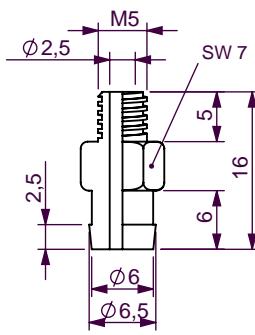


2.7 gr

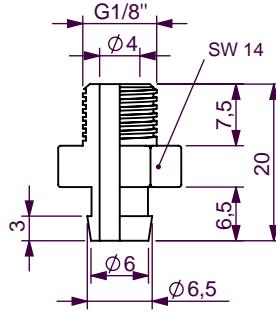
Weitere Materialien auf Anfrage
Further materials on request



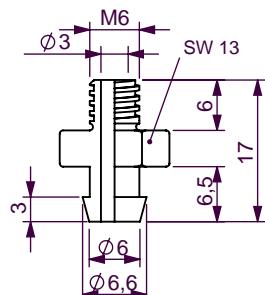
Art. 210.022.021._



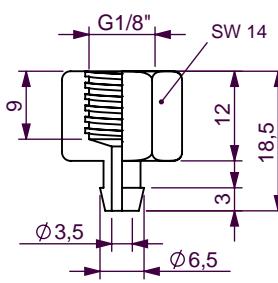
Art. 130.013



Art. 130.003



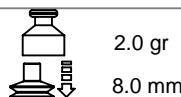
Art. 130.103



Art. 130.015

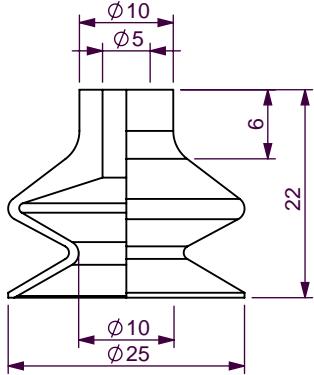
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S (tr), HNBR (wr), Vinyl (bl)

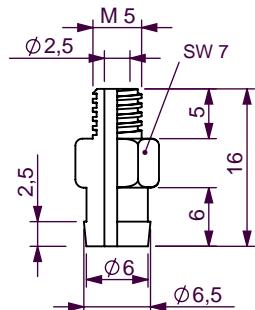


2.0 gr
8.0 mm

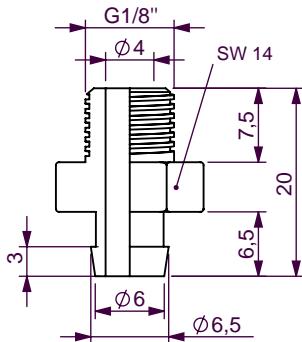
Weitere Materialien auf Anfrage
Further materials on request



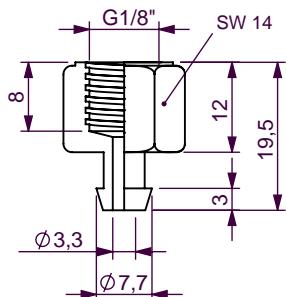
Art. 210.025.004.



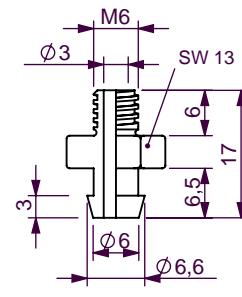
Art. 130.013



Art. 130.003



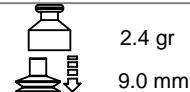
Art. 130.109



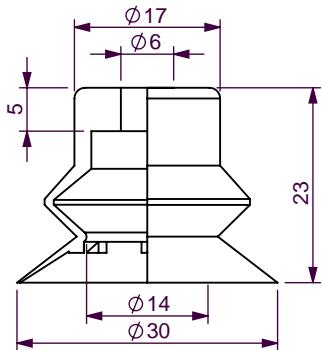
Art. 130.103

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

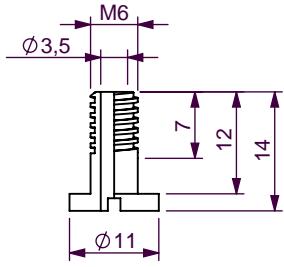
Material NBR (sw), S (tr), NR (gr)



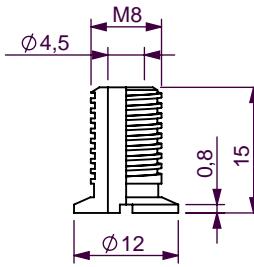
Weitere Materialien auf Anfrage
Further materials on request



Art. 210.030.016.



Art. 130.312



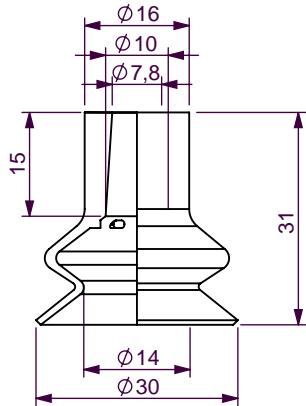
Art. 130.247

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S (tr)



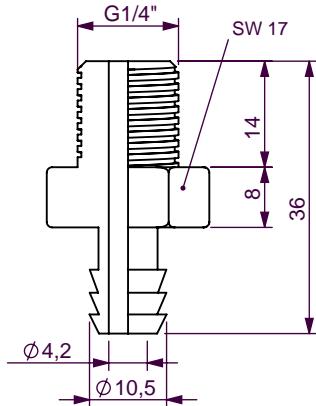
Weitere Materialien auf Anfrage
Further materials on request



Art. 210.030.049.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S (r)



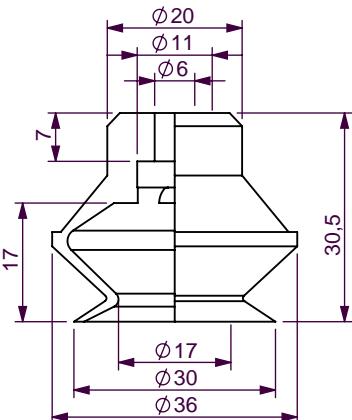
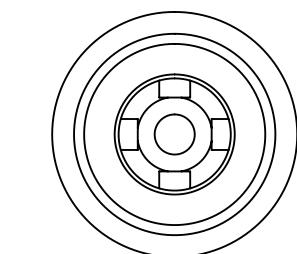
Art. 130.208

Weitere Materialien auf Anfrage
Further materials on request



2.9 gr

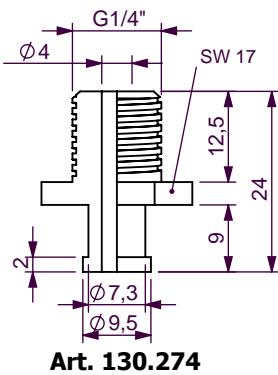
11.0 mm



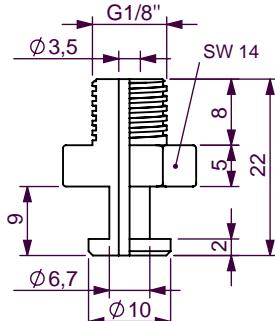
Art. 210.030.055.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

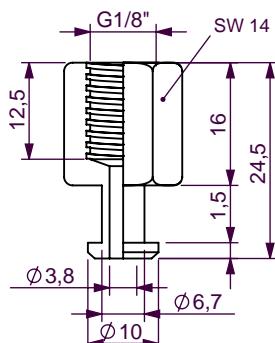
Material NBR (sw), S (tr), PU (bl), HNBR (wr)



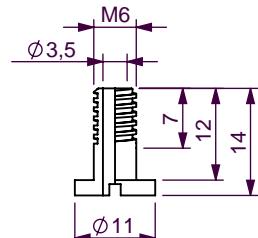
Art. 130.274



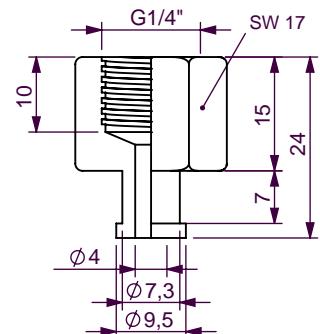
Art. 130.030



Art. 130.019



Art. 130.312



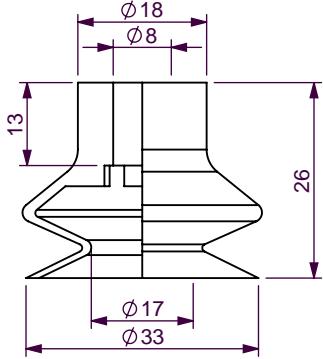
Art. 130.275



9.0 gr

9.0 mm

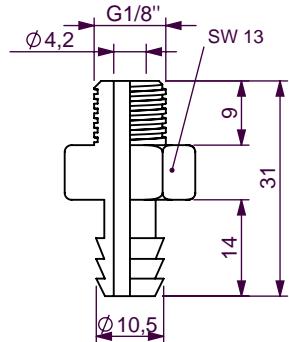
Weitere Materialien auf Anfrage
Further materials on request



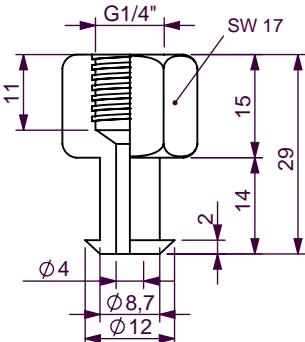
Art. 210.033.022._

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

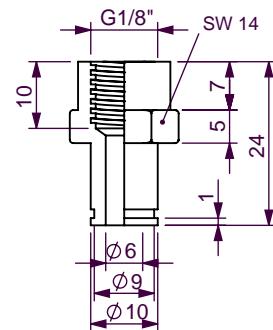
Material NBR (sw), S (tr), S 30⁰, NR (gr), HNBR



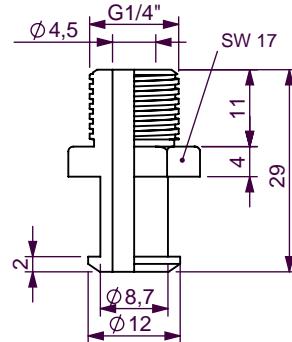
Art. 130.132



Art. 130.192

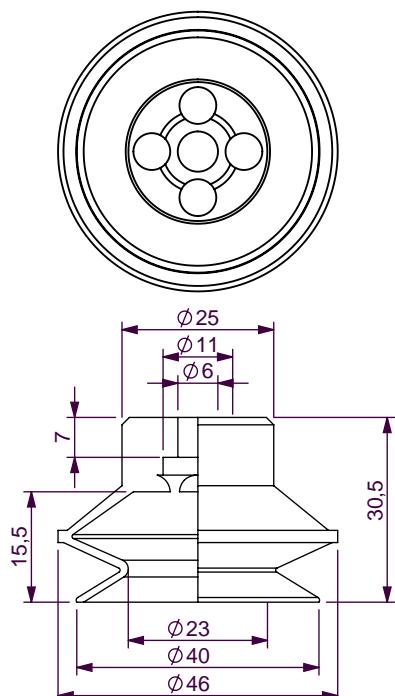


Art. 130.114



Art. 130.190

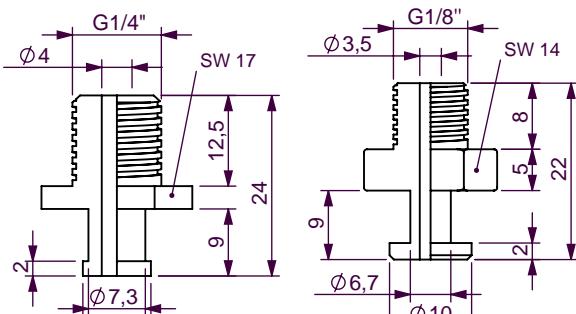
Weitere Materialien auf Anfrage
Further materials on request



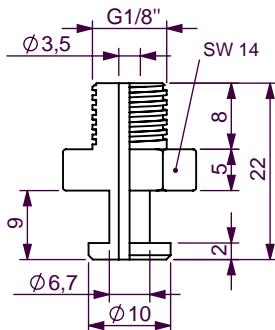
Art. 210.040.056._

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

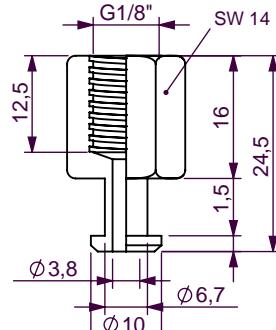
Material NBR (sw), S (tr), PU (bl)



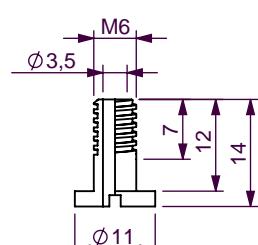
Art. 130.274



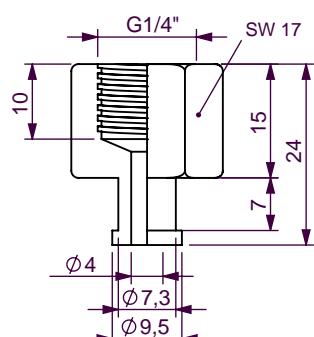
Art. 130.030



Art. 130.019



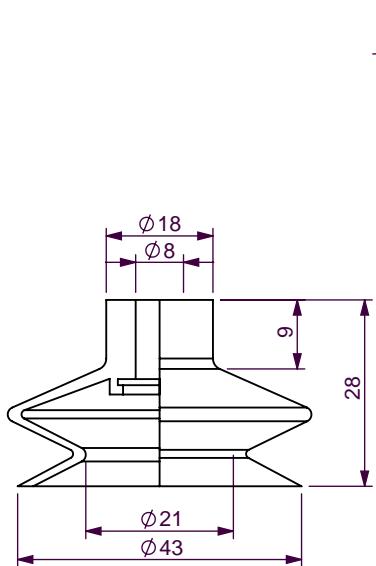
Art. 130.312



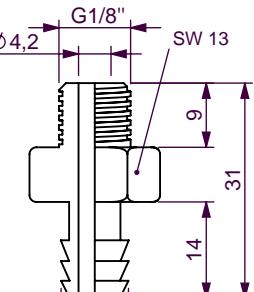
Art. 130.275

15.0 gr
10.0 mm

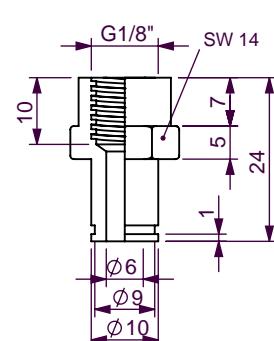
Weitere Materialien auf Anfrage
Further materials on request



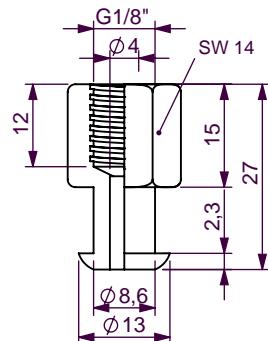
Art. 210.043.005.



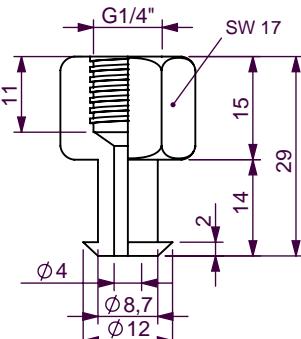
Art. 130.132



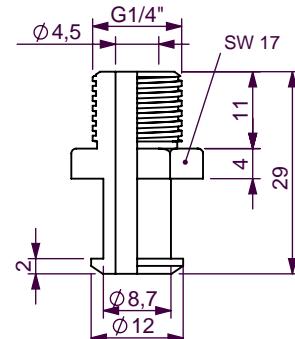
Art. 130.114



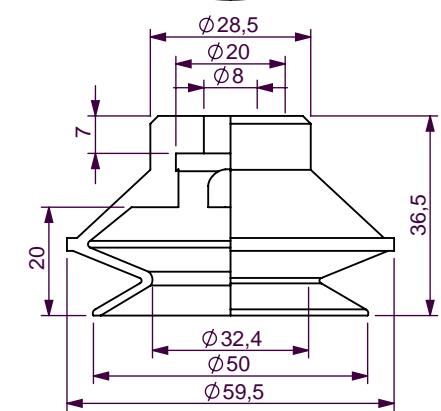
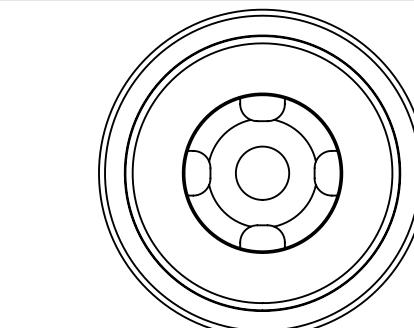
Art. 130.092



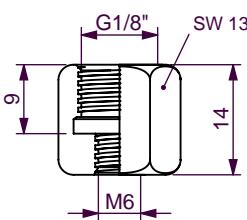
Art. 130.192



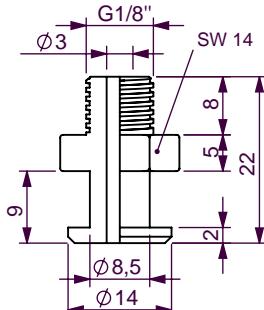
Art. 130.190



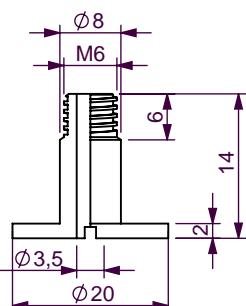
Art. 210.050.057.



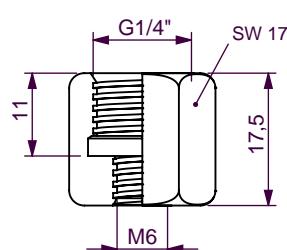
Art. 130.307



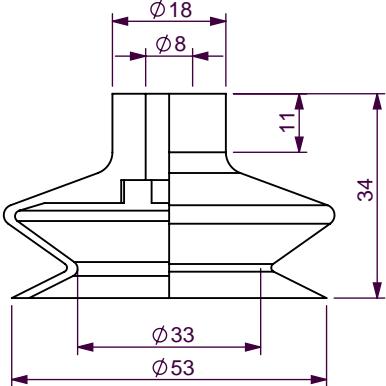
Art. 130.012



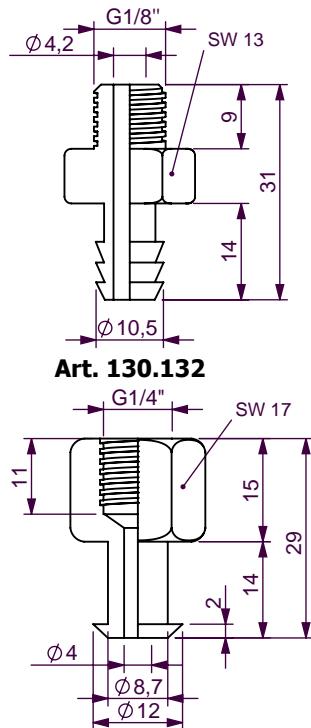
Art. 130.314



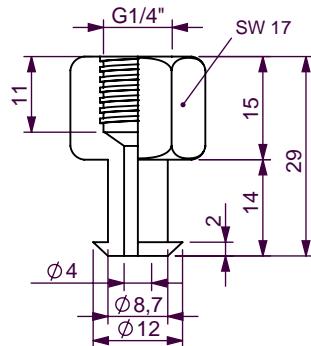
Art. 130.308



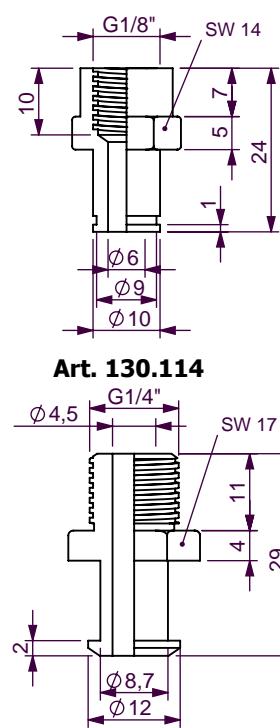
Art. 210.053.017.



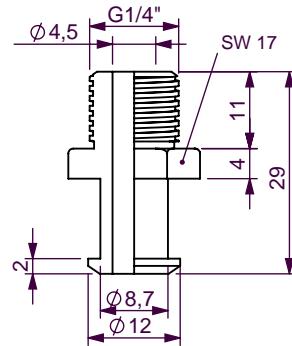
Art. 130.132



Art. 130.192



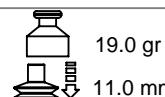
Art. 130.114



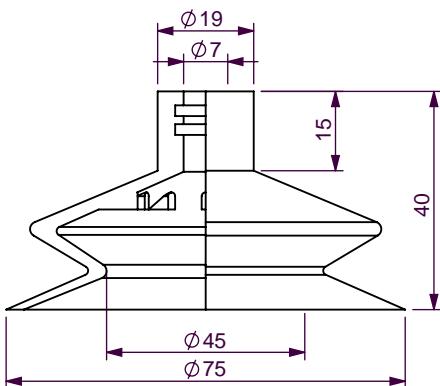
Art. 130.190

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

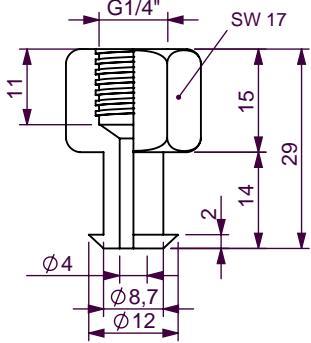
Material NBR(sw), S(tr), PU(bl), NR(gr), HNBR(wr)



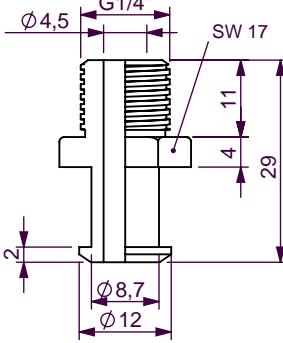
Weitere Materialien auf Anfrage
Further materials on request



Art. 210.075.051.



Art. 130.192



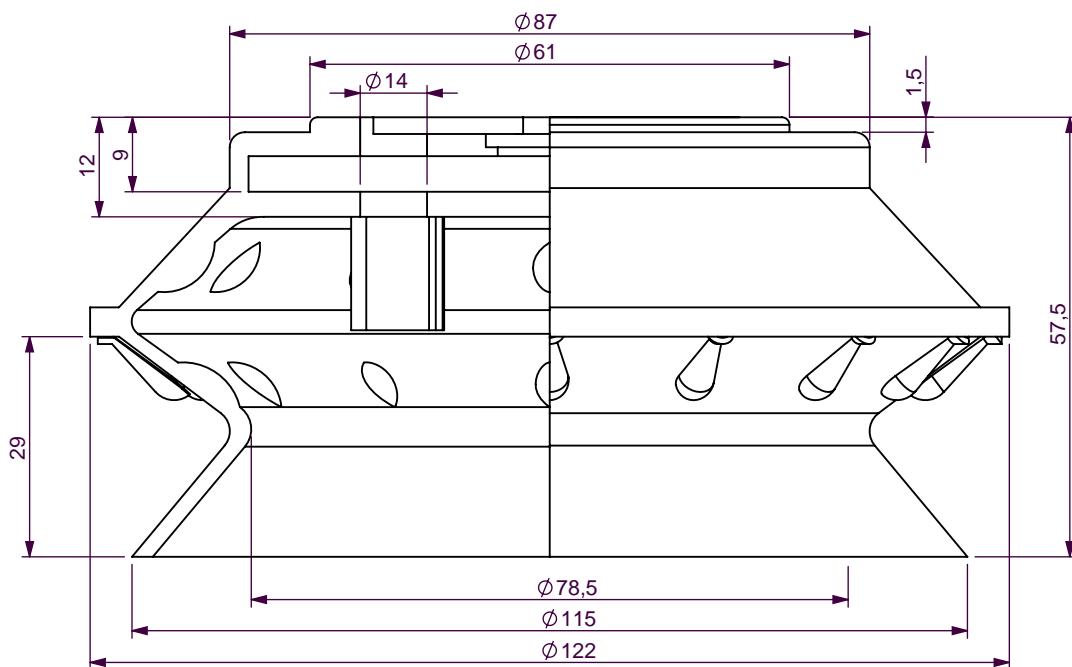
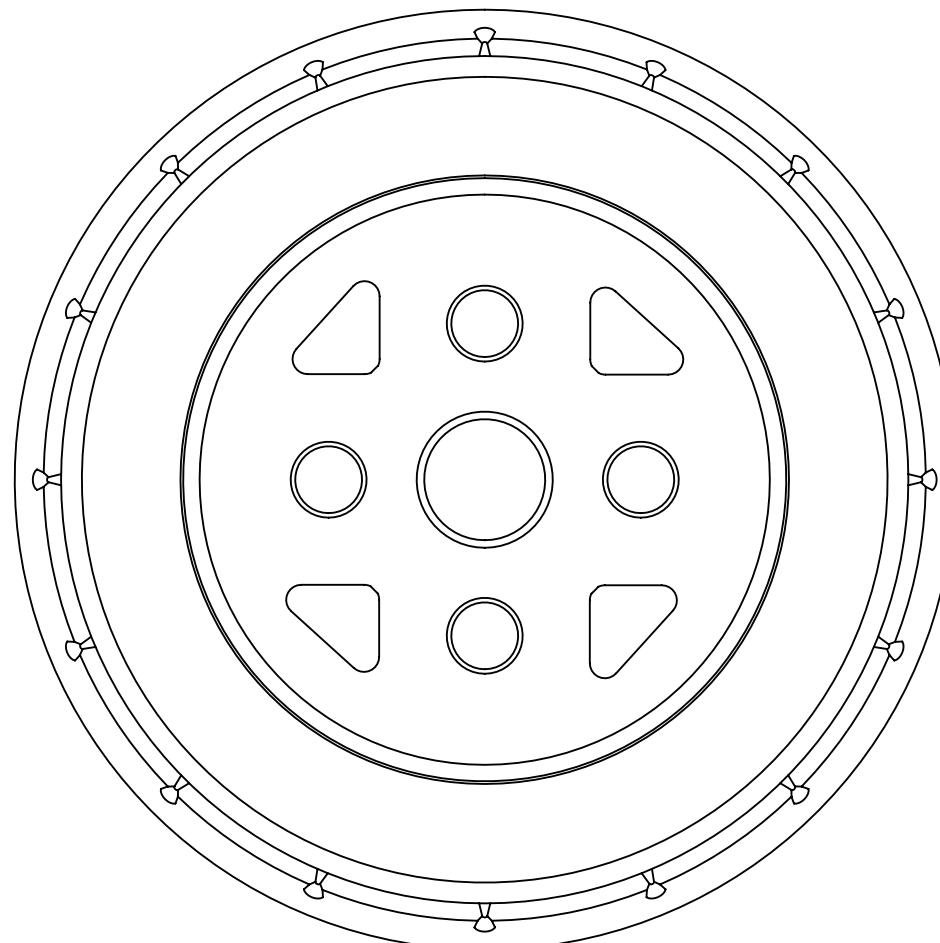
Art. 130.190

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S (r)



Weitere Materialien auf Anfrage
Further materials on request



Art. 210.115.047.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S (tr), PU (bl), HNBR (wr)



300.0 gr



29.0 mm

Weitere Materialien auf Anfrage
Further materials on request

1,5 Falten / 1.5 folds

Ø mm	Art.
6	210.006.074.
7	210.007.046.
7	210.007.077.
7	210.007.168.
8	210.008.160.
9	210.009.166.
9	210.009.202.
10	210.010.080.
10	210.010.081.
11	210.011.082.
11	210.011.140.
11	210.011.141.
11	210.011.176.
13	210.013.201.
15	210.015.012.
15	210.015.084.
16	210.016.009.
16	210.016.156.
16	210.016.203.
17	210.017.200.
18	210.018.071.
18	210.018.097.
18	210.018.149.
18	210.018.178.
19	210.019.155.
20	210.020.041.V
20	210.020.053.V
20	210.020.095.
20	210.020.102.
20	210.020.104.
20	210.020.150.
20	210.020.169.
20	210.020.181.
20	210.020.190.
22	210.022.142.
22	210.022.177.

Ø mm	Art.
22	210.022.182.
25	210.025.137.
25	210.025.151.
25	210.025.154.
27	210.027.167.
28	210.028.164.
30	210.030.061.V
30	210.030.152.
30	210.030.193.
30	210.030.198.
33	210.033.179.
33	210.033.194.
34	210.034.175.
40	210.040.153.
40	210.040.173.
40	213.040.030.
42	210.042.165.
43	211.043.014.
43	212.043.005.
44	210.044.121.
50	210.050.118.
52	210.052.125.V
52	212.052.013.
53	212.053.009.
60	210.060.170.
60	213.060.031.
70	210.070.105.
75	212.075.010.
75	213.075.038.
78	213.078.007.
80	215.080.003.
82	210.082.133.
90	213.090.032.
115	211.115.017.
115	213.115.033.
200	213.200.021.

Ø mm	Art.
200	213.200.022.
200	215.200.006.
210	210.210.135.
285	210.285.172.

2,5 Falten / 2.5 folds

Ø mm	Art.
4,2	220.004.042.
5,5	220.005.017.
5,5	220.005.034.
5,6	220.005.118.
6	220.006.033.
6	220.006.125.
6,5	220.006.018.
6,5	220.006.032.
7	220.007.123.
7,5	220.007.007.
8	220.008.025.
9	220.009.015.
9	220.009.105.
10	220.010.014.
10	220.010.021.
10	220.010.096.
10	220.010.124.
10	220.010.126.
11	220.011.008.
12	220.012.011.
12	220.012.024.
12	220.012.108.
13	220.013.050.
14	220.014.009.
14	220.014.013.
14	220.014.016.
15	220.015.022.
15	220.015.053.
15	220.015.099.

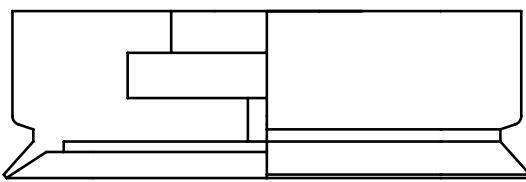
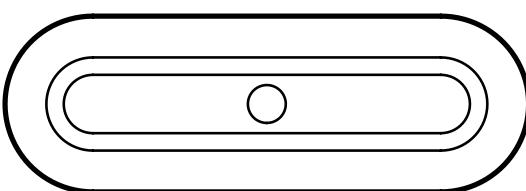
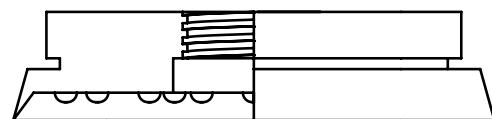
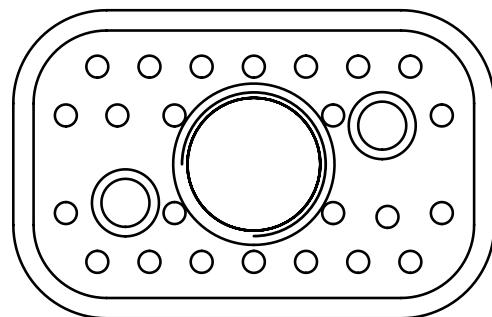
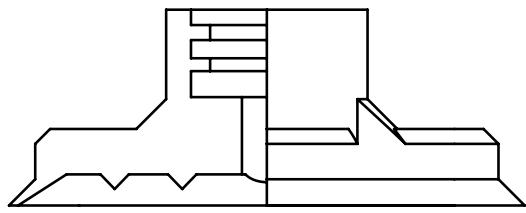
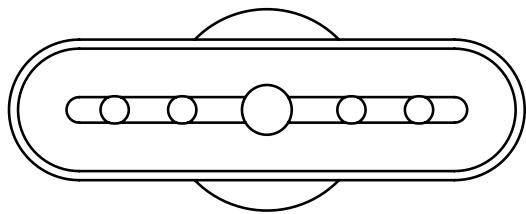
2,5 Falten / 2.5 folds	
Ø mm	Art.
18	220.018.005.
18	220.018.030.V
18	220.018.055.
18	220.018.063.
18	222.018.012.
20	220.020.002.
20	220.020.107.
20	220.020.111.
20	220.020.128.
22	220.022.097.
22	220.022.121.
22	220.022.122.
23	220.023.067.
25	220.025.031.
25	220.025.069.
25	220.025.113.
26	220.026.110.
28	220.028.109.
31	220.031.115.
32	220.032.003.
32	220.032.058.V
32	220.032.104.
32	221.032.009.
32	222.032.007.
34	220.034.112.
37	220.037.116.
40	220.040.040.
43	220.043.004.
48	220.048.095.
51	220.051.117.
60	220.060.027.
60	220.060.100.
62	220.062.035.
62	221.062.002.
62	222.062.009.
85	220.085.091.

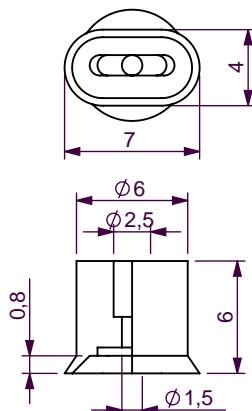
3,5 Falten / 3.5 folds	
Ø mm	Art.
14	230.014.013.
18	230.018.014.
25	230.025.001.
30	230.030.005.
30	230.030.023.
32	230.032.015
32	230.032.016.
40	230.040.024.
50	230.050.025.

4,5 Falten / 4.5 folds	
Ø mm	Art.
10	240.010.028.
20	240.020.002.
24	240.024.029.
25	240.025.016.
25	240.025.030.
40	240.040.001.
40	240.040.022.
41	240.041.031.
102	240.102.027.

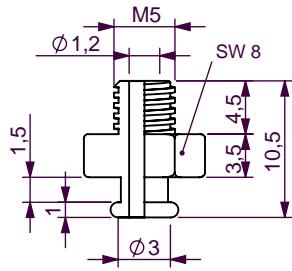
5,5 Falten oder mehr / 5.5 folds or more	
Ø mm	Art.
32	250.032.012.

IV - Oval- Rechtecksauger / oval- rectangular vacuum cups

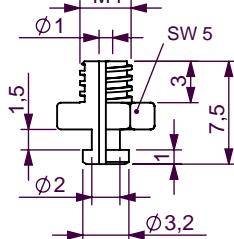




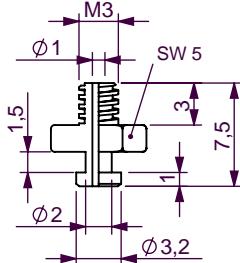
Art. 30.007004.005.



Art. 130.300



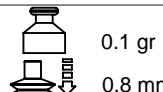
Art. 130.111



Art. 130.014

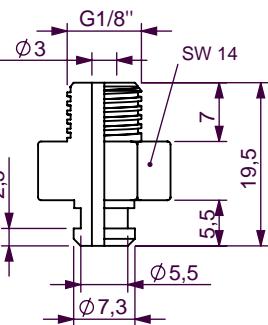
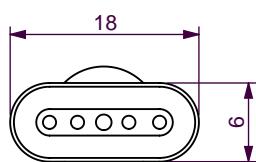
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S(tr), NBR-AS(sw), PU(bl), S-AS(sw)

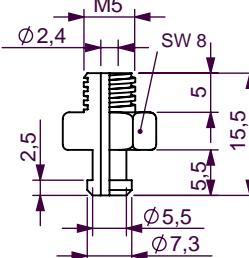


Weitere Materialien auf Anfrage
Further materials on request

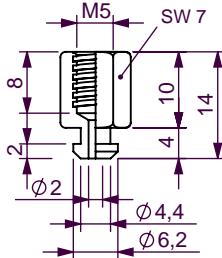
0.1 gr
0.8 mm



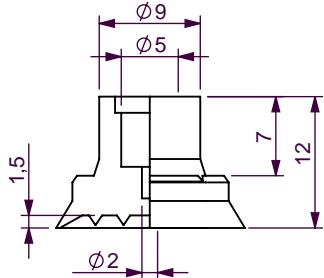
Art. 130.095



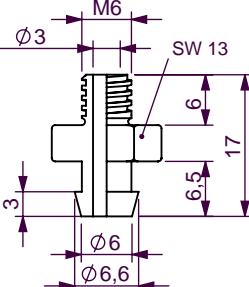
Art. 130.094



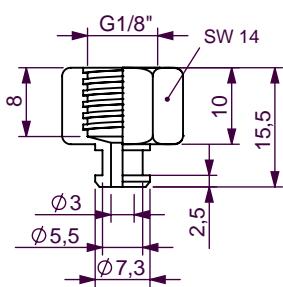
Art. 130.005



Art. 30.018006.018.



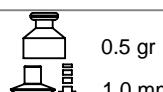
Art. 130.103



Art. 130.096

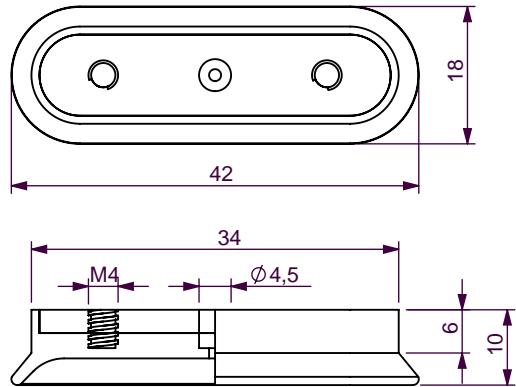
Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S (r)



Weitere Materialien auf Anfrage
Further materials on request

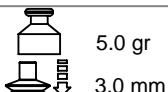
0.5 gr
1.0 mm



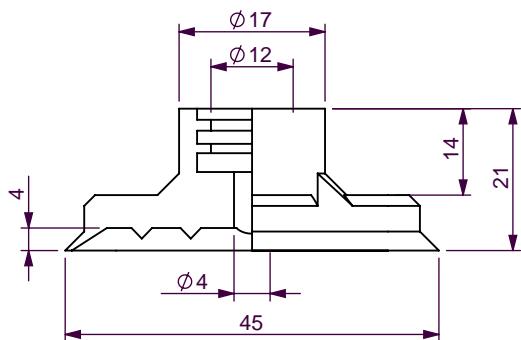
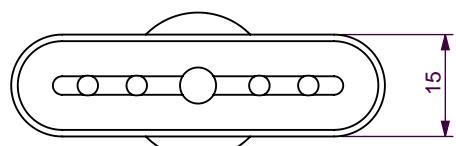
Art. 33.042018.033.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (gr), S (tr), PU (tr), SBR (sw)



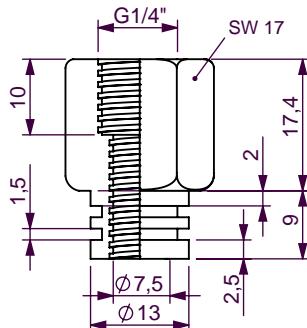
Weitere Materialien auf Anfrage
Further materials on request



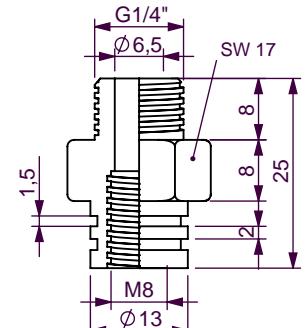
Art. 30.045015.022.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

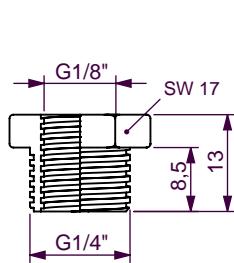
Material NBR (sw), S (r)



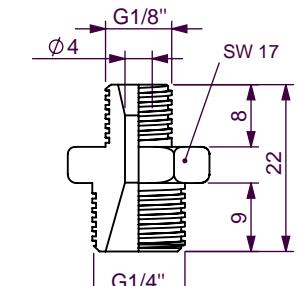
Art. 130.098



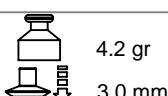
Art. 130.097



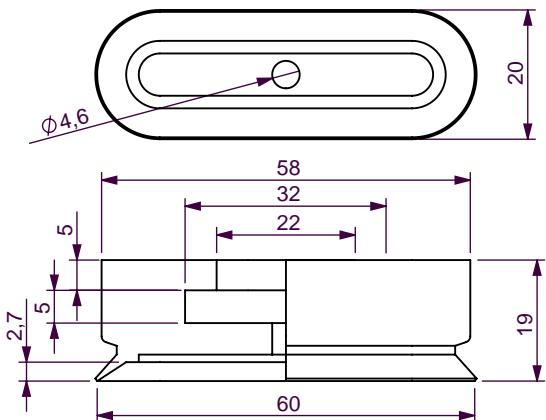
Art. 130.245



Art. 130.181



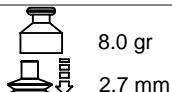
Weitere Materialien auf Anfrage
Further materials on request



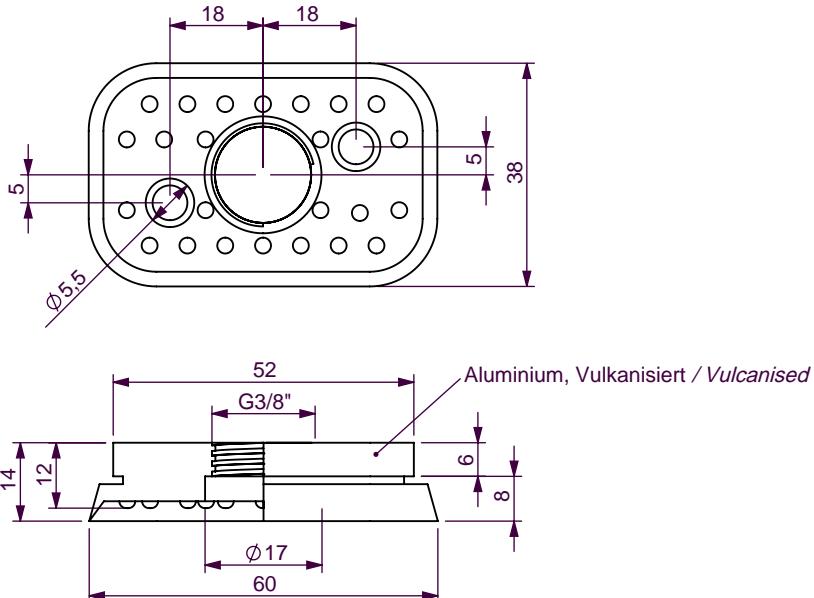
Art. 30.060020.069._

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S (tr)



Weitere Materialien auf Anfrage
Further materials on request



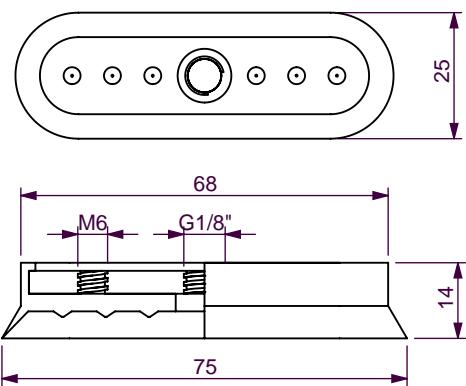
Art. 33.060038.002._

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (gr)



Weitere Materialien auf Anfrage
Further materials on request



Art. 33.075025.022.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

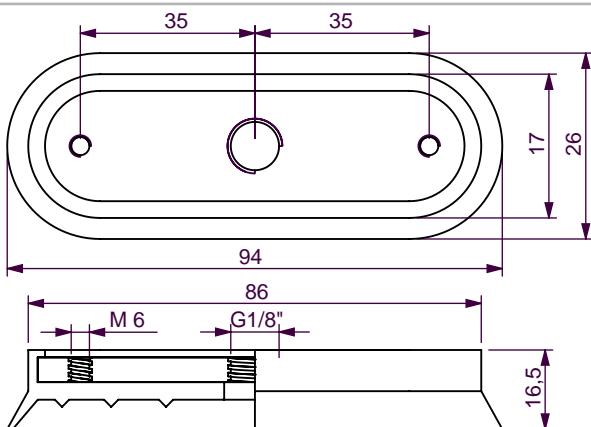
Material NBR (sw), S(r)



23.0 gr

Weitere Materialien auf Anfrage
Further materials on request

5.0 mm



Art. 33.096027.023.

Art. bei Bestellung mit angegebenem Material ergänzen
When ordering add indicated material

Material NBR (sw), S (r)



30.0 gr

Weitere Materialien auf Anfrage
Further materials on request

6.5 mm



Rechteck- Ovalsauger

Weitere Rechteck- Ovalsauger-flach, die nicht in diesem Katalog dargestellt sind

Oval-/rectangular vacuum cups

Additional Oval-/rectangular vacuum cups- flat which aren't represented in this catalogue

Abmessung / Dimension in mm	Art.
50 x 20	33.050020.005.
53 x 12	30.053012.071.
85 x 28	33.085028.042.
90 x 50	30.090050.066.
90 x 50	33.090050.037.
190 x 90	33.190090.004.03/40
190 x 90	33.190090.034.
200 x 30	33.200030.021.
200 x 55	33.200055.027.
200 x 55	33.200055.039.
200 x 55	35.200055.027.
280 x 100	33.280100.043.
280 x 100	35.280100.001.
280 x 100	35.280100.033.
300 x 55	33.300055.029.
300 x 55	35.300055.035.
300 x 120	35.300120.041.
400 x 80	33.400080.031.
450 x 156	33.450156.035.
820 x 420	33.820420.003.

V - Spezialformen / Special shapes of cups

Oval-/Rechteck-Balgensauger Oval-/rectangular vacuum bellows cups	
Abmessungen/ Dimensions in mm	Art.
25 x 15	40.025015.010.
60 x 21	40.060021.020.
60 x 29	40.060029.014.

CD/DVD-Sauger CD/DVD cups	
Ø in mm	Art.
20	RC.020.004.02
24	RC.024.033.02
24,3	RC.024.005.02
25	RC.025.009.02
29,2	RC.031.022.02
30,5	RC.031.023.02
30,7	RC.031.010.02
30,7	RC.031.010.02AS
31	RC.031.011.02
31,4	RC.031.024.02
31,4	RC.031.025.02
31,5	RC.032.027.02
31,5	RC.032.029.02
32	RC.032.012.02
32,6	RC.033.015.02
33	RC.033.034.
33,4	RC.033.013.02
33,4	RC.033.013.02AS
33,9	RC.033.014.02
34	RC.034.021.02
34	RC.034.026.02
35	RC.035.017.02
38,8	RC.037.018.02
44,5	RC.046.019.02R
110	RC.114.020.02
Segment	RC.013.001.02
Segment	RC.017.002.02
Segment	RC.017.003.02
Segment	RC.031.028.02
Segment	RC.037.036.

V - Spezialformen / Special shapes of cups

Seifensauger <i>Soap vacuum cups</i>	
Abmessungen/ <i>Dimensions in mm</i>	Art.
55x35	SOA.55x35.001.
55x35	SOA.55x35.005.
60x42	SO.60x42.001.
60x43	SO.60x43.002.
60x45	SO.60x45.003.
60x48	SO.60x48.004.
62x41	SOA.62x41.002.
62x44	SO.62x44.005.
68x46	SOA.68x46.003.
82x55	SOA.82x55.004.

Eier-Sauger <i>Egg vacuum cups</i>	
Ø in mm	Art.
34	ES.034.004.
35	ES.035.006.
36	ES.036.009.12
37	ES.037.010.

Produktionsprogramm

Wir produzieren Vakuumsauger von kleinsten Mengen bis zu Großserien in konstanter Qualität, zu wirtschaftlichen Preisen - weltweit.

Die MORALI GmbH hat nicht nur ein umfassendes Standardprogramm, sie ist auch kompetenter Partner für Problem- und Sonderlösungen

Wir fertigen Vakuumsauger nach Kundenwunsch und bringen hierzu große Erfahrung und intensives fachliches Wissen mit.

Vakuumsauger-Materialien

NBR, Naturgummi, Silikon, Polyurethan, FKM (Viton®), Chloropren, HNBR, EPDM, Vinyl, SBR; antistatische Sauger aus Silikon oder NBR

Zusätzlich im Produktionsprogramm

Wir sind Hersteller von Vakuumsaugern und liefern seit langen Jahren in folgende Industriebranchen:

- Automatisierung/Robotik
- Automobil
- CD/DVD
- Druck- und Papier
- Elektronik
- Glas
- Holz/Möbel
- Keramik/Porzellan
- Kosmetik
- Kunststoff
- Lebensmittel/Getränke
- Medizin
- Molkereien
- Solar
- Sondermaschinenbau
- Steinbearbeitung
- Verpackung

Flachsauger

von Ø 1 bis Ø 1000 mm und größer



Balgensauger

von Ø 4 bis Ø 400 mm und größer



Oval-/Rechtecksauger

von 4 x 2 bis 400 x 1000 mm



Saugerzubehör

Anschlussteile, Saugerträger gefedert oder starr, Strömungsventile, Tastventile



Spezialsauger

- Hochtemperatursauger (bis + 550°C) mit Filzbeschichtung von Ø 25 mm bis Ø 350 mm,
- Detektierbare Vakuumsauger für die Backindustrie
- Abdruckfreie Flach-, Balgen- und Ovalsauger ab Ø 8 mm (auf Anfrage)

Vakuumzubehör

Wir liefern auch:
Vakuumejektoren,
Vakuumventile, Filter,
Spezial-Vakuumschläuche, Quickanschlüsse

Vakuumhubzylinder

in 5 Baugrößen



System-Greifzangen

(mit und ohne Abfrage)



Line of Products

We make vacuum cups, from mini-batches to large series, with consistently high quality, at reasonable prices.

MORALI GmbH not only has an extensive line of standard products but is also your competent partner for special solutions - worldwide

We also make vacuum cups to customers' specifications, putting our extensive experience and technical expertise at your service.

We are vacuum cups manufacturer and deliver to long years in the following industries:

- Automation/robotics
- Automotive
- CD/DVD
- Printing and paper
- Electronics
- Glass
- Wood/furniture
- Ceramics/porcelain
- Cosmetics
- Plastics
- Foodstuffs/beverages
- Medicine
- Dairy
- Solar
- Special-purpose machinery
- Stone working
- Packaging

Flat Vacuum Cups

from Ø 1 to Ø 1000 mm and larger



Bellows Vacuum Cups

from Ø 4 to Ø 400 mm and larger



Vacuum-Cup Materials

NBR, natural rubber, silicone, polyurethane, FKM (Viton®), chloroprene rubber, HNBR, EPDM, vinyl, SBR; antistatic suction cups of silicone or NBR

Oval-/Rectangular Vacuum Cups

from 4 x 2 to 400 x 1000 mm



Vacuum-Cup Accessories

Fittings, rigid or spring-loaded cup levelers, flow valves, plunger valves



Additional Products

Special-Purpose Vacuum Cups

- High-temperature cups (up to +550°C) with felt coating from 25 to 350 mm dia.,
- Detectable vacuum cups for bakery industry
- No marking flat, bellows and oval suction cups from 8 mm dia. (on request).

Vacuum Lifting Cylinders

in five different sizes



Vacuum Accessories

We also supply:
Vacuum generators,
vacuum valves, filter,
special vacuum hoses,
quick-release fittings

Dedicated Grippers

(with and without query)

