

Convincing vacuum technology for automated production processes



w e l t w e i t
w o r l d w i d e
e f f e k t i v
e f f e c t i v e
a k t i v
a c t i v e

Automatisierung / Robotik

Automation/robotics

Automobil

Automotive

CD / DVD

CD/DVD

Druck- und Papier

Printing and paper

Elektronik

Electronics

Glas

Glass

Holz / Möbel

Wood/furniture

Keramik / Porzellan

Ceramic/porcelain

Kosmetik

Cosmetics

Kunststoff

Plastic

Lebensmittel / Getränke

Food/drinks

Medizin

Medicine

Molkereien

Dairies

Solar

Solar

Sondermaschinenbau

Special mechanical engineering

Steinbearbeitung

Stone processing

Verpackung

Packaging

Gerne berate ich Sie.

Meine Kontaktdaten
sowie unsere digitalen Kataloge
finden Sie auf dem USB-Stick:

Aufgeklebte Plastikhülle
Hier kommt Vistenkarten und USB Stick rein



Zahlen & Fakten

facts & figures

Produkte:

- Produktion kundenspezifischer Vakuumsauger, Vakuumszubehör und Greiferkomponenten (EOAT) in Groß- und Kleinserien

Zielgruppe:

- Handelsunternehmen, Endverbraucher, Ingenieurbüros und Entwicklungsabteilungen im Sondermaschinenbau, sowie andere Industriezweige, Universitäten und Forschungseinrichtungen

Märkte:

- Überwiegend Deutschland und europäisches Ausland, sowie weltweit

Unternehmen:

- Hauptsitz, Vertrieb und Lager in Rottweil
- Technischer Support in Hallbergmoos
- 50 Mitarbeiter

Aktuelle Projekte:

- Individuallösungen aufgrund kundenspezifischer Vorgaben
- Stetige Weiterentwicklung und Ausbau der Produktpalette
- Weitere Erschließung internationaler Märkte

Historischer Abriss:

- 1994 Gründung des Unternehmens in Rottweil
- 2006 Übernahme der Geschäftsleitung durch den derzeitigen Geschäftsführer Herr Mehmet Morali
- 2007 Eröffnung des Technischen Supports in Hallbergmoos, Nähe München
- 2011 Einstieg in weitere Geschäftsfelder (Produktion Greiferkomponenten, Vertrieb von Komponenten für Automationslösungen)

Products:

- Production of customised Vacuum cups, vacuum accessories and Gripper components (End-of-Arm-Tooling) in large and small series

Target Group:

- Trading companies, End Users, Engineering Offices and development departments in the special mechanical engineering as well as other industrial branches, universities and research facilities

Markets:

- Predominantly Germany and European countries, as well as worldwide

Company:

- Head office, distribution and stock Department in Rottweil
- Technical Support in Hallbergmoos
- 50 Employees

Topical projects:

- Individual solutions on account of customised requirements
- Steady, on-going development and extent the range of products
- Beyond this, Nanogate's focus is on continuing the activities to open up international markets

Historical background:

- 1994 Foundation of the company in Rottweil
- 2006 Takeover of the management by the present CEO Mr. Mehmet Morali
- 2007 Opening of the technical Support in Hallbergmoos, near Munich
- 2011 Investing in other business segments (production of gripper components, Distribution of components for automation solutions)



Morali Team

Morali team

Wir sprechen gerne mit Ihnen auf

- arabisch
- bengalisch
- deutsch
- englisch
- französisch
- italienisch
- niederländisch
- polnisch
- serbokroatisch
- spanisch
- türkisch

Morali Produktionstechnik GmbH

Stadtweg 30
D-78658 Zimmern ob Rottweil
Phone: +49 741 - 17 52 60-0
Fax: +49 741 - 17 52 60-29
Email: info@morali-gmbh.de
www.morali-gmbh.de

FAQ

Email: contact@morali-gmbh.de

Geschäftsführer

Mehmet Morali
E-Mail: m.morali@morali-gmbh.de
Phone: +49 (0)17 16 55 61 26

Teamleitung

Meriem Falah
E-mail: m.falah@morali-gmbh.de
Mobile: +49 (0)152 22 86 56 02

Vertrieb

Recep Gündem
E-mail: r.gundem@morali-gmbh.de
Phone: +49 (0)741-17 52 60 24
Mobile: +49 (0)17 43 47 45 75

Sonja Reinders
E-mail: s.reinders@morali-gmbh.de
Phone: +49 (0)741-17 52 60 10
Mobile: +49 (0)1727 37 65 86

Hajar Aithammou
E-mail: h.aithammou@morali-gmbh.de
Phone: +49 (0)240 - 49 76 19-16
Mobile: +49 (0)152-03 77 70 77

Marco Mariotti
E-mail: m.mariotti@morali-gmbh.de
Phone: +49 (0)741-17 52 60 00
Mobile: +49 (0)17 24 83 49 20

Thomas Klaschka
E-mail: t.klaschka@morali-gmbh.de
Phone: +49 (0)394-85 61 451
Mobile: +49 (0)171 762 49 28

Entwicklung & Technik

Christoph Gassmann
E-mail: c.gassmann@morali-gmbh.de
Phone: +49 741 175260-16

Handelsvertreter Polen

Robert Giergiel
E-Mail: r.giergiel@morali-gmbh.de
Phone: +49 (0)741-17 52 60-13
Mobile: +49 (0)176-21 61 11 85

MORALI Türkei

MORALI ROBOTİK TUTUCU SİSTEMLERİ
LTD. ŞTİ.
Web: morali-gmbh.de
E-mail: m.celik@morali-gmbh.de
Mobile: +90 545 466 86 81
Mobile: +90 546 466 86 89
Fax: +90 (0)212 269 30 79





MORALI

Unser Knowhow

Die Firma **Morali** produziert Vakuumsauger und das entsprechende Zubehör für unzählige Anwendungen in der Automatisierung zu wirtschaftlichen Preisen.

Als einer der weltweit größten Hersteller verfügen wir über ein außerordentlich vielfältiges Standardprogramm an Vakuumsaugern und bringen unser Know-how auch zum Ausdruck bei Innovationen, wie z. B. bei unseren SolarVAC, FolienVAC und vielen weiteren Spezialsaugern.

Die Firma **Morali** Produktionstechnik GmbH mit großer Erfahrung in der Automatisierungstechnik, hat sich auf die Herstellung von hochwertigen Vakuumsaugern spezialisiert und ist international auf dem Markt aktiv.

Wir bieten Ihnen:

- *Hochwertige Vakuumsauger direkt vom Hersteller zu besonders guten Konditionen*
- *Umfangreiches Standardsortiment und individuelle Sonderlösungen*
- *Technischer Beratungsservice auf all Ihre Fragen*

Wir freuen uns Sie in Zukunft bei Ihren Projekten unterstützen zu können und erwarten gerne Ihre Anfrage.

Ihr **Morali** Team

w e l t w e i t
w o r l d w i d e

e f f e k t i v
e f f e c t i v e

a k t i v
a c t i v e



MORALI

Our Knowhow

The company **Morali** produces vacuum cups and the corresponding accessories for innumerable applications in the automation at economic prices.

We dispose of an exceptionally various standard program as one of the worldwide biggest manufacturers at vacuum cups and also express our know-how at innovations, as e.g. at our SolarVAC, FoilVAC and many further special cups.

The company **Morali Produktionstechnik GmbH** with great experience in the automation engineering has specialized in the production of high-quality vacuum cups and is internationally active on the worldwide market.

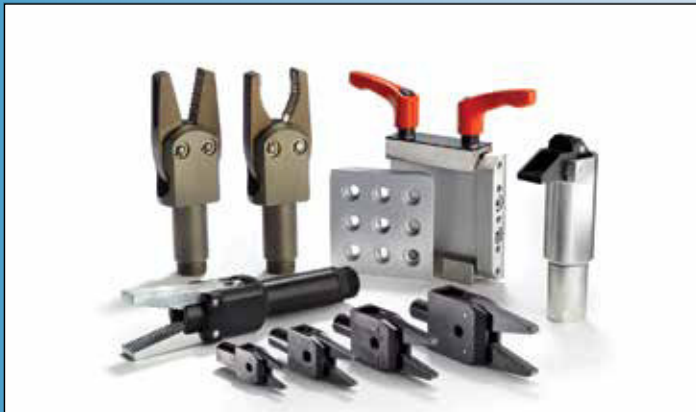
Our service:

- high-quality vacuum cups directly from the manufacturer to particularly good conditions
- extensive standard assortment and individual special solutions
- technical consultancy services on all your questions

We are pleased to be able to support you at your projects in future and look forward to your inquiry.

Your **Morali** Team

Sauger und Endeffektoren



Endeffektoren

EOAT Elemente sind unverzichtbare Komponenten, wenn mittels Greifersystemen kundenorientierte Handhabungsprozesse, Teileentnahme, Vereinzelung und Einlegen von Produkten realisiert werden sollen.

Die Morali Produktionstechnik GmbH bietet jetzt zusätzlich zu dem umfassenden Vakuumsaugerprogramm auch Greiferteile an, wie auf nebenstehender Abbildung dargestellt.

Wir stellen Ihnen eine Auswahl an Einzelkomponenten zur Eigenkonstruktion zur Verfügung, ausgehend von Schnellwechselsystemen, Klemm- und Verbindungselementen bis hin zu Greiffingern und Greifzangen.

End-of-Arm-Tooling (EOAT)

EOAT Elements are essential components used by grip arm systems for customer oriented handling processes, which include, part withdrawal, sorting and insertion.

The company Morali produktionstechnik GmbH, offers a comprehensive vacuum program and EOAT parts, as the following picture shows.

We offer a wide selection of components for testing purposes, from quick changing systems, clamp elements and connecting elements to grab fingers and grippers.



Vielfalt an Vakuumsaugern

Vakuumsauger kommen überall dort zum Einsatz, wenn Objekte angehoben, transportiert, selektiert, positioniert, umgesetzt oder festgehalten werden sollen. Die Verbindung von Vakuumanlagen und Vakuumsaugern ist Teil jeder modernen Produktionsstätte, da hierdurch eine perfekte und fließende Handhabung gewährleistet wird. Vakuumsauger verbessern den täglichen Produktionsablauf wie folgt:

- sanftes und beschädigungsfreies Greifen
- einfache Montage
- bei Verschleiß leicht zu wechseln
- wirtschaftlich im Preis

Unterschiedliche Einsatzbereiche setzen unterschiedliche Saugergeometrien, Materialien und Befestigungen voraus.

Wir liefern Flachsauger, Balgensauger, Ovalsauger, Spezialsauger, Saugscheiben, Anschlussteile u. Federstößel.

Variety of vacuum cups

Vacuum cups are the most important parts to vacuum plants since they can be used for the handling of products versatily. They can be used everywhere there, where it is necessary to raise objects to transport, to select, to place, to convert or to hold tight.

The connection of vacuum systems and vacuum cups is part of every modern push button factory, through this a perfect and fluent utilization is guaranteed. Vacuum cups improve the production process as follows:

- Gentle gripping free of damage
- Easy to assemble
- Easy to replace
- at economical prices

Different areas of application mean different cup geometries, materials and connections.

We deliver flat, bellow, oval, special cups, rubber discs, connection parts and spring levelers.



Cups and End-Of-Arm-Tooling



Multiflex Vakuumsauger

Mit diesem speziell entwickeltem Material bieten wir eine Vakuumsauger-Serie mit den besten Materialeigenschaften an, die derzeit auf dem Markt verfügbar ist.

- Außergewöhnlich hohe Verschleißfestigkeit
- Stabiler Balgenbereich – 60° Shore
- Flexible Dichtlippe – 30° Shore
- Erhältlich in 1,5 und 2,5 Falten
- Zahlreiche Durchmesser von Ø 15 bis Ø 70 mm verfügbar
- Exzellentes Rückstellverhalten
- Für unebene Oberflächen geeignet
- Abdruckfreiheit
- Öl- und Ozonbeständigkeit

Multiflex Vacuum Cups

We offer a series of vacuum cups with custom made materials. The material properties include:

- Extremely high wear-resistance
- Stable bellows area - 60° Shore
- Flexible sealing lip - 30° Shore
- Available in 1.5 and 2.5 folds
- Numerous diameters from Ø 15 to Ø 70 mm available
- Excellent set back behavior
- suitable for uneven surfaces
- No Antimarking ?
- Oil and ozone permanence



Materialpalette Vakuumsauger

Neben den Standardmaterialien NBR, Silikon und Naturkautschuk liefern wir viele unserer Vakuumsauger außerdem in Polyurethan, Chloropren, HNBR, FKM (Viton®), SBR, Vinyl, EPDM und in anti-statischem NBR und Silikon. Vakuumsauger und Material werden nach Anwendungsart und Produktionsablauf ausgewählt, um bestmögliche Ergebnisse und eine lange Lebensdauer zu ermöglichen

Aufgrund der Komplexität der diversen Anwendungsfälle stehen Ihnen unsere Mitarbeiter beratend zur Seite und helfen Ihnen bei der richtigen Material- und Saugerauswahl.

Overview Materials Vacuum Cups

In addition to the standard materials Nitrile, silicone and natural rubber we deliver many of our vacuum cups in polyurethane, chloroprene, HNBR, FKM (Viton®), SBR, vinyl, EPDM and in antistatic NBR and silicone.

Vacuum cups and materials are chosen by utilization to allow the best possible results and a longer service life.

Our employees are happy to help you in finding the right materials and vacuum cups for your production needs.



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Einsatz in folgenden Branchen

Application in following sectors



Automatisierung / Robotik..... | *Automation / robotics*.....



Automobil..... | *Automotive*.....



CD / DVD..... | *CD / DVD*.....



Druck- und Papier..... | *Printing and paper*.....



Elektronik..... | *Electronics*.....



Glas..... | *Glass*.....



Holz / Möbel..... | *Wood / furniture*.....



Keramik / Porzellan..... | *Ceramic / porcelain*.....



Kosmetik..... | *Cosmetics*.....



Kunststoff..... | *Plastic*.....



Lebensmittel / Getränke..... | *Food / drinks*.....



Medizin..... | *Medicine*.....



Molkereien..... | *Dairies*.....



Solar..... | *Solar*.....



Sondermaschinenbau..... | *Special mechanical engineering*.....



Steinbearbeitung..... | *Stone processing*.....



Verpackung..... | *Packaging*.....

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Greifen in der Handhabungstechnik

Picking in the handling technology

Basic VAC



Flach- und Balgensauger

- vielseitig einsetzbar
- sehr gute Stabilität
- für ebene und gewölbte Flächen

Mehr Informationen erfahren Sie ab Seite 52

Flat and bellows cups

- Versatile useable
- Excellent stability
- for plane and curved surfaces

More information at page 52

MasterVAC



Flach-, Balgen- und Ovalsauger

- verfügbar in vielen Varianten
- große Materialvielfalt (u.a. für hohe Temperaturen)
- hohe Flexibilität

Mehr Informationen erfahren Sie ab Seite 38

Flat, bellows and oval cups

- Available in many variations
- Large selection of materials
- High flexibility

More information at page 38

PrimeVAC



Flach- und Balgensauger

- für starke mechanische Beanspruchung
- Übertragung hoher Haltekräfte
- für positionsgenaue Roboteranwendungen

Mehr Informationen erfahren Sie ab Seite 29

Flat and bellows cups

- For strong mechanical loads
- Transfer of high forces
- For position-exact robot applications

More information at page 29

UniversalVAC



Flach- und Balgensauger mit vulkanisiertem Anschluss

- für hohe Beschleunigungen
- sehr hohe Prozesssicherheit
- hervorragende Haltekraft

Mehr Informationen erfahren Sie ab Seite 34

Flat and bellows cups with vulcanized fitting

- For high acceleration
- Very high level of process safety

More information at page 34

MultiflexVAC

Flachsauger - hochabdruckarm



- sehr hohe Verschleißfestigkeit
- beste Haftreibungseigenschaften
- flexible Dichtlippe

Mehr Informationen erfahren Sie ab Seite 69

Flat cups - High anitmarking

- *High abrasion*
- *Best adhesion properties*
- *Flexible sealing lip*

More information at page 69

Balgensauger - hochabdruckarm



- u.a. auch in 2 kombinierten Shorehärten erhältlich
- exzellentes Rückstellverhalten
- sehr hohe Verschleißfestigkeit

Mehr Informationen erfahren Sie ab Seite 70

Bellows cups - high wear resistance

- *Also available in 2 combined shore hardnesses*
- *Excellent back set behaviour*
- *High wear resistance*

More information at page 70

Hervorragende Merkmale zum Greifen in diversen Anwendungen

The excellent characteristics for the picking in various applications

HNBR Material



Dieses hochabdruckarme und bis + 160° C temperaturbeständige Material ist zudem abriebfest und erlaubt späteres Lackieren der Kunststoffprodukte, da die Vakuumsauger frei von Silikon-Trennmitteln und lackbenetzungstörenden Substanzen sind.

This highly antimarking and up to + 160 °C temperature resistant material is wear-resistant and allowed later varnish the plastic products, because the vacuum cups are freely from silicone-re-release agent and of harmful.

Einsatzvielfalt | Applications varieties



Die große Saugervielfalt ermöglicht es für nahezu alle Einsatzbereiche und Branchen den geeigneten Saugnapf für die Automatisierung und Robotik zu finden. Die besonderen Eigenschaften und Merkmale der einzelnen Bauformen und Materialien sind optimal auf Produkte in der Lebensmittel-, Kunststoff-, Verpackungs-, Druck-, Holz- oder Elektronikindustrie abgestimmt.

The big cup variety enables for nearly all areas of application and branches to find the suitable sucker for the automation and robotics. The special properties and characteristics of the individual construction forms and materials are optimum coordinately on products in the food, plastic, packaging, pressure, wooden or electronic industry.

Ovalsauger | Oval cups



Eine Besonderheit unter den Vakuumgreifern stellen die Oval- und Rechtecksauger dar. Ihr Vorteil kommt vor allem bei langen, schmalen Werkstücken oder begrenzten Ansaugflächen zum Tragen. Sie erzielen die bestmögliche Haltekraft im Vergleich zu runden Flachsaugern gleicher Breite.

The oval and rectangle cups show a specific feature under the vacuum grip arms. The advantage is especially at all long, narrow workpieces or limited suction surfaces. They achieve the best possible lifting force in comparison to round flat suction cups of the same width.

Ergänzende Vakuumkomponenten

Complementary vacuum components

VAC-Pinzette | VAC-Tweezer



Die VAC-Pinzette ist in 2 Ausführungen verfügbar

- Druckluftbetrieben, mit eingebautem Ejektor
- Vakuumbetrieben

VAC-Tweezer

The VAC-Tweezer is deliverable in 2 different versions

- Compressed air with integrated generator
- Vacuum-operated

Vakuumhubzylinder | Vacuum lifting cylinders



Die Vakuumhubzylinder sind in 2 Versionen erhältlich

- Baureihe mit verdrehgesicherter Kolbenstange
- Baureihe ohne Verdrehsicherung – mit großem Hub

The vacuum lifting cylinders are deliverable in 2 different versions

- Series with torsionally rigid piston rod
- Series without anti-rotation-lock

Ejektoren und Verbindungselemente | Generators and connecting elements



Vakuumerzeuger in vielen Varianten lieferbar

- Inline-Ejektoren zum direkten Einbau in Schlauchleitung
- Ejektoren – kompakte Bauform in vielen Varianten
- Große Auswahl an Verbindungselementen, Verteilerblöcken und Verschraubungen für Schläuche

Vacuum generators in different modifications deliverable

- Inline-generator for direct installation in hose line
- Generator – compact version in different options

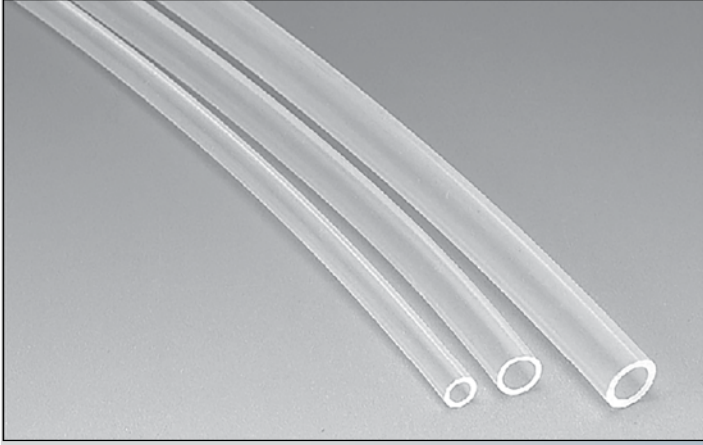
Vakuumfilter – Kunststoff | Vacuum filter - Plastic



Bruchssichere Filter in 5 verschiedenen Baugrößen

- Anschlussgewinde von 3/8" bis 1 1/2"
- Austauschbare Filterelemente (10 µm)
- Durchsichtiges Filtergehäuse zur einfachen Kontrolle

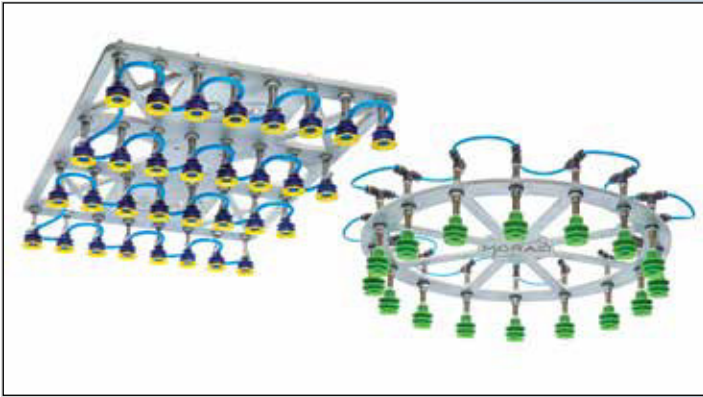
Unbreakable filters in 5 different sizes

Schläuche | Tubes

Flexible Vakuum- und Druckschläuche in verschiedenen Materialien und Durchmessern

- Transparente und farbige Materialien
- Spiralschläuche

Flexible vacuum- and pressure air tubes in various materials and diameters

Flächengreifer – Produktneuheit | Grippers - NEW

Zum Handling von Werkstücken mit ebener oder biegsamer Oberfläche, z. B. Kartonagen, Plattenmaterial usw.

- Einfache Montage
- Niedriges Eigengewicht
- Sicheres und stabiles Handling

Handling of workpieces with plane or flexible surfaces, e.g., cardboard packaging's, record material etc.

- *Simply mounting*
- *Low weight*
- *Safe and stable handling*

Handgreifer | Grabber cups

Diese einfachen Handgreifer aus Elastomermaterial gibt es in 5 Größen

- Geeignet für alle luftundurchlässigen, glatten Oberflächen

These grabber cups are made of elastomer material and is deliverable in 5 sizes

Saugscheiben | Flat rubber discs

Gummischeiben werden als Flachsauger in der Druck- und Grafikindustrie zur Aufnahme und Ver- einzelung von Papierbögen eingesetzt

- Große Auswahl an Durchmessern und Materialien

Elastic discs are used as a flat suction cup in the printing- and graphic industry for gripping and handling sheets of paper.

- *Large selection in diameters and materials*

Basiskomponenten für Greifsysteme an Industrierobotern

Seit vielen Jahren beschäftigt sich unser Team erfolgreich mit der Thematik des Anfassens, des prozesssicheren Hebens und der präzisen Positionierung von Objekten.

Unsere umfangreiche Produktpalette bietet für verschiedene Handhabungstechniken vielfältige Anwendungsmerkmale.

Durch unser Know-how bei innovativen Systemlösungen erfolgte der Einstieg in die Endeffektortechnik. Um individuelle Positionieranforderungen zu ermöglichen, produzieren wir alle abgebildeten Systemgruppen wie

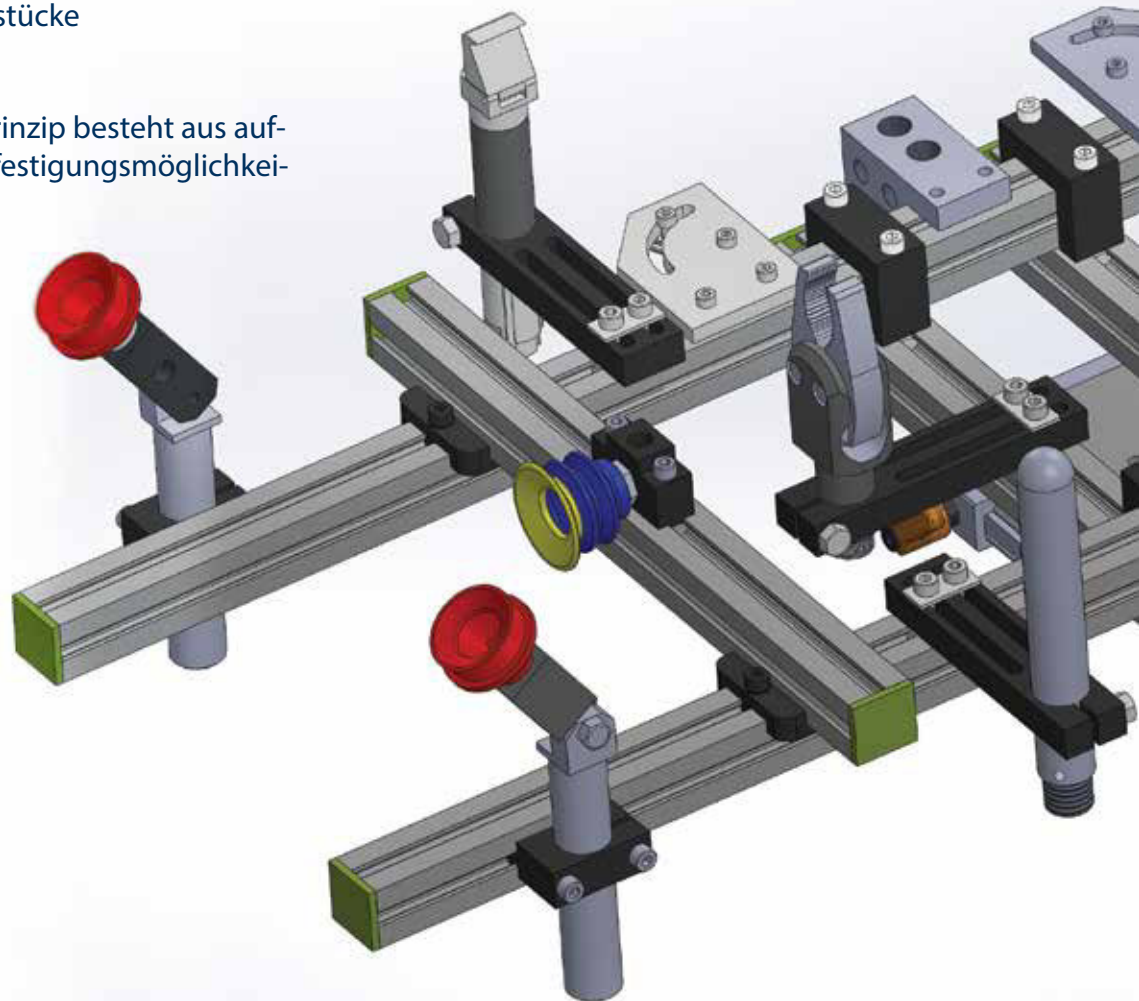
- Greifzangen und Greiffinger
- Schnellwechselsysteme
- Klemm- und Verbindungsstücke
- Aluminium-Profile.

Das modular aufbauende Prinzip besteht aus aufeinander abgestimmten Befestigungsmöglichkei-

ten durch Klemm- und Schraubverbindungen. Es ermöglicht auf einfache Weise, aufgabengerecht aus kombinierfähigen Bausteinen, Entnahmeeinheiten für Industrieroboter zusammenzustellen.

Wir veredeln bei vielen Greiferteilen die Oberfläche durch eine Eloxalschicht, welche die Teile schützt und hochwertig macht. Um die Qualität unserer Greiferkomponenten aufrechtzuerhalten, werden die Montageelemente begleitend zum Fertigungsprozess permanenten Maßnahmen, wie z. B. Dauerlaufprüfungen unterzogen.

Erfahren Sie mehr unter Endeffektoren Katalog (siehe USB-Stick). Anfordern unter contact@morali-gmbh.de oder www.morali-gmbh.de



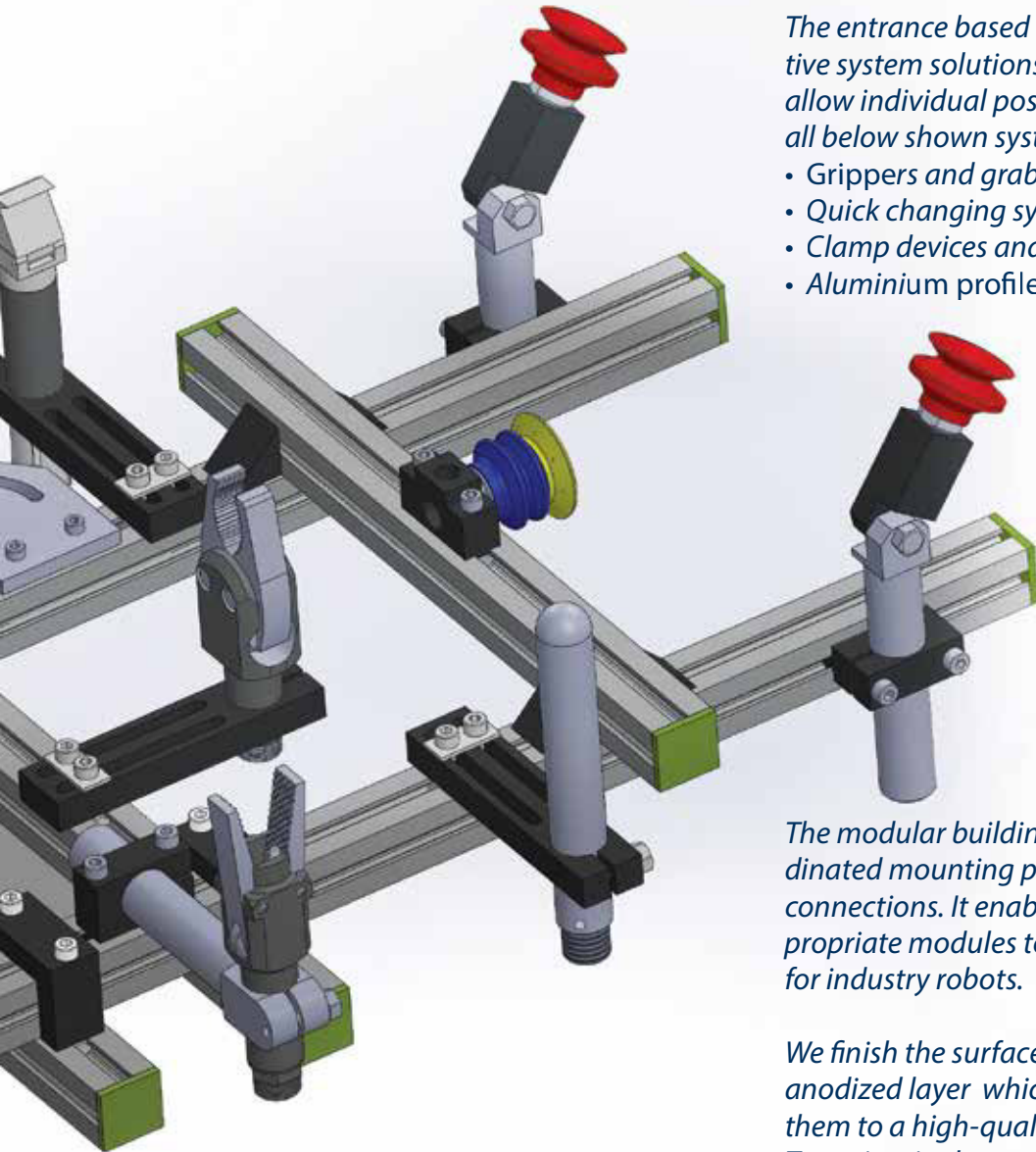
Basis components for gripper systems at industrial robots

Our team trades for many years successfully with the topic of the handling, the process-sure lifting and the exact positioning of objects.

Our comprehensive assortment of products offers varied application characteristics for different use technologies.

The entrance based through our know-how in innovative system solutions in the end-effector technology. To allow individual positioning requirements, we produce all below shown system groups like

- Grippers and grab fingers
- Quick changing systems
- Clamp devices and connection elements
- Aluminium profiles



The modular building up principle consists of coordinated mounting possibilities by clamp and screw connections. It enables in an easy way to combine appropriate modules to build up complete removal units for industry robots.

We finish the surface of many grip arm parts by an anodized layer which protects the parts and make them to a high-quality product. To maintain the quality of our gripper components and accompanying to the manufacturing process, the mounting parts will be undergoing a continuous quality assurance, for example, life time tests.

Get to know more under E-O-A-T catalogue (look at USB-Stick). Order: contact@morali-gmbh.de or www.morali-gmbh.de

Tabelle über Hebekraft

Table of lifting force

Saugerhebekraft in Abhängigkeit von Vakuumbhöhe und Saugerdurchmesser

Lifting force of vacuum cups depending on vacuum degree and cup diameter

*Effektiver Sauger-Ø Effective cup-Ø	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	114,400	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:

- Der effektive Saugerdurchmesser ist kleiner als der Lippendurchmesser!
- Tabellenwerte in kg entsprechen der theoretischen Abreißkraft.
- Mindestsicherheit ist 2fach, also kg dividiert durch 2 ergibt die Tragkraft pro Sauger.

- The effective cup diameter is smaller than the lip diameter!
- Table values in kg corresponds the theoretical pull-off strength.
- Minimum level is twice, this means that kg divided by factor 2 results the lifting per vacuum cup.

Notes:

Lagerung Elastomere

Da die längere Lagerung von Elastomerteilen eine Qualitätseinbuße darstellen kann, hier ein paar Tipps, wie Sie diese vermeiden können: Lagerzeiterfassung und Lagerung ist gemäß ISO 2230 bzw. DIN 7716 geregelt.

Wärme

- Balgensauger mit 1,5 oder 2,5 Falten (Erhöhter Winkel- und Höhenausgleich)
- Ein Lagertemperaturbereich von +5 ° C bis +25° C wäre ideal für Elastomere.
- Bitte jeglichen Direktkontakt mit Wärmequellen (z.B. Heizgeräte) oder direkte Sonneneinstrahlung ist zu vermeiden.
- Bei einer Lagerung von zu niedrigen Temperaturen kann eine Verhärtung der Elastomere eintreten. Um eine Verformung zu vermeiden, sollte man deshalb darauf achten, dass diese in dem angegebenen Temperaturbereich gelagert werden.

Deformation

- Elastomere sollten deformations- und kompressionsfrei in entspanntem Zustand gelagert werden.

Licht, Ozon

- Es ist darauf zu achten, dass Elastomerteile vor Ozon und Lichtquellen geschützt gelagert werden. Lichtquellen mit ultraviolettem Anteil sowie direkte Sonneneinstrahlung sind zu vermeiden. Eine Lagerung in UV-beständigen Kunststoffbeuteln ist zu bevorzugen.

Feuchtigkeit

- Eine relative Feuchtigkeit von unter 70 % sollte nicht überschritten werden. Extreme Schwankungen zwischen Feuchte und Trockenheit sind zu vermeiden. Achtung: Keine Kondensation.

Kontakt mit Metall und Nicht-Metallen

- Diverse Metalle (Kupfer, Eisen, Mangan sowie die entsprechenden Legierungen) schädigen die Elastomere, sobald sie damit in Kontakt kommen. Deshalb ist eine gemeinsame Lagerung dieser Komponenten strikt zu vermeiden.
- Ebenfalls sollten Elastomere nicht mit PVC in Kontakt kommen aufgrund der möglichen Weichmachermigration bzw. Wanderung anderer Bestandteile.

Kontakt mit Flüssigkeiten oder Fetten

- Es ist darauf zu achten, dass kein Kontakt mit Ölen, Fetten und Lösungsmitteln zu Stande kommt.

Lagerungsdauer und Qualitätsprüfung

Maßgebend für die Nutzungsdauer der Elastomerprodukte ist der Elastomertyp. Folgende Lagerungszeiten können für die Elastomere bei sachgemäßer Lagerung (wie oben beschrieben) veranschlagt werden:

PU, SBR, NR, Multiflex	4 Jahre
NBR, HNBR, CR	6 Jahre
EPDM	8 Jahre
FKM, SI	10 Jahre

Bitte überprüfen Sie, nach diesen angegebenen Zeiten die Qualität der Elastomere.

Da Elastomere mit einer Dicke < 1,5 mm einem höheren Angriff durch Oxidation ausgesetzt sind, selbst bei optimalen Lagerungsbedingungen, ist ein kürzerer Inspektionsintervall sinnvoll.

Bitte beachten Sie, dass der Verbrauch unserer Artikel nach dem FIFO-Prinzip Hand zu haben ist. Dies bedeutet, dass die zuerst von uns bezogenen Waren auch zuerst wieder verbraucht bzw. verkauft werden. Diese Methode ist vorherrschend, da sie das Veraltern und Verderben der Waren verhindert.

Storage Elastomer

Because the longer storage of elastomer can show a quality loss, here a few tips, as you can avoid this: Storage time capture and storage is regulated according to ISO in 2230 or German Institute for Standardization 7716.

Heat

- Bellows suction cup with 1.5 or 2.5 folds (Raised angle and heights balance)
- A bearing temperature range of +5 °C to +25 °C would be ideal for elastomers.
- Please, any direct contact with heat sources (e.g., heating appliances) or direct solar irradiation is to be avoided.
- With a storage of too low temperatures a hardening of the Elastomers can enter. To avoid a distortion, therefore, you should pay attention to the fact that these are stored in the shown temperature range.

Deformation

- Elastomer should be stored freely of deformation and of compression in relaxed state.

Light, ozone

- Attention must be paid to the fact that Elastomer are protected from ozone and sources of light. Light sources with ultraviolet portion as well as direct solar irradiation are to be avoided. A storage in UV-continual plastic bags is to be preferred.

Humidity

- A relative humidity of less than 70% should not be crossed. Extreme variations between dampness and dryness are to be avoided. Attention: no condensation.

Contact with metal and non-metals

- Various metals (copper, iron, manganese as well as the suitable alloys) damage the Elastomer, as soon as they come in contact. Therefore, a common storage of these components is to be avoided strictly.
- Also Elastomer with PVC should not come to contact on account of the possible tenderizer migration or wandering of other components.

Contact with liquids or greases

- It is to be seen to the fact that no contact with oils, greases and solvents takes place.

Storage duration and quality inspection

Authoritatively for the useful life of the Elastomer is the type. The following storage times can be estimated for the Elastomer with material-appropriate storage (like on top described):

PU, SBR, NR, Multiflex	4 years
NBR, HNBR, CR	6 years
EPDM	8 years
FKM, SI	10 years

Please, check, after these shown times the quality of the Elastomers.

Because Elastomer with a thickness < 1,5 mm exposed to a higher attack by oxidation, even with optimum storage terms, a shorter inspection interval makes sense.

Please, note that the consumption of our articles has to be handled after the FIFO principle.

This means that the goods first purchased by us are also used first again or are sold. This method is prevailing, because it prevents the ageing and spoilage of the goods.

Saugermaterialien

Vacuum cups materials

Schnellübersicht ihrer Eigenschaften mit Richtwerten

Quick overview of their characteristics with benchmarks

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

Material Einsatz Operation	NBR .01	Silikon .02	NR .03	CR .04	Polyurethan .05	EPDM .06	FKM .07	HNBR .09	SBR .10	Silikon, verstärkt .12	Vinyl .V	Multi- flex .20
Allzweck Einsatz All-purpose	***	**	*	**	*	-	-	**	-	***	**	*
Arbeitstemperatur in °C Working temperature in °C	-40 +90	-70 +200	-40 +80	-40 +90	-25 +80	-40 +130	-20 +200	-40 +160	-40 +80	-70 +200	-20 +80	-20 +80
Shorehärte (A) Shore hardness (A)	50-60°	30-60°	30-60°	50-60°	50-75°	50°	60°	55°	50°	30-60°	50-60°	30-60°
Ozonbeständigkeit Ozone resistance	**	***	-	***	***	***	***	**	-	***	*	***
Verschleiß Wear-resistance	**	**	**	***	***	*	**	**	**	***	***	***
Öl-Fett-Benzin Oil-Grease-Petrol	**	**	-	**	***	*	***	***	-	**	*	**
Rapsöl (biologische Öle) Rapeseed-oil (biological oils)	-	**	-	-	-	-	**	***	-	**	-	-
Säuren Acids	-	*	-	-	-	***	***	**	-	*	*	-
Unebene Flächen und verformbare Produkte Uneven areas and malleable products	*	***	***	*	*	*	-	*	**	***	***	*
Heiße Produkte Hot products	-	***	-	-	-	**	***	**	-	***	-	-
Heiße Produkte (silikonfrei) Hot products (silicone free)	-	-	-	-	-	**	***	***	-	-	-	-
Lebensmittel Food	-	***	**	-	-	**	-	-	-	***	*	-
Hochabdruckarm High anti-marking	**	*	**	*	**	**	***	**	**	*	**	***

Hinweise:

Hauptmaterialien sind Nitrilkautschuk, Naturgummi und Silikon. Je nach Einsatzfall unterliegen Vakuumsauger mechanischen und chemischen Beanspruchungen. Deshalb dienen die obigen Angaben nur als Richtwerte.

Notes:

Depending on case of use the vacuum cups are subject to mechanical and chemical uses. Therefore the above details only serve as reference values.

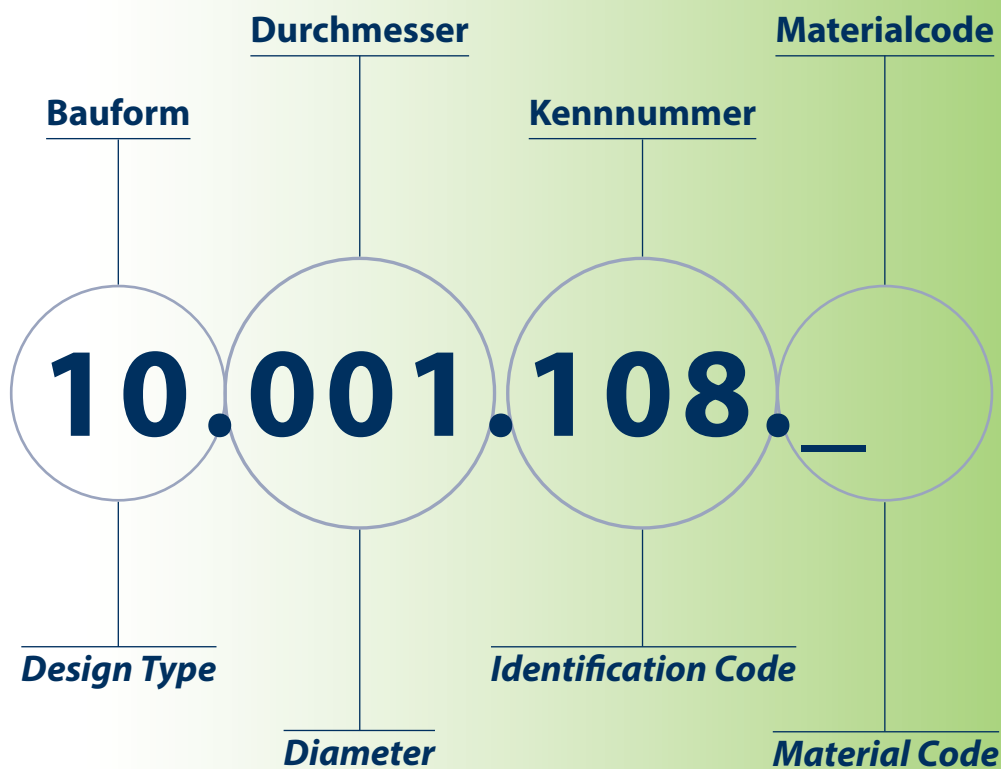
Material:

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
 SBR = Silikon .12 = Silicone rubber, reinforced
 Vinyl = Polyvinyl-chloride
 Multiflex = Thermoplastic elastomer

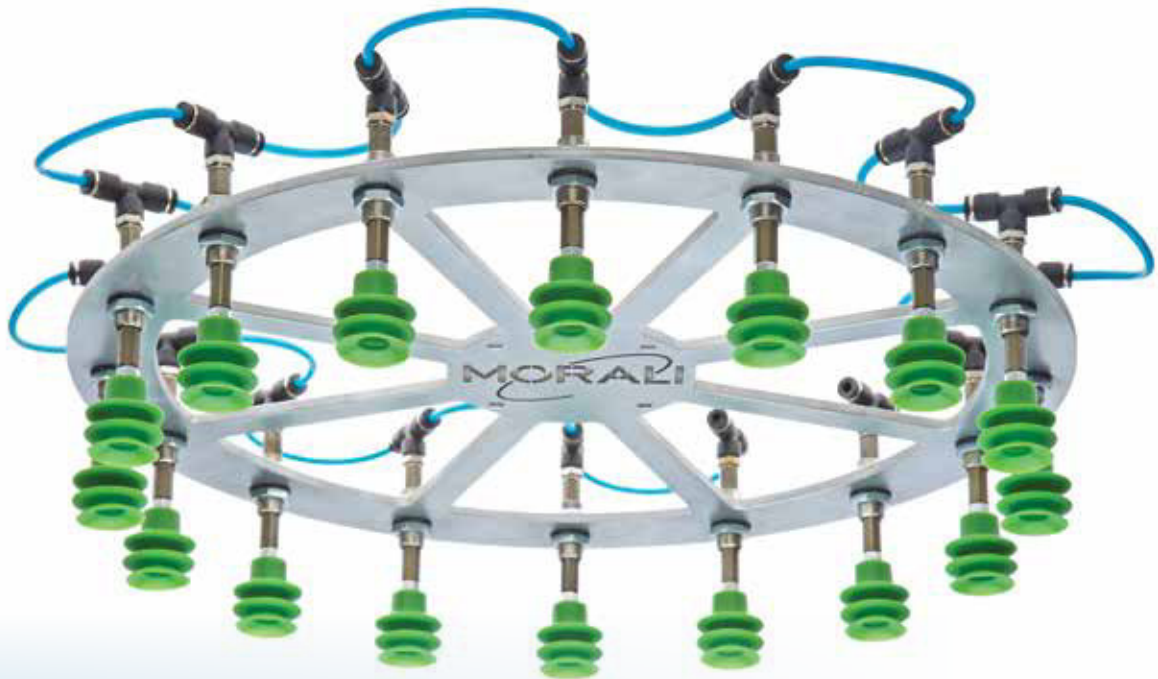
Für Fragen steht Ihnen die Technik gerne zur Verfügung.
 Our technical department stands for any questions at your disposal.

Gliederung Art.Nr. Vakuumsauger

Structure No. vacuum cups



Flächengreifer bestückt mit Vakuumsaugern



Diese Produktneuheit aus dem Hause der Morali Produktionstechnik GmbH in Rottweil besticht durch ihre flexiblen Anwendungsmöglichkeiten in sehr vielen Branchen.

Der mit Vakuumsaugern bestückte Flächengreifer ermöglicht die Aufnahme und das Heben von Gegenständen mit ebener, sehr unregelmäßiger, strukturierter und biegsamer Oberfläche. Als Beispiele seien hier in erster Linie Plattenmaterial, folienverpackte Produkte, Blisterverpackungen oder dünnwandige Kartonaugen genannt.

Außerdem kann ein Einsatz des Flächengreifers bei nicht exakt definierten Aufnahmepositionen und unterschiedlichen Abmessungen erfolgen.

Für die genannten Anwendungen eignen sich Faltenbalgsauger bestens, da sich diese dank ihrer hohen Flexibilität perfekt an nahezu alle Oberflächen anschmiegen. Die zusätzlich zwischen Metallträger und Vakuumsaugern montierten Federelemente sorgen dafür, dass diese den Konturen und Bewegungen beim Anheben folgen und so ein Prozesssicheres Greifen ermöglichen.

Die steckbaren Saugnäpfe sind auf standardisierte Aufnahmen montiert und können bei Verschleiß schnell und einfach ausgetauscht werden. Auch sind die Saugerträger grundsätzlich mit jeder Art von

Sauggreifern – je nach Anforderung der Anwendung – konfigurierbar. Dies senkt den Aufwand bei der Projektierung und auch bei der Wartung. Morali Produktionstechnik GmbH produziert und vertreibt weltweit Vakuum- und Greiferkomponenten. Als einer der weltweit führenden Hersteller im Bereich der Vakuumtechnologie verfügt Morali über mehr als 20 Jahre Erfahrung. Als Spezialist auf diesem Gebiet bietet das Unternehmen heute eine breite Produktpalette an innovativen Qualitätsprodukten zu wettbewerbsfähigen Preisen. Dank seines Innovationsgeistes und seines technologischen Vorsprungs ist Morali darüber hinaus in der Lage, individuelle Lösungen zu Handlingsanlagen in zahlreichen Bereichen, wie der Automobil-, der Kunststoff-, der Automatisierungs-, der Elektrik-, der Elektronik- und der Lebensmittelindustrie sowie in weiteren Branchen zu erarbeiten und die Produktionssicherheit zu erhöhen.

Vorteile

- **Niedriges Eigengewicht, dadurch weniger Energieverbrauch des Roboters, weniger Verschleiß und minimaler Wartungs - aufwand**
- **Robuste Konstruktion**
- **Sicheres und stabiles Handling**
- **Materialschonendes Greifen**

Vacuum grippers equipped with suction cups



This new product line from the Morali Produktionstechnik GmbH in Rottweil offers a wide variety of applications to many industries.

These grippers equipped with vacuum cups permit grabbing and lifting objects with flat, very irregular, structured or flexible surfaces. As examples, these would primarily include sheet materials, products packed in foil, blister packaging or thin cardboards.

In addition, they can be used to grip objects when their positioning is not precisely defined or vary in the dimensions.

Bellows cups are best suited for the above-mentioned applications, as they adapt nearly perfect to any surface thanks to their high flexibility. The spring elements additionally mounted between the metal supports and vacuum cups ensure that they follow any contours or movements during the lifting process, thereby ensuring a secure grip at all times.

The plug-in suction cups are mounted on standardised fittings and can be replaced quickly and easily in case of wear. Generally, the cup supports can be configured for any type of suction cups – depending on the requirement of application. This reduces the expense for engineering as well as for maintenance.

Benefits:

- **Low tare weight, thereby less energy consumption of the robots, lower wear and minimal maintenance**
- **Robust construction**
- **Safe and stable handling**
- **Gentle gripping of materials**

Notizen

Allzwecksauger | Multi purpose cups



■ Beschreibung:

- Diese Vakuumsauger sind mit die am häufigsten verwendeten Saugnäpfe in der Handlingstechnik.
- Aufgegliedert in folgenden Bauformen ergibt sich für Anwender ein breit gefächertes Spektrum an Vakuumgreifern in verschiedenen Materialien wie Nitrilkautschuk (NBR), Naturgummi und verstärktem Silikon (rotbraun).
- Die Flachsauger sind aufgrund ihrer Geometrie besonders geeignet, um nicht deformierbare Teile mit ebener oder leicht gewölbter Oberfläche bei gleichzeitig hoher Haltekraft positionsgenau z.B. bei Roboteranwendungen handzuhaben.
- Die Balgensaugnäpfe besitzen durch die Anzahl der Falten eine große Flexibilität. Neben der umfangreicheren Hubbewegung lassen sich durch die erhöhte Biegsamkeit auch konkave oder konvexe Produkte prozesssicher greifen.

■ Einsatz

- Allzweck Einsatz
- Glatte, ebene Produkte
- Beispiele: Kartonagen, Verpackung, Holz, Metall, Stein.

■ Description:

- *These vacuum cups are with the most often used suckers in the field of handling technology.*
- *Split up in the following construction forms a diversified spectrum of vacuum grip arms arises for users in different materials like Nitrile rubber (NBR), natural rubber and reinforced silicone (red-brown).*
- *The flat suction cups are suitable on account of her geometry to handle not deformable parts with plane or slightly curved surfaces and at the same time high hold force with positional accuracy for e.g. robot applications.*
- *The bellows vacuum cups own by the number of the folds a big flexibility certainly.*

■ Application:

- *Universal insertion*
- *Smooth, plane products*
- *Examples: Cardboard, packaging, wood, metal, stone.*

Prime VAC | Prime VAC

Ausführungen | Version

- Inklusive Anschlussstück, vulkanisiert - wahlweise mit Innen- oder Außengewinde
- *Inclusive fitting, vulcanized- optionally with female or male thread*

Flachsauger von Ø 20 bis Ø 96 mm | *flat cups from Ø 20 to Ø 96 mm*



- - Sie eignen sich sehr gut für kurze Taktzeiten und besitzen eine hohe Tragfähigkeit bei ebenen Produktoberflächen.
 - Zusätzlich ist ein hoher Widerstand gegenüber seitlichen Kräften gegeben.
- - *The cups suited very well for short cycles times and own a high load-carrying capacity at plane product surfaces.*
 - *Compared with lateral forces a high resistance is given.*

1,5 Faltenbalgsauger von Ø 14 mm bis Ø 85 mm | *1,5 folds suction cups from Ø 14 mm bis Ø 85 mm*



- - Steckbare Anschlussstücke wahlweise Innen-/Außengewinde bis Ø 60 mm
 - (Ausnahme: Ø 85 mm vulkanisiert)
 - Der Faltenbalg ermöglicht eine flexible Aufnahme unebener und leicht gewölbter Teile und gleicht Höhenunterschiede aus.
- - *Plug-in fittings optional female and male threads to 60 mm*
 - *Exception 85 mm vulcanized.*
 - *The vacuum cup allows a flexible picking of uneven and slightly curved parts and compensates height differences.*

2,5 Faltenbalgsauger von Ø 10 mm bis Ø 85 mm | *2,5 folds suction cups from Ø 10 mm to Ø 85 mm*



- - Steckbare Anschlussstücke wahlweise Innen-/Außengewinde bis Ø 60 mm (Ausnahme: Ø 85 mm ist vulkanisiert)
 - Die zusätzlichen Falten dieser langen Ausführung dienen zum Ausgleich größerer Höhenunterschiede durch ein entsprechendes Hubverhalten dieser Vakuumsauger.
- - *Plug-in fittings optional female and male threads to 60 mm*
 - *Exception 85 mm vulcanized.*
 - *The additional folds of this long version serve for the balance of bigger height differences by a suitable travel behaviour of these vacuum cups.*

Flachsauger | Flat cups

Anschluss aufvulkanisiert | connection vulcanized

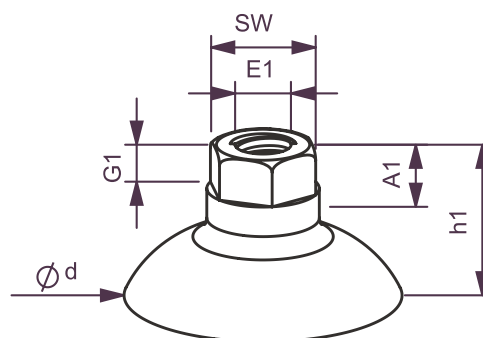
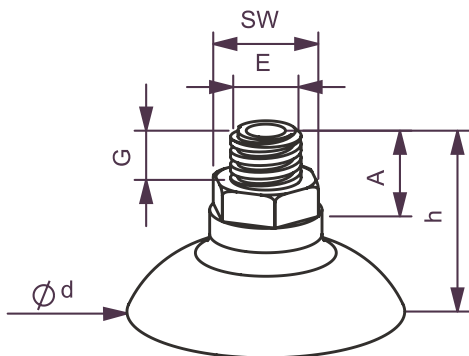


■ **Technische Daten:**

- Diese Flachsauggreifer inkl. Fitting bilden eine feste Einheit. Deshalb ist auch bei hohen Verfahrensgeschwindigkeiten oder bei stark beschleunigten Schwenkbewegungen das prozessichere Festhalten der Werkstücke gewährleistet.

■ **Technical data:**

- The flat suction cup incl. fitting form a solid unit. Therefore a process safety of the workpieces is guaranteed by high movement speeds of strongly swivel moments.



AG	IG	d	h	h1	A	A1	E	E1	G	G1	SW	Z
14.020.052_	13.020.074_	20	24	24	12	12	G1/8"	G1/8"	8	8	14	3,5
14.034.053_	13.034.075_	34	29	29	15	15	G1/4"	G1/4"	10	12,5	17	2,5
14.053.003_	13.053.012_	53	33	33	15	15	G1/4"	G1/4"	11	11	17	3
14.075.004_	13.075.013_	75	43	43	18	18	G1/4"	G1/4"	12	12	22	4
14.096.005_	13.096.014_	96	62	62	17	17	G1/4"	G1/4"	12	12	22	8

AG = Außengewinde / male thread | **IG = Innengewinde / female thread**

In den Standardmaterialien verfügbar, Sondermischungen auf Anfrage.

Available in the standard materials, special versions on request.

Prime VAC | Prime VAC

1,5 Faltenbalg | 1,5 folds

Ersatzsauger- austauschbar | Replacement cup- exchangeable

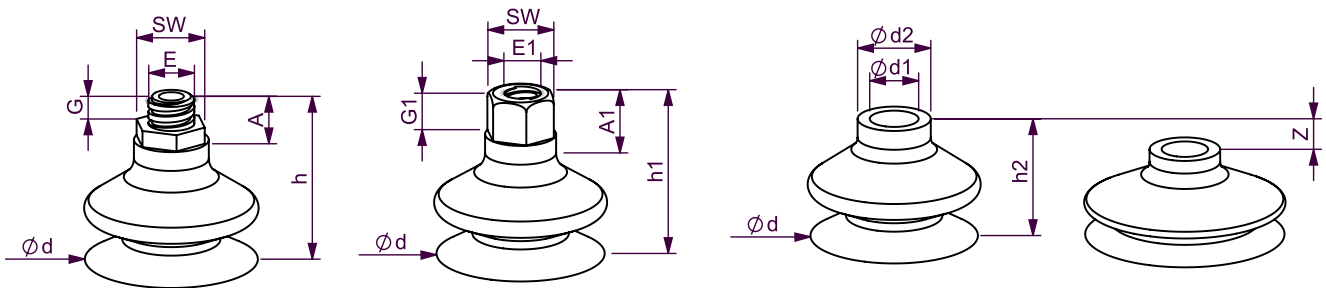


■ Technische Daten:

- Größerer Hub und mehr Flexibilität als Flachsauger.
- Austauschbare Anschlusssteile mit Innen- oder Außengewinde stehen in diversen, marktüblichen Gewindegrößen dem Anwender in ausreichender Auswahl zur Verfügung.

■ Technical data:

- Bigger travel and more flexibility than flat suction cups.
- Changeable fittings with female or male threads can be chosen in various, market-customary thread sizes.



AG	IG	Ersatzsauger Replacement cup	d	h	h1	h2	A	A1	d1	d2	E	E1	G	G1	SW	Z
212.014.001_	211.014.009_	210.014.064_	14	31,5	30	18	12	13,5	5	12	G1/8"	G1/8"	8	7,5	14	8
212.025.002_	211.025.010_	210.025.065_	25	37	37	22	15	15	8	18,5	G1/4"	G1/4"	12	12	17	5
212.040.003_	211.040.011_	210.040.066_	40	47	47	32	15	15	8	18,5	G1/4"	G1/4"	12	12	17	13
212.060.004_	211.060.012_	210.060.023_	60	55	55	40	15	15	8	18	G1/4"	G1/4"	12	12	17	15
214.085.002_	213.085.009_	-	85	75	75	58	17	17	-	-	G1/4"	G1/4"	10	12	22	13

AG = Außengewinde / male thread | **IG = Innengewinde / female thread**

In den Standardmaterialien verfügbar, Sondermischungen auf Anfrage.

Available in the standard materials, special versions on request.

2,5 Faltenbalg | 2,5 folds

Saugnapfe mit großem Hub | cups with big stroke

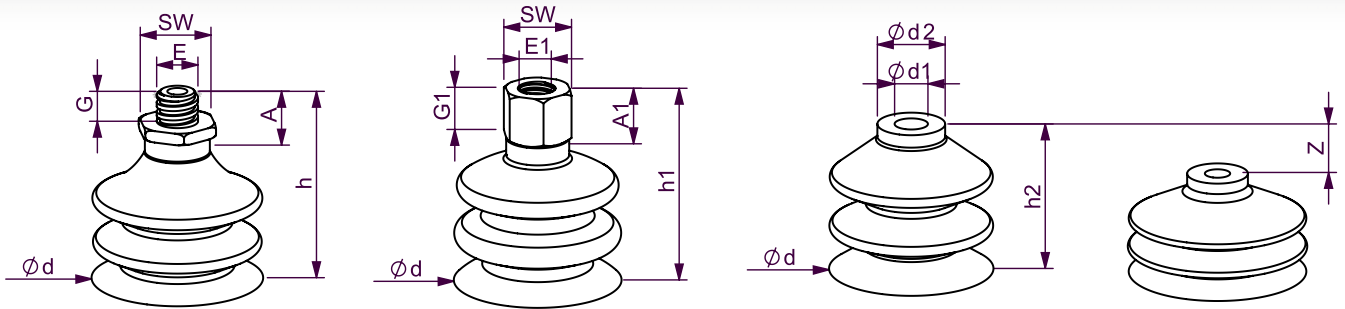


■ **Technische Daten:**

- Für große Hubbewegungen
- Überbrückung unterschiedlicher Niveaus.
- Diese Version ermöglicht das Greifen unter einem Winkel-ähnlich einem flexiblen Gelenk.

■ **Technical data:**

- For big travel movements
- Bridging of different levels.
- This version allows the gripping under an angle like a flexible joint.



AG	IG	Ersatzsauger Replacement cup	d	h	h1	h2	A	A1	d1	d2	E	E1	G	G1	SW	Z
222.010.001_	221.010.003_	220.010.021_	10	28,1	27,7	15,7	12	12,4	5,3	10,2	G1/8"	G1/8"	8	8,2	14	3
222.014.002_	221.014.004_	220.014.023_	14	36,5	35	23	12	13,5	5	12	G1/8"	G1/8"	9	7,5	14	10
222.018.003_	221.018.005_	220.018.001_	18	34,4	34	22	12	12,4	5	12	G1/8"	G1/8"	8	8,2	14	8
222.030.004_	221.030.006_	220.030.006_	30	50	48	33	15	15	8	19	G1/4"	G1/4"	12	12	17	13
222.040.005_	221.040.007_	220.040.010_	40	60	60	45	15	15	8	19	G1/4"	G1/4"	12	12	17	20
222.060.006_	221.060.010_	220.060.026_	60	70	70	55	15	15	8	19	G1/4"	G1/4"	12	12	17	24
224.085.001_	223.085.007_	-	85	100	96	78	17	17	-	-	G1/4"	G1/4"	10	12	22	38

AG = Außengewinde / male thread | **IG = Innengewinde / female thread**

In den Standardmaterialien verfügbar, Sondermischungen auf Anfrage.

Available in the standard materials, special versions on request.

Vulkanisierte Vakuumsauger | *Vulcanized vacuum cups*



■ **Beschreibung:**

- Diese Vakuumsauger mit einvulkanisiertem Befestigungsgewinde garantieren eine hervorragende Stabilität beim Handling ! Die große Produktpalette bietet sich für nahezu jeden Einsatzbereich an.
- Diese Sauger sind universell einsetzbar für Produkte mit glatten und luftdurchlässigen Oberflächen. Bedingt durch ihre Bauform passen sie sich äußerst gut an gewölbte Flächen an.
- Ein bedeutender Vorteil dieser Sauggreifer ist das vulkanisierte Anschlussstück, welches mit dem Elastomermaterial eine feste Einheit bildet. So ist auch bei sehr hohen Verfahrensgeschwindigkeiten oder bei stark beschleunigten Schwenkbewegungen das prozesssichere Festhalten der Werkstücke garantiert.

■ **Einsatz**

- Kunststoffindustrie
- Verpackungsindustrie (Kartonagen)
- Möbelindustrie
- Automobilzulieferindustrie

■ **Description:**

- *The vacuum cup with vulcanized thread guarantee an excellent stability at the handling ! The big range of products offers for nearly every area of application. These suckers are universally applicable for products with smooth and aerial-permeable surfaces. Caused by the construction form they adapt themselves extremely well to curved surfaces.*
- *An important advantage of this suction grip arm is the vulcanized fitting which forms a solid unit with the elastomer material. So process safety of the workpieces is guaranteed by high movement speeds or strongly swivel moments.*

■ **Application:**

- *Plastic industry*
- *Packaging industry (cardboard)*
- *Furniture industry*
- *Automobile ancillary industry*

Ausführungen | *Versions*

■ Inklusive Anschlussstück, vulkanisiert - wahlweise mit Innen- oder Außengewinde

■ *Incl. fitting, vulcanised - with female or male thread*

Vulkanisierte Flachsauger mit Außengewinde | *Vulcanized flat cups with male thread*


- Sie eignen sich aufgrund des einvulkanisierten Befestigungsgewindes sehr gut für hohe Beschleunigungen und garantieren eine hohe Stabilität beim Handling.
- *The cups suited very well for fast accelerations, because of the vulcanized fastening thread and guarantee a high stability with the handling.*

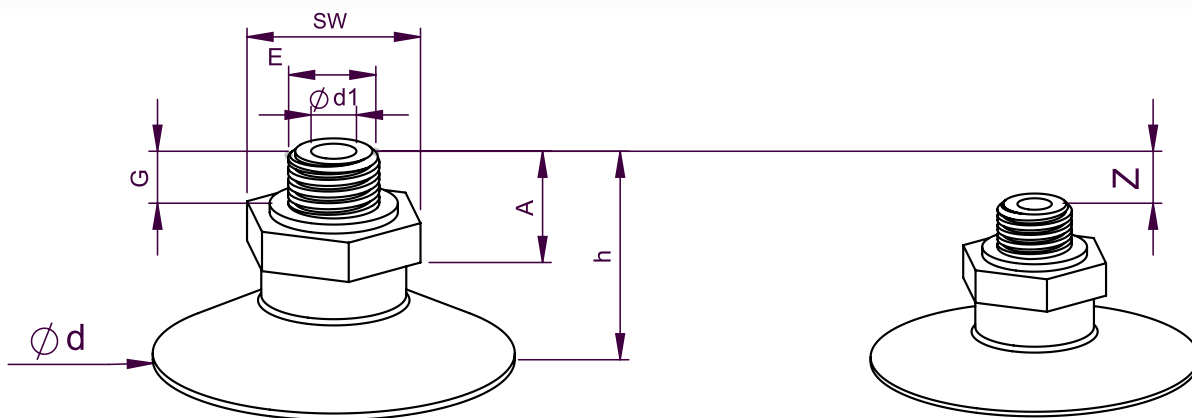
Vulkanisiert mit Außengewinde | *Vulcanized bellow cups with male thread*


- Sie vereinen die positiven Eigenschaften der Flachsauger mit einvulkanisiertem Befestigungsgewinde mit der zusätzlichen Dämpfungseigenschaft der Hubbewegung durch den Faltenbalg.
- *They unite the positive qualities of the flat suction cups with vulcanized thread and the additional damping quality of the bellow when travelling.*

Sauggreifer für Schwenkbewegungen | *cups for swivelling movements*

- Eine Kompakte Einheit,
- Bilden eine außerordentliche Stabilität, sind unverzichtbar bei Roboteranwendungen.

- *A compact unit*
- *Form an extraordinary stability*
- *Are inalienable with robot applications.*



AG	d	E	h	A	G	SW	Z
14.008.041._	8	M5	19,2	11,5	4	8	1
14.010.042._	10	M5	19,2	11,5	4	8	1
14.015.043._	15	G1/8"	20	12	4,7	13	1,2
14.030.044._	30	G1/8"	21,5	12	4,7	13	2
14.040.045._	40	G1/4"	32,5	19	5,8	17	3
14.055.046._	55	G1/4"	35,5	19	5,8	17	3,5
14.075.047._	75	G1/4"	29	18	5,8	17	3,5
14.100.048._	100	G1/4"	29	18	5,8	17	3,5
14.125.049._	125	G3/8"	36	20	6	19	6

AG = Außengewinde / male thread

In den Standardmaterialien verfügbar, Sondermischungen auf Anfrage.

Available in the standard materials, special versions on request.

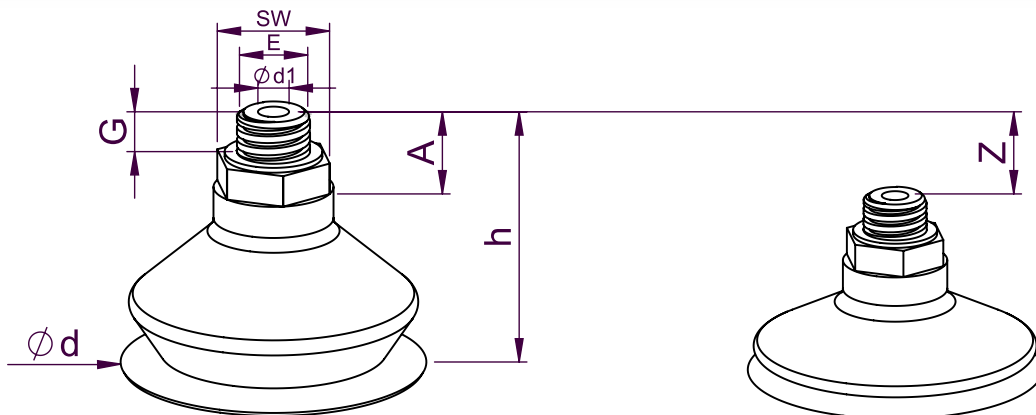
1,5 Faltenbalg | 1,5 folds

Sauger für Roboteranwendungen | Cups for robot applications



- größerer Hub und mehr Flexibilität.
- Hervorragende Anpassungsfähigkeit an unebene und leicht gewölbte Teile durch der Faltenbalg.

- *More travel and flexibility.*
- *Excellent adaptability on uneven and slightly curved parts by the bellow.*



AG	d	d1	E	h	A	G	SW	Z
214.008.011._	8	2	M5	22,5	11,5	3,5	8	3
214.015.012._	15	3	G1/8"	25,5	12	4,7	13	6
214.030.013._	30	3	G1/8"	34	12	4,7	13	13
214.040.014._	40	3	G1/4"	43	16	5,8	17	14
214.055.015._	55	4	G1/4"	52	16	5,8	17	20
214.075.016._	75	4	G1/4"	43,5	16	5,8	17	14,5
214.100.017._	100	4	G1/4"	43,5	16	5,8	17	14,5
214.125.018._	125	7	G3/8"	60	20	6	19	26

AG = Außengewinde / male thread

In den Standardmaterialien verfügbar, Sondermischungen auf Anfrage.
Available in the standard materials, special versions on request.

Klassische Vakuumsauger in großer Vielfalt | Classical vacuum cups in great variety

■ Beschreibung:

- Diese klassischen Sauggreifer stehen für ein breites Anwendungsspektrum. Ihre vielfältige Form reicht von Faltenbalgsaugern mit 1,5 und 2,5 Falten bis hin zu Ovalsaugern in verschiedenen Materialien.
- Für Einsatzzwecke, bei denen höhere Temperaturen gefordert werden, z.B. bei der Entformung von Produkten in der kunststoffverarbeitenden Industrie sind diese Vakuumsauger in den Materialien Silikon (bis + 200°C) und HNBR (bis + 160°C) erste Wahl.
- Beim Ansaugen von Blechen, Holzplatten, Glas, Kartonagen kommen diese Saugnäpfe überwiegend in den Materialien NBR und Naturkautschuk zur Anwendung.
- Typische Einsatzbereiche für die Flachsauger in kleineren Baugrößen bis Durchmesser 40 mm - bestehend aus Naturgummi und Silikon- sind die Handhabung von Papier, Folien, Blisterverpackungen und Furnier.
- Eine Sonderbauform stellen die Ovalsauger dar, die zum Handling von länglichen flachen oder gewölbten Teilen sich bestens anbieten.

■ Description:

- *The classical suction cups stand for a wide application spectrum. The varied form reaches from bellows suction cups with 1,5 and 2,5 folds up to oval cups in different materials.*
- *For the purposes where higher temperatures are demanded, e.g. with the demoulding of products in the plastic processing industry, the vacuum cups in the materials silicone (to + 200° C) and HNBR (to + 160° C) are the first choice.*
- *Predominantly to the application of suctioning metal sheets, boards, glass and cardboards the materials NBR and natural rubber are mainly used.*
- *Typical applications for the flat suction cups in smaller sizes up to diameter 40 mm for handling paper, foils, blister packaging and veneer are natural rubber and silicone.*
- *The oval cups represent a special design and offers best for handling long flat or curved parts.*

Ausführungen | Version

- Inklusive Anschlussstück, vulkanisiert - wahlweise mit Innen- oder Außengewinde
- Incl. fitting, vulcanised - with female or male thread

Flachsauger | flat cups



- - Die vielfältigen Flachsaugerformen ermöglichen je nach Bedarf den Einsatz in einem breitgefächerten Anwendungsspektrum.
 - Für das präzise Handling von ebenen Werkstücken ebenso wie zum Greifen von Papier und Folien.
- - *The varied flat suction cup forms allow according to the use requirement a diversified application spectrum.*
 - *For the exact handling of plane workpieces just as to the griffin of paper and foils.*

1,5 Faltenbalgsauger | 1,5 fold suction cups



- - Faltenbalgsaugnapfe passen sich sehr gut an gewölbte Flächen und Unebenheiten an. Dies ist eine wesentliche Eigenschaft, die es erlaubt, diese Sauger branchenübergreifend einzusetzen.
- - *Bellow cups adapt themselves very well to curved surfaces and unevennesses. This is an essential quality, which it permissible to use these cups branch-covering.*

2,5 Faltenbalgsauger | 2,5 fold suction cups



- - Typische Faltenbalgsauger z.B. für den Einsatz an Spritzgussmaschinen zur Teilentnahme. Sie passen sich sehr gut an stark gewölbte Flächen an und besitzen optimale Dämpfungseigenschaften.
- - *Typical vacuum cups, e.g., for the application of the part withdrawal of an injection molding machine. They adapt themselves very well to strongly convex surfaces and have optimum damping qualities.*

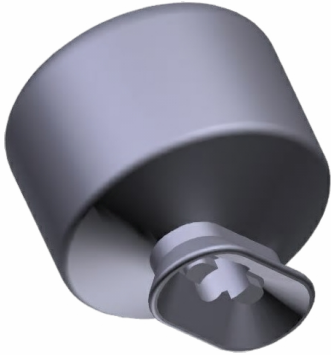
Master VAC | Master VAC

Ovalsauger | Oval suction cups

■ Inklusive Ansteckteil, vulkanisiert - wahlweise mit Innen- oder Außengewinde

■ Incl. fitting, vulcanised - with female or male thread

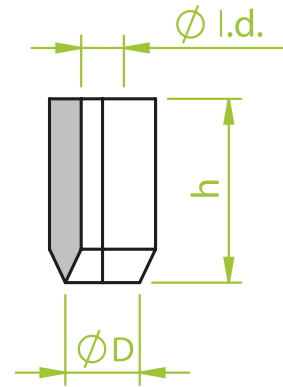
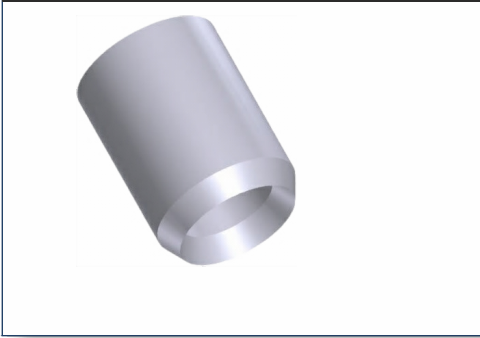
Ovalsauger | Oval suction cups



- Besonders geeignet zur Handhabung von länglichen flachen, gewölbten, zylindrischen Produkten, z.B. Rohre, Profile, Tuben.
- Diese Ovalsauger besitzen eine weiche Dichtlippe.

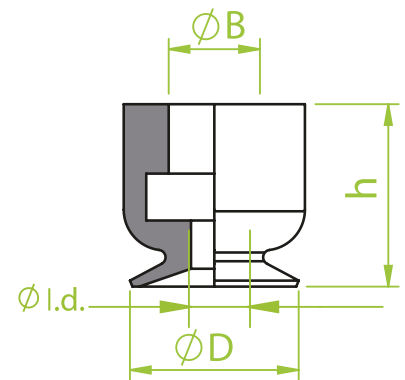
- Particularly suitable to the use of long, level, curved, cylindrical products, for example, pipe, profiles, tubes.
- These oval cups own a soft thick lip.

Zum Handling kleinster Produkte | For the handling of smallest products



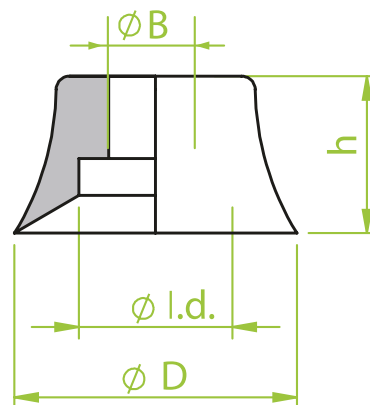
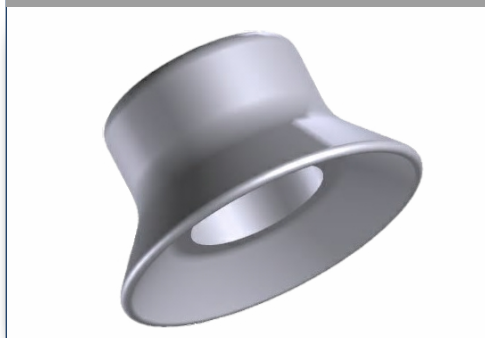
Art.	D	l.d.	h			Gewinde Thread
10.001.108._	1	0,8	1,6	0,1	130.026	M3 AG
10.001.109._	1,5	1,2	2,5	0,3	130.011	M3 AG

Kompakte Flachsauger für leichte Teile | Compact flat cups for lightweight parts

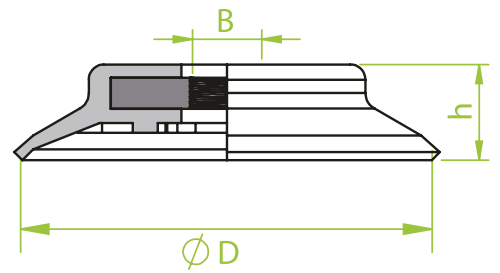


Art.	D	l.d.	h	B			Gewinde Thread
10.002.130._	2,5	1,2	4	2	0,4	130.014	M3 AG
10.003.040._	3,5	1	4	2	0,5	130.014 130.300	M3 AG M5 AG
10.005.131._	5	1,5	6,5	4	0,9	130.005 130.007 130.009 130.010 130.301	M5 IG 1/8" IG 1/8" AG M5 AG M5 AG
10.006.021._	6	2	6,5	4	1	130.005 130.007 130.009 130.010	M5 IG 1/8" IG 1/8" AG M5 AG
10.008.136._	8	2	7	4	1,4	130.005 130.007 130.009 130.010	M5 IG 1/8" IG 1/8" AG M5 AG
10.010.138._	10,8	2	7,5	4	1,2	130.005 130.007 130.009 130.010	M5 IG 1/8" IG 1/8" AG M5 AG

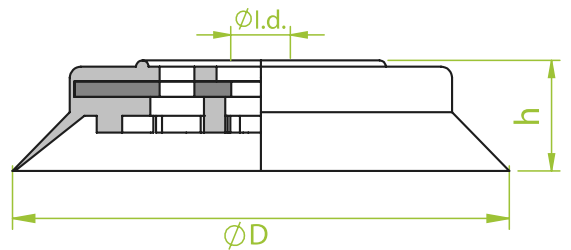
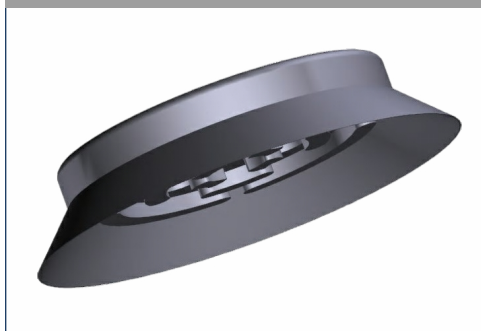
Hohe Saugkräfte bei geringen Abmessungen | High suction forces with small dimensions



Art.	D	I.d.	h	B			Gewinde Thread
10.015.139._	16,3	7,9	8	4,5	2	130.005 130.010 130.021	M5 IG M5 AG 1/8" AG
10.020.019._	21	11	10	4,5	2	130.006 130.019 130.030 130.274 130.275	1/8" AG 1/8" IG 1/8" AG 1/4" AG 1/4" IG
10.025.141._	25	11	14	6	2,5	130.019 130.030 130.274 130.275 130.312	1/8" IG 1/8" AG 1/4" AG 1/4" IG M6 AG
10.030.142._	30	11,1	12,2	6	2	130.019 130.030 130.274 130.275 130.312	1/8" IG 1/8" AG 1/4" AG 1/4" IG M6 AG
10.035.143._	36	11	14	6	3	130.019 130.030 130.274 130.275	1/8" IG 1/8" AG 1/4" AG 1/4" IG
10.040.144._	40	11	14	6	3	130.019 130.030 130.274 130.275 130.312	1/8" IG 1/8" AG 1/4" AG 1/4" IG M6 AG
10.050.017._	50	20	15	8	3,5	130.012 130.020 130.034 130.314	1/8" AG 1/8" IG 1/4" AG M6 AG

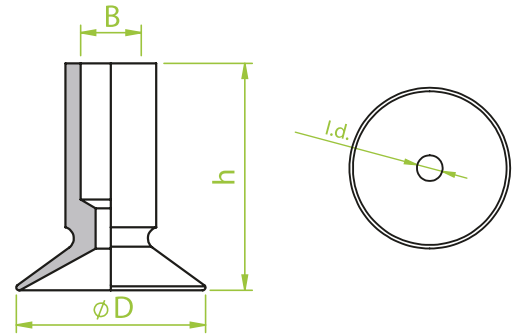
Positionsstabile Flachsauggreifer | Position-stable flat cups


Art.	D	l.d.	h	B			Gewinde Thread
13.060.006._	62	-	16	IG 1/4"	5	130.090 130.176	1/4" AG 1/4" AG
13.080.007._	80	-	18	IG 1/4"	6	130.090	1/4" AG
13.095.008._	95	-	19	IG 1/4"	6	130.090	1/4" AG

Flachsauger mit Metallkernverstärkung | Flat cups with metal core reinforcement


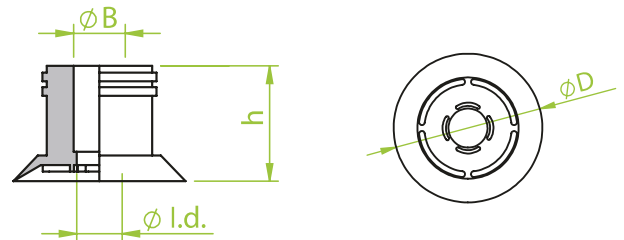
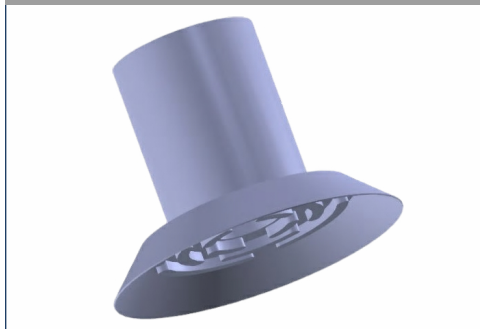
Art.	D	l.d.	h			Gewinde Thread
13.120.009._	117	14	25,5	5	130.056	1/2" IG
13.150.010._	150	13,5	32,5	7	130.056	1/2" IG
13.191.011._	193	13	37,5	12	130.056	1/2" IG

Flachsauger mit langem Schaft | Flat cups with long shaft

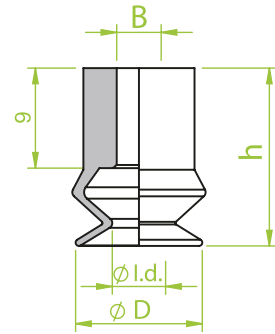




Art.	D	I.d.	h	B			Gewinde Thread
10.006.150._	6,5	1	12	2	2	-	-
10.010.191._	10	2	12	3	1	-	-
10.016.243._	16	3	20	5	5	130.013 130.023 130.109 130.194 130.238	M5 AG M5 AG 1/8" IG 1/4" AG 1/8" AG
10.025.350._	25	4	30	8	5	130.043 130.114	1/4" AG 1/8" IG
10.040.357._	40	4,4	40	11	4	130.049	1/4" AG
10.068.520._	68	8	62	20	10	-	-

Flachsauger für Papier und Folien | Flat cups for paper and foils

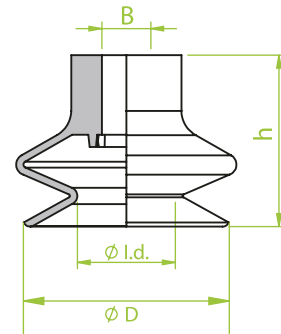




Art.	D	I.d.	h	B			Gewinde Thread
10.015.031._	15	3,5	10	4	1	-	-
10.020.613._	20,5	4	10,4	4,5	2	-	-
10.026.032._	25,7	4	11	4	1	130.003 130.013 130.033 130.087	1/8" AG M5 AG 1/8" AG 1/8" AG
10.030.102._	30,7	6	23,2	11	3	130.609	1/4" AG
10.034.397._	34	6	20	6	3	130.274 130.275	1/4" AG 1/4" IG
10.040.101._	40	5	20	8	2	130.019 130.030 130.113	1/8" IG 1/8" AG 1/4" AG

Balgensauger mit optimalem Dämpfungseffekt | Bellow cups with an optimal damping effect


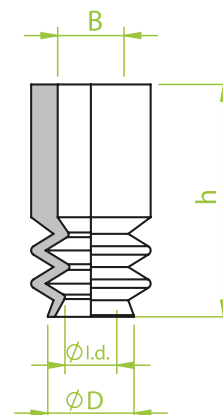
Art.	D	l.d.	h	B			Gewinde Thread
210.011.141._	11,4	4,8	16	4	4,5	130.003 130.013 130.015 130.103	1/8" AG M5 AG 1/8" IG M6 AG
210.013.201._	13	4,8	15	3,8	4	130.087 130.317	1/8" AG M5 AG
210.016.009._	16	8,6	19	3,7	6	130.003 130.015 130.104 130.134	1/8" AG 1/8" IG M6 AG M5 AG
210.019.155._	19,5	10	15,5	4	4	130.003 130.013 130.103 130.109 130.194	1/8" AG M5 AG M6 AG 1/8" IG 1/4" AG
210.022.177._	22	11	17,5	4	8	130.003 130.013 130.015 130.103	1/8" AG M5 AG 1/8" IG M6 AG
210.025.137._	25	9,5	23	3,8	9	130.003 130.013 130.103 130.109	1/8" AG M5 AG M6 AG 1/8" IG

Sehr gute Anpassung an gewölbte Werkstücke | Very good adaption to curved work pieces



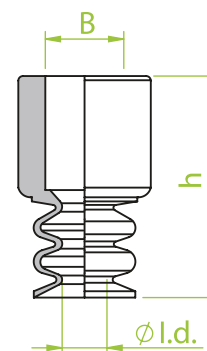
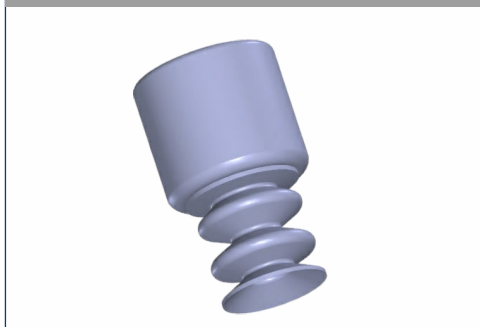
AG	D	l.d.	h	B			Gewinde Thread
210.033.022._	33	16	28	8	12	130.114	G1/8" IG
210.043.005._	43	21,2	28	8	12	130.132	G1/8" AG
210.053.017._	53	33	34	8	11	130.190	G1/4" AG
						130.192	G1/4" IG
210.078.131._	78	53	47	12	14	130.622	G1/4" AG
						130.623	G1/4" IG

Kleine Balgensauger mit großem Hub | *Small bellows cups with big travel*



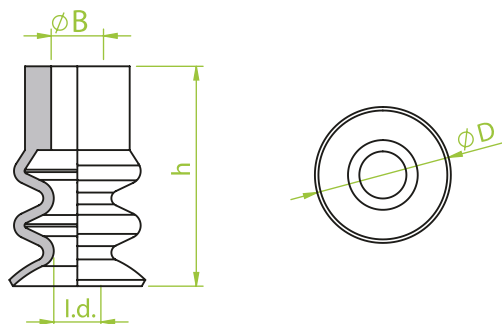
Art.	D	l.d.	h	B			Gewinde Thread
220.005.017._	5,2	3,1	14	4	3	130.104 130.134 130.627	M6 AG M5 AG M5 AG



Kleine Balgensauger mit flexibler Dichtlippe | *Small bellows cups with flexible sealing-lip*



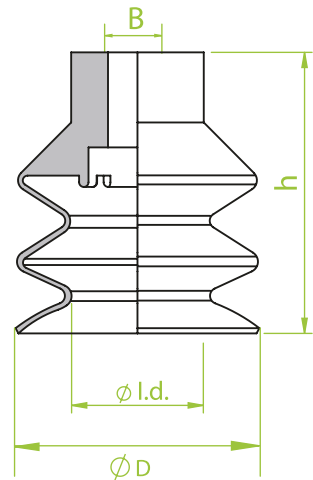
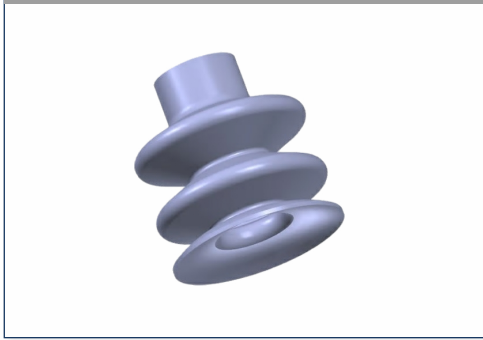
AG	D	l.d.	h	B			Gewinde Thread
220.006.032._	6,5	2,6	14,5	5	3,5	130.003 130.015 130.024	G1/8" AG G1/8" IG M5 AG
220.009.105._	10	4,2	15	4	2	130.003 130.015 130.103	1/8" AG 1/8" IG M6 AG

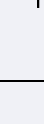

Sehr flexible Balgensauger | Very flexible bellows cups

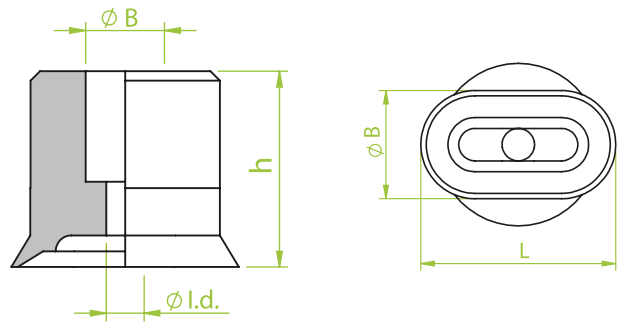
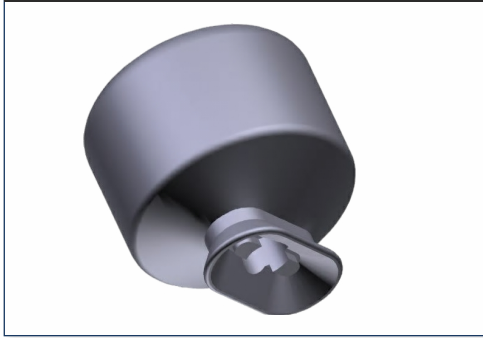




Art.	D	I.d.	h	B			Gewinde Thread
220.012.108._	12	5	21	3,8	7	130.013 130.194 130.238	M5 AG 1/4" AG 1/8" AG
220.014.009._	14	5	22	4	12	130.003 130.013 130.015 130.103	1/8" AG M5 AG 1/8" IG M6 AG
220.018.063._	18,5	7,8	22	4,5	8	130.003 130.013 130.015 130.103 130.194 130.275	1/8" AG M5 AG 1/8" IG M6 AG 1/4" AG 1/4" IG
220.020.107._	20	10	23	4	8	130.003 130.013 130.015 130.103 130.194	1/8" AG M5 AG 1/8" IG M6 AG 1/4" AG
220.025.113._	25	10	34	3,9	19	130.003 130.013 130.103 130.109 130.066 130.194	1/8" AG M5 AG M6 AG 1/8" IG 1/4" AG 1/4" IG

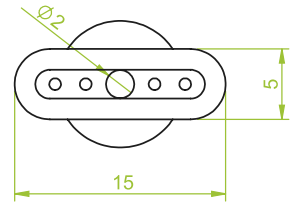
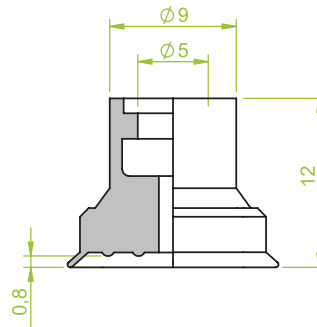
Flexible Balgensauger mit großem Hub | Flexible bellows cups with big travel



Art.	D	l.d.	h	B			Gewinde Thread
220.032.003_	32	16	37,5	8	13	130.114 130.132 130.190 130.192 130.315	1/8" IG 1/8" AG 1/4" AG 1/4" IG M6 AG
220.043.004_	42	16	45	8	19	130.114 130.132 130.190 130.192	1/8" IG 1/8" AG 1/4" AG 1/4" IG
220.062.035_	62,2	29	55	8,5	25	130.092 130.093 130.281 130.282	1/8" IG 1/8" AG 1/4" AG 1/4" IG
220.088.036_	88	28	85	12	35	130.184	1/4" AG

Flache Sauggreifer in ovaler Bauform | Flat suction gripper in oval design


Art.	LxB	I.d.	h	Ø B			Gewinde Thread
30.004002.003._	4,3 x 2,5	1,2	6	2,6	0,5	130.300	M5 AG
30.007004.005._	7,2 x 4	1,2	6,2	2,5	0,8	130.014	M3 AG
						130.111	M4 AG
						130.300	M5 AG
						130.025	M3 AG
30.012004.029._	12x4	1,5	15	4	0,5	130.024	M5 AG
						130.104	M6 AG
						130.134	M5 AG

Flache Sauggreifer in ovaler Bauform | Flat suction gripper in oval design


Art.	LxB	l.d.	h	Ø B			Gewinde Thread
30.015005.017._	15x5	2	11,5	5	1	130.005 130.094 130.103 130.095 130.096	M5 IG M5 AG M6 AG 1/8"AG 1/8" IG
30.018006.018._	18x6	1	12	4,5	1	130.013 130.005 130.103 130.095 130.096	M5 AG M5 IG M6 AG 1/8" AG 1/8" IG
30.024008.019._	24x8	1,5	12	5,5	1	130.005 130.094	M5 IG M5 AG
30.030010.020._	30x10	3,4	12	4,5	2	130.103 130.095	M6 AG 1/8"AG
30.036012.021._	36x12	3,4	12	4,5	2	130.096	1/8" IG
30.045015.022._	45x15	4	21	13,2	3	130.097 130.098 130.245	1/4"AG 1/4"IG 1/4"AG
30.060020.023._	60x20	5	21	11	4		
30.075025.024._	75x25	3,5	22	11	3		
30.085028.025._	85x28	5	22	11	4		

Weitverbreitete Vakuumsauger für vielseitigen Einsatz | *Wide spread vacuum cups for versatile use*

■ Beschreibung:

- Durch ihre besondere Form zeichnen sich diese hier abgebildeten Flach- und Balgensauger aus. Die Einsatzbereiche sind vielfältig und reichen von der einfachen Anwendung ebener und leicht gewölbter Flächen bis hin zu Applikationen, bei denen große Hubhöhen notwendig sind.
- Neben den einfachen Standard-Flachsaugern existieren solche mit integrierten Abstützrippen, die eine Verformung des angesaugten Gegenstandes verhindern. Außerdem verleihen sie dem Saugnapf eine gute Stabilität und erhöhen die Haltekraft durch die Vergrößerung der aktiven Ansaugfläche.
- Typische Anwendungen, bei denen diese Sauger vorwiegend zur Anwendung kommen:
- Ansaugen von Kartonagen in dünnen Blechen, Kunststoffplatten, Glas, Beuteln und Säcken ...
- Für sämtliche dieser Vakuumsauger stehen Anschlusssteile mit Innen- oder Außengewinde zur Verfügung.

■ Einsatz

- Kunststoffindustrie
- Verpackung
- Holz, Metall

■ Description:

- *These flat and bellows cups illustrated here distinguish themselves by her special form. The areas of application are varied and reach from the easy application of plane and slightly curved surfaces up to applications by which big vertical lifts are necessary.*
- *Beside the standard flat suction cups those exist with integrated cleats which prevent a deformation of the sucked object. Moreover, the cup has a good stability and raise the hold force by the enlargement of the active suction surface.*
- *Typical applications of these cups are mainly: Suctioning from cardboards, thin metal sheets, plastic panels, glass, bags and sacks*

Fittings with female and male thread are available for all these vacuum cups.

■ Application:

- *Plastic industry*
- *Packaging*
- *Wood, metal*

Flachsauger | Flat cups

Flachsauger mit und ohne Abstützrippen | Flat cups with and without cleats

■ Einleitungstext:

- Besonders geeignet für flache Objekte wie Kartonagen, Bleche, Glas, Elektronik- und Halbleiterprodukte.
- Die Sauger verfügen über eine hohe Saugkraft und sind bei Verschleiß leicht auszutauschen.

■ Introduction text:

- Particularly suitable for plane objects like cardboard packagings, metal sheets, glass, electronics and semiconductor products.
- The cups dispose of a high suction force and are easy to change.

langer Schaft long shaft



- Durchmesser: 5 bis 16 mm
- Für Universaleinsatz
- Diameter: 5 to 16 mm
- For universal use

Einfache Ausführung Basic design



- Durchmesser: 22 bis 52 mm
- Für ebene oder leicht gewölbte Flächen
- Diameter: 22 to 52 mm
- For plane and easily curved surfaces

Inkl. Abstützrippen incl. cleats



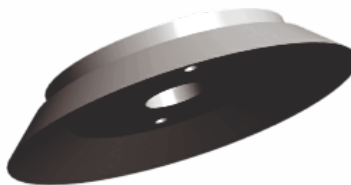
- Durchmesser: 22 bis 52 mm
- Hohe Eigenstabilität
- Diameter: 22 to 52 mm
- High stability

Glockensauger Bell-shaped cups



- Durchmesser: 22 bis 53 mm
- Tiefe Bauform: Zum Greifen von Ecken und Kanten
- Diameter: 22 to 53 mm
- Deep construction form: To the gripper of rough edges

Scheibenförmige Flachsauger Disc-shaped flat cups



- Durchmesser: 75 bis 150 mm
- Für ebene Flächen und schwere Lasten
- Diameter: 75 to 150 mm
- For planes surfaces and heavy loads

Balgensauger mit unterschiedlichem Federweg | *Bellow cups with different travel*■ **Einleitungstext:**

- Besonders geeignet bei Anwendungen, die eine Höhenanpassung bei unregelmäßigen Oberflächen erfordern, z.B. Abgestufte Kunststoffteile, Wellbleche usw.
Der Balg ermöglicht außerdem eine Vertikale Hubbewegung, die es erlaubt dünne Gegenstände voneinander zu trennen.

■ **Introduction text:**

- *Particularly suitably with applications which require a height adaptation with irregular surfaces, e.g., graded plastic parts, corrugated irons etc.*
Moreover, the bellow allows a vertical travel movement, which to separate it permissible thin objects of each other.

langer Schaft
long shaft


- Durchmesser: 5 bis 16 mm
- 1,5 Falten
- Für leichte Objekte
- Diameter: 5 to 16 mm
- 1,5 folds
- For light objects

Einfache Ausführung
Basic design


- Durchmesser: 20 bis 52 mm
- 1,5 Falten
- Für Hubausgleich bis max. 12 mm
- Diameter: 20 to 52 mm
- 1,5 folds
- For bigger loads

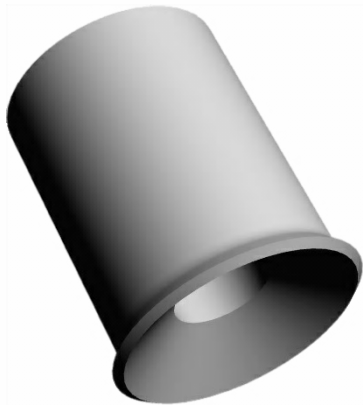
Mit innerer Abstützung
With support structure


- Durchmesser: 75 bis 150 mm
- 1,5 Falten
- Für größere Lasten
- Highlights
- Highlights: Ø 85 mm vulkanisiert
- Highlightsgewölbter Teile und gleicht Höhenunterschiede aus.

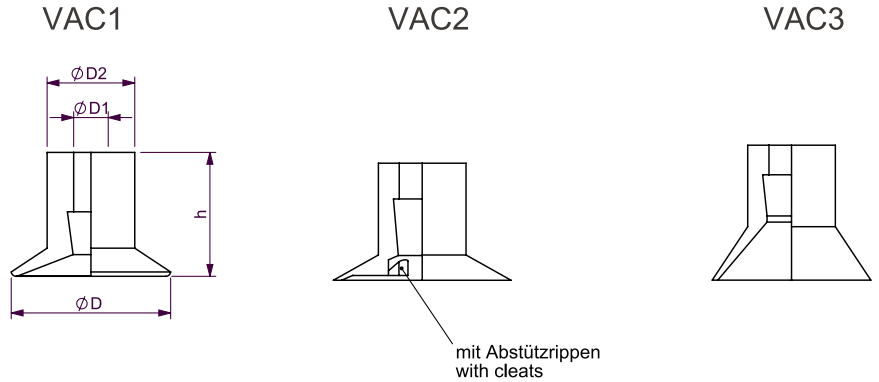
Mehrfaltensauger
Multi-bellows cups


- Durchmesser: 20 bis 50 mm
- 4,5 Falten
- Für großen Hubausgleich
- Diameter: 20 to 50 mm
- 4,5 folds
- For big travel balances

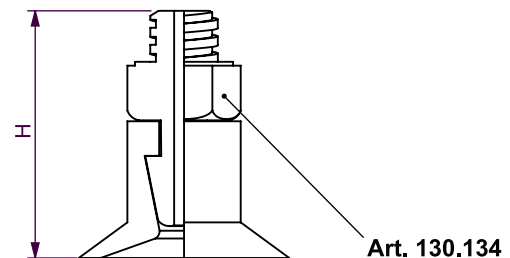
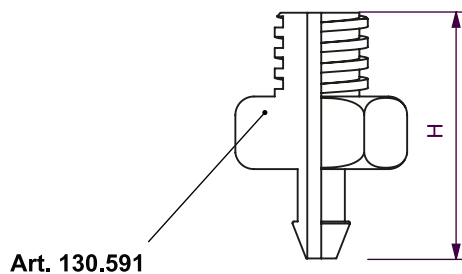
Flachsauger mit langem Schaft | Flat cups with long shaft



- Flachsauger Ø5 – Ø16 mm für Universaleinsatz
- Flat vacuum cups Ø5 – Ø 16 mm for universal application

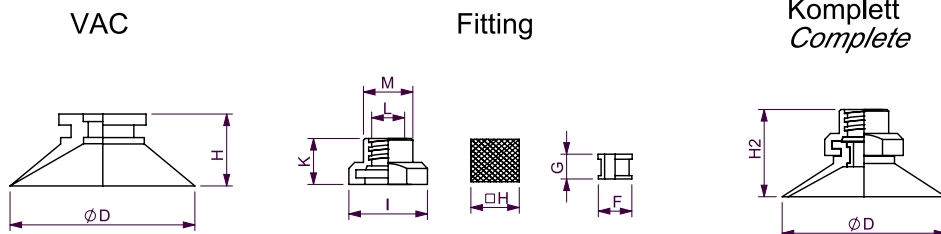





VAC	Art.				D	D1	D2	h	H	Komplett mit Anschlussstück Complete with fitting
VAC-1	10.005.034_	130.591	0,5	0,1	5	2	4,5	6	14,4	12.005.040_
VAC-1	10.007.035_	130.591	1	1,1	7	2	5	6,5	15	12.007.041_
VAC-1	10.009.020_	130.591	1,5	1	9	2	5	6,5	15	12.009.042_
VAC-1	10.011.036_	130.134	1	0,3	11	3,8	9	10,5	19,5	12.011.043_
VAC-1	10.016.037_	130.134	2	0,8	16,5	3,8	9	11,5	20,5	12.016.044_
VAC-2	10.016.039_	130.134	0,5	1	16,5	3,8	8	11,5	20,5	12.016.046_
VAC-3	10.016.038_	130.134	2,5	1	16,5	3,8	9	16,5	25,5	12.016.045_



Flachsauger - einfache Ausführung | Flat cups - basic design


- Flachsauger Ø22 – Ø52 mm für ebene oder leicht gewölbte Flächen
- Flat vacuum cups Ø22 – Ø 52 mm for flat or slightly curved surfaces

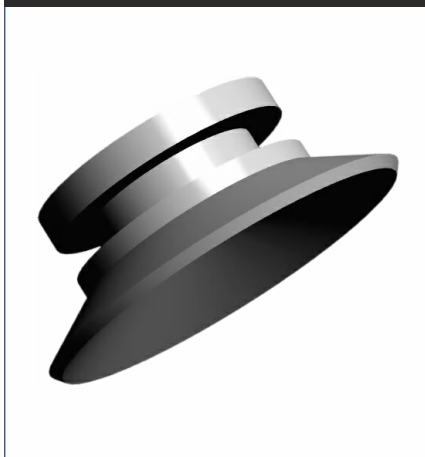


VAC Art.				Haltering Reinforcement ring	Komplett mit Anschlussstück Complete with fitting
10.022.120._	130.250	2,5	1	HR.011	11.022.020._
10.032.121._	130.250	4,5	1	HR.011	11.032.021._
10.042.122._	130.251	5	5	HR.012	11.042.022._
10.052.123._	130.252	6,5	11	HR.013	11.052.023._

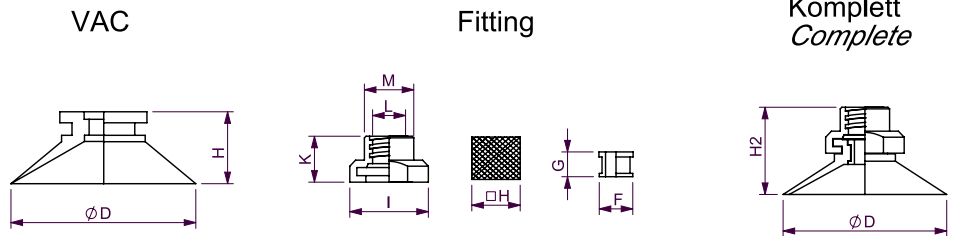
Abmessungen in mm
Dimensions in mm

Vakuumsauger Vacuum cups			Fitting					Haltering Retaining ring		
VAC Art.	Ø D	H	H1	Ø A	B	C	E	Ø N	Ø O	P
11.022.020._	22	8	17,5	16	14,5	M5	G1/8"	14	9,7	1,8
11.032.021._	32	10	19	16	14,5	M5	G1/8"	14	9,7	1,8
11.042.022._	42	13	21	21	15	G1/8"	15	20	13	2,5
11.052.023._	52	17,5	27	28	18	G1/8"	15	26	19	3,2

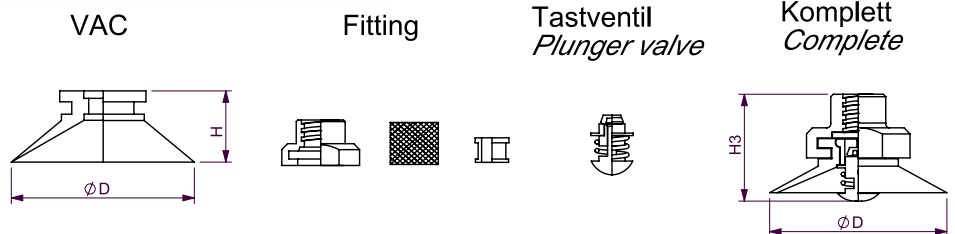
Flachsauger - einfache Ausführung | flat cups - basic design



- Flachsauger Ø22 – Ø52 mm für ebene oder leicht gewölbte Flächen
- Flat vacuum cups Ø22 – Ø 52 mm for flat or slightly curved surfaces



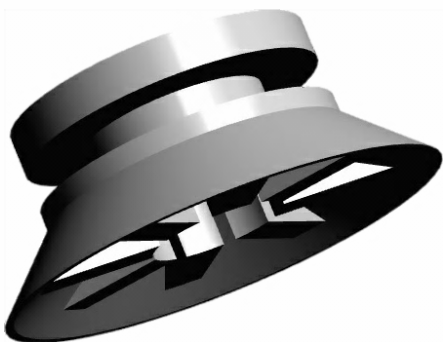
VAC Art.				Komplett mit Anschlussstück Complete with fitting
10.022.120._	2,5	1	130.135	11.022.001._
10.032.121._	4,5	1	130.135	11.032.012._
10.042.122._	5	5	130.136	11.042.013._
10.052.123._	6,5	11	130.137	11.052.014._



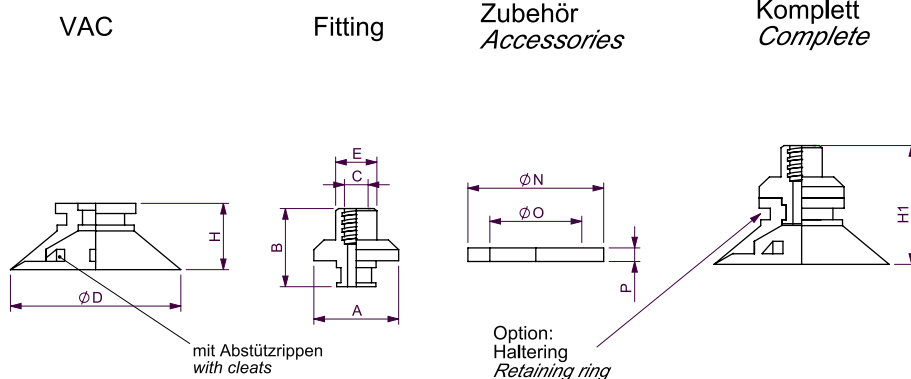
VAC Art.		Tastventil Plunger valve	Komplett mit Anschlussstück Complete with fitting
10.022.120._	130.135	–	–
10.032.121._	130.135	130.276	11.032.012._TV
10.042.122._	130.136	130.277	11.042.013._TV
10.052.123._	130.137	130.278	11.052.014._TV

Vakuumsauger Vacuum cups				Fitting							
VAC Art.	Ø D	H	H2	H3	Ø F	G	□ H	Ø I	K	L	M
11.022.001._	22	8	16	–	7	5	11	18	11	M5	G1/8"
11.032.012._	32	10	17,3	20	7	5	11	18	11	M5	G1/8"
11.042.013._	42	13	21	23	10	7	15	23	13	G1/8"	---
11.052.014._	52	17,5	26	28	14	9	21	32	15	G1/8"	---

Flachsauger - inkl. Abstützrippen | Flat cups - incl. cleats



- Flachsauger Ø22 – Ø53 mm mit Abstützrippen für bessere Stabilität
- Flat vacuum cups Ø22 – Ø 53 mm for universal application



VAC Art.				Haltering Retaining ring	Komplett mit Anschlussstück
10.022.005_	0,5	1	130.250	HR.011	11.022.015_
10.028.098_	1	2	130.250	HR.011	11.028.016_
10.032.022_	1,5	2	130.250	HR.011	11.032.017_
10.042.099_	2	6	130.251	HR.012	11.042.018_
10.053.100_	3	12	130.252	HR.013	11.053.019_

Abmessungen in mm

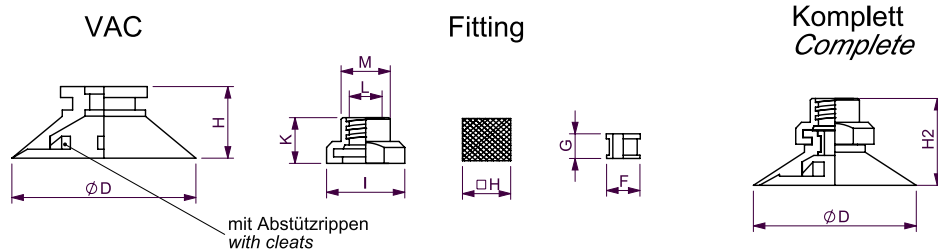
Dimensions in mm

Vakuumsauger Vacuum cups			Fitting				Haltering Retaining ring			
VAC Art.	Ø D	H	H1	Ø A	B	C	E	Ø N	Ø O	P
11.022.015_	22	8	17,5	16	14,5	M5	G1/8"	14	9,7	1,8
11.028.016_	28	9	19	16	14,5	M5	G1/8"	14	9,7	1,8
11.032.017_	32	10	19	16	14,5	M5	G1/8"	14	9,7	1,8
11.042.018_	42	13	21	21	15	G1/8"	15	20	13	2,5
11.053.019_	53	17,5	27	28	18	G1/8"	15	26	19	3,2

Flachsauger mit Abstützrippen | Flat cups with cleats



- Flachsauger Ø22 – Ø53 mm mit Abstützrippen für bessere Stabilität
- Flat vacuum cups Ø22 – Ø 53 mm with cleats for better stability



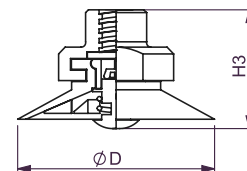
VAC Art.				Gewinde Thread	Komplett mit Anschlussstück
10.022.005_	0,5	1	130.135	1/8" AG - M5 IG	11.022.004_
10.028.098_	1	2	130.135		11.028.005_
10.032.022_	1,5	2	130.135		11.032.006_
10.042.099_	2	6	130.136	1/8" IG	11.042.007_
10.053.100_	3	12	130.137	1/8" IG	11.053.008_

VAC Art.		Tastventil Plunger valve	Komplett mit Anschlussstück
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

Tastventil
Plunger valve



Komplett
Complete

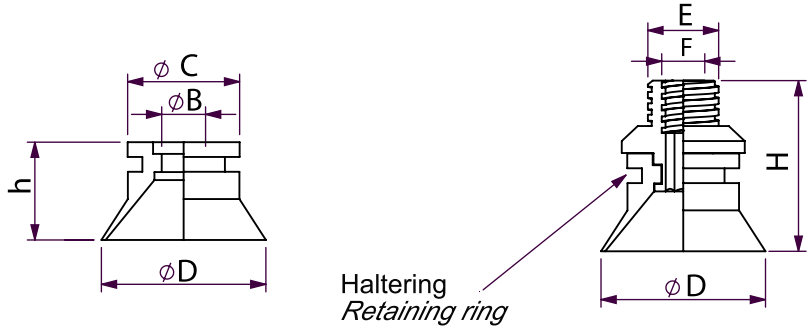


Vakuumsauger Vacuum cups					Fitting						
VAC Art.	Ø D	H	H2	H3	Ø F	G	□ H	Ø I	K	L	M
11.022.004_	22	8	16	-	7	5	11	18	11	M5	G1/8"
11.028.005_	28	9	17	-	7	5	11	18	11	M5	G1/8"
11.032.006_	32	10	18	20	7	5	11	18	11	M5	G1/8"
11.042.007_	42	13	21	23	10	7	15	23	13	G1/8"	15
11.053.008_	53	17,5	26	28	14	9	21	32	15	G1/8"	15

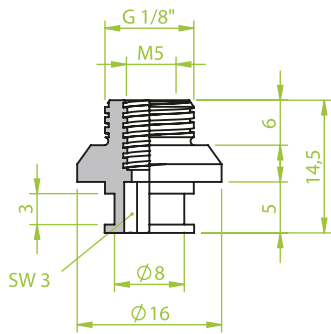
Glockensauger | Bell-shaped cups



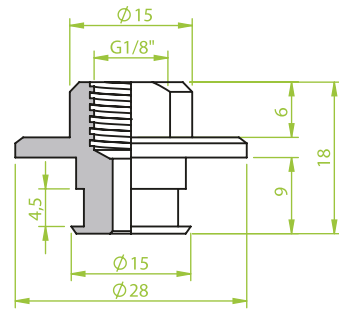
- Flachsauger Ø22 – Ø53 mm für unregelmäßige Flächen (Ecken, Kanten)
- Flat vacuum cups Ø22 – Ø 53 mm for irregular surfaces (Corners, edges)



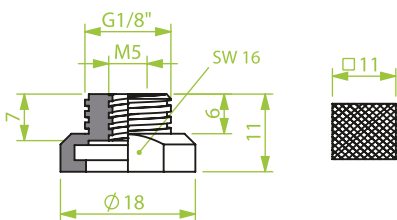
VAC Art.	D	h	B	C			Haltering Retaining ring	Komplett Complete	H	E	F	
10.022.126_	22	13	5	14,5	1,2	130.250 130.135	HR.011	11.022.028_	22,5	G1/8	M5	2,5
10.032.127_	32	19	5	14,5	3	130.250 130.135	HR.011	11.032.029_	28,5	G1/8	M5	5
10.053.128_	53	31,5	10,5	27	15,4	130.252 130.137	HR.013	11.053.030_	40,5	Ø 15	G1/8	9
								11.053.027_	39,5			



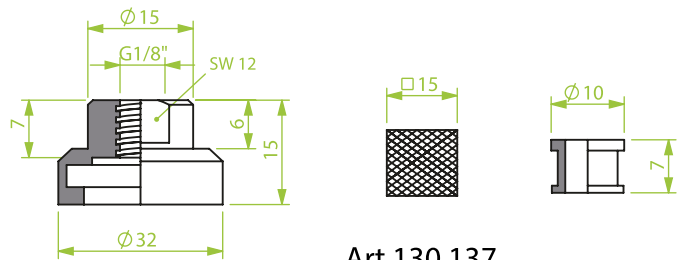
Art.130.250



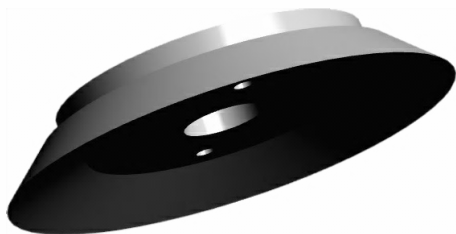
Art.130.252



Art.130.135

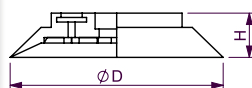


Art.130.137

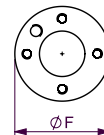
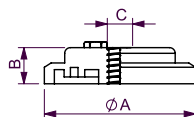
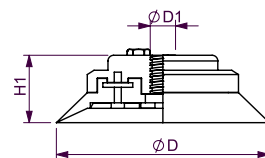
Scheibenförmige Flachsauer | *Disc-shaped flat cups*

- Flachsauer Ø75 – Ø150 mm für ebene Flächen u. höhere Haltekräfte
- Flat vacuum cups Ø75 – Ø 150 mm for irregular surfaces and higher lifting forces

VAC



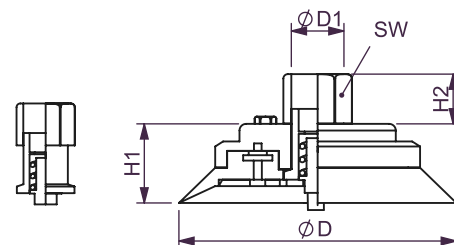
Fitting

Komplett
Complete

VAC Art.				Gewinde Thread	Komplett mit Anschlussstück Complete with fitting
10.075.117._	2	24	130.138	1/8" IG	11.075.009._
10.110.118._	5	74	130.139	1/2" IG	11.110.010._
10.150.119._	5	199	130.140	1/2" IG	11.150.011._

Tastventil
*Plunger valve*Komplett
Complete

VAC Art.		Tastventil Plunger valve	Komplett mit Anschlussstück Complete with fitting
10.075.117._	130.138	135.206	11.075.009._TV
10.110.118._	130.139	135.206	11.110.010._TV
10.150.119._	130.140	135.207	11.150.011._TV

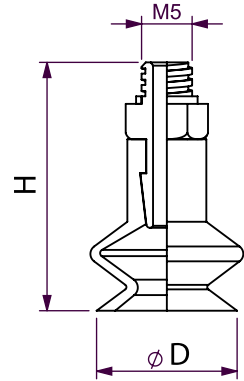
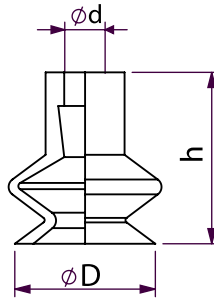


VAC Art.	Vakuumsauger Vacuum cups					Fitting					
	D	D1	H	H1	H2	A	B	C	E	F	SW
11.075.009._	75	G1/8"	14	20	17	60	12	G1/8"	15	50	14
11.110.118._	110	G1/2"	19	26	32	85	13	G1/2"	30	74	30
11.150.011._	150	G1/2"	25	32	32	120	14	G1/2"	30	100	30

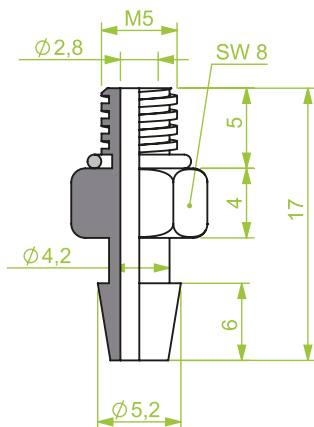
Balgensauger - langer Schaft | Bellows cups - long shaft



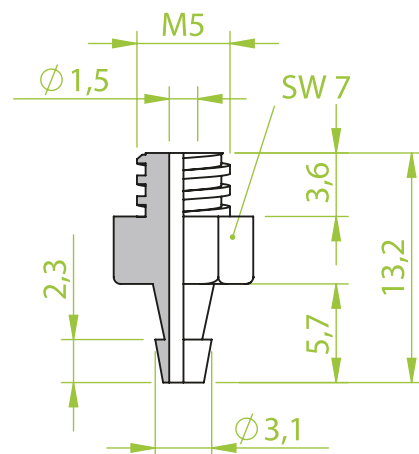
- Balgensauger- 1,5 Falten, Ø5 u. Ø16 mm für geringen Hubausgleich
- Bellows vacuum cups – 1,5 folds, Ø5 and Ø 16 mm for less stroke compensation



VAC Art.	Ø D	Ø d	h	H		Komplett mit Anschlusssteil Complete with fitting		
210.005.045_	5,4	2	9,5	17	130.153	212.005.015_	2	0,1
210.008.010_	8,8	2	12	19,5	130.153	212.008.016_	3,5	0,2
210.011.001_	11	4	16	26	130.134	212.011.011_	4	1
210.016.026_	16	4	19	28	130.134	212.016.012_	5	1,4



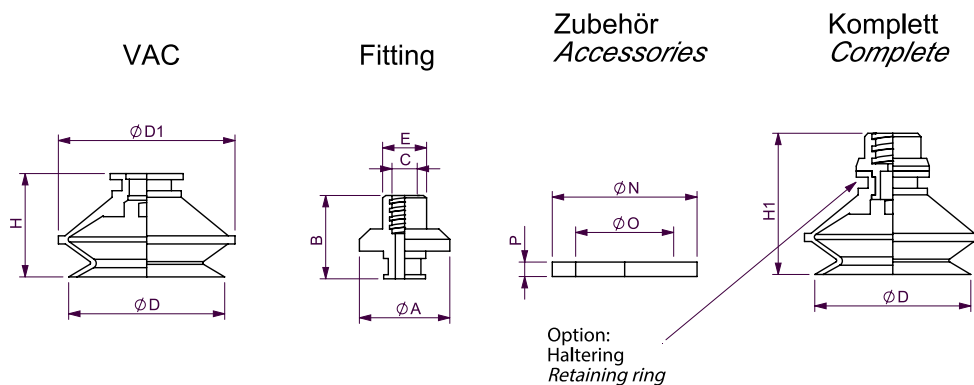
Art. 130.134






Art. 130.153

Balgensauger - einfache Ausführung | Bellow cups - basic design


- Balgensauger - 1,5 Falten – Ø20 - Ø52mm für Hubausgleich bis max. 12 mm
- Bellows vacuum cups- 1,5 folds. Ø20 - Ø52mm for stroke compensation till Max. 12 mm



VAC Art.		Gewinde Thread			Haltering Retaining ring	Komplett mit Anschlussstück Complete with fitting
210.020.031._	130.250	1/8" AG	9	2,5	HR.011	211.020.010._
210.033.019._	130.250			6,5		211.033.011._
210.042.020._	130.251	1/8" IG		10	HR.012	211.042.012._
210.052.032._	130.252	1/8" IG	12	22	HR.013	211.052.013._

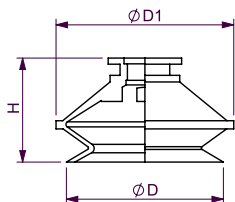
Abmessungen in mm
Dimensions in mm

VAC Art.	Vakuumsauger Vacuum cups				Fitting				Haltering Retaining ring		
	Ø D	Ø D1	H	H1	Ø A	B	C	Ø E	Ø N	Ø O	P
211.020.010._	21,5	24	20	28,5	16	14,5	M5	G1/8"	14	9,7	1,8
211.033.011._	33	36	26	33,5	16	14,5	M5	G1/8"	14	9,7	1,8
211.042.012._	42	46	28	36	21	15	G1/8"	15	20	13	2,5
211.052.013._	52	58	35	44	28	18	G1/8"	15	26	19	3,2

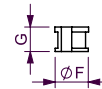
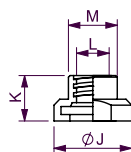
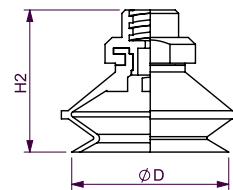
Balgensauger - einfache Ausführung | Bellow cups - basic design


- Balgensauger- 1,5 Falten, Ø20 – Ø52 mm für Hubausgleich bis max. 12 mm
- Bellows vacuum cups- 1,5 folds, Ø20 – Ø 52 mm for stroke compensation till max. 12 mm

VAC



Fitting

Komplett
Complete

VAC Art.				Komplett mit Anschlussstück Complete with fitting
210.020.031._	130.135	9	2,5	211.020.002._
210.033.019._	130.135	9	6,5	211.033.003._
210.042.020._	130.136	9	10	211.042.004._
210.052.032._	130.137	12	22	211.052.005._

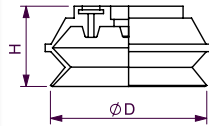
Vakuumsauger Vacuum cups					Fitting						
VAC Art.	D	D1	H	H2	F	G	□H	J	K	L	M
211.020.002._	21,5	24	20	26,5	7	5	11	18	11	M5	G1/8"
211.033.003._	33	36	26	34,5	7	5	11	18	11	M5	G1/8"
211.042.004._	42	46	28	35	10	7	15	23	13	G1/8"	15
211.052.005._	52	58	35	43	14	9	21	32	15	G1/8"	15

Abmessungen in mm / Dimensions in mm

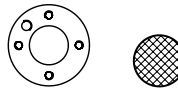
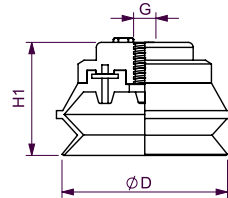
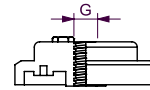
Mit innerer Abstützung | With support structure


- Balgensauger - 1,5 Falten, Ø75 – Ø150 mm für höhere Haltekraft
- Bellows vacuum cups - 1,5 folds, Ø75 – Ø 150 mm for higher lifting force

VAC



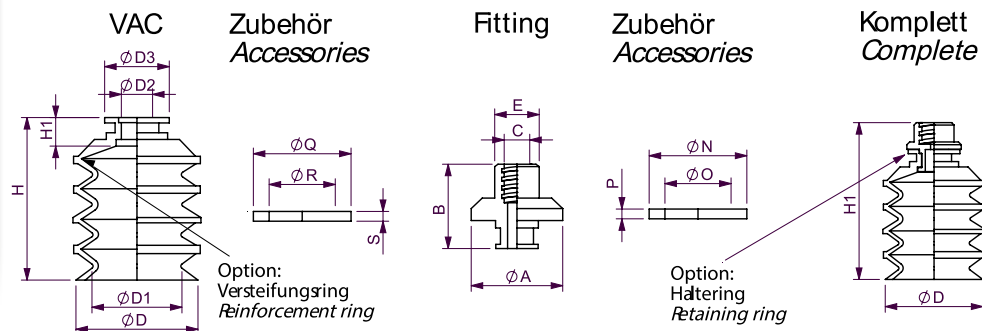
Fitting

Komplett
Complete

VAC Art.	Ø D	H	H1				Gewinde Thread	Komplett mit Anschlussstück Complete with fitting
210.075.033._	78	38	45	22	45	130.138	1/8" IG	211.075.006._
210.110.034._	114	51	60	35	110	130.139	1/2" IG	211.110.007._
210.150.035._	155	70	79	40	293	130.140	1/2" IG	211.150.008._

Mehrfaltensauger | Multi-bellow cups


- Balgensauger- 4,5 Falten Ø20 – Ø50 mm für großen Hubausgleich
- Bellows vacuum cups- 4,5 folds, Ø20 – Ø 50 mm for greater stroke compensation



VAC Art.		Gewinde Thread			Versteifungsring Reinforcement ring	Haltering Retaining ring	Komplett mit Anschlussstück Complete with fitting
240.020.002_	130.250	1/8" AG	16	2	VR.000	HR.011	241.020.005_
240.030.003_	130.251	1/8" IG	21	6	VR.001	HR.012	241.030.006_
240.040.004_	130.251		20	15	VR.002	HR.012	241.040.007_
240.050.005_	130.252		25	25	VR.003	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
241.020.005_	20	14	5	14,5	23	5	32	16	14,5	M5	G1/8"
241.030.006_	30	21	6,5	20	32	7	40	21	15	G1/8"	15
241.040.007_	40	28	6,5	20	42	7	50	21	15	G1/8"	15
241.050.008_	50	35	10,5	27	52	10	61	28	18	G1/8"	15

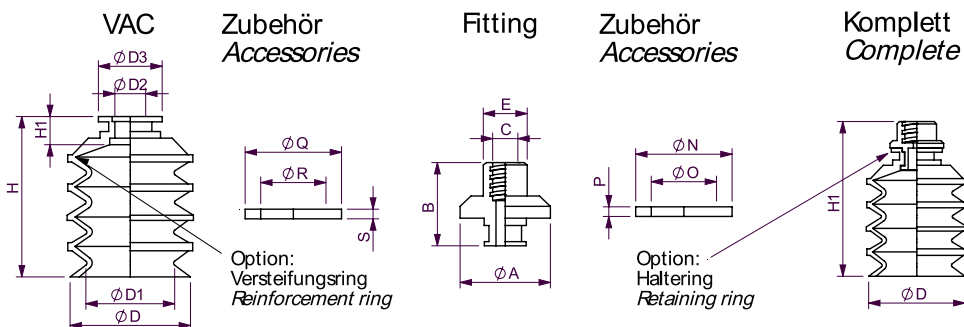
Versteifungsring Reinforcement ring				Haltering Retaining ring			
Art.	Ø Q	Ø R	S	Art.	Ø N	Ø O	P
VR.000	17,5	13,5	1	HR.011	14	9,7	1,8
VR.001	26,5	22	1,1	HR.012	20	13	2,5
VR.002	35,5	30	1,2	HR.012	20	13	2,5
VR.003	45,5	36	1,5	HR.013	26	19	3,2




Abmessungen in mm / Dimensions in mm

Mehrfaltensauger | Multi-bellow cups



- Balgensauger- 4,5 Falten Ø20 – Ø50 mm für großen Hubausgleich
- Bellows vacuum cups- 4,5 folds Ø20 – Ø 50 mm for greater stroke compensation



VAC Art.		Gewinde Thread			Komplett mit Anschlussstück Complete with fitting
240.020.002_	130.135	1/8" AG	16	2	241.020.001_
240.030.003_	130.136	1/8" IG	21	6	241.030.002_
240.040.004_	130.136		20	15	241.040.003_
240.050.005_	130.137		25	25	241.050.004_

VAC Art.	Vakuumsauger Vacuum cups							Fitting						
	Ø D	Ø D1	Ø D2	Ø D3	H	H1	H2	Ø F	G	□H	Ø J	K	L	M
241.020.001_	20	14	5	14,5	23	5	30	7	5	11	18	11	M5	G1/8"
241.030.002_	30	21	6,5	20	32	7	40	10	7	15	23	13	1/8"	15
241.040.003_	40	28	6,5	20	42	7	50	10	7	15	23	13	G1/8"	15
241.050.004_	50	35	10,5	27	52	10	61	14	9	21	32	15	G1/8"	15

Abmessungen in mm / Dimensions in mm

Vakuumsauger mit hoher Standzeit | Vacuum cups with long life



■ Beschreibung:

Diese Vakuumsauger-Serie besteht durch eine komplett neu entwickelte TPU- Materialmischung mit den besten Eigenschaften.

Ausgezeichnete Merkmale verleihen diesem Material herausragende Vorteile gegenüber herkömmlichen Standardmaterialien in der Vakuumsaugertechnik.

Hervorzuheben sind:

Die außergewöhnlich hohe Verschleißfestigkeit.
Beste Haftreibungseigenschaften.
Ein exzellentes Rückstellverhalten
Kleine Klebeneigung.
Eine nahezu vollkommene Abdruckfreiheit.

Die Balgensauger im zweifarbigen Design verfügen über eine Kombination unterschiedlicher Härtegrade. Während der steifere Balgenbereich mit 60° Shore dem Sauger eine ausgezeichnete Stabilität verleiht, bietet die weichere Saugerlippe in 30° Shore Flexibilität.

■ Einsatz

- Kunststoffindustrie, Verpackungsindustrie
- Möbel-, Holz- und Automobilzulieferindustrie

■ Description:

- *This vacuum cup series fascinates by one completely new developed TPU-material mixture with the best qualities.*
- *Excellent characteristics gives the material outstanding advantages to customary standard materials in the vacuum cup technology*

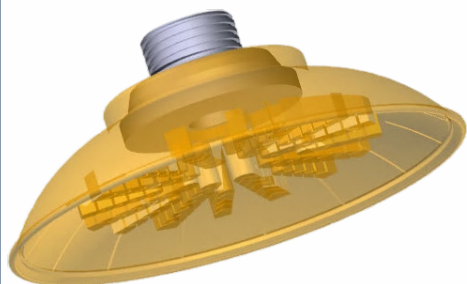
• Highlights are:

- The extremely high wear-resistance.*
- Best friction qualities*
- An excellent back set behaviour*
- Small tendency to adhere.*
- A nearly perfect anti marking.*

The Bellows suction cups in two-tone design dispose of a combination of different hardness grades. While the more stiff bellows area with 60° Shore lends the cup an excellent stability, the softer cup lip in 30° Shore offers instead flexibility.

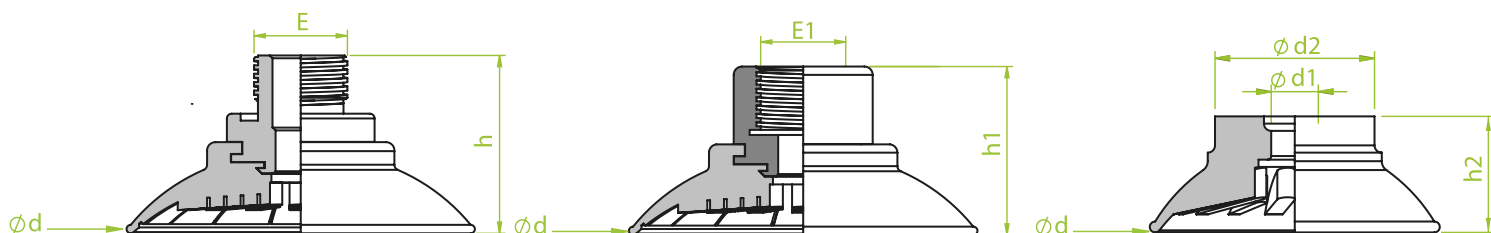
■ Application:

- *Plastic industry, packaging industry*
- *Furniture, wood and automobile industry.*

Verschleißfeste Vakuumsauger für Roboterhandling | Wear-resistant cups for robotic applications




■ Höhe Stabilität durch Abstützrippen
 Vulkanisierte Ausführung:
 Übertragung großer kinetischer Kräfte
 Beste Haftreibungseigenschaften
 Hochdruckarmes Material

■ High stability through cleats
 Vulcanized version:
 Transmission of big kinetic forces
 Best friction quality
 High anti-marking material

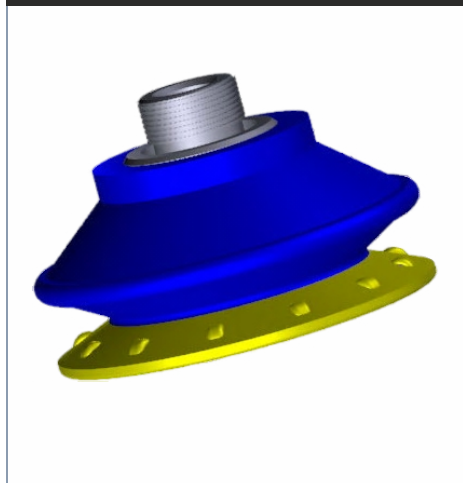

Flachsauger, steckbar - Flat cups, plug-in

Art.		Gewinde Thread	d	d1	d2	h2			Shorehärte Hardness
10.020.800._	130.250 130.291	1/8" AG	21,5	4,5	12	10	3,5	1,3	60
10.030.801._			31	4,5	14	13,5	6	2,9	
10.040.802._	130.451 130.452	1/4" AG 1/4" IG	40	6,5	22	16	9	6,6	

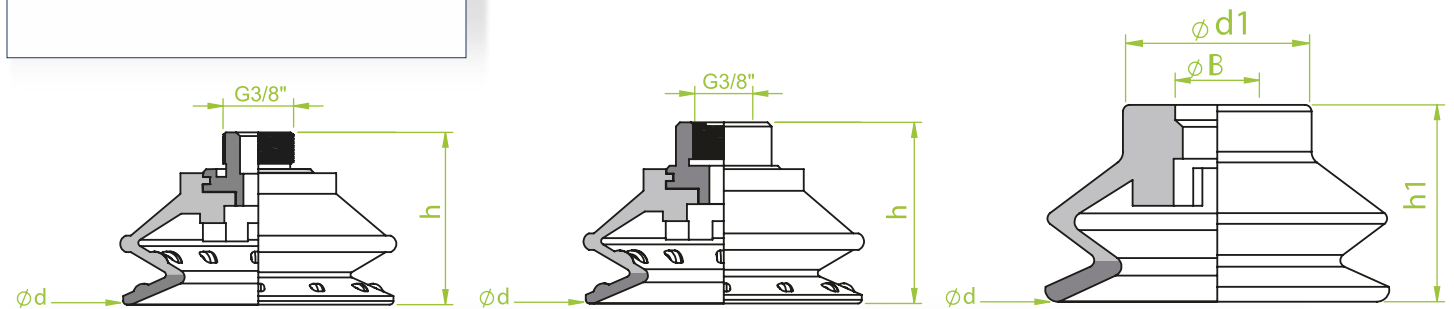
Vulkanisiert - vulcanized

AG.	IG.	d	h	h1	h2	E	E1			Shorehärte Hardness
14.060.800._	13.060.800._	62,3	31,8	30,3	16,3	3/8"		5	29,5	60
14.080.801._	13.080.801._	82,4	31,8	30,1	21,8			6	48,1	
14.100.802._	13.100.802._	105	35,2	35,6	25,6			8	88,5	
14.120.803._	13.120.803._	123	40	40	30			10	-	

Verschleißfeste Balgensauger für unebene Oberflächen | Wear resistant bellows cups for uneven surfaces

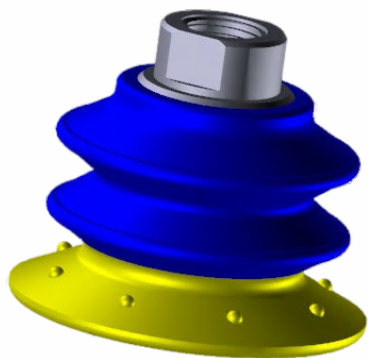


- Materialkombination unterschiedlicher Shorehärten
Stabiler Balgenbereich in 60° Shore (Blau)
Weiche, flexible Dichtlippe in 30° Shore (Gelb)
- Material combination in different shore-hardness
Stable bellows area in 60° Shore (Blue)
Soft, flexible sealing lip in 30° Shore (Yellow)



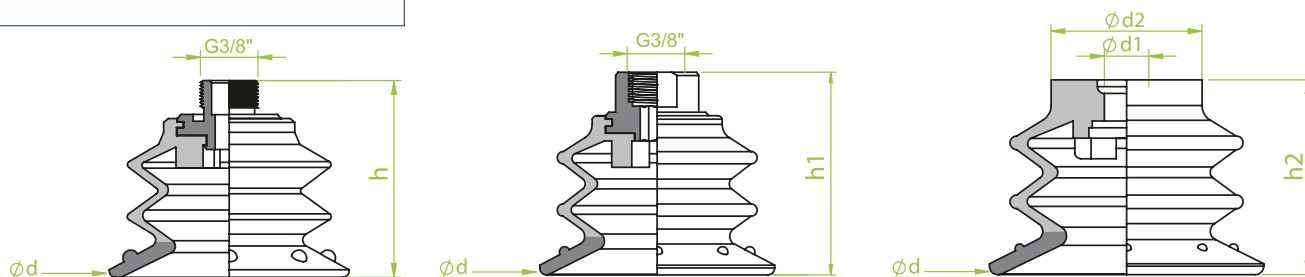
Balgensauger, steckbar - Bellows cups, plug-in									
VAC Art.		Gewinde Thread	d	B	d1	h1			Shorehärte Hardness
210.010.805._	130.134	M5 AG	10	3,9	9	16,5	5,5	1,36	40
210.015.800._	130.906		16	3,9	9	19	5,5	1,3	30 60
210.020.801._	130.016 130.250 130.291	M5 AG 1/8" AG 1/8" AG	21	5,2	12	18	7,6	2,04	30 60
210.030.802._	130.030 130.251	1/8" AG 1/8" IG	31	6,5	16,8	17	7,5	4,5	30 60
210.040.803._	130.251 130.293 130.903 130.501 130.549	1/8" IG 1/4" AG 1/4" IG 1/8" IG 1/8" AG	41	6,3	22,4	22,4	9,3	11,7	30 60
210.050.804._	130.252 130.294 130.296	1/8" IG 1/4" AG 3/8" AG	51	10,5	28	29,2	14,4	20,5	30 60

Vulkanisiert - vulcanized						
VAC Art.	Gewinde Thread	d	h			Shorehärte Hardness
213.070.800._	3/8 IG	73	48	18	61,5	30 60
214.070.800._	3/8 AG		46,5			

Verschleißfeste Balgensauger mit großem Hub | Wear-resistant bellows cups with big travel


- Materialkombination unterschiedlicher Shorehärten
Stabiler Balgenbereich in 60° Shore (Blau)
Weiche, flexible Dichtlippe in 30° Shore (Gelb)

- Material combination in different shore-hardness
Stable bellows area in 60° Shore (Blue)
Soft, flexible sealing lip in 30° Shore (Yellow)


Balgensauger, steckbar - Bellows cups, plug-in

VAC Art.		Gewinde Thread	d	d1	d2	h2			Shorehärte Hardness
220.020.800_	130.900	1/8" AG	20,5	5	12	14,8	6,5	1,6	30 60
	130.250	1/8" AG							
	130.901	1/8" IG							
220.025.800_	130.250	1/8" AG	26	5	15,4	18,9	8	3	
220.030.801_	130.109	1/8" IG	30	5	16,5	21,3	11	4,4	
	130.291	1/8" AG							
220.035.801_	130.251	1/8" IG	35	6,5	21	25,3	11	7,5	
	130.293	1/4" AG							
	130.549	1/8" AG							
220.040.802_	130.903	1/4" IG	40	6,5	22	28,4	14,7	10,4	
	130.501	1/8" IG							
	130.549	1/8" AG							
220.050.803_	130.252	1/8" IG	50	10,5	27,5	35,5	20	20	
	130.294	1/4" AG							
	130.296	3/8" AG							

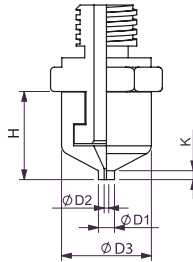
Vulkanisiert - vulcanized

VAC Art.	Gewinde Thread	d	h			Shorehärte Hardness
223.070.800_	3/8 IG	70	60	23	66,5	30 60
224.070.800_	3/8 AG		58,5		60,4	

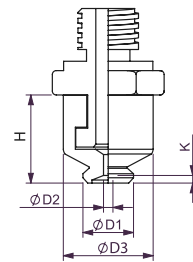
Kleinste Vakuumsauger von \varnothing 0,7 mm bis \varnothing 4 mm | *Smallest vacuum cups from \varnothing 0,7 mm to \varnothing 4 mm*

- Zum Handling kleinster und ultraleichter Produkte, z.B. in der Feinmechanik.
- *For the handling of smallest and ultralight products, for example in the fine mechanics.*

TYP A



TYP B



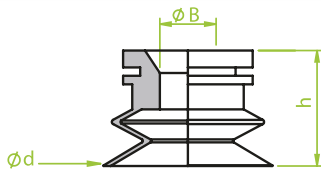
	VAC Art.	TYP	D1	D2	D3	H	K			Gewinde Thread
	10.001.631_	A	0,7	0,2	4	4	0,4	0,1g	130.523	AG M3
	10.001.632_	A	1	0,4	4	4	0,4	0,1g		
	10.002.633_	A	1,5	0,7	4	4	0,4	0,1g		
	10.001.108_	A	1	0,8	1,2	1,6	0,2	0,1g	130.026	AG M3
	10.001.109_	A	1,5	1,2	1,8	2,5	0,3	0,1g	130.011	AG M3
	10.002.041_	B	2	0,6	4	8	0,2	0,1g	130.427	AG M3
	10.003.042_	B	3	0,8	4	8	0,3	0,1g		
	10.004.043_	B	4	1,2	4	8	-	1g	130.427 130.153	AG M3 AG M5
	10.002.130_	B	2,5	1,2	4	4	0,5	0,1g	130.014	AG M3
	10.003.040_	B	4	1,2	4	4	0,5	0,1g	130.300	AG M5
	10.003.691_	B	3	1,2	5	4,8	-	1g	130.300	AG M5
	10.002.634_	B	2	0,6	4	4	0,2	0,1g	130.523	AG M3
	10.003.635_	B	3	0,8	4	4	0,4	1g		
	10.004.636_	B	4	1,2	4	4	0,6	1g		
	10.003.701_	B	3	0,7	3	6	0,5	0,1g	130.025	M3 AG
	10.004.057_	B	3,8	1,1	12	12	0,7	1g	130.064 130.065 130.200	AG 1/8" IG 1/8" M5 AG
	10.004.065_	B	4	1,5	4	7,5	-	0,1g	130.025 130.153	M3 AG M5 AG

Saugnapfe für sanftes Greifen | Suction cups for soft picking

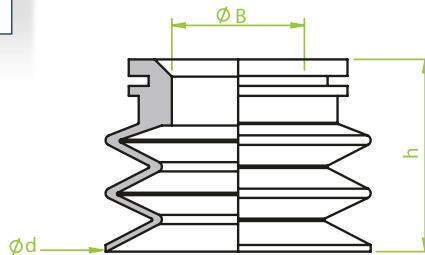


- Weiche Balgensauger mit großem Hub erlauben schonendes Handling von Backwaren mit empfindlicher Oberfläche.
- Soft bellows cups with big travel permit careful Handling of bakery products with sensitive surface.

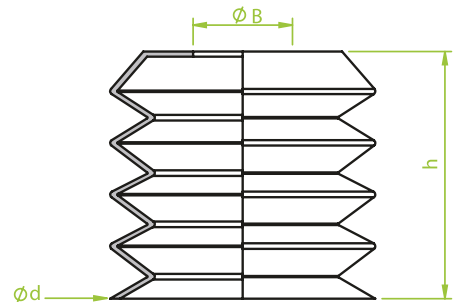
TYP A






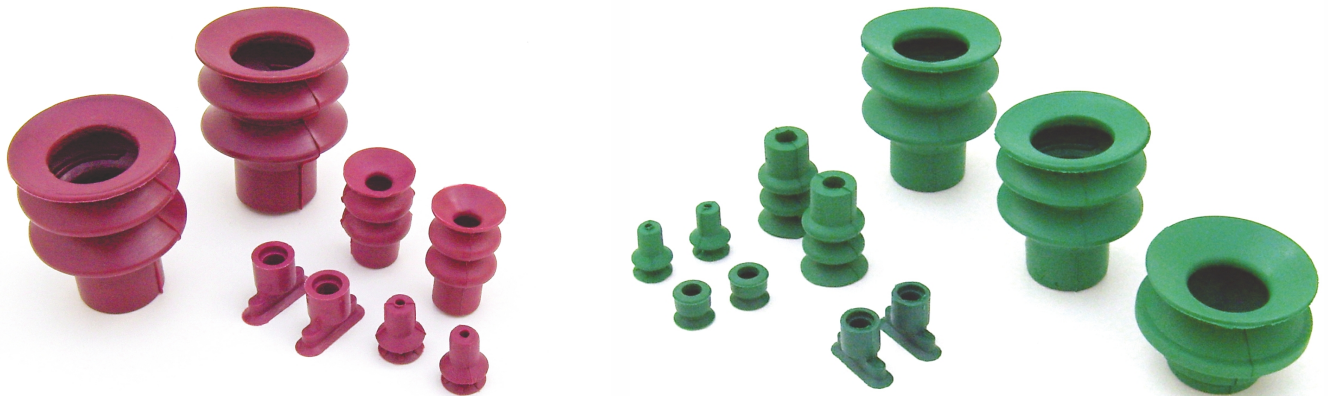
TYP B



TYP C



VAC Art.	Zeichnung Drawing	d	Falten Bellows		Gewinde Thread			B	h
210.016.220._	A	16	1,5	130.312	M6 AG	6	0,8	10,5	13,3
210.030.193._		30		130.518	1/4" AG	7,5	5	13,5	36
210.021.216._		21		-	-	9	1,5	16,5	40
220.030.039._	B	30	2,5	130.249	1/4" AG	13	6,5	10	29
220.034.112._		34		130.039	M6 AG	12	7	6,5	29
220.060.131._		60		130.372	1/2" AG	12	10	19,5	48
220.040.040._		40		130.616	1/2" AG	13	9,1	20	29
220.050.120._		49		130.616	1/2" AG	13	12	20	30
240.025.030._	C	25	4,5	-	-	29	4,5	13,5	36
240.038.018._		38		130.182	1/4" IG	18	?	12	30
240.038.019._		38		130.049	1/4" AG	23	14	12	52
240.040.001._		40		130.183	1/4" AG	24	7	14	37
240.040.022._		40		130.109 130.238	1/8" IG 1/8" AG	26	7,1	15	37,3
240.024.029._		24		-	-	20	4,3	11,8	35,8
240.025.016._		24,7		-	-	29	6,5	13,2	43
250.024.013._		24		-	-	20	4,8	12	41
250.035.005._	35	5,5	130.182	1/4" IG	26,5	10	13	42	
250.036.014._	36		-	-	20	16	25,5	40,5	
250.039.009._	39		130.183	1/4" AG	20	10	14,5	45	

Typische Sauger für die Spritzgussindustrie | Typical cups for the injection moulding industry

■ Beschreibung:

- Eine große Auswahl an Saugnapfen aus unserer bekannten MasterVAC-Reihe und der VAC-Reihen „M“ und „N“ zählt zu den typischen und am häufigsten verwendeten Saugern in der Kunststoffverarbeitenden Industrie.
- Auf nahezu allen Spritzgussmaschinen namhafter Hersteller kommen die nachfolgend dargestellten Sauggreifer zur Entnahme von Kunststoffprodukten zur Anwendung.
- Dabei werden in erster Linie Bauformen bevorzugt, die aufgrund ihrer Geometrie die zur Verfügung stehenden Flächen optimal nutzen können.
- Es kommen gewöhnlich temperaturbeständige Elastomermaterialien, wie Silikon (+ 200° C) oder das hochabdruckarme HNBR (+ 160° C) zum Einsatz.
- Bei anschließender Lackierung von Kunststoffteilen empfehlen wir die Verwendung von Saugern im Material HNBR.

■ Einsatz

- Entnahme von Kunststoffteilen aus Spritzgussmaschinen.

■ Description:

- A large selection of vacuum suction cups from our known MasterVAC-series, VAC-series „M“ and N are one of the typical and the most used suction grippers in the plastic processing industry.
- The following vacuum cups shall apply in the most-known injection moulding machines manufactureres, to pick the plastic products.
- Besides, primarily, the construction forms which can optimally use the available surfaces by reason of their geometry are preferred.
- The typical temperature-resistant materials, such as silicone (+200 °C) or the high anti-marking HNBR (+160 °C) are used for this task.
- In the subsequent painting of the plastic parts, we recommend the suction grippers in material HNBR.

■ Application:

- To picking plastic parts from the injection moulding machines.

Flachsauger | *flat cups*

Flachsauger- kompakte Bauform | *Flat cups- compact design*

- die nachfolgend dargestellten Flachsauger mit geringem Hub dienen vorzugsweise zum Greifen von Teilen mit planer Oberfläche.

Durch ihre kompakte Bauweise benötigen sie relativ wenig Raum und erzielen ein hohe Ansaugkraft

- Hereinafter displayed flat suction cups with a low stroke use preferably to picking of a parts with a plane area.*

Through this compact design, they reach a big suction force with some space.

VAC Reihe „M“ VAC Line „M“



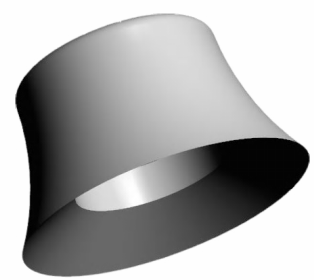
- Durchmesser: 10 bis 40 mm
- Ab Durchmesser 30 mm inkl. Abstützrippen
- Diameter: 10 to 40 mm
- From diameter 30 mm incl. cleats

Einfache Ausführung Basic design



- Durchmesser: 5 bis 10 mm
- Für plane Oberflächen
- Diameter: 5 to 10 mm
- For a plane spaces

Lange Dichtlippe Long sealing lip



- Durchmesser: 15 bis 50 mm
- Für ebene und leicht gewölbte Teile
- Diameter: 15 to 50 mm
- For flat and simple curved parts

1,5 Faltenbalg | *1,5 bellow cups*Balgensauger mit unterschiedlichem Federweg | *Bellow cups with different travel*

- Diese Sauggreifer der MasterVAC-Reihe mit 1,5 Falten eignen sich hervorragend zum Ansaugen von gewölbten Produktoberflächen. der Faltenbalg gewährleistet ein sanftes Aufsetzen auf die Objekte. Erhältlich auch in unserem **hochabdruckarmen Material HNBR**.

- *This suction grippers from our MasterVAC-serie with 1,5 folds are most suitable for the suction of product with a curved spaces.*

The bellows ensure a soft placing on an objects.

Also available in the high anti-marking material HNBR.

Einfache Ausführung
Basic design

- Durchmesser: 11 bis 25 mm
 • Materialien: Silikon (+200 °C)
 • HNBR (+160°C, hochabdruckarm)
- Diameter: 11 to 25 mm
 • Materials: Silicone (+200 °C)
 • HNBR (+160 °C, high anti-marking)

Universal
universal

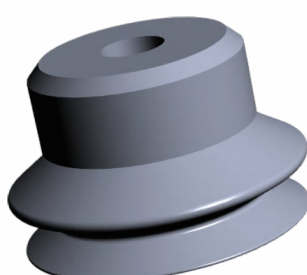
- Durchmesser: 33 bis 53 mm
 • Materialien: Silikon (+200° C)
 • HNBR (+160°, hochabdruckarm)
- Diameter: 33 to 53 mm
 • Materials: Silicone (+200° C)
 • HNBR (+160°, high anti-marking)

Spezial
Special

- Durchmesser: 10 bis 40 mm
 • 1,5 Falten, Material: Silikon
 • Ab 30 mm inkl. Abstützrippen
- Diameter: 10 to 40 mm
 • 1,5 Folds, material: Silicone
 • from 30 mm incl. cleats

Standard
Standard

- Durchmesser: 15 bis 50 mm
 • Materialien: Silikon (+200° C)
 • HNBR (+160° C, hochabdruckarm)
- Diameter: 15 to 50 mm
 • Materials: Silicone (+200° C)
 • HNBR (+160° C, high anti-marking)

Für hohe Stabilität
For high stability

- Durchmesser: 15 bis 50 mm
 • Materialien: Silikon (+200° C)
 • HNBR (+160° C, hochabdruckarm)
- Diameter: 15 to 50 mm
 • Materials: Silicone (+200° C)
 • HNBR (+160° C, high anti-marking)

2,5 Faltenbalg | 2,5 bellow cups

Balgensauger mit großem Federweg | Bellow cups with large travel

- Die nachfolgend aufgelisteten Balgensauggreifer sind besonders gut geeignet zum Ansaugen von Kunststoffteilen auf unterschiedlichen Niveaus.

Ihr großer Hub erzielt einen hervorragenden Dämpfungseffekt und ermöglicht das Greifen unter einem Winkel, ähnlich einem flexiblen Gelenk.

- The following listed bellows suction grippers are especially suited for the suction of plastic parts with different levels.

The big travel reach an excellent damping effect and allows the picking under an angle, like a flexible joint

Weiche Dichtlippe Soft sealing lip



- Durchmesser: 5 mm
- Materialien: Silikon (+200 °C), FKM (+200 °C), HNBR (+160 °C, hochabdruckarm)
- Diameter: 5 mm
- Materials: Silicone (+200 °C), FKM (+200 °C), HNBR (+160 °C, high anti-marking)

Sehr flexibel Very flexible



- Durchmesser: 6 und 9 mm
- Materialien: Silikon (+200 °C), HNBR (+160 °C, hochabdruckarm)
- Diameter: 6 to 9 mm
- Materials: Silicone (+200 °C), HNBR (+160 °C, high anti-marking)

universal universal



- Durchmesser: 12 bis 25 mm
- Materialien: Silikon (+200 °C), HNBR (+160 °C, hochabdruckarm)
- Diameter: 12 to 25 mm
- Materials: Silicone (+200 °C), HNBR (+160 °C, high anti-marking)

Für höhere Haltekräfte For higher retaining forces



- Durchmesser: 32 bis 62 mm
- Materialien: Silikon (+200 °C), HNBR (+160 °C, hochabdruckarm)
- Diameter: 32 to 62 mm
- Materials: Silicone (+200 °C), HNBR (+160 °C, high anti-marking)

Handling vom schmalen Werkstücken | *Handling of small work pieces*

- Der große Vorteil, den der Einsatz von Ovalsaugern bietet, ist die erhöhte Saugkraft bei schmalen Teilen gegenüber runden Flachsugern mit der gleichen Breite.

Die flache Bauform eignet sich bestens, um nicht deformierbare, längliche Kunststoffprodukte aus der Spritzgussmaschine zu entnehmen und positionsgenau abzulegen.

- The biggest advantage by the using of the oval suction cups, is the increased suction force to the flat suction cups with the same width, at narrow parts .*

The flat design is most suitable for the long undeformable plastic products to picking from the injection moulding machine and to placing precisely.

Mini
Mini


- Abmessungen: 4x2 mm und 7x4 mm
- Materialien: Silikon (+200 °C), HNBR (+160 °C, hochabdruckarm)
- Dimensions : 4x2 mm and 7x4 mm
- Materials: Silicone (+200 °C), HNBR (+160 °C, high anti-marking)

Langer Schaft
Long shaft


- Abmessungen: 12x4 mm
- Material: Silikon (+200 °C)
- Dimensions : 12x4 mm
- Material: Silicone (+200 °C)

Mit Stützknoppen
With nubs


- Abmessungen: 15x5 mm bis 45x15 mm
- Materialien: Silikon (+200 °C), HNBR (+160 °C, hochabdruckarm)
- Dimensions : 15x5 mm and 45x15 mm
- Materials: Silicone (+200 °C), HNBR (+160 °C, high anti-marking)

Flachsauger | *flat cups*

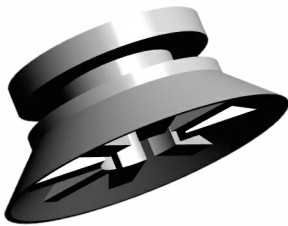
Typische Sauger für die Verpackungsindustrie | *Typical suction cups for the packaging industry*

- Um die vielfältigen Aufgaben in der Verpackungsindustrie erfüllen zu können, werden bevorzugt Vakuumsauger eingesetzt, die stabil und ausreichend flexibel sind. Die hier dargestellten Saugnapfe finden sich häufig zum Greifen von Kartonagen und in Folien verpackten Waren.

- To meet the many tasks in the packaging industry, they are preferable to use vacuum suction cups with stable and compact design.*

This shown suction grippers are the most applicated for the picking of paperboard and in foils packaged goods.

Inkl. Abstützrippen *Incl. cleats*



- Durchmesser: 22 bis 53 mm
- Hohe Eigenstabilität
- Materialien: NBR, Silikon

- Diameter: 22 to 53 mm
- High ... stability
- Materials: NBR, silicone

Papier- und Foliensauger *Paper and foils vacuum cups*



- Durchmesser: 15 bis 40 mm
- Innere Abstützung
- Materialien: Naturkautschuk, Silikon

- Diameter: 15 to 40 mm
- Internal support
- Materials: natural rubber, silicone

Positionsstabile Flachsauger *Position stable flat suction cups*



- Durchmesser: 60 bis 95 mm
- Einvulkanisierter Metallkern
- Materialien: NBR, PU

- Diameter: 60 to 95 mm
- Vulcanised metal core
- Materials: NBR, PU

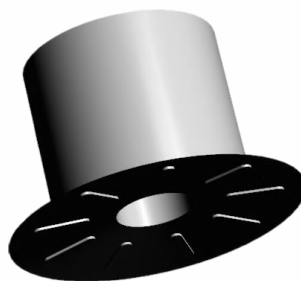
für schwere Lasten geeignet *Suitable for a heavy loads*



- Durchmesser: 120 bis 190 mm
- Hohe Haltekraft
- Materialien: NBR, PU

- Diameter: 120 to 190 mm
- High holding force
- Materials: NBR, PU

Verschleißfest *Wear-resistant*



- Durchmesser: 18 bis 60 mm
- Gute Anpassung an flexible Oberflächen
- Material: Vinyl

- Diameter: 18 to 60 mm
- Adaptable to flexible spaces
- Material: Vinyl

Balgsauger mit kurzem Federweg | *Bellow suction cups with short travel*

- Balgsauger mit 1,5 Falten eignen sich vorzugsweise zum Handling empfindlicher Produkte. Die Flexibilität der Falten bewirkt einen ausgezeichneten Dämpfungseffekt und bietet eine optimale Anpassungsfähigkeit an gewölbte Oberflächen.

- *The bellows suction grippers with 1,5 folds are preferably suitable for the handling of sensitive products. The flexibility of the folds result an excellent damping effect and provide adaptability to curved areas.*

Einfache Ausführung
Standard design

- Durchmesser: 16 bis 25 mm
- Diameter: 16 to 25 mm
- Materialien: NBR, Naturkautschuk, PU
- Materials: NBR, natural rubber, PU

Weiche Dichtlippe
Soft sealing lip

- Durchmesser: 33 bis 78 mm
- Diameter: 33 to 78 mm
- Materialien: NBR, Naturkautschuk, Silikon
- Materials: NBR, natural rubber, silicone

Verschleißfest
Wear-resistant

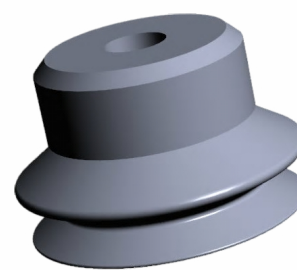
- Durchmesser: 13 bis 70 mm
- Diameter: 13 to 70 mm
- Gute Anpassung an flexible Oberflächen
- Adaptability to flexible areas
- Material: Vinyl
- Material: Vinyl

Robuste Ausführung
Stable version

- Durchmesser: 20 bis 52 mm
- Diameter: 20 to 52 mm
- Materialien: NBR, Naturkautschuk, Silikon
- Materials: NBR, natural rubber, silicone

Standard
Standard

- Durchmesser: 15 bis 155 mm
- Diameter: 15 to 155 mm
- Materialien: NBR, Naturkautschuk, PU
- Materials: NBR, natural rubber, PU

Für hohe Stabilität
For high stability

- Durchmesser: 15 bis 50 mm
- Diameter: 15 to 50 mm
- Materialien: NBR, Naturkautschuk, PU
- Materials: NBR, natural rubber, PU

2,5 Faltenbalg | *2,5 bellow cups*

Balgensauger mit großem Federweg | *Bellow suction cups with long travel*

- Die hier abgebildeten Balgsauggreifer mit großem Hub eignen sich u.a. sehr gut zum Ansaugen von Verpackungen mit großem Unebenheiten.

Ihr hervorragendes Hubverhalten erzielt einen ausgezeichneten Dämpfungseffekt und ermöglicht auch das Greifen unter einem Winkel, ähnlich einem flexiblen Gelenk.

- The following listed bellow suction grippers with a big stroke are suitable for the suction of packaging with a big unevenness.*

The outstanding stroke behavior reach an excellent damping effect and enable also the picking at an angle, like a flexible joint.

Verschleißfest *Wear-resistant*



- Durchmesser: 16 bis 50 mm
- Perfekte Anpassung an flexible Oberflächen
- Material: Vinyl

- Diameter: 16 to 50 mm
- Adaptability to flexible areas
- Material: Vinyl

Universal *Universal*



- Durchmesser: 14 bis 25 mm
- Materialien: NBR, Naturkautschuk

- Diameter: 14 to 25 mm
- Materials: NBR, natural rubber

Für höhere Haltekräfte *For high holding force*



- Durchmesser: 32 bis 88 mm
- Materialien: NBR, Naturkautschuk

- Diameter: 32 to 88 mm
- Materials: NBR, natural rubber

Mehrfaltensauger mit sehr großem Federweg | *Multi bellow cups with big travel*

- Die 4,5 Faltenauger sind dank der Verstärkung der Falten um Aussenbereich, trotz ihres großen Federwegs, sehr stabil beim Handling.

Diese Saugnäpfe mit ihrer flexible Dichtlippe in Verbindung mit großen Hubbewegung ermöglichen besonders das Vereinzeln von Kartonagen, Zwischenlagen usw.

- Despite the big spring travel, the 4,5 bellow suction grippers are through the reinforcement of the folds very stabile during the handling.*

This suction cups with flexible sealing lip connected with big stroke movement, allow specially the separating of cartons, layer, etc

**Mehrfaltensauger
*Multi-bellow cups***


- Durchmesser: 20 bis 50 mm
- Materialien: NBR, Silikon
- Diameter: 20 to 50 mm
- Materials: NBR, silicone

Ovalsauger | *oval vacuum cups*

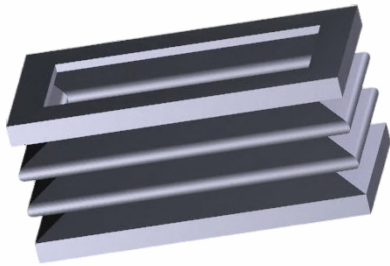
Oval-Rechteckbalgensauger | *Oval-rectangulare suction cups*

- Zur Handhabung von folienverpackten Waren, befüllten, biegeschlaffen Beuteln und ähnlichen, leichtverformbaren Produkten sind die hier dargestellten Oval- Rechteckbalgensauger besonders zu empfehlen.
Sie verfügen über hervorragende Anpassungseigenschaften an die beschriebenen Objekte und eine ausgezeichnete Ansaugkraft.

- *For the handling of foils packaged goods, filled, bags and any other similar, simple ductile products are this listed oval-rectangulare suction cups particularly recommended.*

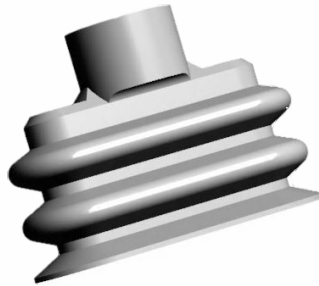
They have an outstanding adaptability to the described objects and an excellent suction force.

Rechtecksauger mit Falten *With folds*



- Abmessungen: 52x25 mm
Bis 80x50 mm
- Dimensions : 52x25 mm
to 80x50 mm
- Materialien: NBR, Silikon
- Materials: NBR, silicone

Schmale Bauform *Narrow design*



- Abmessungen: 25x8 mm
bis 75x25 mm
- Dimensions : 25x8 mm to
75x25 mm
- Materialien: NBR,
Silikon
- Materials: NBR, silicone

Verschleißfest *Wear-resistant*



- Abmessungen: 35x28 mm
bis 97x55 mm
- Dimensions : 35x28 mm to
97x55 mm
- Material: Vinyl
- Material: Vinyl

Typische Vakuumsauger für Holz- u. Möbelindustrie | Typical vacuum cups for wood and furniture industry



■ Technische Daten:

- Sowohl in der Holzverarbeitenden Industrie als auch in der Möbelherstellung werden zum Handling der gängigen Objekte ganz besonders Anforderungen an die Vakuumsauger gestellt.
- Die Elastomermaterialien müssen einerseits robust sein, auf der anderen Seite aber auch eine gute Haftreibung aufweisen und bei rauen Oberflächen eine ausgezeichnete Abdichtung besitzen.
- Unsere Sauggreifer zielen genau auf diese Anforderungen ab und erfüllen in bewährter Weise diese Kriterien.
- Bevorzugt finden die nachfolgend dargestellten Sauger aus Naturgummi, Silikon und NBR in der Holzbranche Verwendung.
- Wichtiger Hinweis:
Um Ihre Vakuumsauger vor Verschmutzung durch Holzstaub zu schützen, empfehlen wir den Einsatz von Vakuumfiltern.

■ Einsatz

- Holzplatten- glatt oder sägerauh
- Möbelemente
- Türen, Parkett

■ Technical data:

- *The wood processing and furniture manufacturing make for the handling of the usual objects exacting demands on the vacuum suction cups.*
- *The elastomer materials must be robust, have a good adhesion and to have an excellent seal at rough surfaces.*
- *Our suction grippers reach exactly these specifications and meet these criteria.*
- *Preferable are the following shown suction cups from natural rubber, silicone and NBR in the wood sector.*
- *Important note:
For the protection of your suction cups from pollution by wood dust, we recommend the using of the vacuum filter.*

■ Application:

- *Wooden panels- smooth or sawn surface*
- *Furniture elements*
- *Doors, parquet*

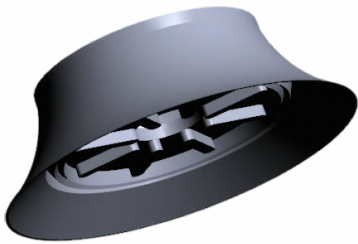
Flachsauger | flat cups

Steckbare Anschlusssteil | Pluggable fitting

- Elastische Flachsauger mit integrierter Abstützung eignen sich bestens zum Handling von rauen oder glatten Holzplatten und Möbelementen. Die Verwendung eines Federstößels, wie in nebenstehender Abbildung dargestellt, sorgt für ein sanftes Aufsetzen und eine gleichmäßige Lastverteilung.
- *Elastic flat suction cups with integrated support are suited best to the handling of rough or smooth boards and furniture elements. The use of a spring leveler, how in accompanying illustration shown, provides a gentle touch-down and a steady load distribution.*



Doppeldichtlippe Double sealing lip



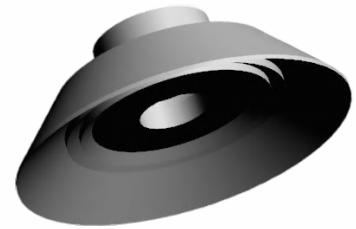
- Durchmesser: 40 bis 350 mm
- Hervorragende Haltekraft
- Materialempfehlung: Naturgummi (35° bis 40° Shore)
- Diameter: 40 to 350 mm
- Excellent holding force
- Material recommendation: natural rubber(35° to 40° Shore)

Abstütznoppen Nubs



- Durchmesser: 35 bis 154 mm
- **Abdruckarm**
- Materialempfehlung: NBR (grau), Silikon (weiß)
- Diameter: 35 to 154 mm
- **Anti marking**
- Material recommendation: NBR (gree), silicone (white)

Vulkanisiert - Innengewinde Vulcanized - female thread



- Durchmesser: 50 bis 300 mm
- Strukturierte Ansaugfläche für hohe Dynamik
- Diameter: 50 to 300 mm
- Textured suction surface for high dynamics

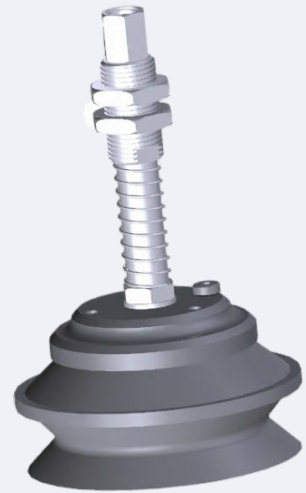
Vulkanisiert - Innengewinde Vulcanized - female thread



- Durchmesser: 60 bis 95 mm
- Abstützrippen an der Unterseite
- Hohe Beschleunigungen möglich
- Diameter: 60 to 95 mm
- Cleats on the underside
- High acceleration are possible.

Balgensauger mit kurzem Federweg | *Bellow suction cups with short travel*

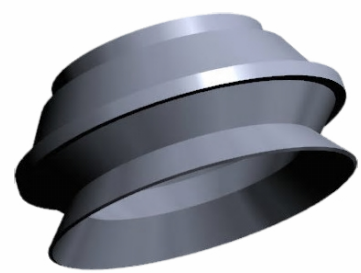
- 1,5 Faltenbalgsauger können sich optimal an gewölbte Oberflächen, z. B. Stuhllehnen anpassen sowie Höhenunterschiede ausgleichen. Um den Federweg zu erhöhen bietet sich eine Montage mit einem gefederten Saugerträger an.
- *1,5 bellow cups can optimally adapt themselves to curved surfaces, for example chair backs, as well as compensate height differences. To raise the travel a mounting with a suspended spring leveler offers best.*


Robuste Bauform
Robust design


- Durchmesser: 25 bis 60 mm
- Materialien: Naturgummi, Silikon
- Diameter: 25 to 60 mm
- Materials: Natural rubber, silicone

Verstärkte Ausführung
Reinforced version


- Durchmesser: 20 bis 52 mm
- Materialien: Naturgummi, NBR, Silikon
- Diameter: 20 to 52 mm
- Materials: Natural rubber, NBR, silicone

Große Tragkraft
High load capacity


- Durchmesser: 75 bis 150 mm
- Materialien: NBR, Silikon
- Diameter: 75 to 150 mm
- Materials: NBR, silicone

Einfache Ausführung
Simple version


- Durchmesser: 16 bis 25 mm
- Sehr gute Dämpfung
- Material: Naturgummi
- Diameter: 16 to 25 mm
- Very good damping
- Material: Natural rubber

Weiche Dichtlippe
Soft sealing lip


- Durchmesser: 33 bis 78 mm
- Materialien: Naturgummi, NBR
- Diameter: 33 to 78 mm
- Materials: Natural rubber, NBR

Hohe Stabilität
High stability


- Durchmesser: 15 bis 155 mm
- Materialien: Naturgummi, NBR
- Diameter: 15 to 155 mm
- Materials: Natural rubber, NBR

2,5 Faltenbalg | 2,5 bellow cups

Balgensauger mit großem Federweg | Bellow suction cups with long travel

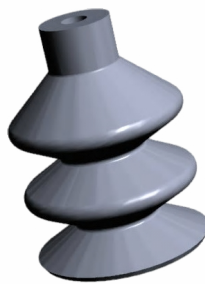
- Die hier dargestellten Balgensauger mit großem Hub eignen sich sehr gut zum Ansaugen von Produkten mit abgestufter Kontur und vorhandenem Höheunterschied. Ihr hervorragendes Hubverhalten erzielt einen ausgezeichneten Dämpfungseffekt und ermöglicht das Greifen unter einem Winkel, ähnlich einem flexiblen Gelenk.

- The shown bellow suction cups with big travel are suited very well for sucking products with graduated contour and existing height difference. their perfect travel behaviour achieves an excellent damping effect and allows the picking at an angle, like a flexible joint.

Universal
Universal


- Durchmesser: 14 bis 60 mm
- Sehr gute Anpassung
- Materialien: Naturgummi, Silikon

- Diameter: 14 to 60 mm
- Excellent adaptability
- Materials: Natural rubber, silicone

Für kleine Produkte
For small products


- Durchmesser: 12 bis 25 mm
- Für empfindliche Oberflächen
- Material: Naturgummi

- Diameter: 12 to 25 mm
- For sensitive areas
- Material: Natural rubber

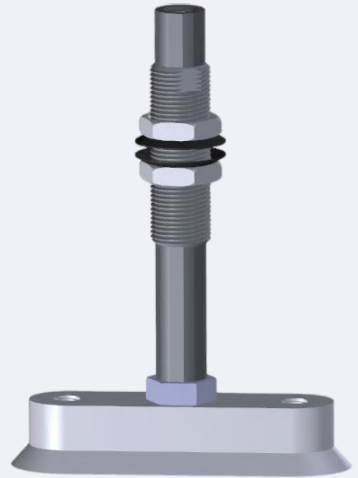
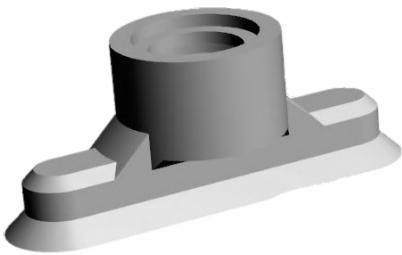
Standard
Standard


- Durchmesser: 32 bis 62 mm
- Für höhere Haltekraft
- Material: Naturgummi

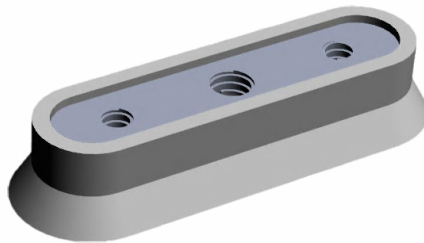
- Diameter: 32 to 62 mm
- For high holding force
- Material: Natural rubber

Oval- Rechteckflachsauger | *Oval-rectangular flat cups*

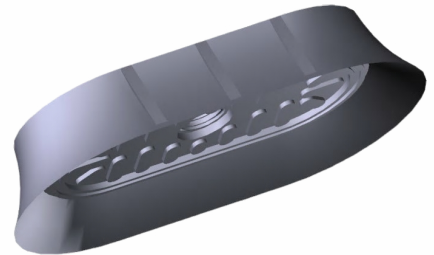
- Speziell zum Handling von schmalen Teilen, wie z. B. Holzleisten, Fenster- und Türrahmen sind ovale Sauger praktisch unverzichtbar. In Kombination mit einem verdrehgesicherten Federstößel ist eine prozesssichere Positionierung der Werkstücke gewährleistet.
- *Especially to the handling of narrow parts, as for example wooden, strips, window and door frames, oval cups are practically indispensable. In combination with a torsionally rigid spring leveler a safe processing and positioning of the workpieces is guaranteed.*

Standard
Standard

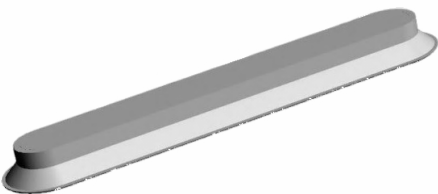
- Abmessungen: 45x15 mm
Bis 85x28 mm
- Materialien: NBR, Silikon
- Dimensions : 45x15 mm
to 85x28 mm
- Materials: NBR, silicone

Vulkanisiert - Innengewinde
Vulcanized - female thread

- Abmessungen: 75x25 mm bis
145x34 mm
- Für hohe Taktzeiten
- Material: Silikon
- Dimensions : 75x25 mm to
145x34 mm
- For high cycle times
- Material: silicone

Doppeldichtlippe
Double sealing lip

- Abmessungen: 110x65 mm,
190x90 mm
- Vulkanisiert mit
Innengewinde G1/4"
- Material: Naturgummi
- Dimensions : 110x65 mm,
190x90 mm
- Vulkanised with female
thread G1/4"
- Material: Natural rubber

Vulkanisiert - ohne Bohrung
Vulcanised - without hole

- Abmessungen: 200x55 mm,
300x55 mm
- Für schmale Werkstücke
- Materialien: Naturgummi, NBR
- Dimensions : 200x55 mm,
300x55 mm
- For narrow workpieces
- Materials: Natural rubber,
NBR

Aufbau & Ausführungen | *Structure & Versions*

Ohne Anschlussstück
Without fitting
10.



10.003.201._

Inkl. Anschluss, gesteckt, Innengewinde
Incl. plugged fitting, female thread
11.



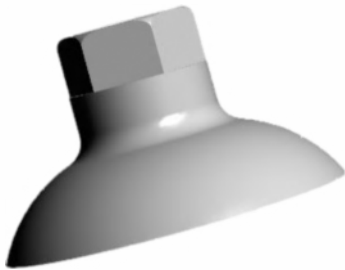
11.003.201._

Inkl. Anschluss, gesteckt, Aussengewinde
Incl. plugged fitting, male thread
12.



12.003.201._

Inkl. Anschluss, vulkanisiert, Innengewinde
Incl. vulcanized fitting, female thread
13.



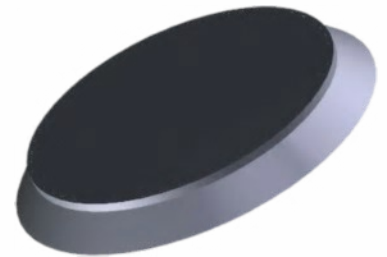
13.003.201._

Inkl. Anschluss, vulkanisiert, Aussengewinde
Incl. vulcanized fitting, male thread
14.



14.003.201._

Vulkanisiert, ohne Gewinde/Bohrung
Vulcanized, without thread/hole
15.



15.252.038._

Example: Flachsauger ohne Anschlussstück Ø 1mm, verfügbar in den Materialien NBR und Silikon.
Flat suction cups without fitting Ø 1mm, available in the materials NBR and silicone.

Art.Nr.
NO.

10.001.108._

Materialcode	
01 NBR	02 Silikon
Halter Fitting	Gewinde Thread
130.026	M3 AG
0.1mm	0.1g

Ergänzung zur Art.Nr. Bei Bestellung
Supplement to the NO. When ordering

Passendes Befestigungselement
Suitable mounting element

Hub / Travel

Gewicht / Weight

Eigenschaften der Saugermaterialien auf Seite 24 | *Properties of vacuum cup materials at page 24*

Flachsauger | Flat cups

10.001.108._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.026</td> <td>M3 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.026
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.026	M3 AG			
0.1mm	0.1g			

10.001.109._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.011</td> <td>M3 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.011
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.011	M3 AG			
0.3mm	0.3g			

10.001.631._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.300 270.524</td> <td>M5 AG M3 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.300 270.524
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.300 270.524	M5 AG M3 AG			
0.4mm	1g			

10.001.632._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.300 270.524</td> <td>M5 AG M3 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.300 270.524
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.300 270.524	M5 AG M3 AG			
0.4mm	1g			

10.002.041._				
	Materialcode 07 FKM 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>270.427</td> <td>M3 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	270.427
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
270.427	M3 AG			
0.2mm	0.1g			

10.002.130._				
	Materialcode 07 FKM 05 Polyurethan 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.014 130.300</td> <td>M3 AG M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.014 130.300
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.014 130.300	M3 AG M5 AG			
0.4mm	0.1g			

10.002.633._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.014 130.300 130.523</td> <td>M3 AG M5 AG M3 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.014 130.300 130.523
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.014 130.300 130.523	M3 AG M5 AG M3 AG			
0.4mm	1g			

10.002.634._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.014 130.300 130.523</td> <td>M3 AG M5 AG M3 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.014 130.300 130.523
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.014 130.300 130.523	M3 AG M5 AG M3 AG			
0.2mm	1g			

Flachsauger | Flat cups

10.003.040._						
	Materialcode 04 CR 07 FKM 09 HNBR 03 NR					
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.014</td> <td>M3 AG</td> </tr> <tr> <td>130.300</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.014	M3 AG	130.300
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.014	M3 AG					
130.300	M5 AG					
0.5mm	0.1g					

10.003.042._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>270.427</td> <td>M3 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	270.427
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
270.427	M3 AG			
0.3mm	0.1g			

10.003.635._								
	Materialcode 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.014</td> <td>M3 AG</td> </tr> <tr> <td>130.300</td> <td>M5 AG</td> </tr> <tr> <td>130.523</td> <td>M3 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.014	M3 AG	130.300	M5 AG	130.523
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.014	M3 AG							
130.300	M5 AG							
130.523	M3 AG							
0.4mm	1g							

10.003.691._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.300</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.300
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.300	M5 AG			
2.5mm	1g			

10.003.701._	
Materialcode	
Halter Fitting	Gewinde Thread
130.025	M3 AG
0.3mm	0.1g

10.004.043._	
Materialcode	
07 FKM 02 Silikon	
Halter Fitting	Gewinde Thread
130.153 270.427	M5 AG M3 AG
0.3mm	0.1g

10.004.057._	
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
130.064 130.065 130.200	1/8" AG 1/8" IG M5 AG
1mm	1g

10.004.065._	
Materialcode	
03 NR 02 Silikon	
Halter Fitting	Gewinde Thread
130.025 130.153	M3 AG M5 AG
0.3mm	0.1g

Flachsauger | Flat cups

10.004.636._		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.014 130.300 130.523		M3 AG M5 AG M3 AG	
		0.6mm 1g	

10.005.034._		Materialcode	
		04 CR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.591		M5 AG	
		0.5mm 0.1g	

10.005.066._		Materialcode	
		03 NR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.153		M5 AG	
		1mm 0.1g	

10.005.131._		Materialcode	
		05 Polyurethan 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.005 130.007 130.009 130.010 130.301		M5 IG 1/8" IG 1/8" AG M5 AG M5 AG	
		0.9mm 0.1g	

10.005.145._		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.011 130.014	M3 AG M3 AG
		0.5mm	0.1g

10.005.148._		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.014	M3 AG
		0.9mm	0.1g

12.005.040._		Materialcode	
		04 CR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		0.5mm	0.4g

10.006.021._		Materialcode	
		09 HNBR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.005 130.007 130.009 130.010	M5 IG 1/8" IG 1/8" AG M5 AG
		1mm	0.1g

Flachsauger | Flat cups

10.006.044._	
Materialcode	
07 FKM 02 Silikon	
Halter Fitting	Gewinde Thread
130.283	M5 AG
0.3mm	1g

10.006.058._	
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
130.005 130.009 130.200 270.064 270.065	M5 IG 1/8" AG M5 AG 1/8" AG 1/8" IG
0.7mm	1g

10.006.067._	
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
130.025	M3 AG
1.5mm	0.1g

10.006.095._	
Materialcode	
Halter Fitting	Gewinde Thread
130.613	M5 AG
mm	0g



10.006.151._						
	Materialcode 06 EPDM 02 Silikon					
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.111</td> <td>M4 AG</td> </tr> <tr> <td>130.300</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.111	M4 AG	130.300
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.111	M4 AG					
130.300	M5 AG					
0.5mm	1g					

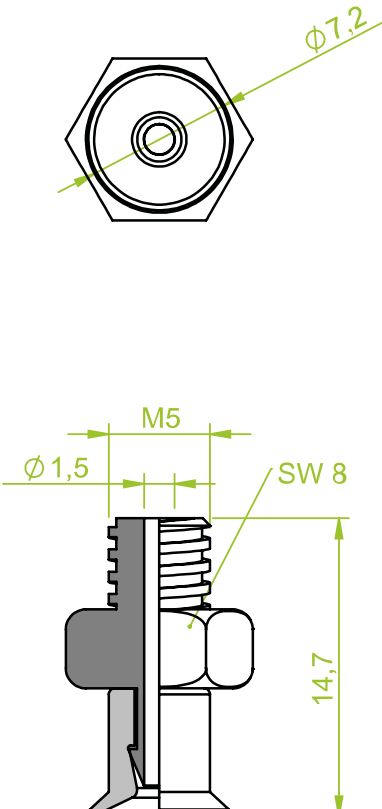


10.007.035._				
	Materialcode 06 EPDM 09 HNBR 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.591</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.591
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.591	M5 AG			
1mm	1g			

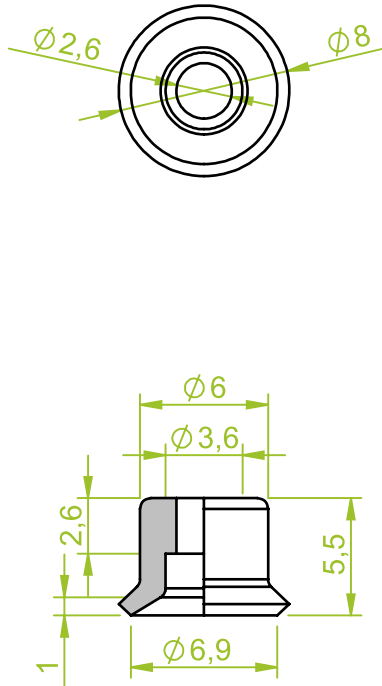


10.007.153._										
	Materialcode 02 Silikon 12 verstärktes Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.037</td> <td>M5 AG</td> </tr> <tr> <td>130.038</td> <td>1/4" IG</td> </tr> <tr> <td>130.085</td> <td>1/8" AG</td> </tr> <tr> <td>130.086</td> <td>1/8" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.037	M5 AG	130.038	1/4" IG	130.085	1/8" AG	130.086
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.037	M5 AG									
130.038	1/4" IG									
130.085	1/8" AG									
130.086	1/8" IG									
1.6mm	0.5g									

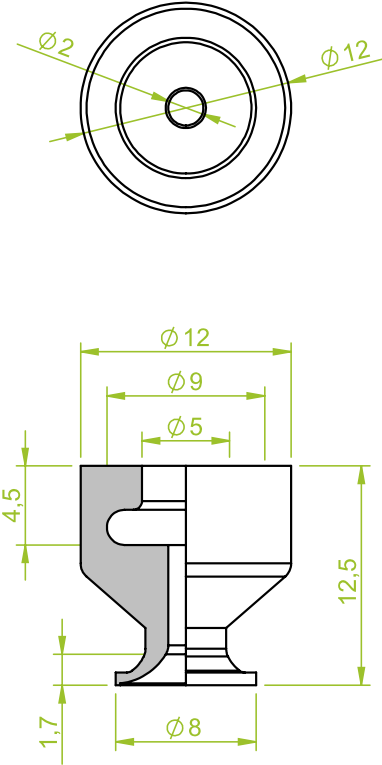


10.007.638._								
	Materialcode 05 Polyurethan 02 Silikon 12 verstärktes Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.024</td> <td>M5 AG</td> </tr> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.024	M5 AG	130.033	1/8" AG	130.104
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.024	M5 AG							
130.033	1/8" AG							
130.104	M6 AG							
1mm	0.2g							

Flachsauger | Flat cups

10.007.694._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.024 130.033 130.104	M5 AG 1/8" AG M6 AG
	
1mm	1g

12.007.041._	
	
Materialcode	
06 EPDM 09 HNBR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
1mm	1g

10.008.045._	
	
Materialcode	
07 FKM 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.283	M5 AG
	
1mm	1g

10.008.059._	
	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.005 130.037 130.085 130.086 130.200 270.064 270.065	M5 IG M5 AG 1/8" AG 1/8" IG M5 AG 1/8" AG 1/8" IG
	
1.0mm	1.3g

10.008.068._						
	Materialcode 03 NR 02 Silikon					
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.591</td> <td>M5 AG</td> </tr> <tr> <td>130.613</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.591	M5 AG	130.613
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.591	M5 AG					
130.613	M5 AG					
1mm	1g					

10.008.136._										
	Materialcode 07 FKM 09 HNBR 05 Polyurethan 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.007</td> <td>1/8" IG</td> </tr> <tr> <td>130.009</td> <td>1/8" AG</td> </tr> <tr> <td>130.010</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.005	M5 IG	130.007	1/8" IG	130.009	1/8" AG	130.010
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.005	M5 IG									
130.007	1/8" IG									
130.009	1/8" AG									
130.010	M5 AG									
1.4mm	1g									

10.008.154._				
	Materialcode 03 NR			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.613</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.613
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.613	M5 AG			
1.5mm	1g			

10.008.155._						
	Materialcode 02 Silikon					
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.153</td> <td>M5 AG</td> </tr> <tr> <td>130.613</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.153	M5 AG	130.613
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.153	M5 AG					
130.613	M5 AG					
1mm	0.3g					

Flachsauger | Flat cups

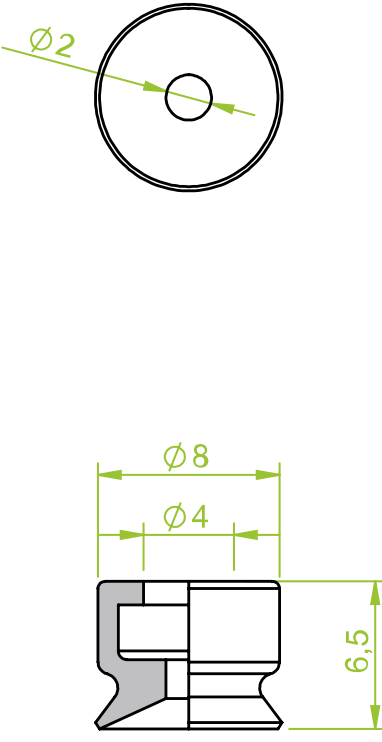


10.008.164._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.024 130.242 270.399	M5 AG 1/8" AG M5 AG		
0.8mm	0.4g		

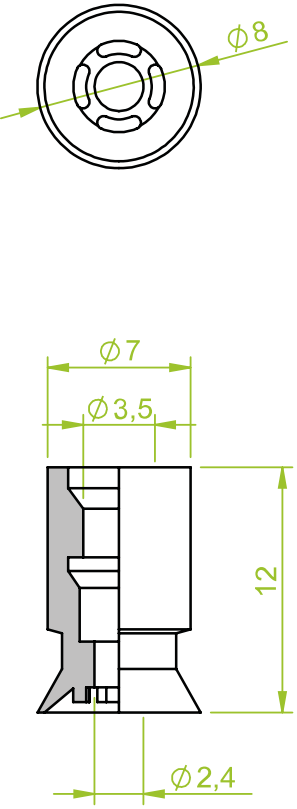


10.008.166._			
		Materialcode	
		09 HNBR 05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.005 130.007 130.009 130.010	M5 IG 1/8" IG 1/8" AG M5 AG		
0.5mm	1g		

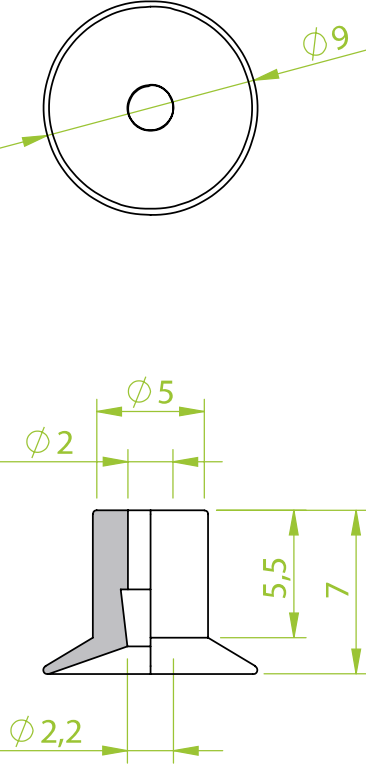


10.008.168._			
		Materialcode	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.111 130.283	M4 AG M5 AG		
mm	0g		

10.008.611._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.005 130.009 130.010	M5 IG 1/8" AG M5 AG		
1mm	0.3g		

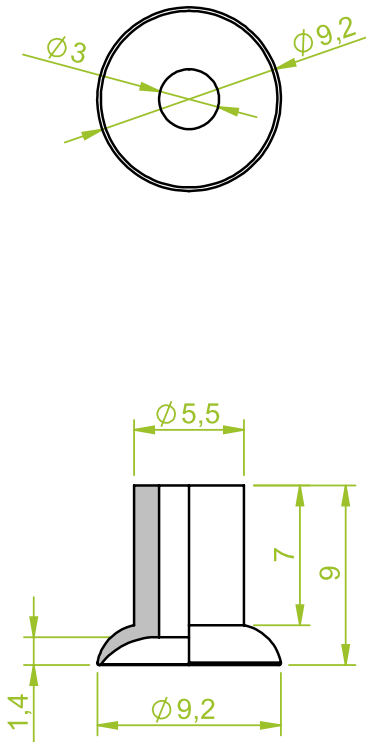


10.008.630._						
	Materialcode 12 verstärktes Silikon					
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.013
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.003	1/8" AG					
130.013	M5 AG					
						
1mm	0.2g					

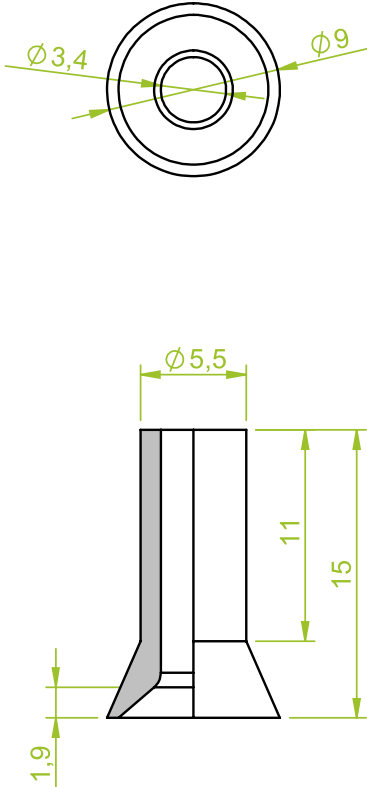


10.008.681._										
	Materialcode 07 FKM 05 Polyurethan 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.007</td> <td>1/8" IG</td> </tr> <tr> <td>130.009</td> <td>1/8" AG</td> </tr> <tr> <td>130.010</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.005	M5 IG	130.007	1/8" IG	130.009	1/8" AG	130.010
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.005	M5 IG									
130.007	1/8" IG									
130.009	1/8" AG									
130.010	M5 AG									
										
1.3mm	0.4g									

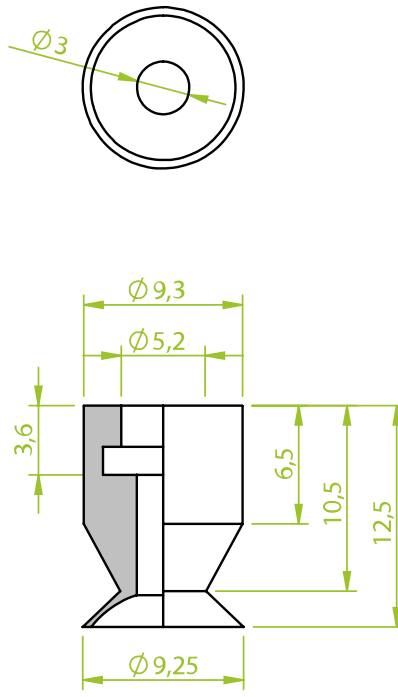


10.008.695._								
	Materialcode 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.024</td> <td>M5 AG</td> </tr> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.024	M5 AG	130.033	1/8" AG	130.104
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.024	M5 AG							
130.033	1/8" AG							
130.104	M6 AG							
								
mm	0g							

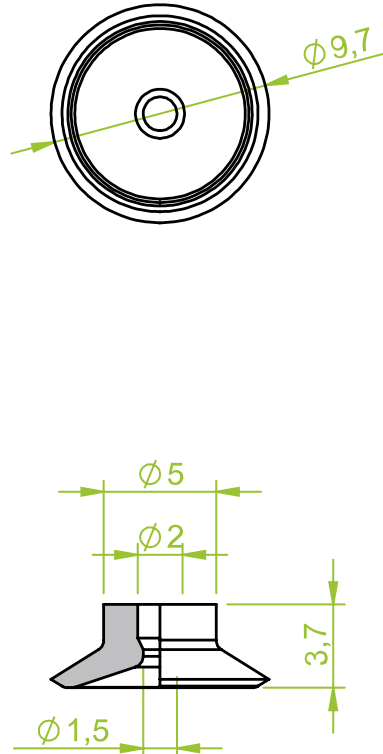


10.009.020._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.591</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.591
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.591	M5 AG			
				
1.5mm	1g			

Flachsauger | Flat cups

10.009.169._		Materialcode	
	V Vinyl		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
130.613	M5 AG		
			
1mm	0.2g		

10.009.170._		Materialcode	
	03 NR 02 Silikon		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
130.033 130.104 130.134 270.478	1/8" AG M6 AG M5 AG 1/8" IG		
			
1.5mm	1g		

10.009.185._		Materialcode	
	02 Silikon		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
130.037 130.085 130.086	M5 AG 1/8" AG 1/8" IG		
			
1mm	0.3g		

10.009.580._		Materialcode	
	03 NR		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
			
1mm	0.1g		

12.009.042._	
	Materialcode
	02 Silikon
Halter Fitting	Gewinde Thread
1.5mm	1g

10.010.046._	
	Materialcode
	02 Silikon
Halter Fitting	Gewinde Thread
1mm	1g

10.010.060._	
	Materialcode
	02 Silikon
Halter Fitting	Gewinde Thread
0.5mm	0.8g

10.010.070._	
	Materialcode
	03 NR 02 Silikon
Halter Fitting	Gewinde Thread
1mm	0.3g

Flachsauger | Flat cups

10.010.138._	
	Materialcode 07 FKM 09 HNBR 05 Polyurethan 02 Silikon
	Halter Gewinde <i>Fitting</i> <i>Thread</i>
	130.005 M5 IG 130.007 1/8" IG 130.009 1/8" AG 130.010 M5 AG
1.2mm	1g

10.010.187._	
	Materialcode 02 Silikon
	Halter Gewinde <i>Fitting</i> <i>Thread</i>
	270.382 M5 IG
0.3mm	1g

10.010.188._	
	Materialcode 02 Silikon 12 verstärktes Silikon
	Halter Gewinde <i>Fitting</i> <i>Thread</i>
	130.111 M4 AG 130.283 M5 AG
0.7mm	1g

10.010.189._	
	Materialcode
	Halter Gewinde <i>Fitting</i> <i>Thread</i>
	130.007 1/8" IG 130.009 1/8" AG 130.010 M5 AG
0.5mm	0.3g

10.010.191._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.022</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.022
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.022	M5 AG			
1mm	1g			

10.010.192._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.094 130.095 130.096</td> <td>M5 AG 1/8" AG 1/8" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.094 130.095 130.096
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.094 130.095 130.096	M5 AG 1/8" AG 1/8" IG			
1.5mm	1g			

10.010.194._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.005 130.009</td> <td>M5 IG 1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.005 130.009
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.005 130.009	M5 IG 1/8" AG			
mm	0g			

10.010.584._				
	Materialcode 05 Polyurethan 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.604 130.605 130.606</td> <td>M5 AG 1/8" AG 1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.604 130.605 130.606
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.604 130.605 130.606	M5 AG 1/8" AG 1/4" AG			
1.5mm	1.7g			

Flachsauger | Flat cups

10.011.036._								
	Materialcode 04 CR 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.005	M5 IG	130.104	M6 AG	130.134
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.005	M5 IG							
130.104	M6 AG							
130.134	M5 AG							
1mm	0.3g							

10.011.195._						
	Materialcode V Vinyl					
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.001</td> <td>M5 AG</td> </tr> <tr> <td>130.025</td> <td>M3 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.001	M5 AG	130.025
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.001	M5 AG					
130.025	M3 AG					
0.5mm	0.1g					

10.011.196._										
	Materialcode 07 FKM 09 HNBR 05 Polyurethan 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.007</td> <td>1/8" IG</td> </tr> <tr> <td>130.009</td> <td>1/8" AG</td> </tr> <tr> <td>130.010</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.005	M5 IG	130.007	1/8" IG	130.009	1/8" AG	130.010
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.005	M5 IG									
130.007	1/8" IG									
130.009	1/8" AG									
130.010	M5 AG									
1mm	1g									

10.011.197._														
	Materialcode V Vinyl													
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.024</td> <td>M5 AG</td> </tr> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> <tr> <td>270.347</td> <td>M5 IG</td> </tr> <tr> <td>270.478</td> <td>1/8" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.024	M5 AG	130.033	1/8" AG	130.104	M6 AG	130.134	M5 AG	270.347	M5 IG	270.478
Halter <i>Fitting</i>	Gewinde <i>Thread</i>													
130.024	M5 AG													
130.033	1/8" AG													
130.104	M6 AG													
130.134	M5 AG													
270.347	M5 IG													
270.478	1/8" IG													
1.5mm	1g													

10.011.198._										
	Materialcode V Vinyl									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.024</td> <td>M5 AG</td> </tr> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>270.478</td> <td>1/8" IG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.005	M5 IG	130.024	M5 AG	130.033	1/8" AG	270.478
Halter Fitting	Gewinde Thread									
130.005	M5 IG									
130.024	M5 AG									
130.033	1/8" AG									
270.478	1/8" IG									
0.5mm	0.3g									

12.011.043._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	
Halter Fitting	Gewinde Thread			
1mm	1.3g			

10.012.071._						
	Materialcode 05 Polyurethan 02 Silikon					
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.024</td> <td>M5 AG</td> </tr> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.024	M5 AG	130.033
Halter Fitting	Gewinde Thread					
130.024	M5 AG					
130.033	1/8" AG					
1.5mm	1g					

10.012.171._														
	Materialcode 03 NR													
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Halter Fitting	Gewinde Thread													
130.033	1/8" AG													
130.087	1/8" AG													
130.104	M6 AG													
130.134	M5 AG													
130.347	M5 IG													
270.478	1/8" IG													
2.5mm	1g													

Flachsauger | Flat cups

10.012.199._		
	Materialcode	
	03 NR	
	Halter Fitting	Gewinde Thread
	130.283	M5 AG
2.5mm	1g	

10.012.200._		
	Materialcode	
	02 Silikon	
	Halter Fitting	Gewinde Thread
	130.005 130.024 130.033	M5 IG M5 AG 1/8" AG
1.5mm	1g	

10.012.204._		
	Materialcode	
	02 Silikon	
	Halter Fitting	Gewinde Thread
	130.003 130.005 130.013 130.015 130.103 130.109 130.194 130.238	1/8" AG M5 IG M5 AG 1/8" IG M6 AG 1/8" IG 1/4" AG 1/8" AG
0.4mm	1g	

10.012.205._		
	Materialcode	
	05 Polyurethan 02 Silikon	
	Halter Fitting	Gewinde Thread
	130.095 130.096	1/8" AG 1/8" IG
1mm	1g	

10.012.206._		
	Materialcode	
	03 NR	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.037 130.085 130.086 130.373	M5 AG 1/8" AG 1/8" IG M5 AG
1.5mm	1g	

10.013.207._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.064 130.065 130.094 130.200	1/8" AG 1/8" IG M5 AG M5 AG
0.5mm	1g	

10.013.209._		
	Materialcode	
	03 NR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.005 130.007 130.009 130.010 130.033 270.478	M5 IG 1/8" IG 1/8" AG M5 AG 1/8" AG 1/8" IG
2mm	0.2g	

10.013.352._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.005 130.010 130.033	M5 IG M5 AG 1/8" AG
3.5mm	0.5g	

Flachsauger | Flat cups

10.014.216._		Materialcode	
		03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.037	M5 AG
		130.085	1/8" AG
		130.086	1/8" IG
		130.373	M5 AG
		2mm	1g

10.014.686._		Materialcode	
		03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.132	1/8" AG
		130.208	1/4" AG
		5mm	4g

10.015.031._		Materialcode	
		03 NR	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
		130.015	1/8" IG
		130.033	1/8" AG
		130.087	1/8" AG
		130.104	M6 AG
		130.134	M5 AG
		270.478	1/8" IG
		1mm	0.5g

10.015.047._		Materialcode	
		05 Polyurethan	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
		130.003	1/8" AG
		130.005	M5 IG
		130.007	1/8" IG
		130.009	1/8" AG
		130.010	M5 AG
		1.5mm	1g

10.015.061._		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.064 130.065 130.200		1/8" AG 1/8" IG M5 AG	
		2mm	
		1g	

10.015.073._		Materialcode	
		03 NR 02 Silikon 12 verstärktes Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.015 130.033 130.104 130.134		1/8" IG 1/8" AG M6 AG M5 AG	
		2mm	
		0.6g	

10.015.114._		Materialcode	
		03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.015 130.033 130.104 130.134		1/8" IG 1/8" AG M6 AG M5 AG	
		6mm	
		1.8g	

10.015.139._		Materialcode	
		07 FKM 05 Polyurethan 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.005 130.010 130.021		M5 IG M5 AG 1/8" AG	
		2mm	
		1g	

Flachsauger | Flat cups

10.015.222._	
Materialcode	
03 NR	
Halter Fitting	Gewinde Thread
130.003	1/8" AG
130.005	M5 IG
130.013	M5 AG
130.015	1/8" IG
130.103	M6 AG
3mm	1.4g

10.015.225._	
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
130.094	M5 AG
130.095	1/8" AG
130.096	1/8" IG
1mm	0.82g

10.015.227._	
Materialcode	
Halter Fitting	Gewinde Thread
mm	0g

10.015.228._	
Materialcode	
02 Silikon 12 verstärktes Silikon	
Halter Fitting	Gewinde Thread
130.111	M4 AG
130.283	M5 AG
130.591	M5 AG
1.1mm	1g

10.015.585._			
		Materialcode	
		05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.604 130.605 130.606	M5 AG 1/8" AG 1/4" AG		
		3.5mm	1.9g

10.015.604._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.014	M3 AG		
		1.5mm	0.2g

10.015.693._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.005 130.007 130.009 130.010	M5 IG 1/8" IG 1/8" AG M5 AG		
		1mm	0.3g

14.015.043._		vulkanisiert	
		Materialcode	
		05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.005 130.007 130.009 130.010	M5 IG 1/8" IG 1/8" AG M5 AG		
		1.2mm	3.8g

Flachsauger | Flat cups

10.016.007._		Materialcode	
		03 NR	
		Halter Fitting	Gewinde Thread
130.085 130.086		1/8" AG 1/8" IG	
1mm		1.9g	

10.016.012._		Materialcode	
		02 Silikon	
		Halter Fitting	Gewinde Thread
130.085 130.086		1/8" AG 1/8" IG	
3mm		0g	

10.016.037._		Materialcode	
		09 HNBR 05 Polyurethan 02 Silikon	
		Halter Fitting	Gewinde Thread
130.003 130.005 130.104 130.109 130.134		1/8" AG M5 IG M6 AG 1/8" IG M5 AG	
2mm		0.6g	

10.016.038._		Materialcode	
		04 CR	
		Halter Fitting	Gewinde Thread
130.003 130.024 130.103 130.134		1/8" AG M5 AG M6 AG M5 AG	
2.5mm		1.2g	

10.016.039._												
	Materialcode 04 CR 06 EPDM 09 HNBR 03 NR											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.024</td> <td>M5 AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.109</td> <td>1/8" IG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.024	M5 AG	130.104	M6 AG	130.109	1/8" IG	130.134
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.003	1/8" AG											
130.024	M5 AG											
130.104	M6 AG											
130.109	1/8" IG											
130.134	M5 AG											
0.5mm	1g											

10.016.092._								
	Materialcode 03 NR 02 Silikon							
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.043	1/4" AG							
130.114	1/8" IG							
130.132	1/8" AG							
5mm	3.5g							

10.016.172._						
	Materialcode 03 NR					
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.095	1/8" AG					
130.096	1/8" IG					
3mm	0.4g					

10.016.236._										
	Materialcode 03 NR									
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.003	1/8" AG									
130.013	M5 AG									
130.015	1/8" IG									
130.103	M6 AG									
3.0mm	1g									

Flachsauger | Flat cups

10.016.239._		
	Materialcode	
	03 NR	
	Halter Fitting	Gewinde Thread
	130.037 130.085 130.086 130.200 130.373	M5 AG 1/8" AG 1/8" IG M5 AG M5 AG
	0.5mm	0.4g

10.016.240._		
	Materialcode	
	05 Polyurethan	
	Halter Fitting	Gewinde Thread
	130.037 130.085 130.086	M5 AG 1/8" AG 1/8" IG
	2mm	1g

10.016.243._		
	Materialcode	
	03 NR 02 Silikon	
	Halter Fitting	Gewinde Thread
	130.013 130.023 130.109 130.194 130.238	M5 AG M5 AG 1/8" IG 1/4" AG 1/8" AG
	5mm	1g

10.016.353._		
	Materialcode	
	03 NR 02 Silikon	
	Halter Fitting	Gewinde Thread
	130.033	1/8" AG
	6mm	2.6g

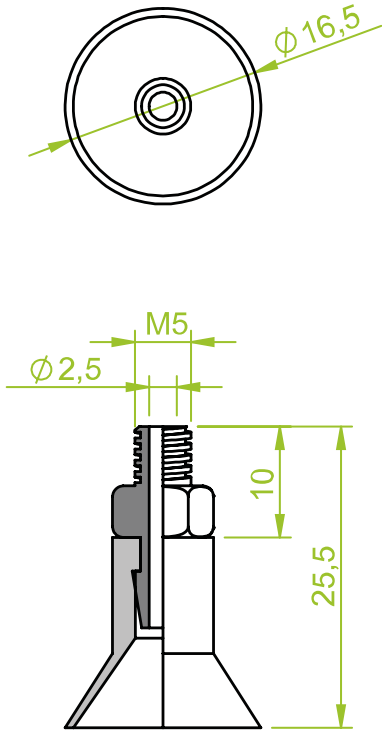
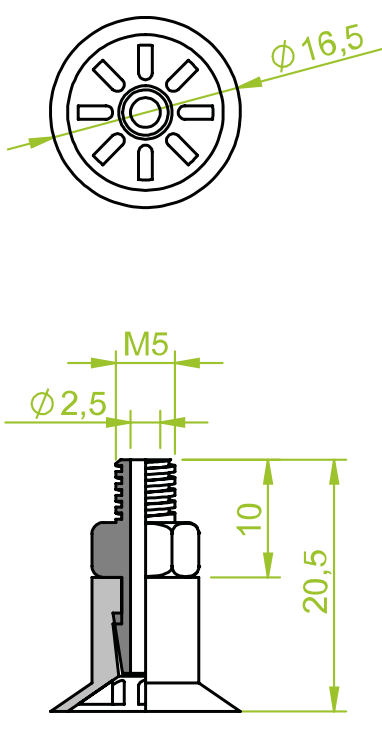




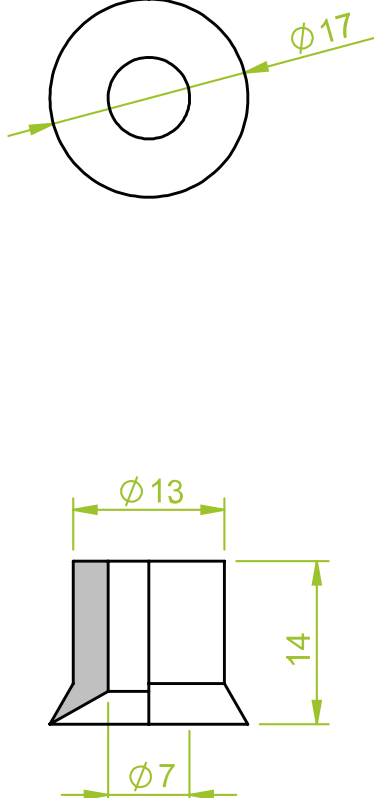
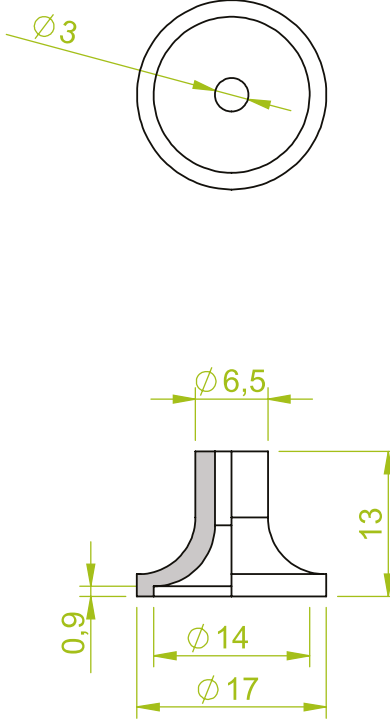




10.016.651._			
		Materialcode	
Halter Fitting	Gewinde Thread		
130.043	1/4" AG		
		3mm	1.8g

10.016.658._			
		Materialcode	
		03 NR	
Halter Fitting	Gewinde Thread		
130.085 130.086	1/8" AG 1/8" IG		
		2mm	0.8g

10.016.685._			
		Materialcode	
		02 Silikon	
Halter Fitting	Gewinde Thread		
130.033 130.134	1/8" AG M5 AG		
		1mm	2.3g

12.016.044._			
		Materialcode	
		09 HNBR 05 Polyurethan 02 Silikon	
Halter Fitting	Gewinde Thread		
		2mm	1.6g

Flachsauger | Flat cups

12.016.045._		12.016.046._	
	Materialcode		Materialcode
	02 Silikon		06 EPDM 09 HNBR 05 Polyurethan 02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
2.5mm	2.2g	0.5mm	1.6g
10.017.173._		10.017.252._	
	Materialcode		Materialcode
	03 NR		03 NR
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.131	1/8" AG	130.613	M5 AG
			
2mm	1.2g	3.0mm	0.6g

10.017.255._								
	Materialcode 03 NR 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.087</td> <td>1/8" AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.087	1/8" AG	130.104	M6 AG	130.134
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.087	1/8" AG							
130.104	M6 AG							
130.134	M5 AG							
1mm	0.64g							

10.017.258._				
	Materialcode V Vinyl			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.613</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.613
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.613	M5 AG			
0.5mm	1g			

10.017.595._										
	Materialcode 05 Polyurethan 02 Silikon									
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.177	M10 AG									
130.451	1/4" AG									
130.452	1/4" IG									
130.609	1/4" AG									
1.4mm	2.5g									

10.018.088._										
	Materialcode 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.110</td> <td>1/8" IG</td> </tr> <tr> <td>130.238</td> <td>1/8" AG</td> </tr> <tr> <td>270.443</td> <td>M5 AG</td> </tr> <tr> <td>270.534</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.110	1/8" IG	130.238	1/8" AG	270.443	M5 AG	270.534
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.110	1/8" IG									
130.238	1/8" AG									
270.443	M5 AG									
270.534	1/4" AG									
3mm	1.3g									

Flachsauger | Flat cups

10.018.089._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.033
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.033	1/8" AG			
mm	1.0g			

10.018.202._												
	Materialcode 02 Silikon											
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.033	1/8" AG											
130.104	M6 AG											
130.134	M5 AG											
130.347	M5 IG											
270.478	1/8" IG											
2mm	1g											

10.018.261._								
	Materialcode 03 NR							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.064</td> <td>1/8" AG</td> </tr> <tr> <td>130.065</td> <td>1/8" IG</td> </tr> <tr> <td>130.200</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.064	1/8" AG	130.065	1/8" IG	130.200
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.064	1/8" AG							
130.065	1/8" IG							
130.200	M5 AG							
0.5mm	0.2g							

10.018.262._								
	Materialcode 03 NR							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.064</td> <td>1/8" AG</td> </tr> <tr> <td>130.065</td> <td>1/8" IG</td> </tr> <tr> <td>130.200</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.064	1/8" AG	130.065	1/8" IG	130.200
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.064	1/8" AG							
130.065	1/8" IG							
130.200	M5 AG							
0.5mm	0.2g							

10.018.265._																
	Materialcode 03 NR 02 Silikon															
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.109</td> <td>1/8" IG</td> </tr> <tr> <td>130.238</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.005	M5 IG	130.013	M5 AG	130.015	1/8" IG	130.103	M6 AG	130.109	1/8" IG	130.238
Halter <i>Fitting</i>	Gewinde <i>Thread</i>															
130.003	1/8" AG															
130.005	M5 IG															
130.013	M5 AG															
130.015	1/8" IG															
130.103	M6 AG															
130.109	1/8" IG															
130.238	1/8" AG															
1mm	1g															

10.018.266._								
	Materialcode 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.094</td> <td>M5 AG</td> </tr> <tr> <td>130.095</td> <td>1/8" AG</td> </tr> <tr> <td>130.096</td> <td>1/8" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.094	M5 AG	130.095	1/8" AG	130.096
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.094	M5 AG							
130.095	1/8" AG							
130.096	1/8" IG							
1mm	1g							

10.018.267._																		
	Materialcode V Vinyl																	
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>																	
130.003	1/8" AG																	
130.005	M5 IG																	
130.013	M5 AG																	
130.015	1/8" IG																	
130.024	M5 AG																	
130.033	1/8" AG																	
130.103	M6 AG																	
130.350	M10 AG																	
0.5mm	1.2g																	

10.018.271._								
	Materialcode 03 NR							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.024</td> <td>M5 AG</td> </tr> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>130.347</td> <td>M5 IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.024	M5 AG	130.033	1/8" AG	130.347
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.024	M5 AG							
130.033	1/8" AG							
130.347	M5 IG							
2.0mm	2.0g							

Flachsauger | Flat cups

10.018.621._	
	Materialcode
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.009	1/8" AG
1.5mm	1.0g

10.018.679._	
	Materialcode
	03 NR
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.043	1/4" AG
5mm	2g

10.019.272._	
	Materialcode
	03 NR
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.250	1/8" AG
1mm	0.2g

10.019.274._	
	Materialcode
	03 NR
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
2.0mm	0.4g

10.020.008._												
	Materialcode 03 NR 02 Silikon 12 verstärktes Silikon											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.037</td> <td>M5 AG</td> </tr> <tr> <td>130.085</td> <td>1/8" AG</td> </tr> <tr> <td>130.086</td> <td>1/8" IG</td> </tr> <tr> <td>130.373</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.005	M5 IG	130.037	M5 AG	130.085	1/8" AG	130.086	1/8" IG	130.373
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.005	M5 IG											
130.037	M5 AG											
130.085	1/8" AG											
130.086	1/8" IG											
130.373	M5 AG											
1mm	2g											

10.020.011._												
	Materialcode 03 NR 02 Silikon											
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.006	1/8" AG											
130.037	M5 AG											
130.085	1/8" AG											
130.086	1/8" IG											
130.373	M5 AG											
3.5mm	2.2g											

10.020.015._										
	Materialcode 03 NR 02 Silikon									
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.037	M5 AG									
130.085	1/8" AG									
130.086	1/8" IG									
130.373	M5 AG									
3mm	1.6g									

10.020.019._																		
	Materialcode 05 Polyurethan 02 Silikon																	
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>																	
130.006	1/8" AG																	
130.019	1/8" IG																	
130.030	1/8" AG																	
130.061	1/8" IG																	
130.063	1/8" AG																	
130.274	1/4" AG																	
130.275	1/4" IG																	
130.311	M5 AG																	
2mm	1.5g																	



Flachsauger | Flat cups



10.020.048._										
	Materialcode 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.311</td> <td>M5 AG</td> </tr> <tr> <td>130.312</td> <td>M6 AG</td> </tr> <tr> <td>270.479</td> <td>1/8" IG</td> </tr> <tr> <td>270.480</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.311	M5 AG	130.312	M6 AG	270.479	1/8" IG	270.480
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.311	M5 AG									
130.312	M6 AG									
270.479	1/8" IG									
270.480	1/8" AG									
2mm	1.5g									

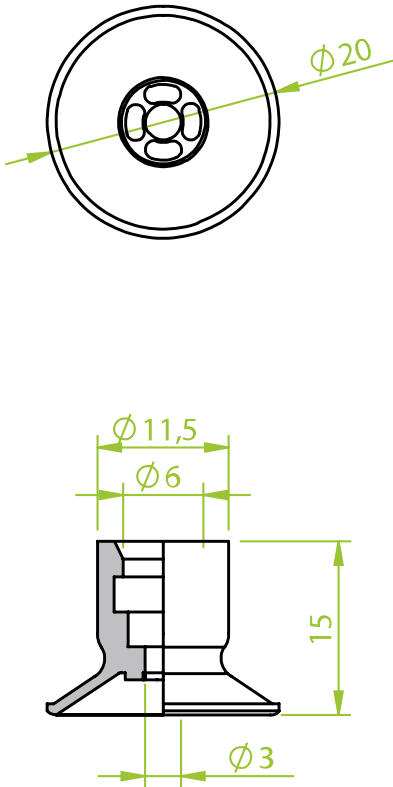
10.020.062._														
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	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.109</td> <td>1/8" IG</td> </tr> <tr> <td>130.194</td> <td>1/4" AG</td> </tr> <tr> <td>130.205</td> <td>1/8" AG</td> </tr> <tr> <td>130.238</td> <td>1/8" AG</td> </tr> <tr> <td>130.317</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.103	M6 AG	130.109	1/8" IG	130.194	1/4" AG	130.205	1/8" AG	130.238	1/8" AG	130.317
Halter <i>Fitting</i>	Gewinde <i>Thread</i>													
130.103	M6 AG													
130.109	1/8" IG													
130.194	1/4" AG													
130.205	1/8" AG													
130.238	1/8" AG													
130.317	M5 AG													
1.5mm	1.8g													



10.020.074._										
	Materialcode 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> <tr> <td>130.374</td> <td>M5 IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.033	1/8" AG	130.104	M6 AG	130.134	M5 AG	130.374
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.033	1/8" AG									
130.104	M6 AG									
130.134	M5 AG									
130.374	M5 IG									
2.5mm	0.2g									

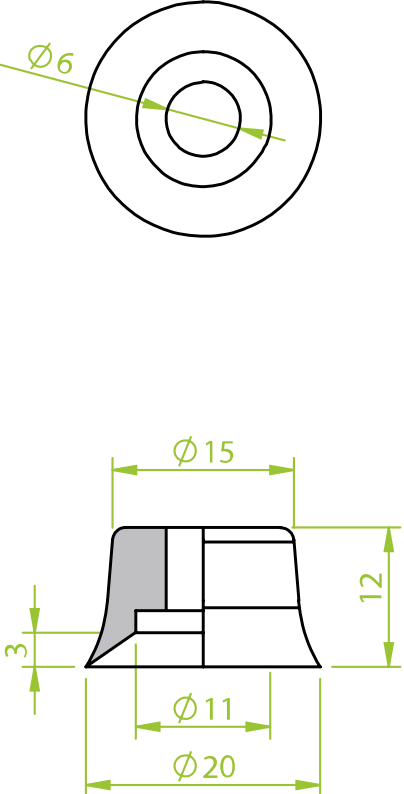
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.109	1/8" IG					
130.238	1/8" AG					
2.5mm	1g					



10.020.112._	
Materialcode	
03 NR	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.033	1/8" AG
130.035	1/8" IG
130.104	M6 AG
130.134	M5 AG
	
3mm	1g

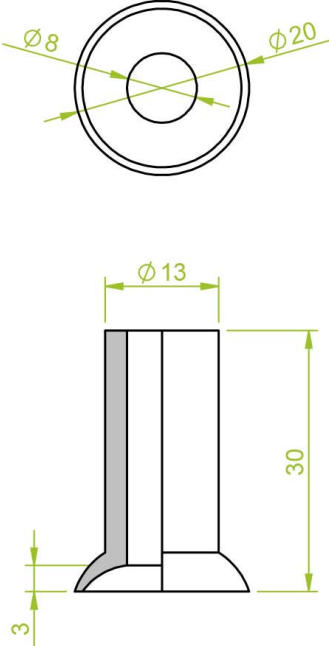
10.020.116._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.251	1/8" IG
	
3mm	2g



10.020.140._	
Materialcode	
09 HNBR 05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.019	1/8" IG
130.030	1/8" AG
130.274	1/4" AG
130.275	1/4" IG
	
3mm	2g



10.020.175._	
Materialcode	
03 NR	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.043	1/4" AG
130.114	1/8" IG
130.132	1/8" AG
130.178	1/4" IG
	
4mm	3g



Flachsauger | Flat cups

10.020.176._												
	Materialcode 03 NR 02 Silikon											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.006</td> <td>1/8" AG</td> </tr> <tr> <td>130.112</td> <td>1/8" AG</td> </tr> <tr> <td>130.113</td> <td>1/4" AG</td> </tr> <tr> <td>130.114</td> <td>1/8" IG</td> </tr> <tr> <td>130.178</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.006	1/8" AG	130.112	1/8" AG	130.113	1/4" AG	130.114	1/8" IG	130.178
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.006	1/8" AG											
130.112	1/8" AG											
130.113	1/4" AG											
130.114	1/8" IG											
130.178	1/4" IG											
3mm	1.2g											

10.020.212._								
	Materialcode 03 NR							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.040</td> <td>M8 AG</td> </tr> <tr> <td>130.077</td> <td>1/8" AG</td> </tr> <tr> <td>130.105</td> <td>M6 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.040	M8 AG	130.077	1/8" AG	130.105
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.040	M8 AG							
130.077	1/8" AG							
130.105	M6 AG							
1mm	0.1g							

10.020.278._										
	Materialcode 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.317</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.013	M5 AG	130.015	1/8" IG	130.317
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.003	1/8" AG									
130.013	M5 AG									
130.015	1/8" IG									
130.317	M5 AG									
2.5mm	1g									

10.020.280._										
	Materialcode 03 NR 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.037</td> <td>M5 AG</td> </tr> <tr> <td>130.085</td> <td>1/8" AG</td> </tr> <tr> <td>130.086</td> <td>1/8" IG</td> </tr> <tr> <td>130.373</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.037	M5 AG	130.085	1/8" AG	130.086	1/8" IG	130.373
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.037	M5 AG									
130.085	1/8" AG									
130.086	1/8" IG									
130.373	M5 AG									
mm	0g									

10.020.282._								
	Materialcode 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.041</td> <td>1/8" IG</td> </tr> <tr> <td>130.131</td> <td>1/8" AG</td> </tr> <tr> <td>130.194</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.041	1/8" IG	130.131	1/8" AG	130.194
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.041	1/8" IG							
130.131	1/8" AG							
130.194	1/4" AG							
1.5mm	1.4g							

10.020.284._								
	Materialcode 03 NR 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.097</td> <td>1/4" AG</td> </tr> <tr> <td>130.098</td> <td>1/4" IG</td> </tr> <tr> <td>130.181</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.097	1/4" AG	130.098	1/4" IG	130.181
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.097	1/4" AG							
130.098	1/4" IG							
130.181	1/8" AG							
3mm	2g							

10.020.285._								
	Materialcode 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.109</td> <td>1/8" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.103	M6 AG	130.109
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.003	1/8" AG							
130.103	M6 AG							
130.109	1/8" IG							
0.5mm	1.2g							

10.020.286._								
	Materialcode V Vinyl							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.177</td> <td>M10 AG</td> </tr> <tr> <td>130.190</td> <td>1/4" AG</td> </tr> <tr> <td>130.192</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.177	M10 AG	130.190	1/4" AG	130.192
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.177	M10 AG							
130.190	1/4" AG							
130.192	1/4" IG							
2.5mm	3.8g							

Flachsauger | Flat cups

10.020.290._		Materialcode	
		V Vinyl	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.104	M6 AG
		130.134	M5 AG
		130.347	M5 IG
		2.0mm	1.2g

10.020.291._		Materialcode	
		V Vinyl	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.311	M5 AG
		130.312	M6 AG
		130.479	1/8" IG
		130.480	1/8" AG
		1.1mm	1.5g

10.020.293._		Materialcode	
		V Vinyl	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.109	1/8" IG
		130.110	1/8" IG
		130.194	1/4" AG
		130.238	1/8" AG
		270.534	1/4" AG
		0.5mm	1.4g

10.020.297._		Materialcode	
		03 NR	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
		130.104	M6 AG
		130.134	M5 AG
		0mm	1g

10.020.405._	
	Materialcode
	03 NR
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
1mm	0.5g

10.020.586._	
	Materialcode
	05 Polyurethan 02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.604 130.605 130.606	M5 AG 1/8" AG 1/4" AG
3.5mm	2g

10.020.597._	
	Materialcode
	02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.015	1/8" IG
2.5mm	1.0g

10.020.613._	
	Materialcode
	03 NR 02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.005 130.013 130.087	M5 IG M5 AG 1/8" AG
2mm	0.7g

Flachsauger | Flat cups

10.020.626._	
	Materialcode 03 NR 02 Silikon
	Halter / <i>Fitting</i> Gewinde / <i>Thread</i>
	130.037 M5 AG 130.085 1/8" AG 130.086 1/8" IG
0.25mm	1.6g

10.020.647._	
	Materialcode 02 Silikon
	Halter / <i>Fitting</i> Gewinde / <i>Thread</i>
	130.005 M5 IG 130.007 1/8" IG 130.009 1/8" AG 130.010 M5 AG
0.6mm	0.7g

10.020.675._	
	Materialcode 02 Silikon
	Halter / <i>Fitting</i> Gewinde / <i>Thread</i>
	1.4mm

13.020.074._		vulkanisiert
	Materialcode 03 NR 12 verstärktes Silikon	
	Halter / <i>Fitting</i> Gewinde / <i>Thread</i>	
	3.5mm	3.9g

14.020.052._		vulkanisiert		10.020.0316._	
		Materialcode		Materialcode	
		03 NR 12 verstärktes Silikon		07 FKM	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
				130.037	M5 AG
				130.085	1/8" AG
				130.086	1/8" IG
				130.373	M5 AG
		2mm	3.8g	3.5mm	2.2g

10.021.299._		10.021.300._			
		Materialcode		Materialcode	
		03 NR		V Vinyl	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
				130.061	1/8" IG
				130.063	1/8" AG
				130.109	1/8" IG
				130.238	1/8" AG
		1.5mm	0.4g	0.5mm	1.4g

Flachsauger | Flat cups

10.021.301._		10.021.302._	
	Materialcode		Materialcode
	V Vinyl		03 NR 02 Silikon
Halter Fitting	Gewinde Thread	Halter Fitting	Gewinde Thread
2.0mm	0.6g	1mm	1g
10.021.601._		10.021.622._	
	Materialcode		Materialcode
	09 HNBR 02 Silikon		03 NR 02 Silikon
Halter Fitting	Gewinde Thread	Halter Fitting	Gewinde Thread
2.2mm	0.7g	1mm	1.5g

10.021.644._		Materialcode	
		V Vinyl	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.109 130.238	1/8" IG 1/8" AG
		2mm	1.8g

10.021.671._		Materialcode	
		12 verstärktes Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		0.5mm	0.4g

10.021.690._		Materialcode	
		03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.037 130.085 130.086	M5 AG 1/8" AG 1/8" IG
		2mm	1.3g

10.022.005._		Materialcode	
		05 Polyurethan 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.135 130.250 130.291	1/8" AG 1/8" AG 1/8" AG
		0.5mm	1g

Flachsauger | Flat cups

10.022.016._		
	Materialcode 03 NR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
1mm	0.4g	

10.022.056._		
	Materialcode 03 NR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
5mm	2.6g	

10.022.120._		
	Materialcode 04 CR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
2.5mm	1g	

10.022.126._		
	Materialcode 04 CR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
2.5mm	1.2g	

10.022.203._												
	Materialcode 05 Polyurethan 02 Silikon											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.035</td> <td>1/8" IG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> <tr> <td>130.242</td> <td>1/8" AG</td> </tr> <tr> <td>130.627</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.035	1/8" IG	130.104	M6 AG	130.134	M5 AG	130.242	1/8" AG	130.627
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.035	1/8" IG											
130.104	M6 AG											
130.134	M5 AG											
130.242	1/8" AG											
130.627	1/4" AG											
3mm	1.6g											

10.022.304._														
	Materialcode 05 Polyurethan													
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.188</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.005	M5 IG	130.013	M5 AG	130.015	1/8" IG	130.103	M6 AG	130.188
Halter <i>Fitting</i>	Gewinde <i>Thread</i>													
130.003	1/8" AG													
130.005	M5 IG													
130.013	M5 AG													
130.015	1/8" IG													
130.103	M6 AG													
130.188	1/8" AG													
3.0mm	0.6g													

10.022.307._				
	Materialcode V Vinyl			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
2.5mm	1.2g			

10.022.308._				
	Materialcode 03 NR 02 Silikon			
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.208	1/4" AG			
6mm	5.2g			

Flachsauger | Flat cups

10.022.623._		
	Materialcode	
	V Vinyl	
	Halter Fitting	Gewinde Thread
	130.238	1/8" AG
3mm	1.6g	

10.022.663._		
	Materialcode	
	Halter Fitting	Gewinde Thread
3.0mm	0.9g	

10.022.684._		
	Materialcode	
	Halter Fitting	Gewinde Thread
	130.132 130.208	1/8" AG 1/4" AG
3mm	0.4g	

11.022.001._		
	Materialcode	
	04 CR 02 Silikon	
	Halter Fitting	Gewinde Thread
2.5mm	3.5g	

11.022.004._	
Materialcode	
05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
0.5mm	4.5g

11.022.015._	
Materialcode	
05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
0.5mm	3.7g

11.022.020._	
Materialcode	
04 CR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
2.5mm	4.5g

11.022.025._	
Materialcode	
04 CR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
2.5mm	4.2g

Flachsauger | Flat cups

11.022.028._	
	Materialcode
	04 CR 02 Silikon
	Halter Fitting
	Gewinde Thread
	2.5mm
	4.5g

10.023.315._	
	Materialcode
	V Vinyl
	Halter Fitting
	Gewinde Thread
	130.109
	130.110
	130.194
	130.238
	0.5mm
	2.0g

10.023.612._	
	Materialcode
	02 Silikon
	Halter Fitting
	Gewinde Thread
	130.132
	130.208
	4mm
	4.1g

10.023.709._	
	Materialcode
	V Vinyl
	Halter Fitting
	Gewinde Thread
	mm
	0g

10.024.351._		
	Materialcode	
	03 NR	
	Halter Fitting	Gewinde Thread
	130.021	1/8" AG
	4.0mm	1.5g

10.025.010._		
	Materialcode	
	06 EPDM 03 NR	
	Halter Fitting	Gewinde Thread
	130.006 130.018 130.019 130.030	1/8" AG 1/8" IG 1/8" IG 1/8" AG
	4.0mm	1.8g

10.025.028._		
	Materialcode	
	02 Silikon	
	Halter Fitting	Gewinde Thread
	7mm	2.1g

10.025.049._		
	Materialcode	
	02 Silikon	
	Halter Fitting	Gewinde Thread
	130.302 130.311 130.479	1/8" AG M5 AG 1/8" IG
	2.5mm	2.5g

Flachsauger | Flat cups

10.025.076._		
	Materialcode 03 NR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.039	M6 AG
2.5mm	1g	

10.025.077._		
	Materialcode 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.109 130.110 130.194 130.238 270.443 270.534	1/8" IG 1/8" IG 1/4" AG 1/8" AG M5 AG 1/4" AG
4mm	2.2g	

10.025.087._		
	Materialcode 03 NR	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.096 130.110 130.200 130.238 130.250 270.534	1/8" IG 1/8" IG M5 AG 1/8" AG 1/8" AG 1/4" AG
3.5mm	1.2g	

10.025.115._		
	Materialcode 03 NR	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.033 130.035 130.104 130.134 130.347 270.478	1/8" AG 1/8" IG M6 AG M5 AG M5 IG 1/8" IG
mm	2.4g	

10.025.141._		
	Materialcode	
	05 Polyurethan 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.019 130.030 130.274 130.275 130.312	1/8" IG 1/8" AG 1/4" AG 1/4" IG M6 AG
2.5mm	2.7g	

10.025.157._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.039	M6 AG
3mm	1.2g	

10.025.177._		
	Materialcode	
	03 NR	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.019 130.030 130.114 130.190 130.192	1/8" IG 1/8" AG 1/8" IG 1/4" AG 1/4" IG
2.0mm	4.0g	

10.025.178._		
	Materialcode	
	03 NR	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.019 130.030 130.190 130.192	1/8" IG 1/8" AG 1/4" AG 1/4" IG
1.0mm	3.6g	

Flachsauger | Flat cups

10.025.320._		Materialcode	
		05 Polyurethan	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.003	1/8" AG
		130.013	M5 AG
		130.033	1/8" AG
		130.104	M6 AG
		130.134	M5 AG
		4.0mm	1.0g

10.025.328._		Materialcode	
		V Vinyl	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.003	1/8" AG
		130.005	M5 IG
		130.013	M5 AG
		130.015	1/8" IG
		130.103	M6 AG
		130.194	1/4" AG
		1.5mm	2.0g

10.025.330._		Materialcode	
		03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.006	1/8" AG
		130.018	1/8" IG
		130.064	1/8" AG
		130.065	1/8" IG
		130.200	M5 AG
		5mm	1.4g

10.025.335._		Materialcode	
		03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		1.5mm	1.2g

10.025.338._	
	Materialcode
	03 NR
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.250	1/8" AG
1.0mm	1.2g

10.025.339._	
	Materialcode
	03 NR
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.043 130.059	1/4" AG 1/8" AG
0.0mm	1.6g

10.025.340._	
	Materialcode
	V Vinyl
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.094 130.109 130.194 130.238 270.534	M5 AG 1/8" IG 1/4" AG 1/8" AG 1/4" AG
2.5mm	2.0g

10.025.346._	
	Materialcode
	02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.110 130.112 130.114 130.178 130.238 270.534	1/8" IG 1/8" AG 1/8" IG 1/4" IG 1/8" AG 1/4" AG
3.5mm	1.8g

Flachsauger | Flat cups

10.025.347._		Materialcode		10.025.348._		Materialcode	
		03 NR				03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>			Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.177	M10 AG			130.177	M10 AG
		130.190	1/4" AG			130.190	1/4" AG
		130.192	1/4" IG			130.192	1/4" IG
		4.0mm	3.0g			2.0mm	3.2g
10.025.349._		Materialcode		10.025.350._		Materialcode	
		V Vinyl				02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>			Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.177	M10 AG			130.043	1/4" AG
		130.190	1/4" AG			130.114	1/8" IG
		130.192	1/4" IG			130.132	1/8" AG
		130.244	M5 AG			130.178	1/4" IG
		2.5mm	3.2g			5mm	2.4g

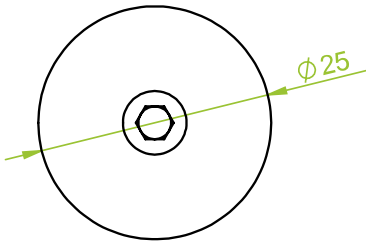
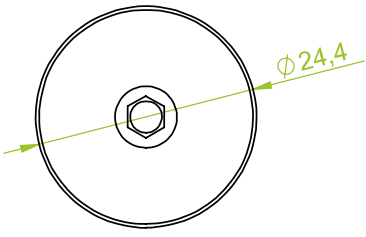
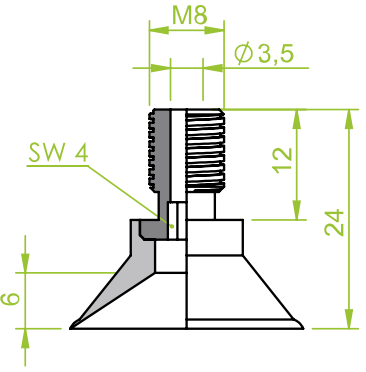
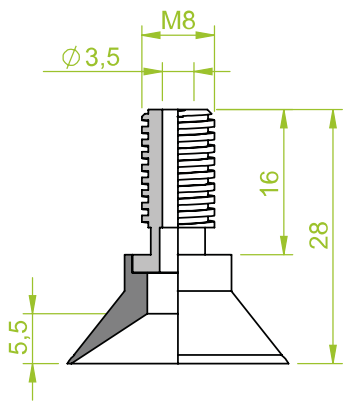




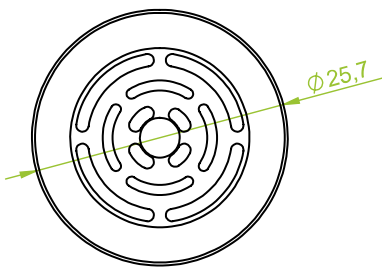
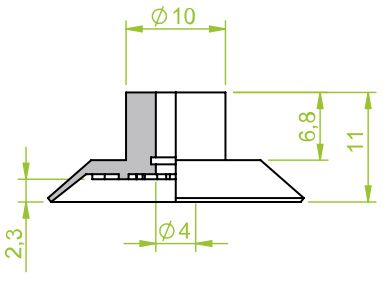




10.025.361._										
	Materialcode 03 NR 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.109</td> <td>1/8" IG</td> </tr> <tr> <td>130.194</td> <td>1/4" AG</td> </tr> <tr> <td>130.238</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.013	M5 AG	130.109	1/8" IG	130.194	1/4" AG	130.238
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.013	M5 AG									
130.109	1/8" IG									
130.194	1/4" AG									
130.238	1/8" AG									
0mm	1.6g									

10.025.587._								
	Materialcode 05 Polyurethan 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.604</td> <td>M5 AG</td> </tr> <tr> <td>130.605</td> <td>1/8" AG</td> </tr> <tr> <td>130.606</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.604	M5 AG	130.605	1/8" AG	130.606
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.604	M5 AG							
130.605	1/8" AG							
130.606	1/4" AG							
3mm	2.2g							

10.025.596._						
	Materialcode 03 NR 05 Polyurethan 02 Silikon					
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.191</td> <td>1/4" AG</td> </tr> <tr> <td>130.609</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.191	1/4" AG	130.609
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.191	1/4" AG					
130.609	1/4" AG					
3mm	3g					

10.025.650._				
	Materialcode			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
2.0mm	1.5g			

Flachsauger | Flat cups

14.025.037._		vulkanisiert		14.025.040._		vulkanisiert	
		Materialcode				Materialcode	
		02 Silikon				02 Silikon	
		Halter	Gewinde			Halter	Gewinde
		Fitting	Thread			Fitting	Thread
							
5.0mm		5.0g		6mm		5.6g	
10.025.0332._				10.026.032._			
		Materialcode				Materialcode	
		VU VU				03 NR 02 Silikon	
		Halter	Gewinde			Halter	Gewinde
		Fitting	Thread			Fitting	Thread
		130.191 1/4" AG		130.003 1/8" AG 130.013 M5 AG 130.033 1/8" AG 130.087 1/8" AG			
							
3.0mm		3.0g		1mm		1g	

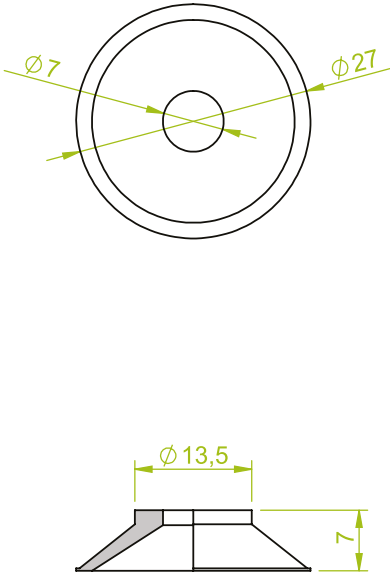


10.026.363._	
03 NR	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
mm	0g

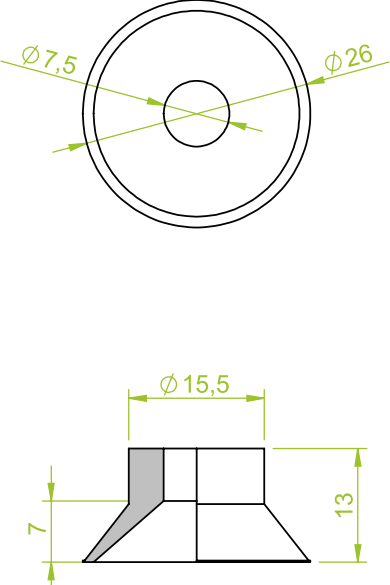


10.026.364._	
V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
4mm	1.4g

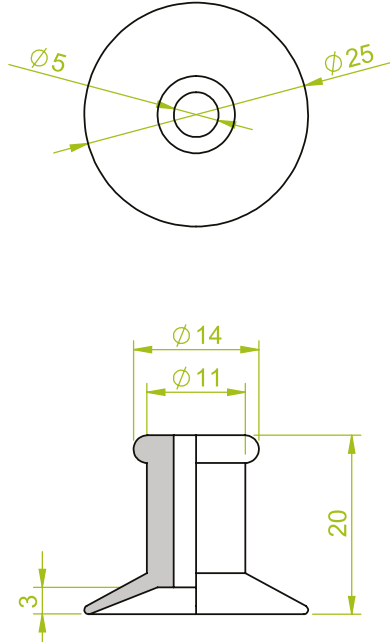


10.026.366._	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.110 130.238 270.534	1/8" IG 1/8" AG 1/4" AG
2mm	3g

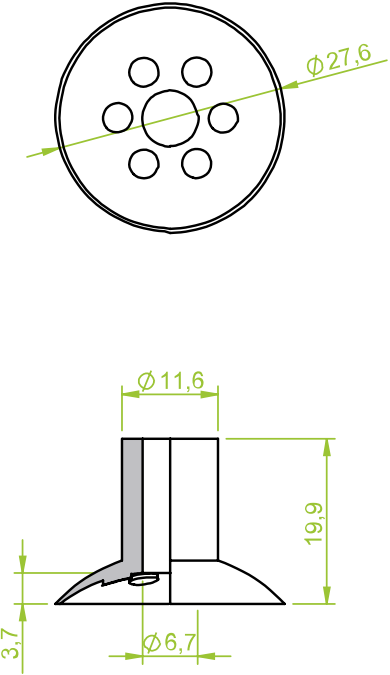


10.027.104._	
03 NR	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.177 130.451 130.452 130.609	M10 AG 1/4" AG 1/4" IG 1/4" AG
2mm	2.8g

Flachsauger | Flat cups

10.027.213._		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.039	M6 AG
		130.040	M8 AG
		130.077	1/8" AG
		130.105	M6 AG
			
		4mm	1.3g

10.027.367._		Materialcode	
		V Vinyl	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.038	1/4" IG
		130.043	1/4" AG
			
		5mm	2.0g

10.027.368._		Materialcode	
		03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.003	1/8" AG
		130.013	M5 AG
		130.015	1/8" IG
		130.103	M6 AG
		130.194	1/4" AG
			
		4.0mm	2.0g

10.027.370._		Materialcode	
		03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.112	1/8" AG
		130.113	1/4" AG
		130.114	1/8" IG
		130.178	1/4" IG
			
		2mm	2.4g

10.027.371._		
	Materialcode	
	03 NR	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.040 130.077 130.105	M8 AG 1/8" AG M6 AG
3mm	1.1g	

10.027.373._		
	Materialcode	
	V Vinyl	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.109 130.110 130.238 270.443 270.534	1/8" IG 1/8" IG 1/8" AG M5 AG 1/4" AG
2.5mm	2.8g	

10.027.374._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.109 130.114 130.238 130.451 130.452	1/8" IG 1/8" IG 1/8" AG 1/4" AG 1/4" IG
0.5mm	2g	

10.027.646._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
0.8mm	2.9g	

Flachsauger | Flat cups

10.028.054._		Materialcode	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.251	1/8" IG
		3mm	2.1g

10.028.098._		Materialcode	
		04 CR 05 Polyurethan 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.094 130.096 130.135 130.250 130.291	M5 AG 1/8" IG 1/8" AG 1/8" AG 1/8" AG
		1mm	1.6g

10.028.376._		Materialcode	
		V Vinyl	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.479 270.459 270.480	1/8" IG M6 AG 1/8" AG
		4mm	4.8g

10.028.379._		Materialcode	
		V Vinyl	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.019 130.030 130.112 130.113 130.114 130.178	1/8" IG 1/8" AG 1/8" AG 1/4" AG 1/8" IG 1/4" IG
		2mm	2.0g

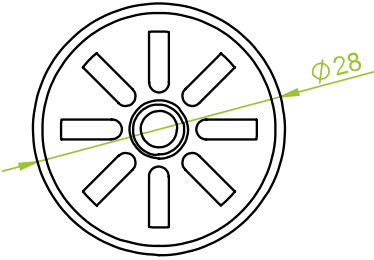
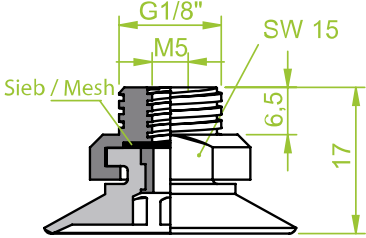


10.028.380._			
		Materialcode	
		V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.177	M10 AG		
130.190	1/4" AG		
130.192	1/4" IG		
130.244	M5 AG		
130.451	1/4" AG		
130.452	1/4" IG		
4mm	4.2g		

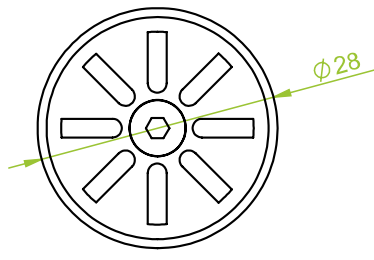
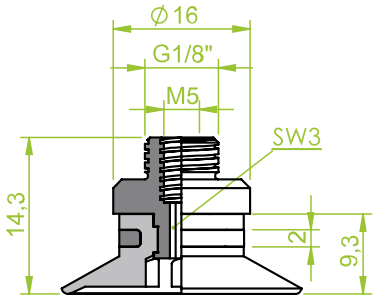


10.028.381._			
		Materialcode	
		V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.177	M10 AG		
130.190	1/4" AG		
130.192	1/4" IG		
130.244	M5 AG		
130.451	1/4" AG		
130.452	1/4" IG		
5mm	4.4g		

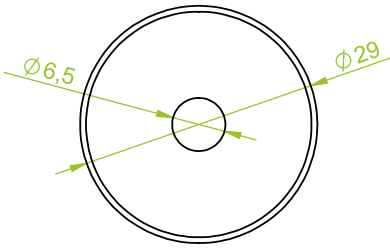
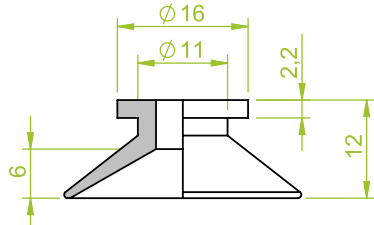


10.028.551._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
7mm	1.3g		

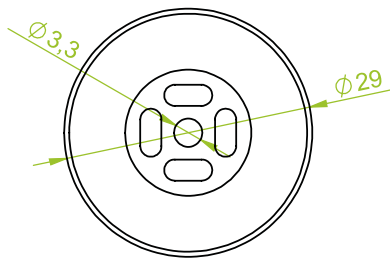
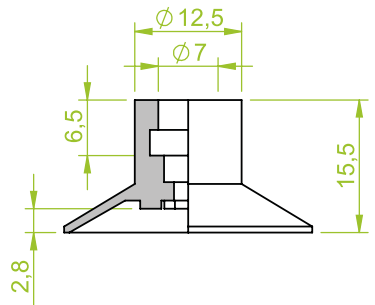


10.028.616._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
3mm	1.9g		

Flachsauger | Flat cups

11.028.005._		Materialcode	
	04 CR 02 Silikon		
	Halter Fitting	Gewinde Thread	
			
	1mm	4.5g	

11.028.016._		Materialcode	
	04 CR 05 Polyurethan 02 Silikon		
	Halter Fitting	Gewinde Thread	
			
	0.5mm	3.7g	

10.029.384._		Materialcode	
	V Vinyl		
	Halter Fitting	Gewinde Thread	
			
	4.5mm	2.2g	

10.029.385._		Materialcode	
	V Vinyl		
	Halter Fitting	Gewinde Thread	
			
	4mm	2g	

10.029.582._			
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.063	1/8" AG		
130.094	M5 AG		
130.291	1/8" AG		
130.504	1/4" AG		
130.519	1/8" IG		
130.520	1/8" AG		
130.599	M5 AG		
3.5mm	2.4g		

10.030.050._			
		Materialcode	
		07 FKM 05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.006	1/8" AG		
130.039	M6 AG		
130.247	M8 AG		
130.611	1/8" AG		
270.481	1/8" IG		
270.483	1/4" AG		
270.484	1/4" IG		
2.5mm	2.5g		

10.030.063._			
		Materialcode	
		07 FKM 05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.103	M6 AG		
130.109	1/8" IG		
130.194	1/4" AG		
130.205	1/8" AG		
130.317	M5 AG		
2.5mm	3.8g		

10.030.078._			
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.628	M8 AG		
4mm	1.9g		



Flachsauger | Flat cups



10.030.079._		Materialcode	
		02 Silikon	
		Halter Fitting	Gewinde Thread
130.109		1/8" IG	
130.238		1/8" AG	
270.534		1/4" AG	
3.5mm		2.8g	

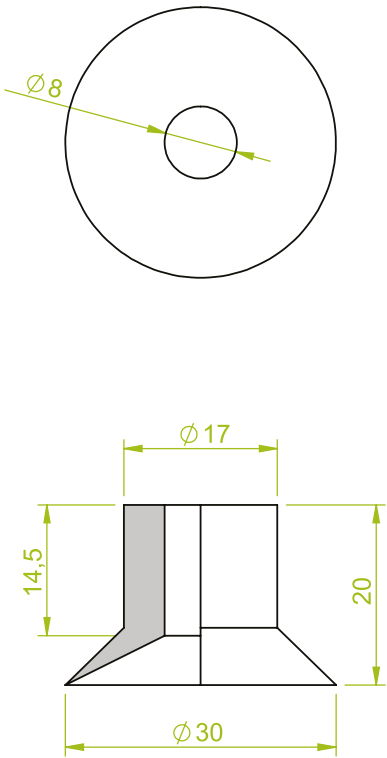
10.030.102._		Materialcode	
		03 NR 02 Silikon	
		Halter Fitting	Gewinde Thread
130.451		1/4" AG	
130.452		1/4" IG	
130.609		1/4" AG	
3mm		3g	



10.030.103._		Materialcode	
		03 NR	
		Halter Fitting	Gewinde Thread
130.451		1/4" AG	
130.452		1/4" IG	
130.609		1/4" AG	
3mm		3g	



10.030.142._		Materialcode	
		09 HNBR 05 Polyurethan 02 Silikon	
		Halter Fitting	Gewinde Thread
130.019		1/8" IG	
130.030		1/8" AG	
130.274		1/4" AG	
130.275		1/4" IG	
130.312		M6 AG	
2mm		3.3g	

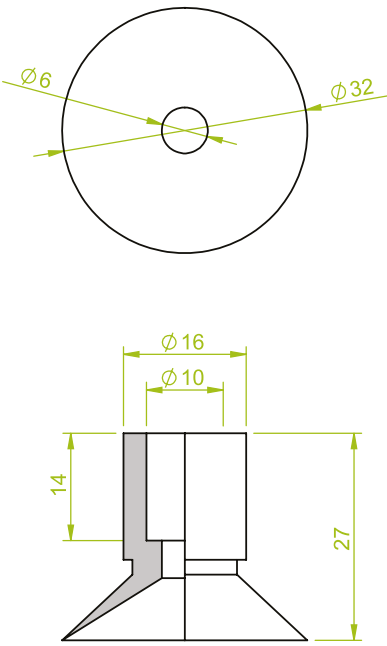
10.030.158._	
Materialcode	
03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.039	M6 AG
	
4mm	1.4g

10.030.179._	
Materialcode	
03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.114 130.132 130.190 130.192	1/8" IG 1/8" AG 1/4" AG 1/4" IG
	
3mm	4.2g



10.030.322._	
Materialcode	
03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.109 130.238	1/8" IG 1/8" AG
	
4mm	1.8g

10.030.355._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.190 130.192 130.244 130.609	1/4" AG 1/4" IG M5 AG 1/4" AG
	
6.5mm	3.6g



Flachsauger | Flat cups

10.030.386._		Materialcode	
		05 Polyurethan	
		Halter Fitting	Gewinde Thread
		130.003	1/8" AG
		130.013	M5 AG
		130.104	M6 AG
4.5mm	1.4g		

10.030.394._		Materialcode	
		Halter Fitting	Gewinde Thread
		130.039	M6 AG
		130.611	1/8" AG
		270.481	1/8" IG
		270.483	1/4" AG
		270.484	1/4" IG
1.8mm	3.7g		

10.030.398._		Materialcode	
		V Vinyl	
		Halter Fitting	Gewinde Thread
		3mm	1.2g

10.030.399._		Materialcode	
		V Vinyl	
		Halter Fitting	Gewinde Thread
		130.019	1/8" IG
		130.030	1/8" AG
		130.039	M6 AG
		130.274	1/4" AG
		130.275	1/4" IG
3mm	1.8g		

10.030.401._											
	Materialcode										
	03 NR										
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.043</td> <td>1/4" AG</td> </tr> <tr> <td>130.112</td> <td>1/8" AG</td> </tr> <tr> <td>130.114</td> <td>1/8" IG</td> </tr> <tr> <td>130.244</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.043	1/4" AG	130.112	1/8" AG	130.114	1/8" IG	130.244	M5 AG
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.043	1/4" AG										
130.112	1/8" AG										
130.114	1/8" IG										
130.244	M5 AG										
<table border="1"> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td>1mm</td> <td>1.5g</td> </tr> </tbody> </table>			1mm	1.5g							
1mm	1.5g										

10.030.409._							
	Materialcode						
	02 Silikon						
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.097</td> <td>1/4" AG</td> </tr> <tr> <td>130.098</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.097	1/4" AG	130.098	1/4" IG
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.097	1/4" AG						
130.098	1/4" IG						
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3mm	4.6g						

10.030.590._									
	Materialcode								
	05 Polyurethan								
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	Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.604	M5 AG								
130.605	1/8" AG								
130.606	1/4" AG								
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1.5mm	3g								

10.030.606._					
	Materialcode				
	02 Silikon				
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	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
<table border="1"> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td>2mm</td> <td>0.9g</td> </tr> </tbody> </table>			2mm	0.9g	
2mm	0.9g				

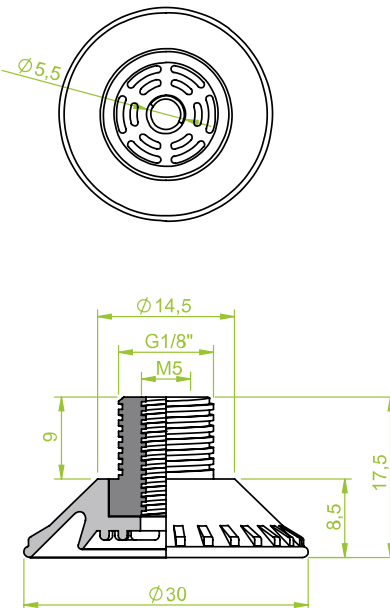


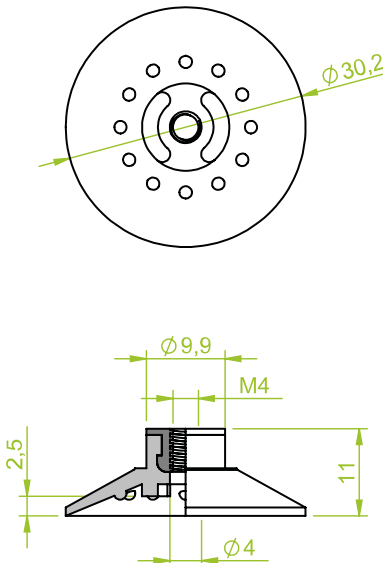




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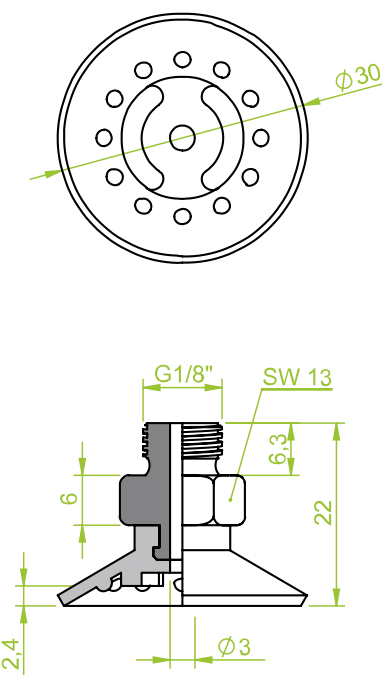


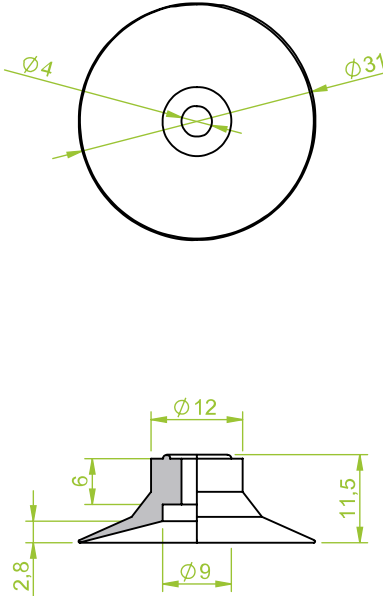

10.030.614._			
		Materialcode	
		12 verstärktes Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
1mm	1g		

10.030.617._			
		Materialcode	
		04 CR 03 NR 05 Polyurethan	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.006 130.599	1/8" AG M5 AG		
3.5mm	1.8g		

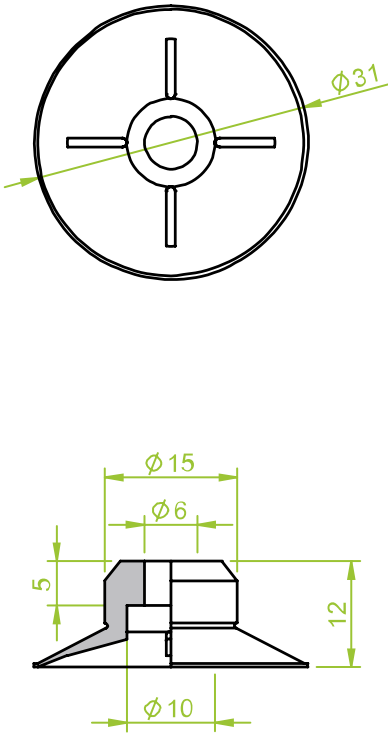






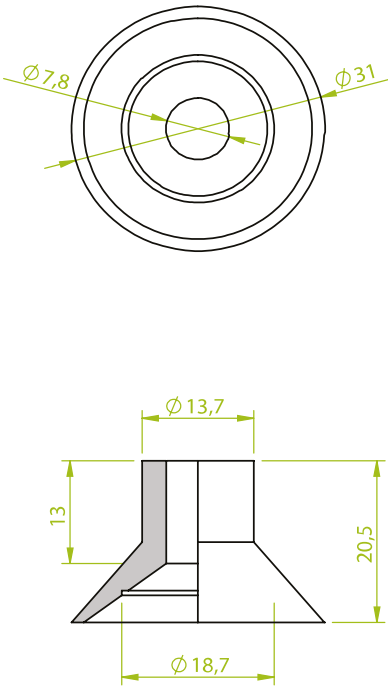






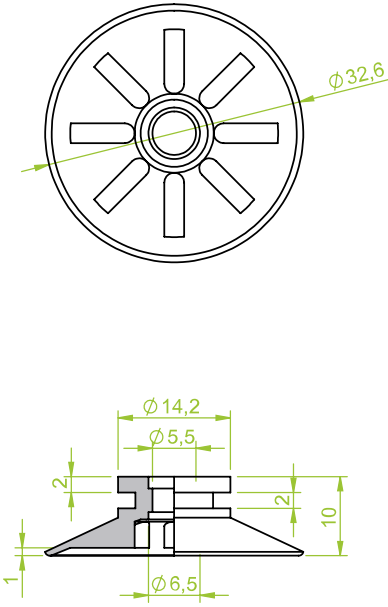






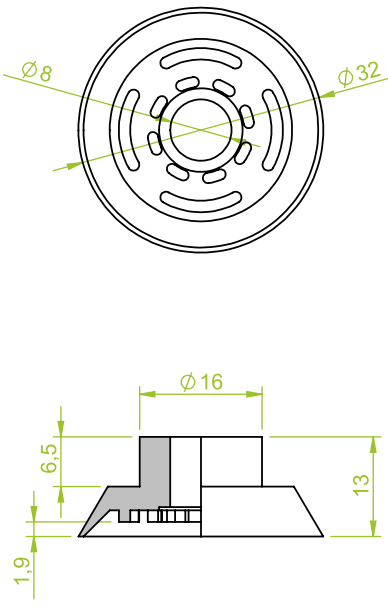






10.030.668._			
		Materialcode	
		05 Polyurethan	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.006 130.599	1/8" AG M5 AG		
3mm	2.8g		

10.030.672._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
10mm	2.2g		

13.030.030._	vulkanisiert		13.030.073._	vulkanisiert																									
	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td colspan="2">  </td> </tr> <tr> <td>1.5mm</td> <td>6g</td> </tr> </tbody> </table>		Materialcode		02 Silikon		Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			1.5mm	6g		<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td colspan="2">  </td> </tr> <tr> <td>2mm</td> <td>2.1g</td> </tr> </tbody> </table>		Materialcode		02 Silikon		Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			2mm	2.1g
Materialcode																													
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Halter	Gewinde																												
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Materialcode																													
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Halter	Gewinde																												
<i>Fitting</i>	<i>Thread</i>																												
																													
2mm	2.1g																												

14.030.044._	vulkanisiert		10.031.055._												
	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">05 Polyurethan 02 Silikon</td> </tr> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td colspan="2">  </td> </tr> <tr> <td>2mm</td> <td>5.2g</td> </tr> </tbody> </table>		Materialcode		05 Polyurethan 02 Silikon		Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			2mm	5.2g	
Materialcode															
05 Polyurethan 02 Silikon															
Halter	Gewinde														
<i>Fitting</i>	<i>Thread</i>														
															
2mm	5.2g														

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<p>10.031.637._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>2mm</td> <td>1.8g</td> </tr> </tbody> </table>	Materialcode		02 Silikon		Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			2mm	1.8g										
Materialcode																							
02 Silikon																							
Halter	Gewinde																						
<i>Fitting</i>	<i>Thread</i>																						
																							
2mm	1.8g																						
<p>10.031.683._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">03 NR 02 Silikon</td> </tr> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>6mm</td> <td>3.1g</td> </tr> </tbody> </table>	Materialcode		03 NR 02 Silikon		Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			6mm	3.1g										
Materialcode																							
03 NR 02 Silikon																							
Halter	Gewinde																						
<i>Fitting</i>	<i>Thread</i>																						
																							
6mm	3.1g																						
<p>10.032.022._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">02 Silikon 12 verstärktes Silikon</td> </tr> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td>130.094</td> <td>M5 AG</td> </tr> <tr> <td>130.135</td> <td>1/8" AG</td> </tr> <tr> <td>130.250</td> <td>1/8" AG</td> </tr> <tr> <td>130.291</td> <td>1/8" AG</td> </tr> <tr> <td>130.507</td> <td>1/8" AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>2.5mm</td> <td>1.8g</td> </tr> </tbody> </table>	Materialcode		02 Silikon 12 verstärktes Silikon		Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>	130.094	M5 AG	130.135	1/8" AG	130.250	1/8" AG	130.291	1/8" AG	130.507	1/8" AG			2.5mm	1.8g
Materialcode																							
02 Silikon 12 verstärktes Silikon																							
Halter	Gewinde																						
<i>Fitting</i>	<i>Thread</i>																						
130.094	M5 AG																						
130.135	1/8" AG																						
130.250	1/8" AG																						
130.291	1/8" AG																						
130.507	1/8" AG																						
																							
2.5mm	1.8g																						
<p>10.032.105._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">03 NR 02 Silikon</td> </tr> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td>130.043</td> <td>1/4" AG</td> </tr> <tr> <td>130.451</td> <td>1/4" AG</td> </tr> <tr> <td>130.452</td> <td>1/4" IG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>2mm</td> <td>4.4g</td> </tr> </tbody> </table>	Materialcode		03 NR 02 Silikon		Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>	130.043	1/4" AG	130.451	1/4" AG	130.452	1/4" IG			2mm	4.4g				
Materialcode																							
03 NR 02 Silikon																							
Halter	Gewinde																						
<i>Fitting</i>	<i>Thread</i>																						
130.043	1/4" AG																						
130.451	1/4" AG																						
130.452	1/4" IG																						
																							
2mm	4.4g																						

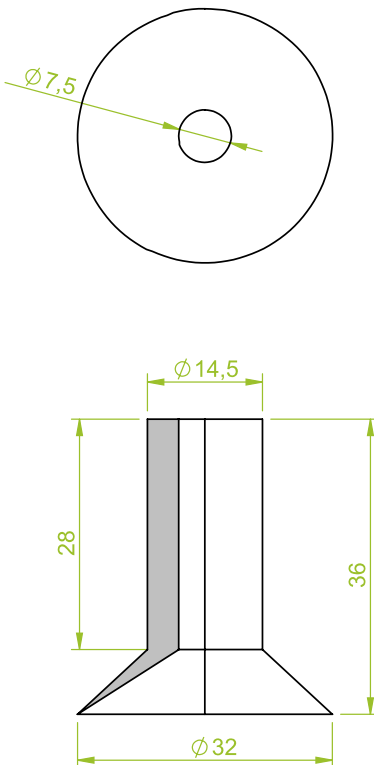






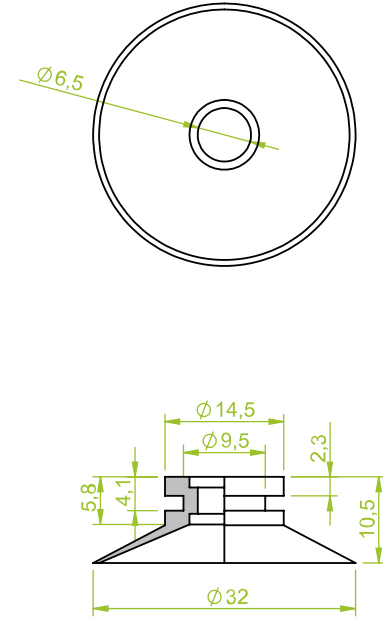






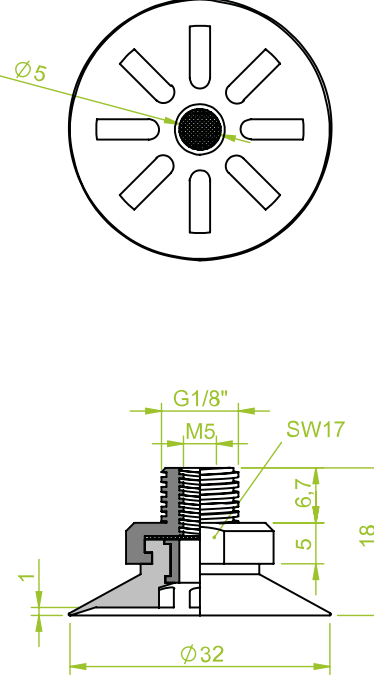






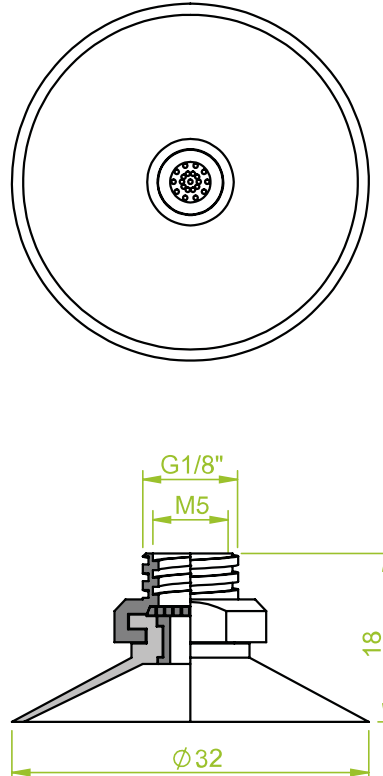






10.032.111._			
		Materialcode	
		V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.177	M10 AG		
130.244	M5 AG		
130.451	1/4" AG		
130.452	1/4" IG		
2mm	4.4g		

10.032.121._			
		Materialcode	
		04 CR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.094	M5 AG		
130.135	1/8" AG		
130.250	1/8" AG		
130.291	1/8" AG		
130.507	1/8" AG		
4.5mm	1.2g		

10.032.127._			
		Materialcode	
		04 CR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.135	1/8" AG		
130.250	1/8" AG		
130.291	1/8" AG		
130.507	1/8" AG		
5mm	3.3g		

10.032.165._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
0mm	1.7g		

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<p>10.032.418._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td>03 NR</td> <td>02 Silikon</td> </tr> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.112</td> <td>1/8" AG</td> </tr> <tr> <td>130.113</td> <td>1/4" AG</td> </tr> <tr> <td>130.114</td> <td>1/8" IG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>6mm</td> <td>4.8g</td> </tr> </tbody> </table>	Materialcode		03 NR	02 Silikon	Halter Fitting	Gewinde Thread	130.112	1/8" AG	130.113	1/4" AG	130.114	1/8" IG			6mm	4.8g
Materialcode																	
03 NR	02 Silikon																
Halter Fitting	Gewinde Thread																
130.112	1/8" AG																
130.113	1/4" AG																
130.114	1/8" IG																
																	
6mm	4.8g																
<p>10.032.704._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>6mm</td> <td>3.6g</td> </tr> </tbody> </table>	Materialcode				Halter Fitting	Gewinde Thread					6mm	3.6g				
Materialcode																	
Halter Fitting	Gewinde Thread																
																	
6mm	3.6g																
<p>11.032.006._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td>04 CR</td> <td>05 Polyurethan</td> </tr> <tr> <td></td> <td>02 Silikon</td> </tr> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>2.5mm</td> <td>7g</td> </tr> </tbody> </table>	Materialcode		04 CR	05 Polyurethan		02 Silikon	Halter Fitting	Gewinde Thread					2.5mm	7g		
Materialcode																	
04 CR	05 Polyurethan																
	02 Silikon																
Halter Fitting	Gewinde Thread																
																	
2.5mm	7g																
<p>11.032.012._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td>04 CR</td> <td>02 Silikon</td> </tr> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>2.5mm</td> <td>4.7g</td> </tr> </tbody> </table>	Materialcode		04 CR	02 Silikon	Halter Fitting	Gewinde Thread					2.5mm	4.7g				
Materialcode																	
04 CR	02 Silikon																
Halter Fitting	Gewinde Thread																
																	
2.5mm	4.7g																

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14.032.051._		vulkanisiert		10.033.419._	
		Materialcode			
		Halter Fitting			
		Gewinde Thread		V Vinyl	
				Halter Fitting	
				Gewinde Thread	
				130.036 1/8" AG	
				130.177 M10 AG	
				130.244 M5 AG	
				130.451 1/4" AG	
				130.452 1/4" IG	
		5mm		8.4g	
		1.5mm		4.4g	

10.033.578._		10.033.579._	
02 Silikon		02 Silikon	
Halter Fitting		Halter Fitting	
Gewinde Thread		Gewinde Thread	
130.132 1/8" AG		130.132 1/8" AG	
130.190 1/4" AG		130.190 1/4" AG	
130.208 1/4" AG		130.208 1/4" AG	
6mm		mm	
6g		7g	

10.033.642._			
		Materialcode	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.114	1/8" IG		
130.132	1/8" AG		
130.208	1/4" AG		
130.614	1/4" AG		
1mm	8.7g		

10.034.094._			
		Materialcode	
02 Silikon 12 verstärktes Silikon			
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.030	1/8" AG		
130.274	1/4" AG		
130.275	1/4" IG		
2.5mm	3.8g		

10.034.106._			
		Materialcode	
03 NR 02 Silikon			
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.097	1/4" AG		
130.098	1/4" IG		
130.177	M10 AG		
130.190	1/4" AG		
130.192	1/4" IG		
130.609	1/4" AG		
0.5mm	4.7g		

10.034.180._			
		Materialcode	
03 NR 02 Silikon			
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.019	1/8" IG		
130.030	1/8" AG		
130.112	1/8" AG		
130.113	1/4" AG		
130.114	1/8" IG		
130.178	1/4" IG		
3mm	4.4g		

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10.034.395._		Materialcode	
		03 NR	
		Halter Fitting	Gewinde Thread
		130.097 130.098	1/4" AG 1/4" IG
		1mm	4.4g

10.034.397._		Materialcode	
		06 EPDM 03 NR 02 Silikon	
		Halter Fitting	Gewinde Thread
		130.030 130.043 130.114 130.274 130.275	1/8" AG 1/4" AG 1/8" IG 1/4" AG 1/4" IG
		3mm	4.8g

13.034.075._		vulkanisiert		Materialcode	
		03 NR			
		Halter Fitting	Gewinde Thread		
		2mm	19.9g		

14.034.053._		vulkanisiert		Materialcode	
		03 NR			
		Halter Fitting	Gewinde Thread		
		2.5mm	23.3g		

10.035.025._			
		Materialcode	
		V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.019	1/8" IG		
130.030	1/8" AG		
130.274	1/4" AG		
130.275	1/4" IG		
6mm	4.4g		

10.035.081._			
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
4mm	3.2g		

10.035.143._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.019	1/8" IG		
130.030	1/8" AG		
130.274	1/4" AG		
130.275	1/4" IG		
130.312	M6 AG		
3mm	6g		

10.035.427._			
		Materialcode	
		03 NR 02 Silikon 12 verstärktes Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
5mm	2.8g		

Flachsauger | Flat cups

10.035.428._			
		Materialcode	
		03 NR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.006	1/8" AG
		5mm	3.2g

10.035.429._			
		Materialcode	
		03 NR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.177 130.451 130.452	M10 AG 1/4" AG 1/4" IG
		4mm	3.2g

10.035.431._			
		Materialcode	
		03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		4mm	2g

10.035.432._			
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.234	1/8" IG
		3mm	2.4g

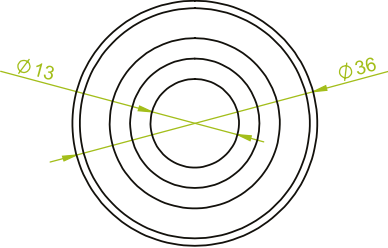
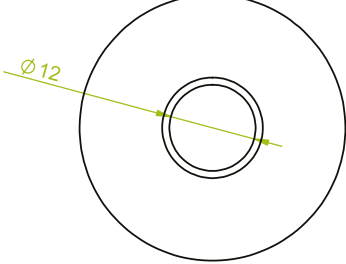
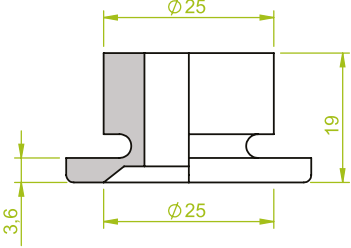
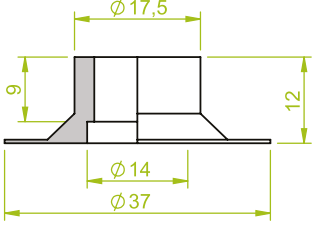


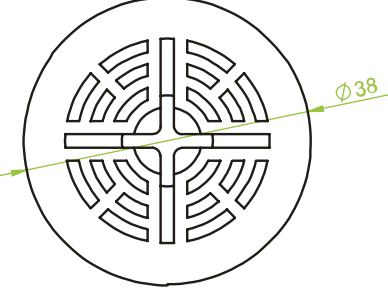
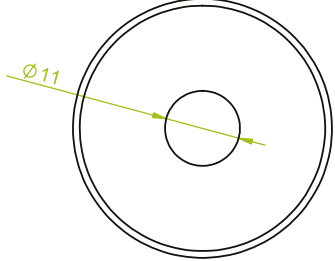
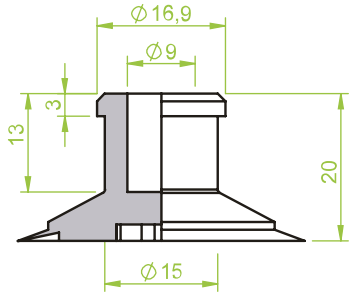
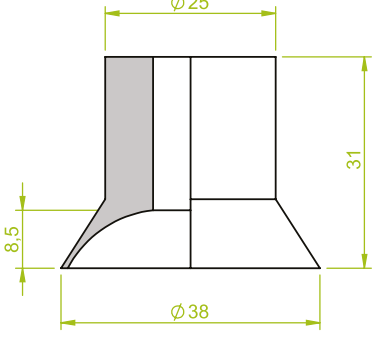


10.035.433._	
	Materialcode
	03 NR
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.030	1/8" AG
130.114	1/8" IG
130.274	1/4" AG
130.275	1/4" IG
1mm	3.6g

10.035.435._	
	Materialcode
	V Vinyl
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.114	1/8" IG
130.132	1/8" AG
130.208	1/4" AG
130.452	1/4" IG
2mm	4.6g

10.035.436._	
	Materialcode
	V Vinyl
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.114	1/8" IG
130.132	1/8" AG
130.208	1/4" AG
130.452	1/4" IG
1.5mm	4.6g

10.036.439._	
	Materialcode
	02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.097	1/4" AG
130.451	1/4" AG
130.452	1/4" IG
130.521	1/4" AG
0.5mm	5g

Flachsauger | Flat cups

10.036.444._	Materialcode		10.037.446._		Materialcode	
	03 NR			03 NR		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
	130.207	1/4" AG		130.097 130.098	1/4" AG 1/4" IG	
1.5mm	6.7g		0mm	2.6g		
10.038.333._	Materialcode		10.038.437._	Materialcode		
	02 Silikon			V Vinyl		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
	130.097 130.451 130.452 130.521	1/4" AG 1/4" AG 1/4" IG 1/4" AG		130.049	1/4" AG	
1mm	4.5g		6mm	11.6g		

10.038.449._			
		Materialcode	
		05 Polyurethan	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.041	1/8" IG		
130.110	1/8" IG		
130.197	M5 AG		
130.238	1/8" AG		
270.443	M5 AG		
270.534	1/4" AG		
3.5mm	5.6g		

10.038.451._			
		Materialcode	
		03 NR	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.207	1/4" AG		
2.5mm	8g		

10.038.553._			
		Materialcode	
		02 Silikon	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
5mm	2.6g		

10.039.452._			
		Materialcode	
		03 NR	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.210	1/4" AG		
5mm	6.1g		

Flachsauger | Flat cups

10.039.454._			
		Materialcode	
		03 NR	
Halter Fitting	Gewinde Thread		
		130.116	1/4" IG
5mm	6.1g		

10.040.051._			
		Materialcode	
		05 Polyurethan 02 Silikon	
Halter Fitting	Gewinde Thread		
		130.019	1/8" IG
		130.030	1/8" AG
		130.039	M6 AG
		130.274	1/4" AG
		130.275	1/4" IG
		130.628	M8 AG
2mm	7.5g		

10.040.064._			
		Materialcode	
		02 Silikon	
Halter Fitting	Gewinde Thread		
		130.103	M6 AG
		130.109	1/8" IG
		130.194	1/4" AG
		130.205	1/8" AG
		130.317	M5 AG
2mm	6.8g		

10.040.082._			
		Materialcode	
		02 Silikon	
Halter Fitting	Gewinde Thread		
		130.098	1/4" IG
		130.177	M10 AG
		130.451	1/4" AG
		130.452	1/4" IG
mm	0g		

10.040.101._										
	Materialcode 03 NR 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.019</td> <td>1/8" IG</td> </tr> <tr> <td>130.030</td> <td>1/8" AG</td> </tr> <tr> <td>130.113</td> <td>1/4" AG</td> </tr> <tr> <td>130.178</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.019	1/8" IG	130.030	1/8" AG	130.113	1/4" AG	130.178
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.019	1/8" IG									
130.030	1/8" AG									
130.113	1/4" AG									
130.178	1/4" IG									
2mm	4.8g									

10.040.124._						
	Materialcode 04 CR					
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.250</td> <td>1/8" AG</td> </tr> <tr> <td>130.291</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.250	1/8" AG	130.291
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.250	1/8" AG					
130.291	1/8" AG					
2mm	4g					

10.040.125._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
5.5mm	3.5g			

10.040.144._												
	Materialcode 09 HNBR 05 Polyurethan 02 Silikon											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.019</td> <td>1/8" IG</td> </tr> <tr> <td>130.030</td> <td>1/8" AG</td> </tr> <tr> <td>130.274</td> <td>1/4" AG</td> </tr> <tr> <td>130.275</td> <td>1/4" IG</td> </tr> <tr> <td>130.312</td> <td>M6 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.019	1/8" IG	130.030	1/8" AG	130.274	1/4" AG	130.275	1/4" IG	130.312
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.019	1/8" IG											
130.030	1/8" AG											
130.274	1/4" AG											
130.275	1/4" IG											
130.312	M6 AG											
3mm	7.6g											

Flachsauger | Flat cups

10.040.181._		
	Materialcode 03 NR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.049	1/4" AG
4.5mm	7.3g	

10.040.357._		
	Materialcode 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.049	1/4" AG
4mm	12.4g	

10.040.440._		
	Materialcode 03 NR 05 Polyurethan 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.252 130.256	1/8" IG M8 AG
5mm	5.1g	

10.040.457._		
	Materialcode 03 NR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.049 130.609	1/4" AG 1/4" AG
2.5mm	9.4g	

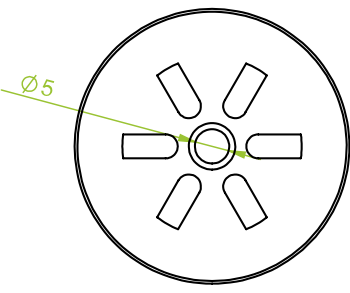
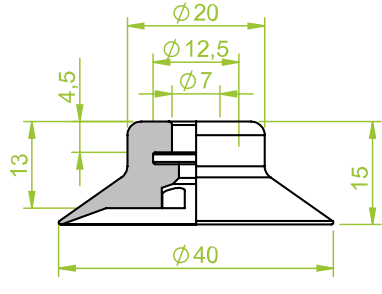

10.040.459._			
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.049 130.609	1/4" AG 1/4" AG		
5mm	12.2g		

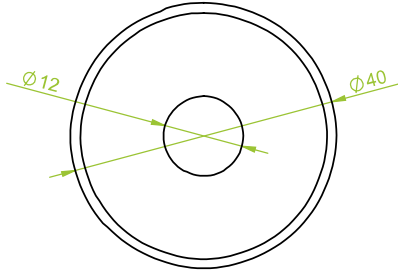
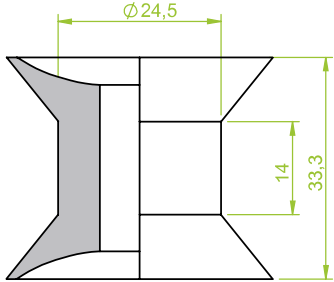

10.040.461._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.012 130.020 130.034 130.038	1/8" AG 1/8" IG 1/4" AG 1/4" IG		
2mm	5.4g		

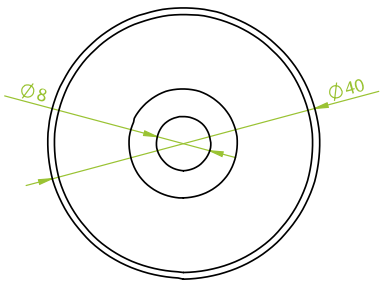
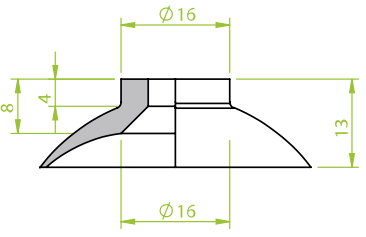

10.040.462._			
		Materialcode	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.039 130.274 130.275 270.485 270.486 270.487 270.488	M6 AG 1/4" AG 1/4" IG 1/8" IG 1/8" AG 1/4" AG 1/4" IG		
mm	0g		

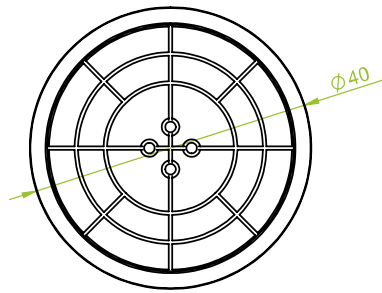
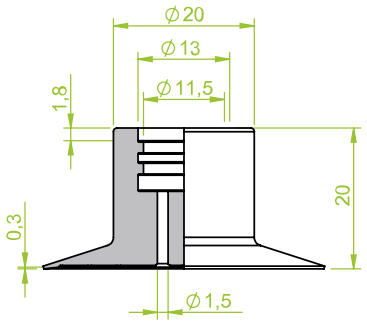

10.040.466._			
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.234	1/8" IG		
3mm	20g		

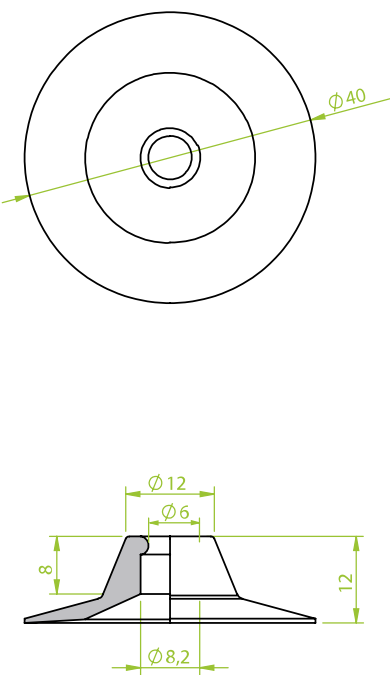




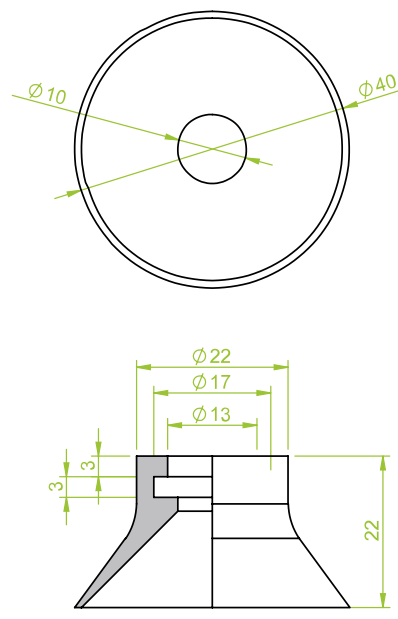








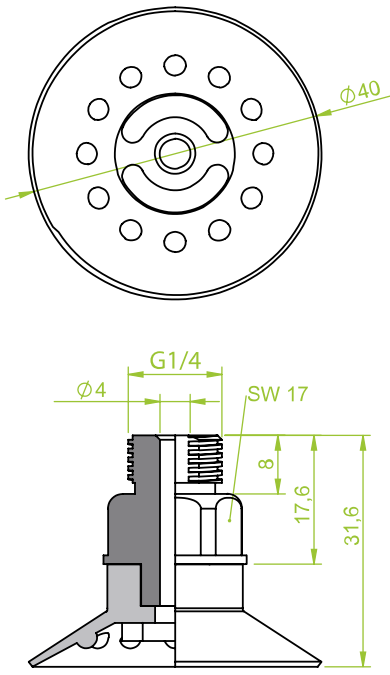




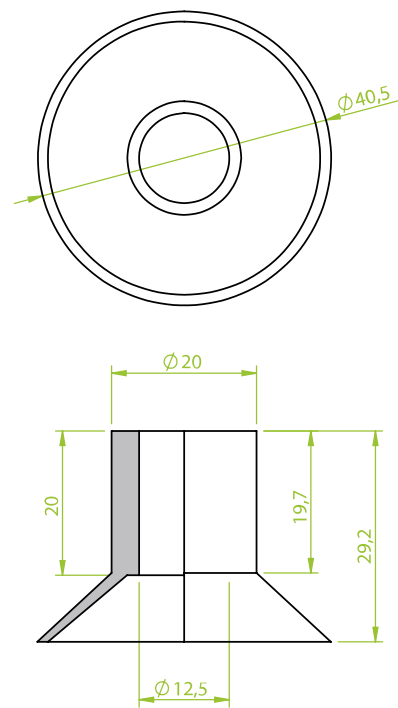








Flachsauger | Flat cups

10.040.591._			
		Materialcode	
		05 Polyurethan 02 Silikon	
		Halter Fitting	Gewinde Thread
		130.604 130.605 130.606	M5 AG 1/8" AG 1/4" AG
		2mm	5.9g

10.040.605._			
		Materialcode	
		03 NR	
		Halter Fitting	Gewinde Thread
		130.116	1/4" IG
		10mm	13.8g

10.040.625._			
		Materialcode	
		02 Silikon	
		Halter Fitting	Gewinde Thread
			
5.5mm		4.6g	

10.040.627._			
		Materialcode	
		03 NR	
		Halter Fitting	Gewinde Thread
		130.097 130.098	1/4" AG 1/4" IG
		5.5mm	4.6g

<p>10.040.674._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td>Halter</td> <td>Gewinde</td> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>2mm</td> <td>3.3g</td> </tr> </tbody> </table>	Materialcode		Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			2mm	3.3g	<p>10.040.692._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">06 EPDM</td> </tr> <tr> <td>Halter</td> <td>Gewinde</td> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>2mm</td> <td>6.8g</td> </tr> </tbody> </table>	Materialcode		06 EPDM		Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			2mm	6.8g		
Materialcode																											
Halter	Gewinde																										
<i>Fitting</i>	<i>Thread</i>																										
																											
2mm	3.3g																										
Materialcode																											
06 EPDM																											
Halter	Gewinde																										
<i>Fitting</i>	<i>Thread</i>																										
																											
2mm	6.8g																										
<p>14.040.045._</p> 	<p style="text-align: center; border: 1px dashed black; padding: 2px;">vulkanisiert</p> <table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">05 Polyurethan 02 Silikon</td> </tr> <tr> <td>Halter</td> <td>Gewinde</td> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>3mm</td> <td>13.6g</td> </tr> </tbody> </table>	Materialcode		05 Polyurethan 02 Silikon		Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			3mm	13.6g	<p>10.041.673._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <td>Halter</td> <td>Gewinde</td> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>6.5mm</td> <td>6.1g</td> </tr> </tbody> </table>	Materialcode		02 Silikon		Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			6.5mm	6.1g
Materialcode																											
05 Polyurethan 02 Silikon																											
Halter	Gewinde																										
<i>Fitting</i>	<i>Thread</i>																										
																											
3mm	13.6g																										
Materialcode																											
02 Silikon																											
Halter	Gewinde																										
<i>Fitting</i>	<i>Thread</i>																										
																											
6.5mm	6.1g																										

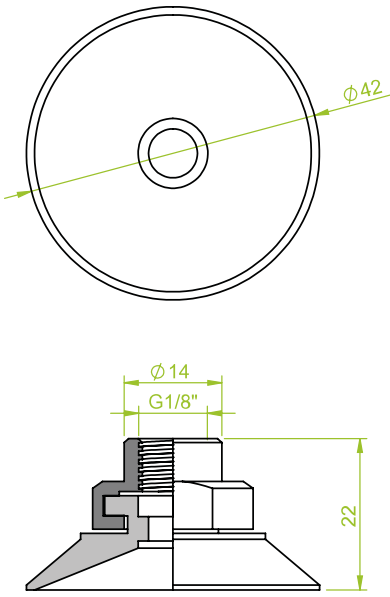






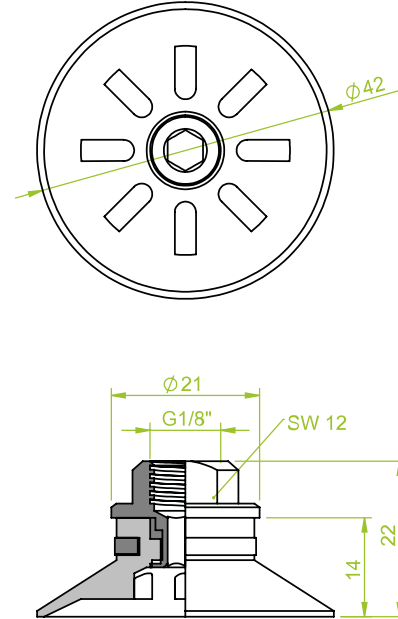






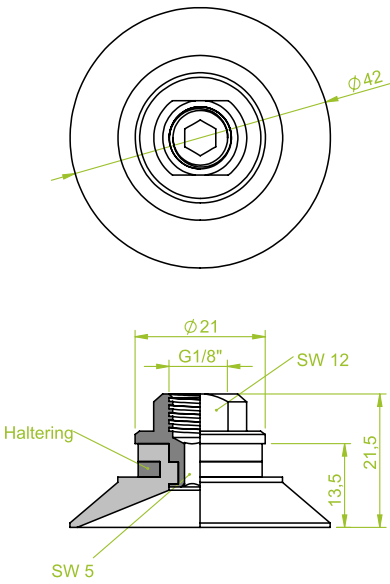






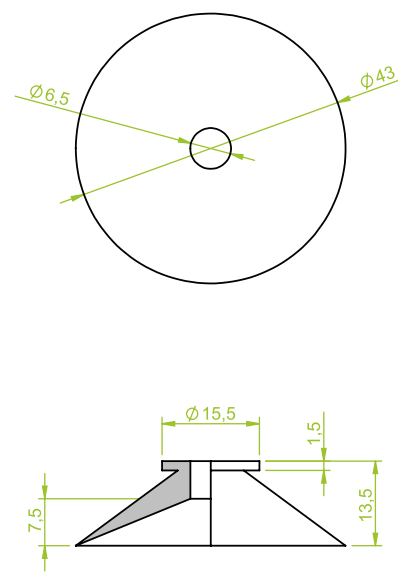






Flachsauger | Flat cups

10.042.099._			
		Materialcode	
		05 Polyurethan 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.136 130.251 130.274 130.275 130.293	1/8" IG 1/8" IG 1/4" AG 1/4" IG 1/4" AG
		2mm	4.7g

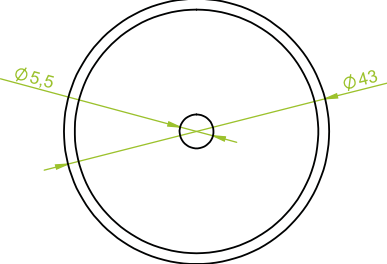
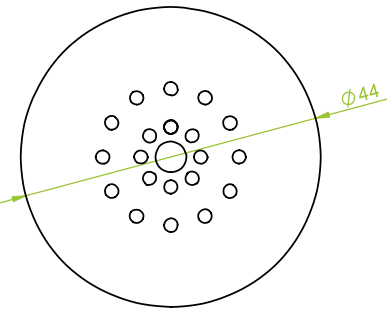
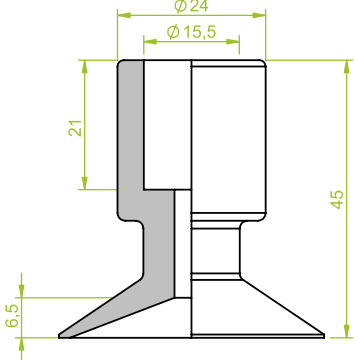
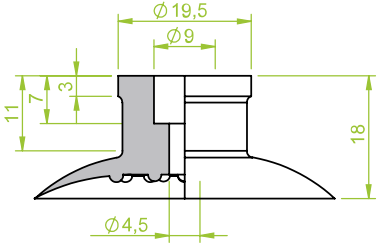


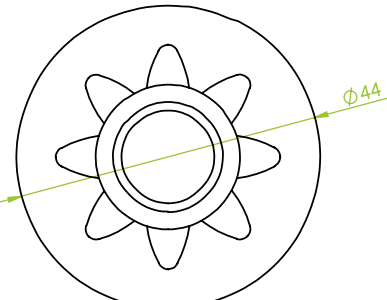
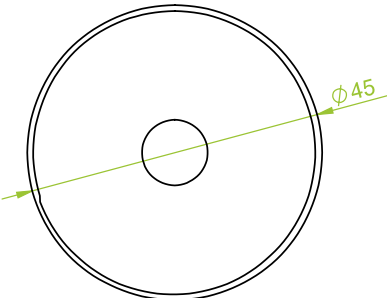
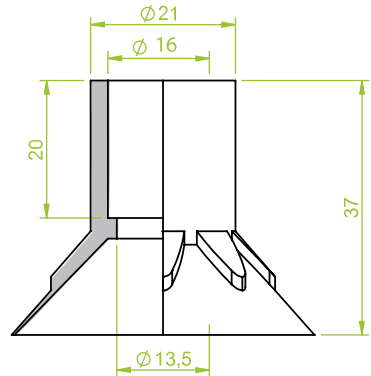
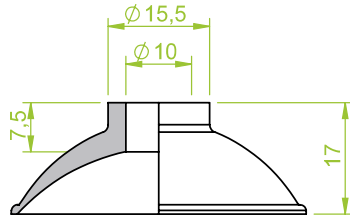


10.042.122._			
		Materialcode	
		04 CR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.136 130.251 130.274 130.275 130.293	1/8" IG 1/8" IG 1/4" AG 1/4" IG 1/4" AG
		5mm	5.4g

10.042.468._			
		Materialcode	
		05 Polyurethan V Vinyl	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		3mm	14.8g

11.042.007._			
		Materialcode	
		04 CR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		2mm	18.4g

<p>11.042.013._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td>04 CR</td> <td>02 Silikon</td> </tr> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>4mm</td> <td>11.2g</td> </tr> </tbody> </table>	Materialcode		04 CR	02 Silikon	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			4mm	11.2g				
Materialcode																	
04 CR	02 Silikon																
Halter	Gewinde																
<i>Fitting</i>	<i>Thread</i>																
																	
4mm	11.2g																
<p>11.042.018._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td>04 CR</td> <td>02 Silikon</td> </tr> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>2mm</td> <td>6.4g</td> </tr> </tbody> </table>	Materialcode		04 CR	02 Silikon	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			2mm	6.4g				
Materialcode																	
04 CR	02 Silikon																
Halter	Gewinde																
<i>Fitting</i>	<i>Thread</i>																
																	
2mm	6.4g																
<p>11.042.022._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td>02 Silikon</td> <td></td> </tr> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>5mm</td> <td>7.8g</td> </tr> </tbody> </table>	Materialcode		02 Silikon		Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			5mm	7.8g				
Materialcode																	
02 Silikon																	
Halter	Gewinde																
<i>Fitting</i>	<i>Thread</i>																
																	
5mm	7.8g																
<p>10.043.469._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td>V Vinyl</td> <td></td> </tr> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td>130.061</td> <td>1/8" IG</td> </tr> <tr> <td>130.063</td> <td>1/8" AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>5mm</td> <td>3.6g</td> </tr> </tbody> </table>	Materialcode		V Vinyl		Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>	130.061	1/8" IG	130.063	1/8" AG			5mm	3.6g
Materialcode																	
V Vinyl																	
Halter	Gewinde																
<i>Fitting</i>	<i>Thread</i>																
130.061	1/8" IG																
130.063	1/8" AG																
																	
5mm	3.6g																

Flachsauger | Flat cups

10.043.470._	Materialcode		10.044.615._		Materialcode	
	03 NR					
	Halter Fitting	Gewinde Thread		Halter Fitting	Gewinde Thread	
	130.116	1/4" IG		2.5mm	7g	
7mm	12g					
10.044.664._	Materialcode		10.045.083._	Materialcode		
	02 Silikon			03 NR 02 Silikon		
	Halter Fitting	Gewinde Thread		Halter Fitting	Gewinde Thread	
				130.175 130.451 130.452	1/4" AG 1/4" AG 1/4" IG	
7mm	6.7g			7mm	6.4g	

10.045.084._		
	Materialcode 03 NR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.175 130.248	1/4" AG 1/4" IG
4mm	6.8g	

10.045.474._		
	Materialcode 03 NR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.175	1/4" AG
4mm	6.6g	

10.045.476._		
	Materialcode 03 NR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.049	1/4" AG
5mm	13g	

10.045.688._		
	Materialcode 03 NR	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	8mm	11.8g

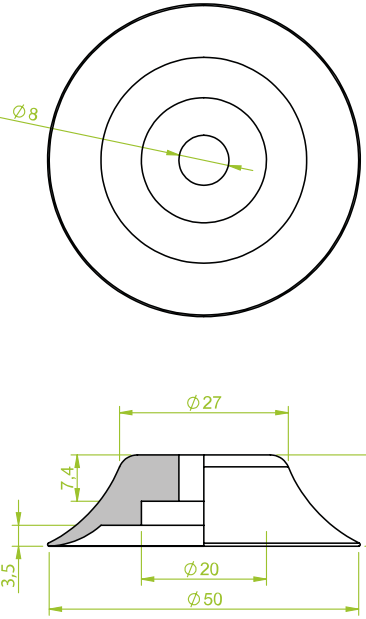


Flachsauger | Flat cups

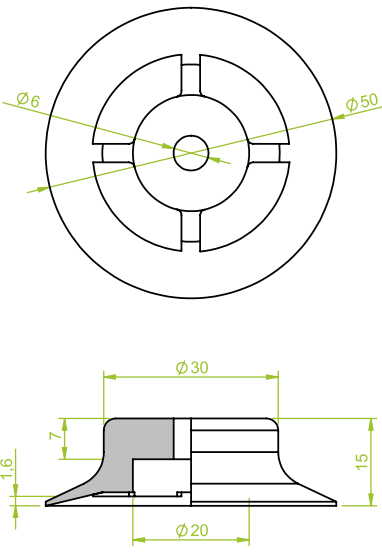


10.048.479._		Materialcode	
		03 NR	
		Halter Fitting	Gewinde Thread
		130.114	1/8" IG
		130.132	1/8" AG
		130.178	1/4" IG
		130.208	1/4" AG
		6mm	11.2g

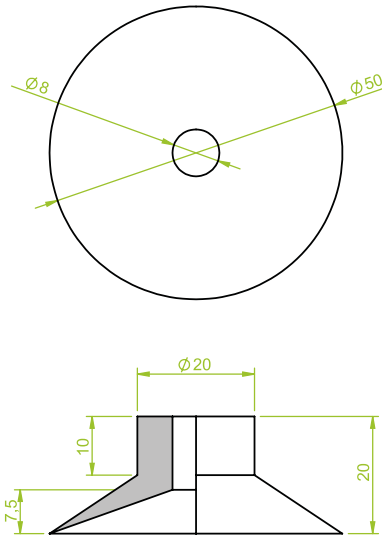


10.048.481._		Materialcode	
		03 NR	
		Halter Fitting	Gewinde Thread
		8mm	18.4g

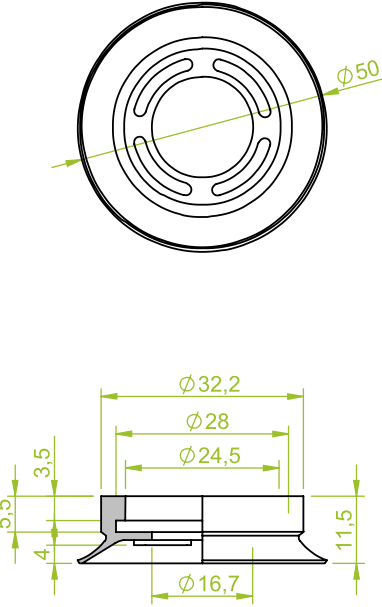


10.048.482._		Materialcode	
		03 NR	
		Halter Fitting	Gewinde Thread
		130.210	1/4" AG
		5mm	8.8g

10.049.003._		Materialcode	
		02 Silikon	
		Halter Fitting	Gewinde Thread
		130.234	1/8" IG
		2mm	6.2g

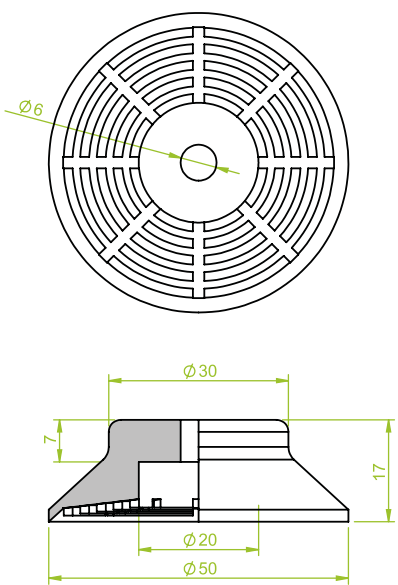


10.050.017._																		
	Materialcode 09 HNBR 05 Polyurethan 02 Silikon																	
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.012</td> <td>1/8" AG</td> </tr> <tr> <td>130.020</td> <td>1/8" IG</td> </tr> <tr> <td>130.034</td> <td>1/4" AG</td> </tr> <tr> <td>130.314</td> <td>M6 AG</td> </tr> <tr> <td>270.489</td> <td>1/8" IG</td> </tr> <tr> <td>270.490</td> <td>1/8" AG</td> </tr> <tr> <td>270.491</td> <td>1/4" AG</td> </tr> <tr> <td>270.492</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.012	1/8" AG	130.020	1/8" IG	130.034	1/4" AG	130.314	M6 AG	270.489	1/8" IG	270.490	1/8" AG	270.491	1/4" AG	270.492
Halter <i>Fitting</i>	Gewinde <i>Thread</i>																	
130.012	1/8" AG																	
130.020	1/8" IG																	
130.034	1/4" AG																	
130.314	M6 AG																	
270.489	1/8" IG																	
270.490	1/8" AG																	
270.491	1/4" AG																	
270.492	1/4" IG																	
																		
3.5mm	11.2g																	

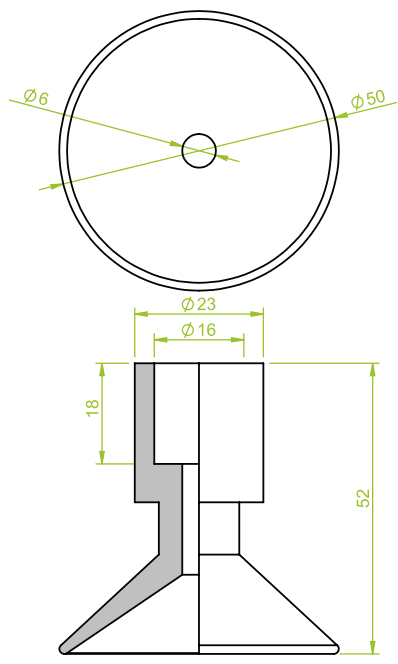


10.050.052._																		
	Materialcode 02 Silikon																	
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>																	
130.019	1/8" IG																	
130.030	1/8" AG																	
130.274	1/4" AG																	
130.275	1/4" IG																	
270.489	1/8" IG																	
270.490	1/8" AG																	
270.491	1/4" AG																	
270.492	1/4" IG																	
																		
2mm	11g																	

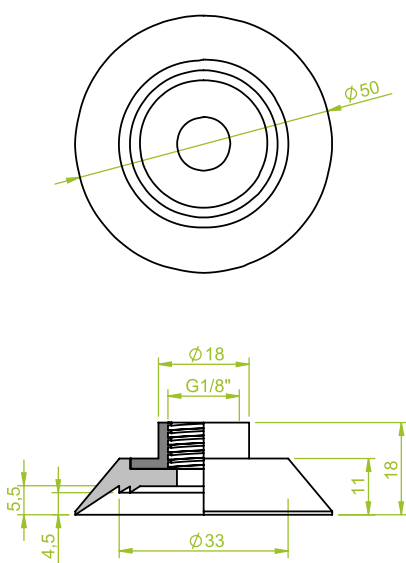


10.050.183._										
	Materialcode 03 NR 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.043</td> <td>1/4" AG</td> </tr> <tr> <td>130.114</td> <td>1/8" IG</td> </tr> <tr> <td>130.178</td> <td>1/4" IG</td> </tr> <tr> <td>130.248</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.043	1/4" AG	130.114	1/8" IG	130.178	1/4" IG	130.248
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.043	1/4" AG									
130.114	1/8" IG									
130.178	1/4" IG									
130.248	1/4" IG									
										
4mm	8g									

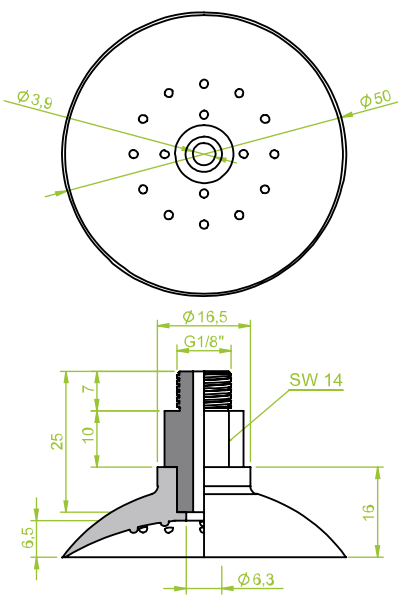


10.050.484._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.235</td> <td>1/8" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.235
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.235	1/8" IG			
				
2mm	5g			

Flachsauger | Flat cups

10.050.485._		Materialcode	
			
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.274	1/4" AG
		130.275	1/4" IG
		130.314	M6 AG
		270.489	1/8" IG
		270.490	1/8" AG
		270.491	1/4" AG
		270.492	1/4" IG
		270.499	M6 AG
			
		3.1mm	11.2g

10.050.488._		Materialcode	
		03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
		10mm	14.2g

13.050.016._		vulkanisiert		Materialcode	
		04 CR			
		02 Silikon			
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
					
		4mm	13.6g		

14.050.017._		vulkanisiert		Materialcode	
					
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
					
		5mm	15g		

10.052.123._																		
	Materialcode 02 Silikon 12 verstärktes Silikon																	
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.012</td> <td>1/8" AG</td> </tr> <tr> <td>130.097</td> <td>1/4" AG</td> </tr> <tr> <td>130.098</td> <td>1/4" IG</td> </tr> <tr> <td>130.137</td> <td>1/8" IG</td> </tr> <tr> <td>130.252</td> <td>1/8" IG</td> </tr> <tr> <td>130.294</td> <td>1/4" AG</td> </tr> <tr> <td>130.296</td> <td>3/8" AG</td> </tr> <tr> <td>130.628</td> <td>M8 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.012	1/8" AG	130.097	1/4" AG	130.098	1/4" IG	130.137	1/8" IG	130.252	1/8" IG	130.294	1/4" AG	130.296	3/8" AG	130.628
Halter <i>Fitting</i>	Gewinde <i>Thread</i>																	
130.012	1/8" AG																	
130.097	1/4" AG																	
130.098	1/4" IG																	
130.137	1/8" IG																	
130.252	1/8" IG																	
130.294	1/4" AG																	
130.296	3/8" AG																	
130.628	M8 AG																	
6.5mm	10.6g																	

10.052.491._								
	Materialcode 03 NR							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.177</td> <td>M10 AG</td> </tr> <tr> <td>130.451</td> <td>1/4" AG</td> </tr> <tr> <td>130.452</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.177	M10 AG	130.451	1/4" AG	130.452
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.177	M10 AG							
130.451	1/4" AG							
130.452	1/4" IG							
6mm	14.7g							

11.052.014._				
	Materialcode 04 CR 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
6.5mm	23.8g			

11.052.023._				
	Materialcode 02 Silikon 12 verstärktes Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
6.5mm	28.8g			

Flachsauger | Flat cups

10.053.100._			
		Materialcode	
		02 Silikon	
		Halter Fitting	Gewinde Thread
		130.012	1/8" AG
		130.097	1/4" AG
		130.098	1/4" IG
		130.137	1/8" IG
		130.234	1/8" IG
		130.252	1/8" IG
		130.294	1/4" AG
		130.296	3/8" AG
		2.5mm	12.4g

10.053.128._			
		Materialcode	
		04 CR 02 Silikon	
		Halter Fitting	Gewinde Thread
		130.137	1/8" IG
		130.294	1/4" AG
		130.296	3/8" AG
		6mm	15.4g

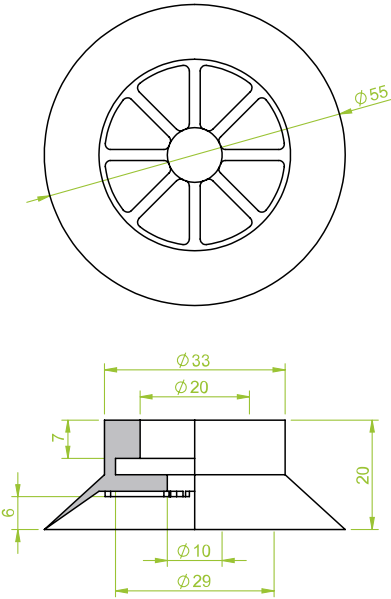
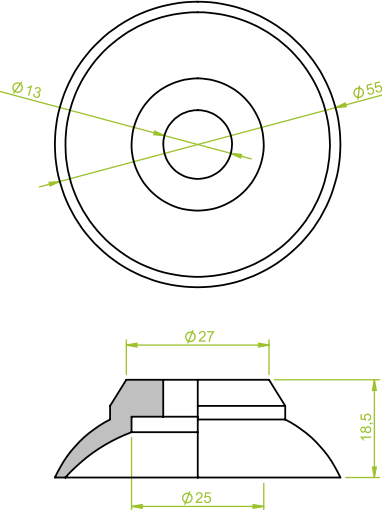


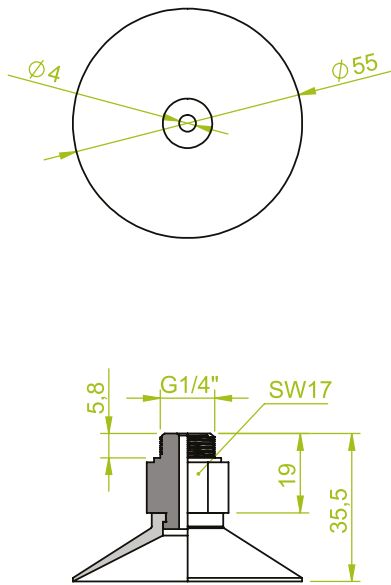


11.053.008._			
		Materialcode	
		04 CR 02 Silikon	
		Halter Fitting	Gewinde Thread
		2.5mm	24g

11.053.019._			
		Materialcode	
		04 CR 02 Silikon	
		Halter Fitting	Gewinde Thread
		2.5mm	20.7g

11.053.027._		11.053.030._	
		Materialcode	
		04 CR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		Materialcode	
		04 CR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>

13.053.012._		14.053.003._	
03 NR 12 verstärktes Silikon		03 NR 12 verstärktes Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>

Flachsauger | Flat cups

10.055.493._	Materialcode		10.055.494._		Materialcode		
	Halter Fitting				Halter Fitting		
	Gewinde Thread				Gewinde Thread		
							
	6mm	10g			130.184	1/4" AG	6mm
14.055.046._		vulkanisiert		10.056.501._		Materialcode	
	Materialcode				03 NR 02 Silikon		
	Halter Fitting				Halter Fitting		
	Gewinde Thread				Gewinde Thread		
							
3.5mm	0g	25mm	10.2g				

10.057.502._		10.060.053._	
		Materialcode	
		03 NR	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.176	1/4" AG
6mm	13.2g	2.5mm	21g

10.060.085._		10.060.359._	
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.176 130.184	1/4" AG 1/4" AG	130.049	1/4" AG
9mm	15.2g	10mm	22.6g

10.060.359._			
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.049	1/4" AG
		10mm	22.6g

Flachsauger | Flat cups

10.060.503._			
		Materialcode	
		03 NR 02 Silikon V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.177 130.193	M10 AG 1/4" AG		
5mm	19.1g		

10.060.628._			
		Materialcode	
		03 NR	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.528	1/4" IG		
0.25mm	30.7g		

13.060.006._			
vulkanisiert			
		Materialcode	
		05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.090 130.176 130.191	1/4" AG 1/4" AG 1/4" AG		
5mm	15.2g		

10.061.480._			
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.208	1/4" AG		
mm	0g		

10.061.508._		Materialcode	
		V Vinyl	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.116	1/4" IG
		2.5mm	22g

10.063.509._		Materialcode	
		04 CR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.116	1/4" IG
		6.5mm	24g

10.065.161._		Materialcode	
		03 NR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.049	1/4" AG
		5mm	17g

10.065.477._		Materialcode	
		03 NR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.049	1/4" AG
		3mm	17g

Flachsauger | Flat cups

10.065.496._		Materialcode	
		03 NR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.263 130.264		M12 IG 1/4" IG	
3mm		21g	

10.065.670._		Materialcode	
		03 NR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
5mm		9.5g	

10.065.687._		Materialcode	
		03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
8mm		17.3g	

12.065.001._		Materialcode	
		03 NR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
7mm		50g	

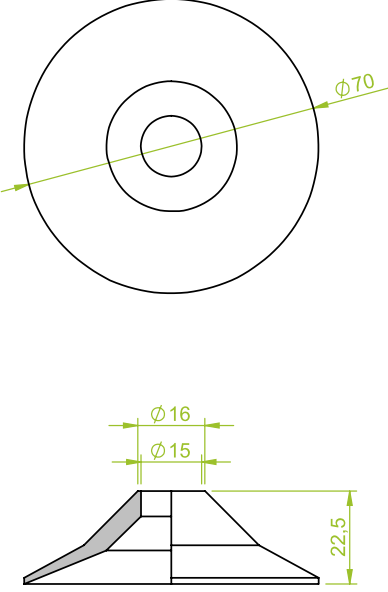
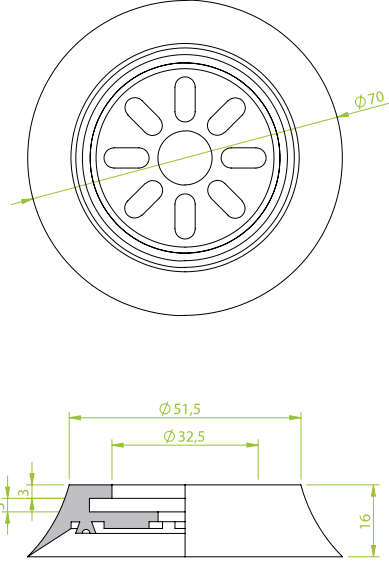




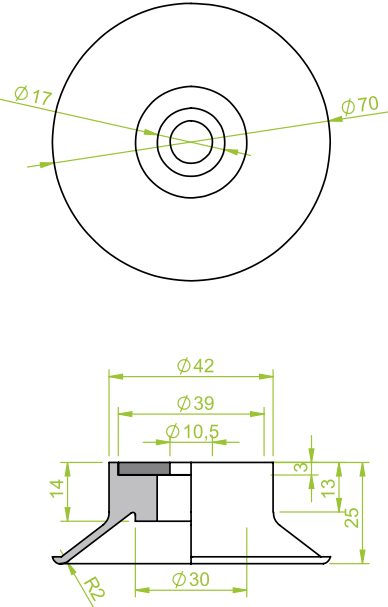
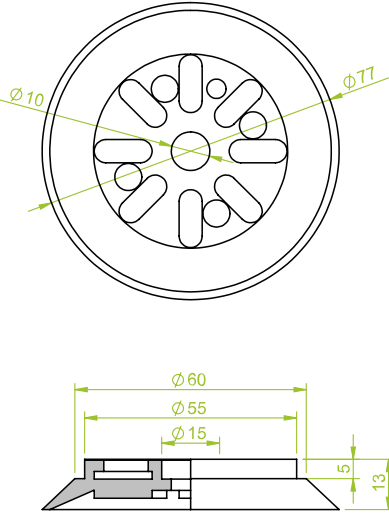




10.066.517._		
	Materialcode	
	03 NR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.012 130.020 130.256 130.451 130.452	1/8" AG 1/8" IG M8 AG 1/4" AG 1/4" IG
0.5mm	15g	

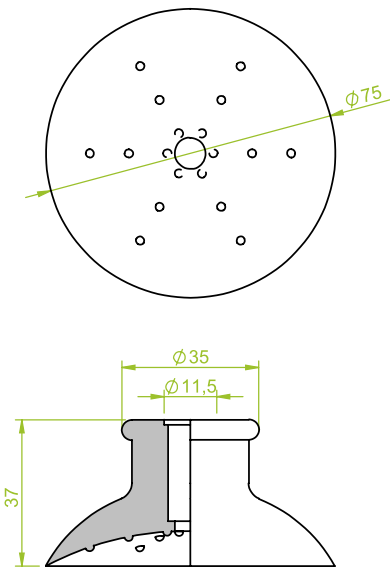






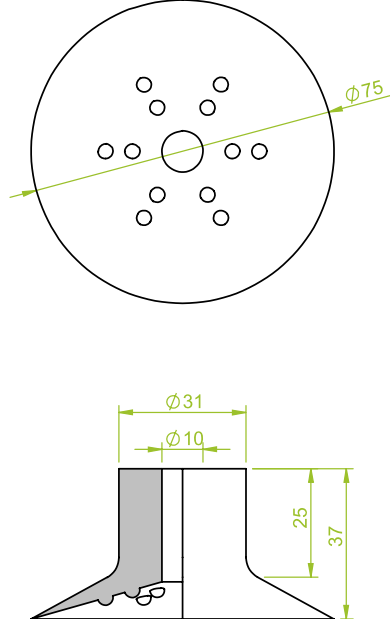












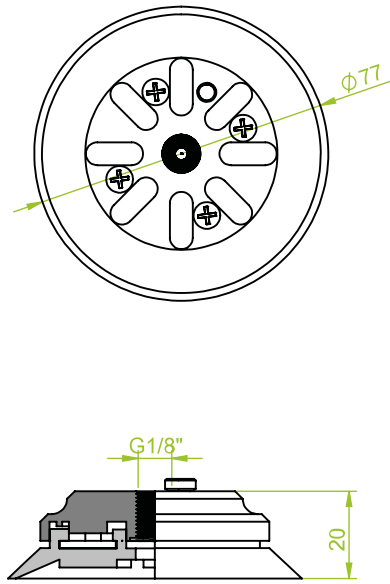






10.068.520._		
	Materialcode	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
10mm	40.8g	

10.070.023._		
	Materialcode	
	03 NR 10 S BR 12 verstärktes Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.179	1/4" IG
6mm	32g	

10.070.521._		
	Materialcode	
	03 NR	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
12mm	20g	

Flachsauger | Flat cups

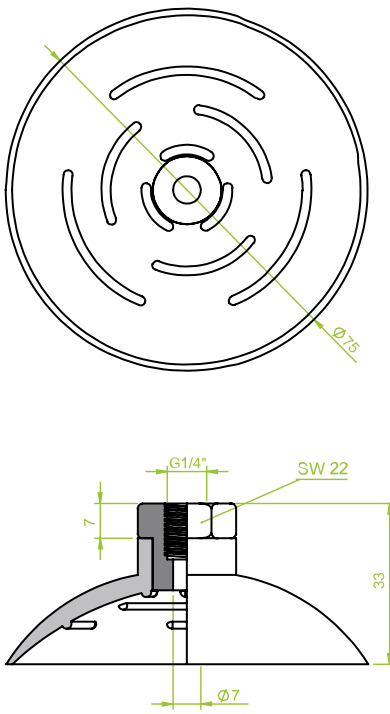
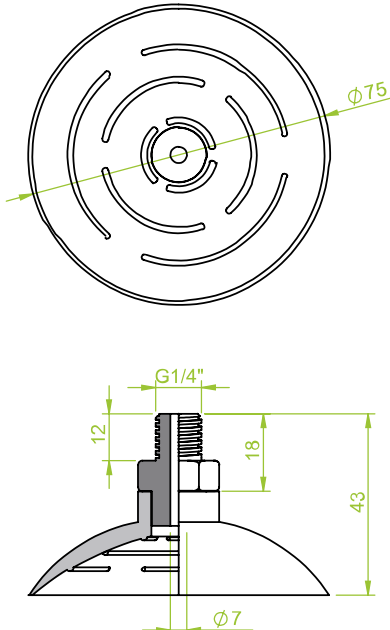




10.070.522._	Materialcode		10.070.680._		Materialcode	
	03 NR			03 NR		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
				130.528	1/4" IG	
	 6mm	 10g		 6mm	 10g	
15.070.024._	vulkanisiert		10.075.117._		Materialcode	
	03 NR			04 CR 05 Polyurethan 02 Silikon		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
				130.138	1/8" IG	
	 10mm	 50g		 2mm	 24g	

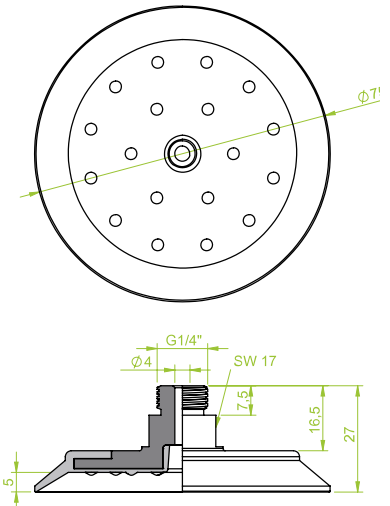
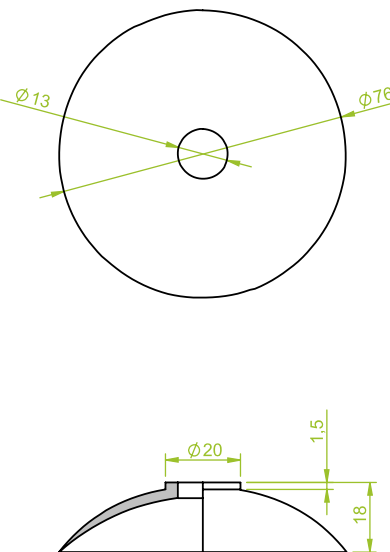




<p>10.075.524._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">03 NR 02 Silikon</td> </tr> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td>130.049</td> <td>1/4" AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>3.5mm</td> <td>36.5g</td> </tr> </tbody> </table>	Materialcode		03 NR 02 Silikon		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.049	1/4" AG			3.5mm	36.5g
Materialcode													
03 NR 02 Silikon													
Halter <i>Fitting</i>	Gewinde <i>Thread</i>												
130.049	1/4" AG												
													
3.5mm	36.5g												
<p>10.075.525._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">03 NR</td> </tr> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>3mm</td> <td>38g</td> </tr> </tbody> </table>	Materialcode		03 NR		Halter <i>Fitting</i>	Gewinde <i>Thread</i>					3mm	38g
Materialcode													
03 NR													
Halter <i>Fitting</i>	Gewinde <i>Thread</i>												
													
3mm	38g												
<p>10.075.711._</p>	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>0.5mm</td> <td>24g</td> </tr> </tbody> </table>	Materialcode		02 Silikon		Halter <i>Fitting</i>	Gewinde <i>Thread</i>					0.5mm	24g
Materialcode													
02 Silikon													
Halter <i>Fitting</i>	Gewinde <i>Thread</i>												
													
0.5mm	24g												
<p>11.075.009._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">04 CR 05 Polyurethan 02 Silikon</td> </tr> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>2mm</td> <td>92g</td> </tr> </tbody> </table>	Materialcode		04 CR 05 Polyurethan 02 Silikon		Halter <i>Fitting</i>	Gewinde <i>Thread</i>					2mm	92g
Materialcode													
04 CR 05 Polyurethan 02 Silikon													
Halter <i>Fitting</i>	Gewinde <i>Thread</i>												
													
2mm	92g												

Flachsauger | Flat cups

13.075.013._		vulkanisiert		13.075.017._		vulkanisiert	
				Materialcode		Materialcode	
				03 NR 12 verstärktes Silikon		04 CR 02 Silikon	
Halter Fitting		Gewinde Thread		Halter Fitting		Gewinde Thread	

13.075.066._				vulkanisiert			
						Materialcode	
						03 NR	
Halter Fitting		Gewinde Thread		Halter Fitting		Gewinde Thread	

13.075.069._	vulkanisiert		14.075.004._	vulkanisiert	
	Materialcode			Materialcode	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
 4mm		 44.5g	 4mm		 77.4g

14.075.047._	vulkanisiert		10.076.526._		
	Materialcode			Materialcode	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
				130.184	1/4" AG
 3.5mm		 43.2g	 9mm		 25g

Flachsauger | *Flat cups*

10.080.392._	
	Materialcode
	03 NR
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.049	1/4" AG
9mm	50g

10.080.531._	
	Materialcode
	03 NR
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.390	1/4" AG
7mm	30g

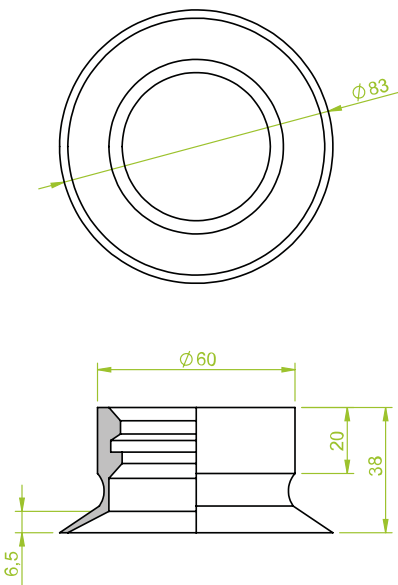
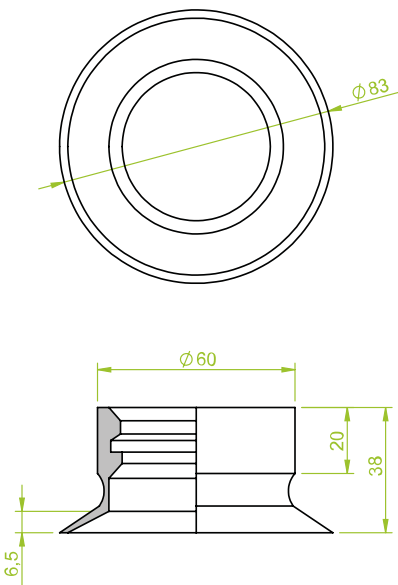

10.080.532._		Materialcode	
		03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.042	1/4" AG
		11mm	53g

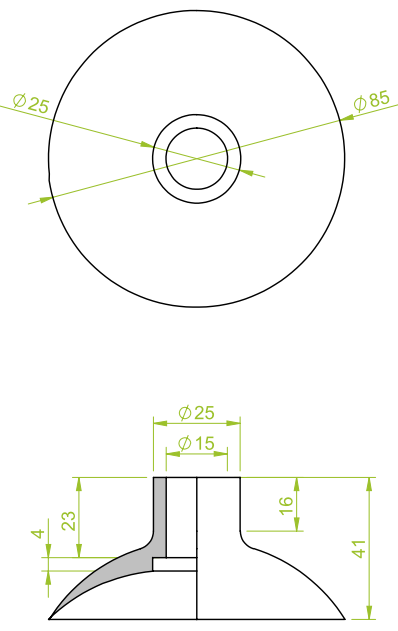

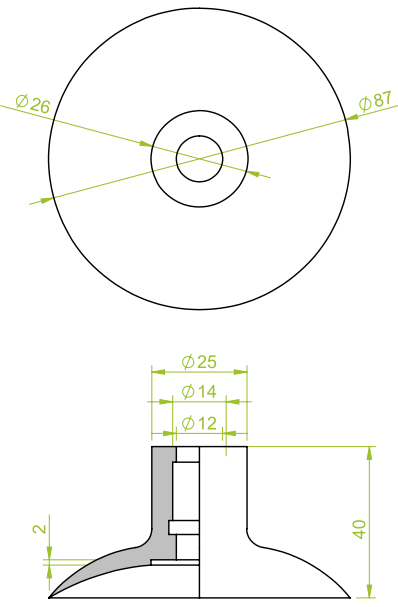

10.080.629._		Materialcode	
		03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.528	1/4" IG
		0.25mm	32.8g

10.080.669._		Materialcode	
		03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.114	1/8" IG
		8mm	22.8g

13.080.007._		Materialcode	
		<div style="border: 1px dashed black; padding: 2px; display: inline-block;">vulkanisiert</div>	
		07 FKM 05 Polyurethan 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.090	1/4" AG
		6mm	52.8g

Flachsauger | Flat cups

10.080.0361._		10.083.334._	
		Materialcode	
		VU VU	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		Materialcode	
		05 Polyurethan	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
mm	0g		

10.085.086._		10.087.538._	
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.216		1/4" AG	
		Materialcode	
		03 NR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.049 130.207	
			
		12mm	33g

10.087.539._		Materialcode	
		03 NR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.216	1/4" AG
		11mm	42g

10.090.511._		Materialcode	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.158 130.161 130.286 139.264	1/8" IG 3/8" IG 1/2" IG 1/4" IG
		0.5mm	34g

13.090.060._		Materialcode	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		13mm	93g

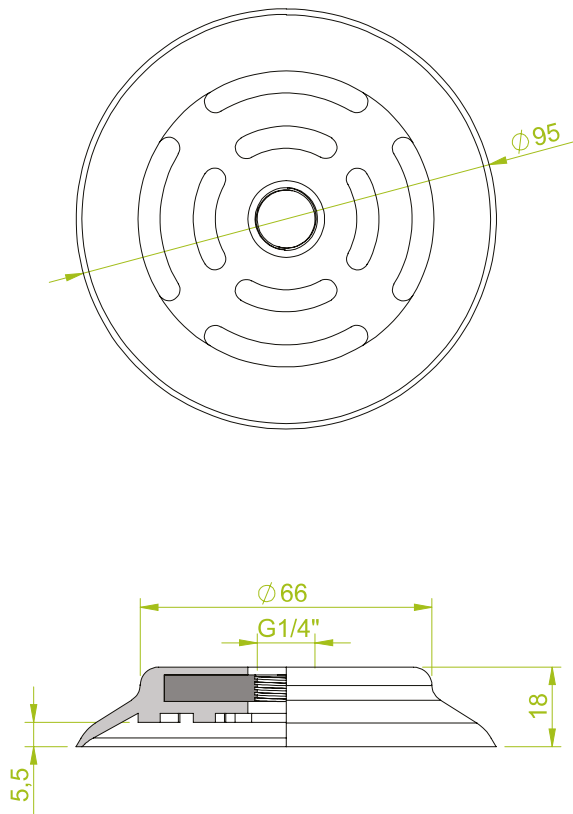
vulkanisiert

10.095.540._		Materialcode	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		0mm	14g

Flachsauger | Flat cups

13.095.008._

vulkanisiert



Materialcode

05 Polyurethan
02 Silikon

Halter
Fitting

Gewinde
Thread

130.090
130.191

1/4" AG
1/4" AG

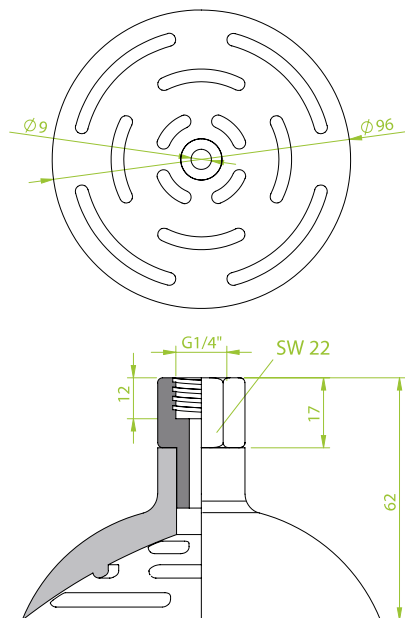


6mm

92g

13.096.014._

vulkanisiert



Materialcode

03 NR

Halter
Fitting

Gewinde
Thread

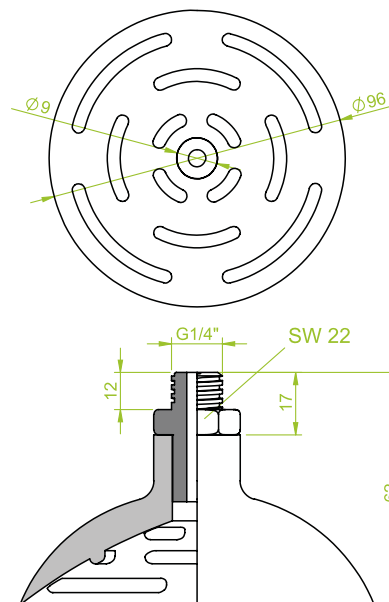


8mm

105g

14.096.005._

vulkanisiert



Materialcode

09 HNBR
03 NR

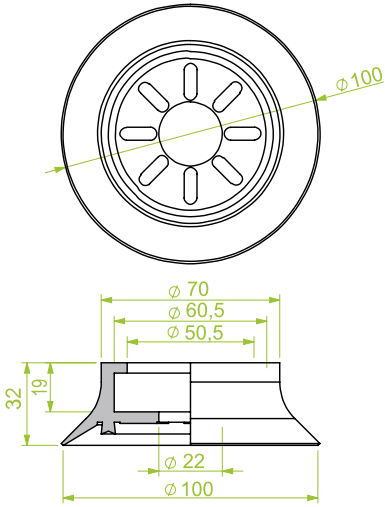


Halter
Fitting

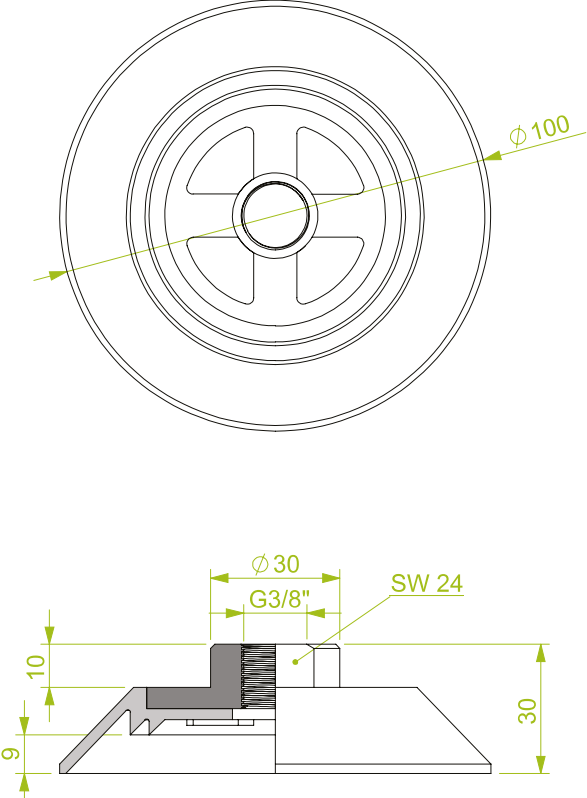


Gewinde
Thread



8mm

101.3g

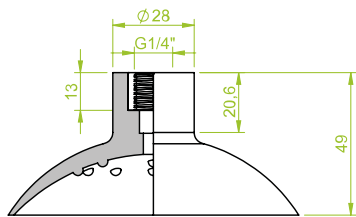
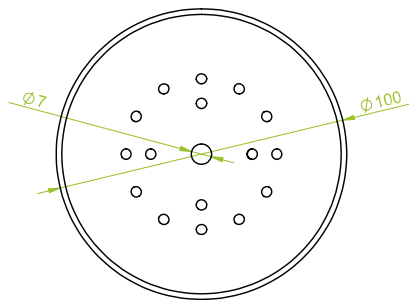
10.100.096._		10.100.393._	
		Materialcode	
		03 NR	
Halter Fitting	Gewinde Thread	Halter Fitting	Gewinde Thread
130.180	1/4" IG	130.049	1/4" AG
			
5mm	68g	13mm	75g

13.100.018._		vulkanisiert	
		Materialcode	
		03 NR 02 Silikon	
Halter Fitting	Gewinde Thread		
			
10mm	83g		

Flachsauger | Flat cups

13.100.029._

vulkanisiert



Materialcode

03 NR
02 SilikonHalter
FittingGewinde
Thread

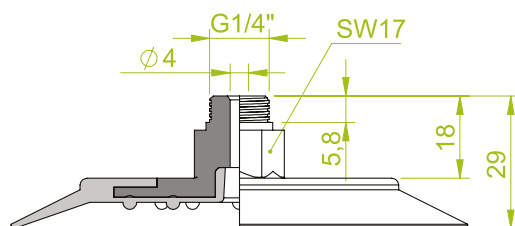
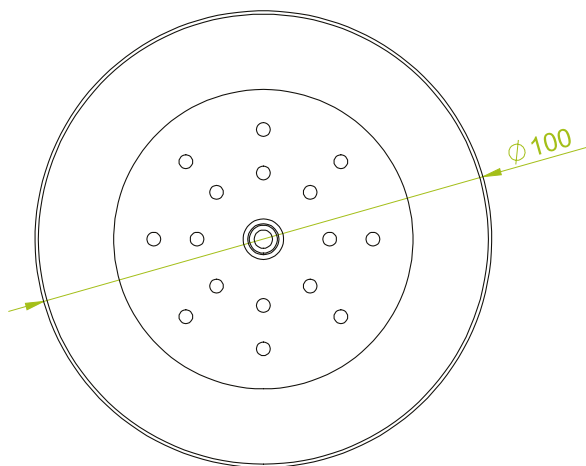
13mm



83g

14.100.048._

vulkanisiert



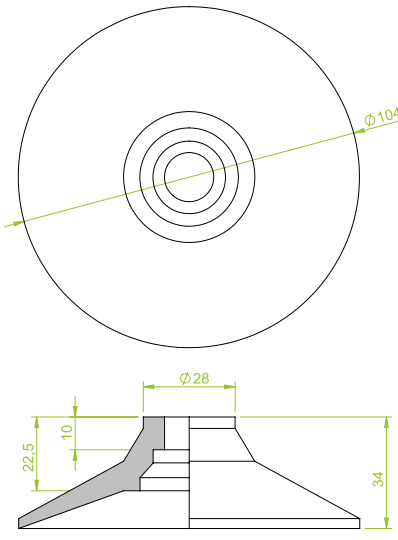
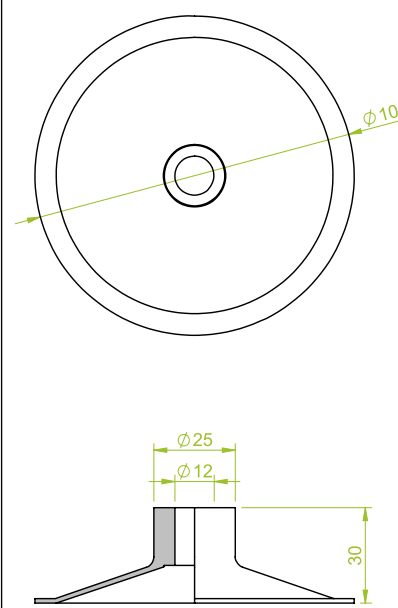




Materialcode

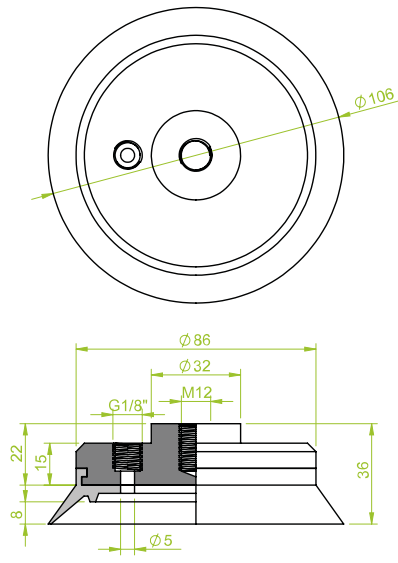




05 Polyurethan
02 SilikonHalter
FittingGewinde
Thread

3.5mm



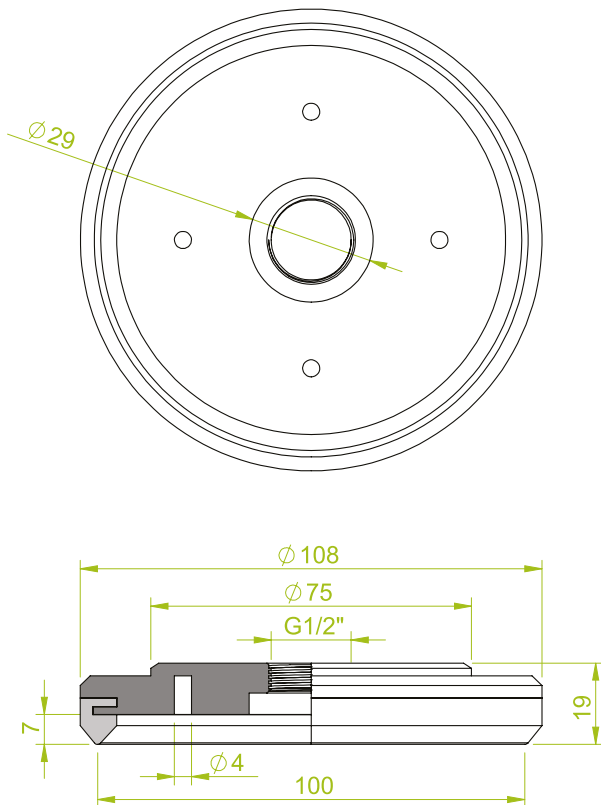
135g

10.104.667._		10.105.549._	
	Materialcode		
	02 Silikon		
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
10mm	61.4g	8.5mm	27g

13.106.023._		vulkanisiert	
	Materialcode		
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
8mm	253g		

Flachsauger | Flat cups

11.107.033._



Materialcode

06 EPDM

Halter
FittingGewinde
Thread

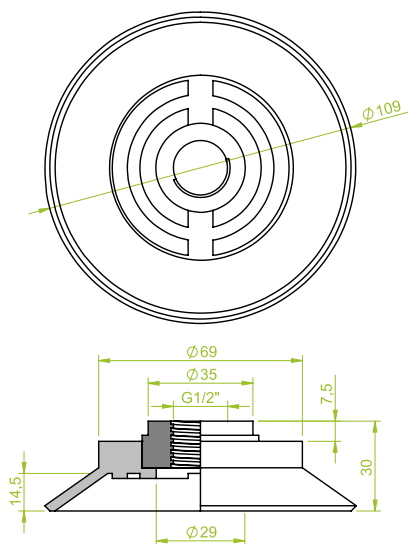
1mm



245g

13.109.022._

vulkanisiert



Materialcode

V Vinyl

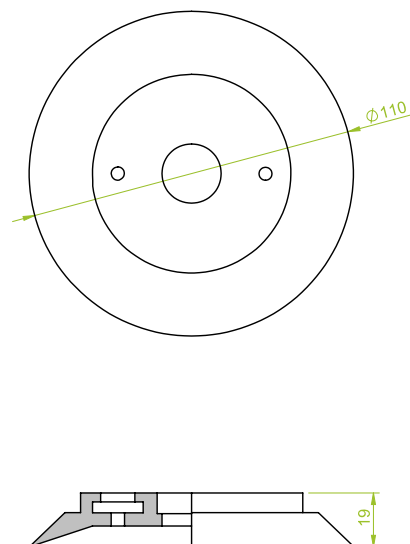
Halter
FittingGewinde
Thread

8mm



114g

10.110.118._



Materialcode

04 CR
02 SilikonHalter
FittingGewinde
Thread

5mm



74g

11.110.010._		13.110.040._	
		vulkanisiert	
		Materialcode	
04 CR 05 Polyurethan 02 Silikon		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
5mm		7mm	
227g		330g	

14.112.001._		14.112.002._	
		vulkanisiert	
		Materialcode	
03 NR 02 Silikon		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
11mm		11mm	
120g		120g	

Flachsauger | Flat cups

10.120.702._		
	Materialcode	
	03 NR	
	Halter Fitting	Gewinde Thread
3mm	55.4g	

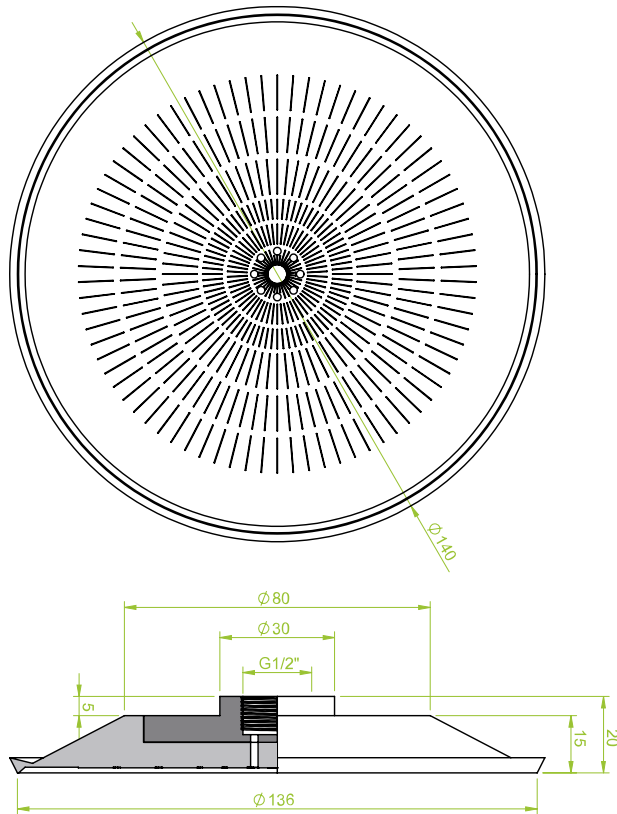
11.120.044._		
	Materialcode	
	02 Silikon	
	Halter Fitting	Gewinde Thread
5mm	591g	

13.120.009._		vulkanisiert
	Materialcode	
	05 Polyurethan 02 Silikon	
	Halter Fitting	Gewinde Thread
5mm	250g	

10.135.146._		
	Materialcode	
	03 NR	
	Halter Fitting	Gewinde Thread
2.5mm	113g	

13.140.064._

vulkanisiert



Materialcode

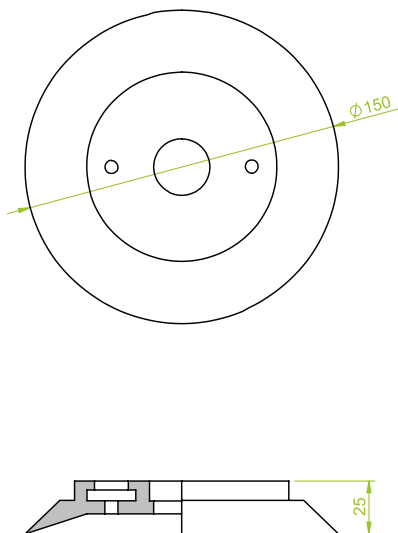
03 NR

Halter
*Fitting*Gewinde
Thread

1.5mm

175.4g

10.150.119._



Materialcode

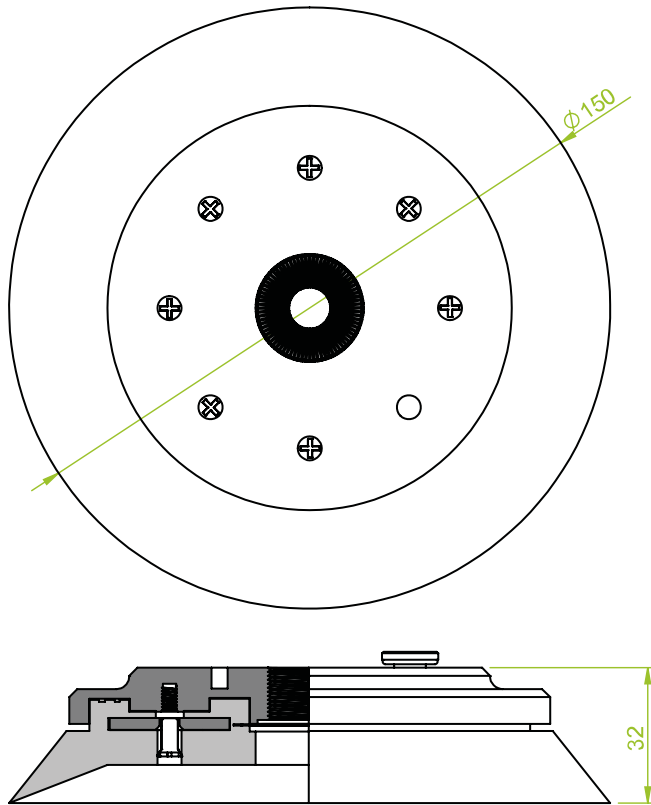
04 CR
05 PolyurethanHalter
*Fitting*Gewinde
Thread

5mm

199g

Flachsauger | Flat cups

11.150.011._



Materialcode

04 CR
02 Silikon

Halter
Fitting

Gewinde
Thread

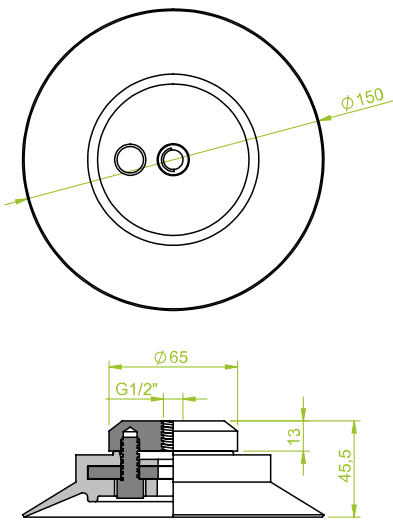


5mm



518g

11.150.038._



Materialcode

Halter
Fitting

Gewinde
Thread



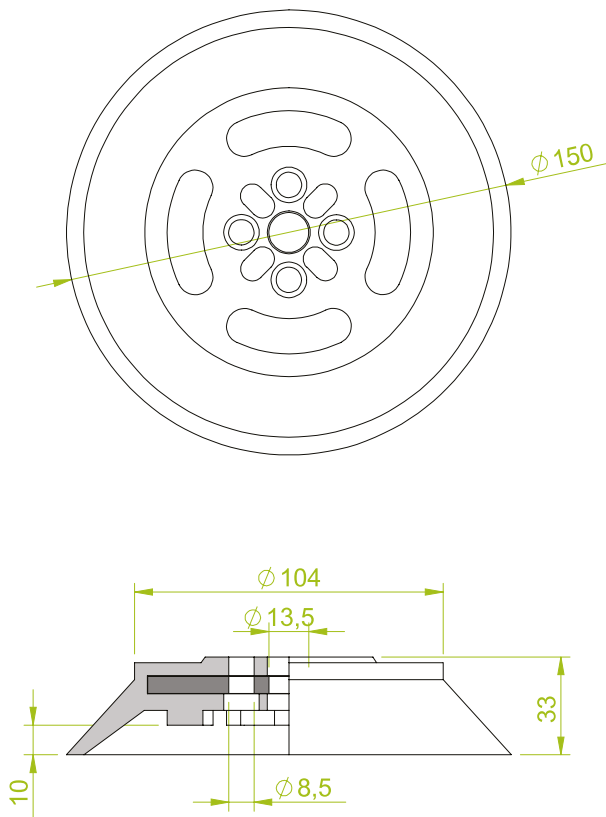
7mm



572g

13.150.010._

vulkanisiert



Materialcode

05 Polyurethan
02 Silikon

Halter
Fitting

Gewinde
Thread

130.056

1/2" IG

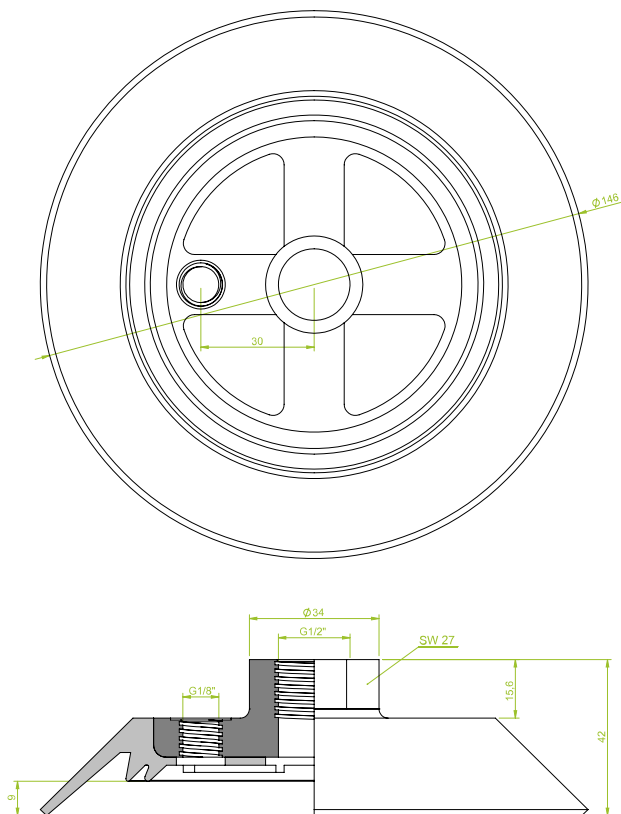


7mm

479g

13.150.019._

vulkanisiert



Materialcode

04 CR
02 Silikon

Halter
Fitting

Gewinde
Thread



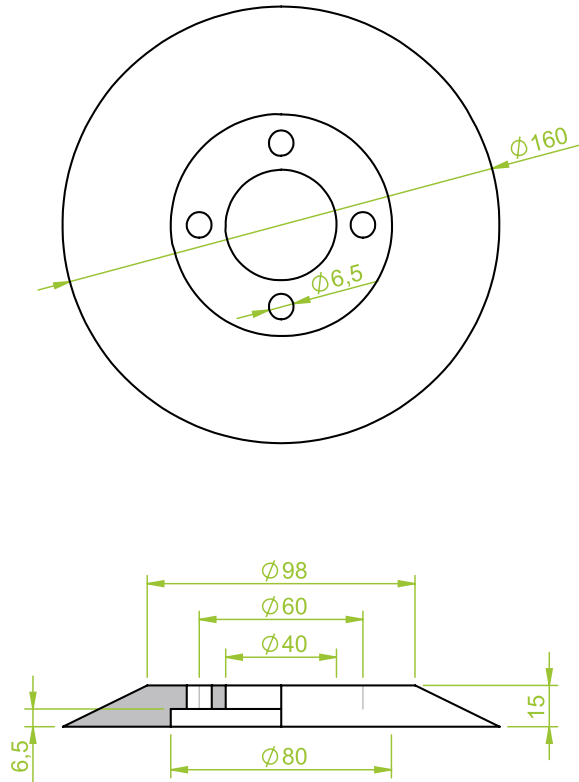
10mm

284g

Flachsauger | Flat cups

13.150.054._		vulkanisiert		10.152.561._			
		Materialcode					
		09 HNBR				Materialcode	
Halter Fitting		Gewinde Thread		Halter Fitting		Gewinde Thread	
5mm		310g		9mm		99g	
11.152.039._		10.160.013._					
		Materialcode					
		V Vinyl				Materialcode	
Halter Fitting		Gewinde Thread		Halter Fitting		Gewinde Thread	
9mm		138g		4.5mm		211g	

10.160.014._



Materialcode

02 Silikon

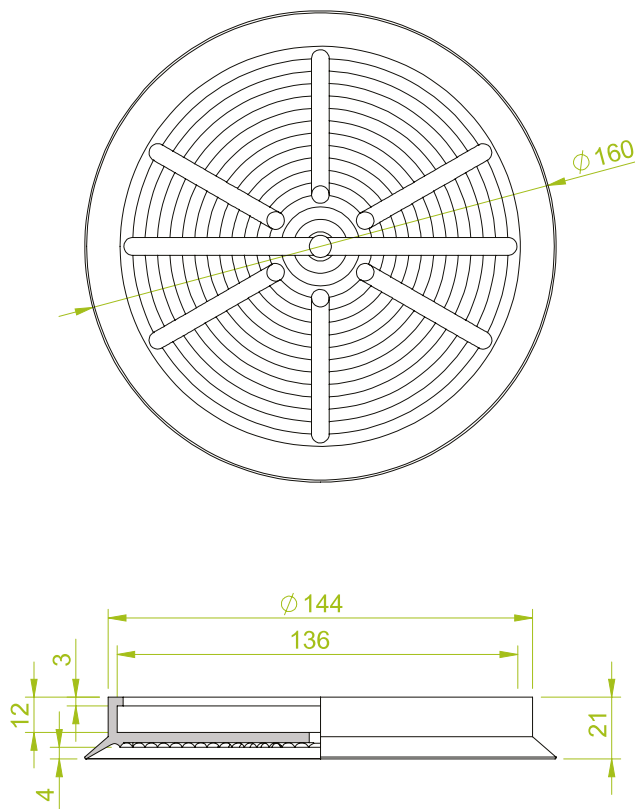
Halter
FittingGewinde
Thread

0mm



180g

10.160.563._



Materialcode

02 Silikon

Halter
FittingGewinde
Thread

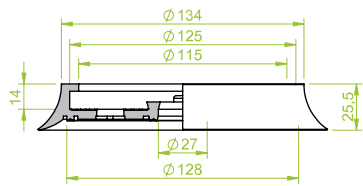
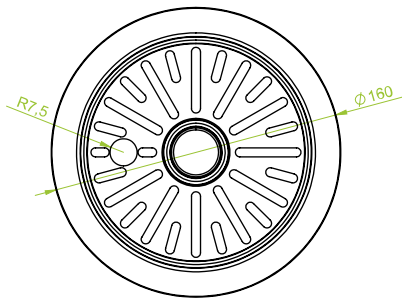
4.7mm



148g

Flachsauger | Flat cups

10.160.593._



Materialcode

03 NR

Halter
FittingGewinde
Thread

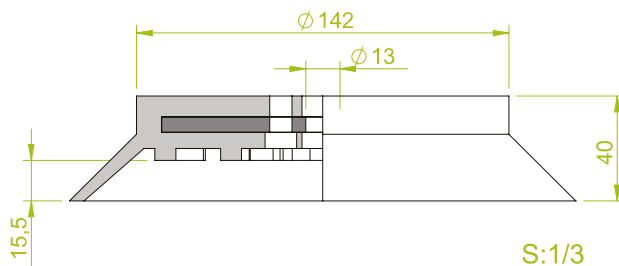
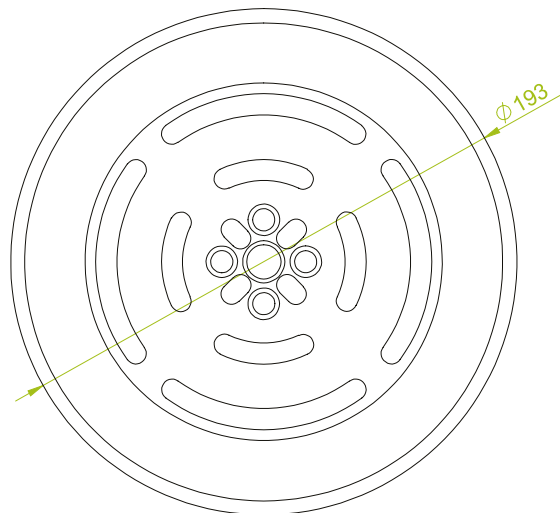
7mm



143g

13.191.011._

vulkanisiert



Materialcode

05 Polyurethan
02 SilikonHalter
FittingGewinde
Thread

130.056

1/2" IG



12mm



839g

10.200.026._		13.200.068._		vulkanisiert	
		Materialcode		Materialcode	
		03 NR 02 Silikon		03 NR	
		Halter <i>Fitting</i>		Halter <i>Fitting</i>	
		Gewinde <i>Thread</i>		Gewinde <i>Thread</i>	
130.335		1/2" IG			
5mm		200g		1mm	
				850g	

13.225.020._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	
		Gewinde <i>Thread</i>	
8mm		840g	

Flachsauger | Flat cups

10.240.607._					
	Materialcode				
	03 NR				
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td></td> <td></td> </tr> </table>	Halter Fitting	Gewinde Thread		
Halter Fitting	Gewinde Thread				
	<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td>8mm</td> <td>296.4g</td> </tr> </table>			8mm	296.4g
8mm	296.4g				

13.252.059._		vulkanisiert			
	Materialcode				
	03 NR				
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td></td> <td></td> </tr> </table>	Halter Fitting	Gewinde Thread		
Halter Fitting	Gewinde Thread				
	<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td>6mm</td> <td>2168.7g</td> </tr> </table>			6mm	2168.7g
6mm	2168.7g				

15.252.038._		vulkanisiert	
	Materialcode		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
	mm	0g	

13.282.058._		vulkanisiert	
	Materialcode		
			06 EPDM
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
15mm	1600g		

Flachsauger | *Flat cups*

13.288.062._

vulkanisiert

Materialcode

Halter

Fitting

Gewinde

Thread



9mm



2886g

15.288.032._

vulkanisiert

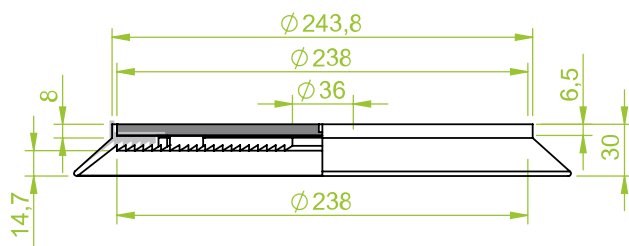
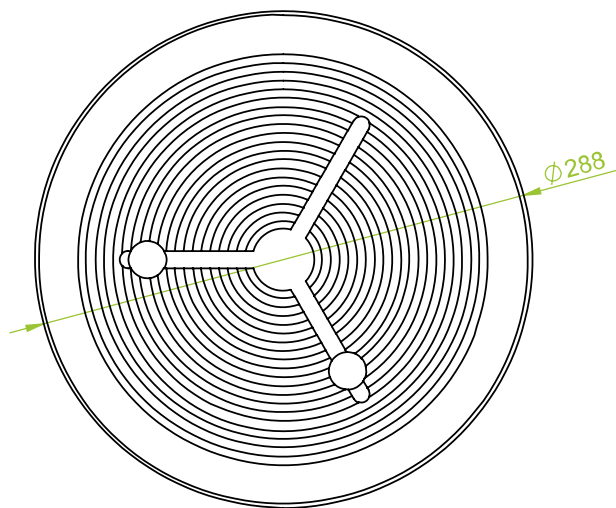
Materialcode

Halter
FittingGewinde
Thread

12mm

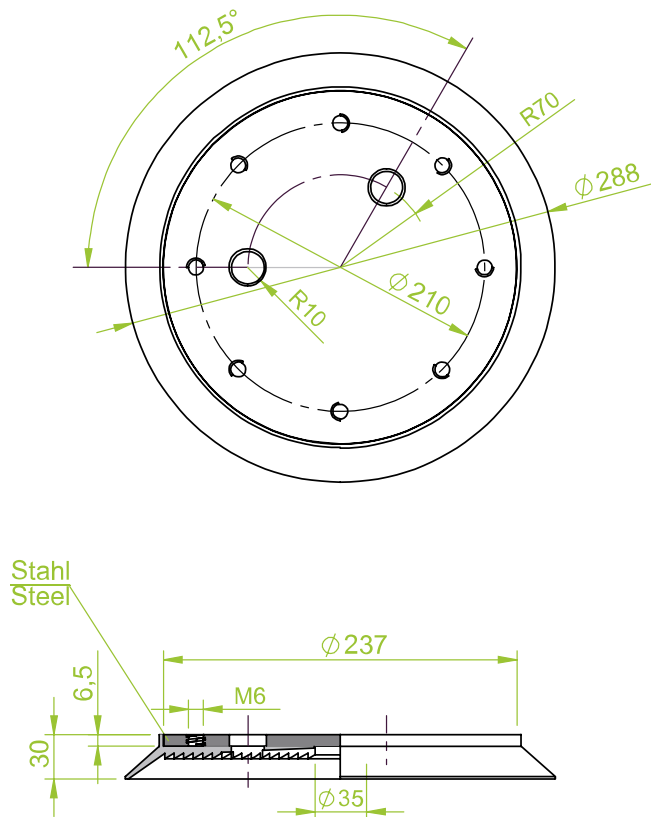


2914g



15.288.033._

vulkanisiert



Materialcode

12 verstärktes Silikon

Halter
FittingGewinde
Thread

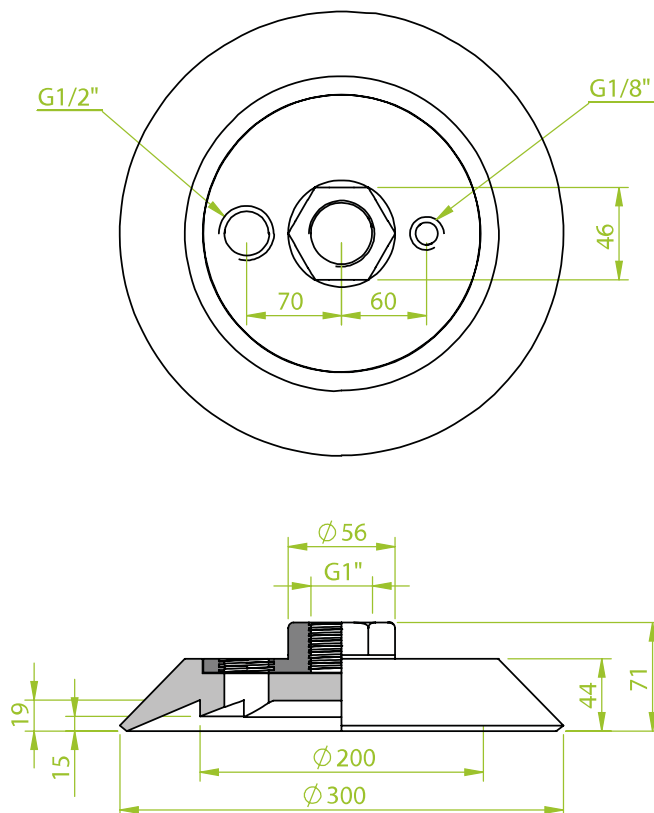
12mm



2580g

13.300.021._

vulkanisiert



Materialcode

04 CR
02 SilikonHalter
FittingGewinde
Thread

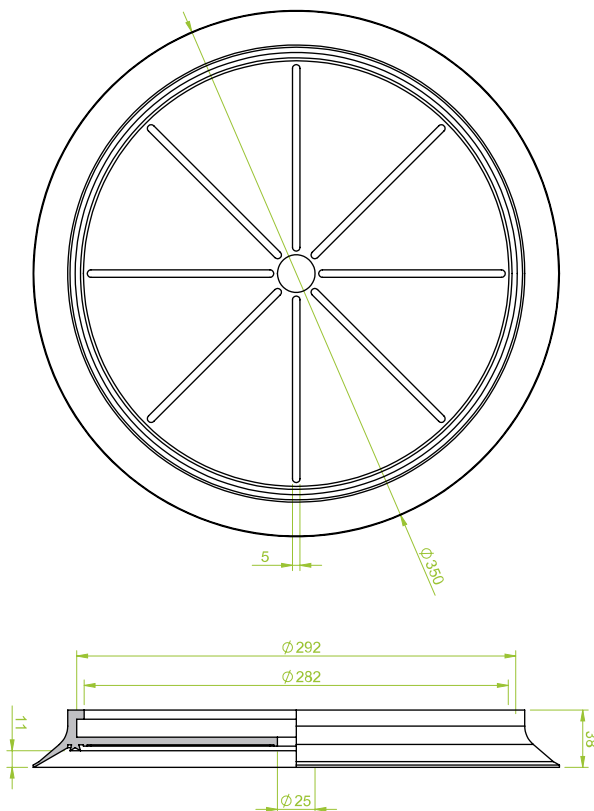
17mm



1840g

Flachsauger | Flat cups

10.350.097._



Materialcode

03 NR

Halter
FittingGewinde
Thread

130.337

1/2" IG

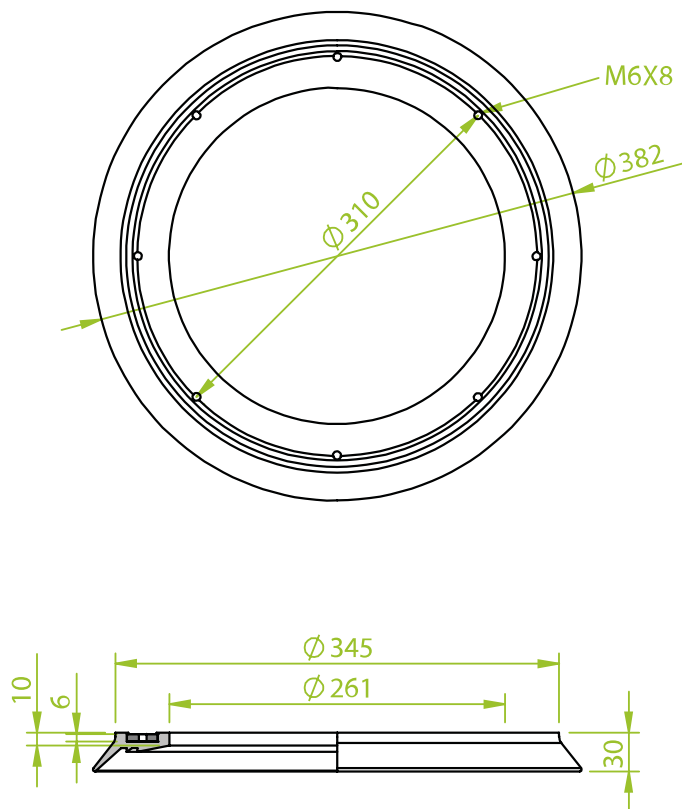


12mm

672g

13.382.065._

vulkanisiert



Materialcode

12 verstärktes Silikon

Halter
FittingGewinde
Thread

10mm

1664g

Aufbau & Ausführungen | *Structure & Versions*

Ohne Anschlussteil

Without fitting

210.



210.004.073._

Inkl. Anschluss, gesteckt, Innengewinde

Incl. plugged fitting, female thread

211.



211.033.003._

Inkl. Anschluss, gesteckt, Aussengewinde

Incl. plugged fitting, male thread

212.



212.003.201._

Inkl. Anschluss, vulkanisiert, Innengewinde

Incl. vulcanized fitting, female thread

213.



213.003.201._

Inkl. Anschluss, vulkanisiert, Aussengewinde

Incl. vulcanized fitting, male thread

214.



214.085.002._

Vulkanisiert, ohne Gewinde/Bohrung

Vulcanized, without thread/hole

215.



215.200.007._

Example: Balgensauger ohne Anschlussstück Ø 22 mm, verfügbar in dem Material Silikon | *Bellow suction cups without fitting Ø 22 mm, available in the material silicone.*

Die Faltenanzahl wird durch die zweite Ziffer angegeben | *The number of folds is indicated by the second digit:*

2,5 Falten/folds : 220.xxx.xxx.xx 221.xxx.xxx.xxx usw.

3,5 Falten/folds : 230.xxx.xxx.xx 231.xxx.xxx.xxx usw.

4,5 Falten/folds : 240.xxx.xxx.xx 241.xxx.xxx.xxx usw.

5,5 Falten/folds : 250.xxx.xxx.xx

Art .Nr.
NO.

Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
130.003	1/8" AG
130.013	M5 AG
130.015	1/8" IG
130.103	M6 AG
Hub Travel	Gewicht Weight
8mm	2g

Ergänzung zur Art.Nr. Bei
Bestellung
*Supplement to the NO. When
ordering*

Passendes
Befestigungselement
*Suitable mounting
element*

Hub / Travel

Gewicht / Weight

Eigenschaften der Saugermaterialien auf Seite 24 | *Properties of vacuum cup materials at page 24*

Balgensauger | *Bellow cups*

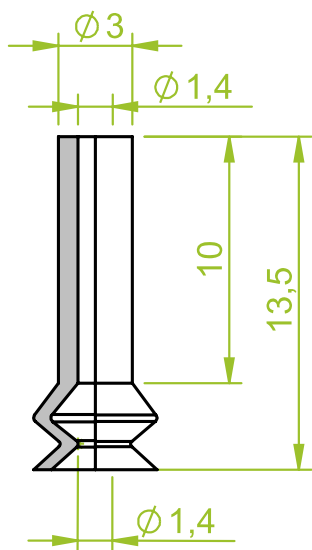
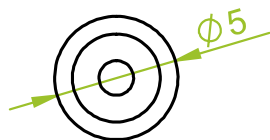
210.004.073._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.033	1/8" AG		
130.104	M6 AG		
130.134	M5 AG		
		4mm	1g

220.004.042._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.033	1/8" AG		
130.104	M6 AG		
130.134	M5 AG		
		3mm	0.3g

220.004.135._			
		Materialcode	
		V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.001	M5 AG		
130.195	M5 AG		
		2mm	0.8g

210.005.027._			
		Materialcode	
		V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.001	M5 AG		
130.195	M5 AG		
		2mm	0.8g

210.005.028._



Materialcode

07 FKM
05 Polyurethan
02 Silikon

Halter
*Fitting*Gewinde
Thread

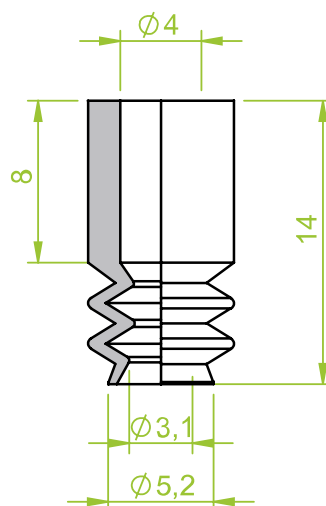
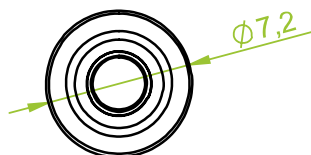
130.001 M5 AG
130.195 M5 AG



2mm

1g

220.005.017._



Materialcode

04 CR
06 EPDM
07 FKM
09 HNBR

Halter
*Fitting*Gewinde
Thread

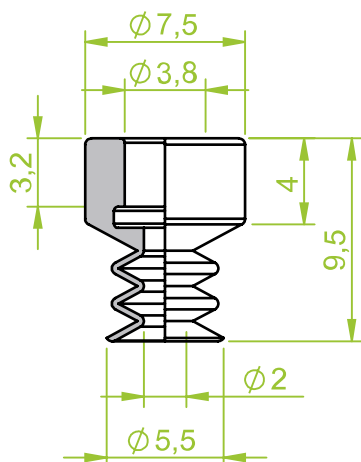
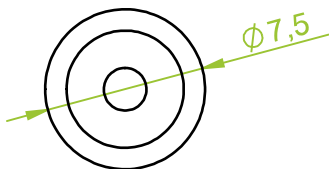
130.033 1/8" AG
130.104 M6 AG
130.134 M5 AG



3mm

0.3g

220.005.034._



Materialcode

04 CR
07 FKM
09 HNBR
03 NR

Halter
*Fitting*Gewinde
Thread

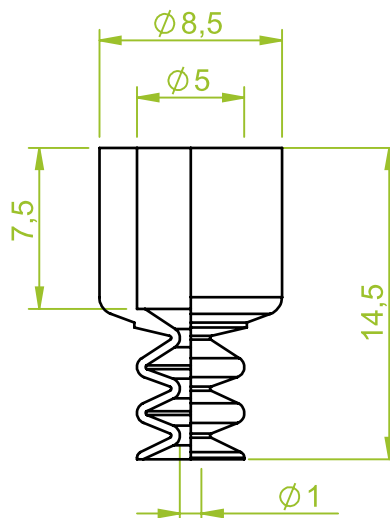
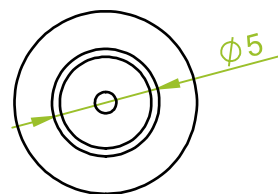
130.005 M5 IG
130.007 1/8" IG
130.009 1/8" AG
130.010 M5 AG



3mm

0.2g

220.005.043._



Materialcode

02 Silikon

Halter
*Fitting*Gewinde
Thread

130.003 1/8" AG
130.005 M5 IG
130.013 M5 AG
130.015 1/8" IG
130.103 M6 AG



3.5mm

0.4g

Balgensauger | *Bellow cups*

220.005.044._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.033	1/8" AG		
130.104	M6 AG		
130.134	M5 AG		
3mm	0.4g		

220.005.118._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.033	1/8" AG		
130.104	M6 AG		
130.134	M5 AG		
3mm	0.3g		

210.006.074._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.009	1/8" AG		
130.200	M5 AG		
130.301	M5 AG		
5mm	0.2g		

210.006.075._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.064	1/8" AG		
130.065	1/8" IG		
130.200	M5 AG		
5mm	0.7g		

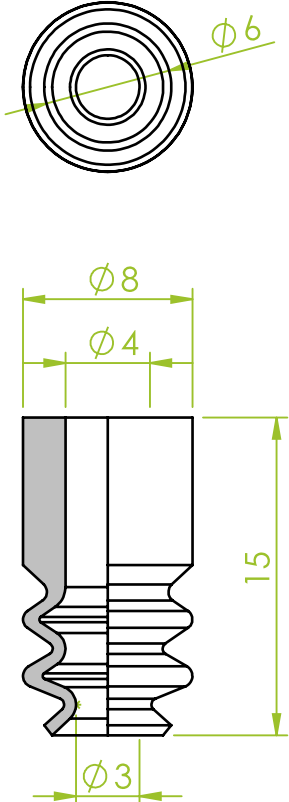


210.006.219._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.009	1/8" AG		
130.200	M5 AG		
130.301	M5 AG		
5mm	0.2g		

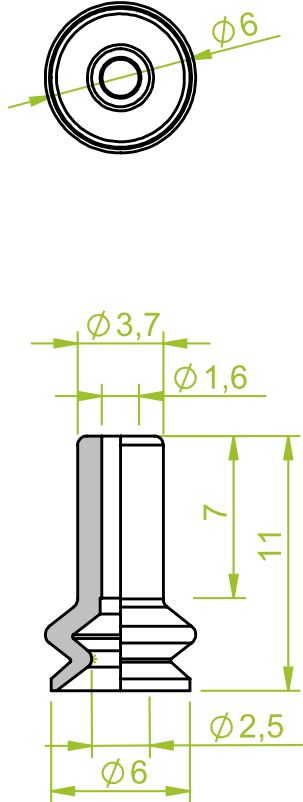


220.006.032._			
		Materialcode	
		07 FKM 09 HNBR 03 NR 05 Polyurethan	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.003	1/8" AG		
130.015	1/8" IG		
130.024	M5 AG		
130.103	M6 AG		
130.204	1/4" AG		
3.5mm	0.4g		

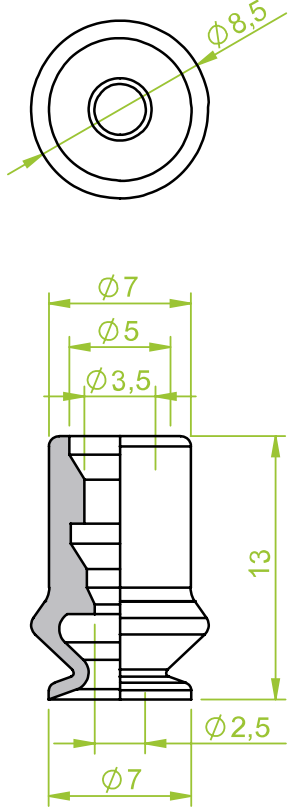


220.006.033._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.003	1/8" AG		
3.5mm	0.4g		

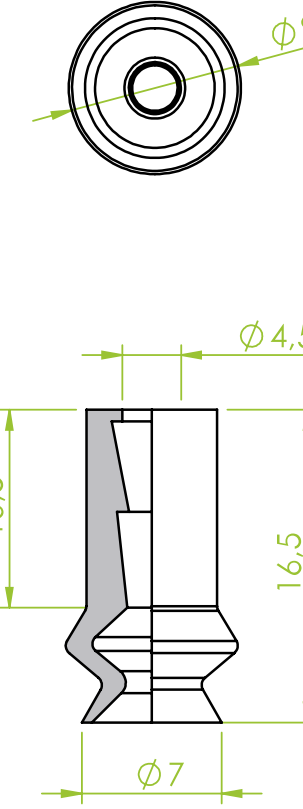


220.006.125._			
		Materialcode	
		09 HNBR 05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.003	1/8" AG		
130.015	1/8" IG		
130.024	M5 AG		
130.033	1/8" AG		
130.103	M6 AG		
130.104	M6 AG		
130.134	M5 AG		
130.204	1/4" AG		
3.5mm	0.4g		

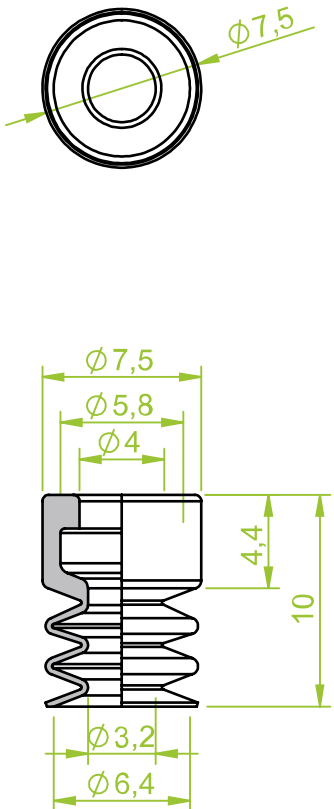


Balgensauger | *Bellow cups*

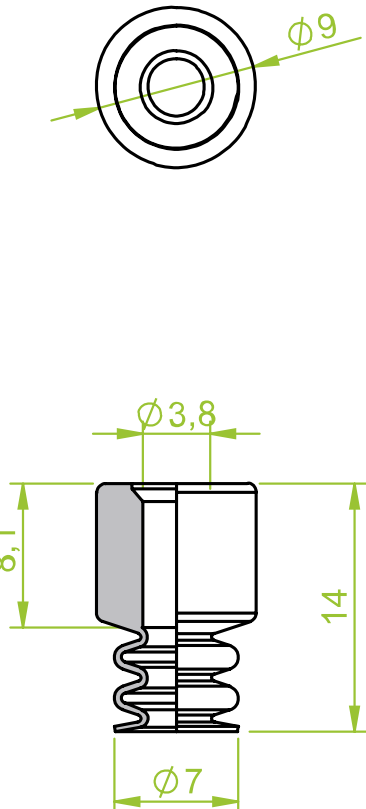


220.006.127._	
	
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
130.003 130.015 130.024 130.033 130.104 130.134	1/8" AG 1/8" IG M5 AG 1/8" AG M6 AG M5 AG
	
3.5mm	0.4g

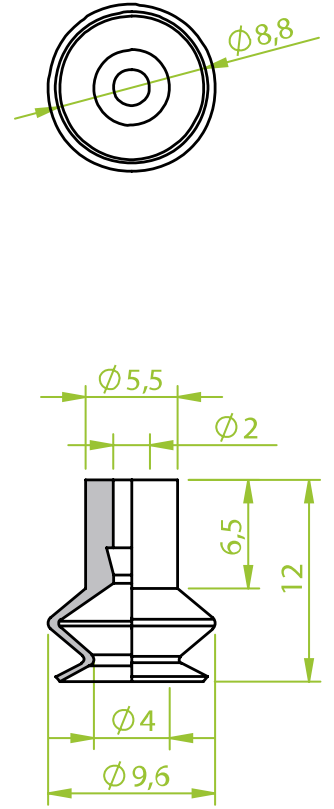


210.007.076._	
	
Materialcode	
V Vinyl	
Halter Fitting	Gewinde Thread
130.001	M5 AG
	
1.5mm	0.2g

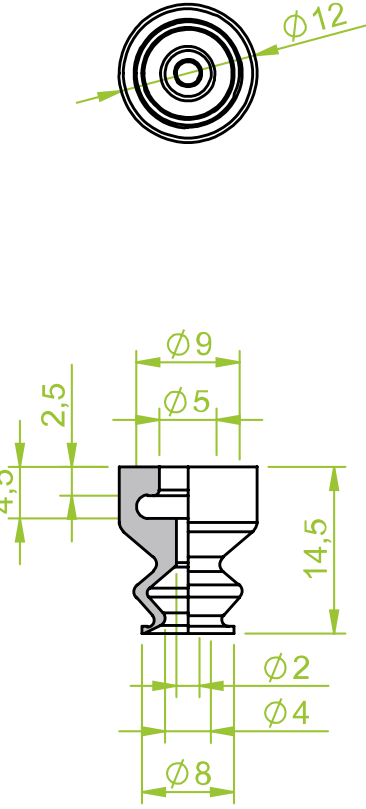


210.007.077._	
	
Materialcode	
09 HNBR 02 Silikon	
Halter Fitting	Gewinde Thread
130.087 130.103 130.104 130.317	1/8" AG M6 AG M6 AG M5 AG
	
2mm	0.6g

210.007.168._	
	
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
130.134	M5 AG
	
1mm	0.3g

220.007.007._												
	Materialcode 04 CR 06 EPDM 09 HNBR 03 NR											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.007</td> <td>1/8" IG</td> </tr> <tr> <td>130.009</td> <td>1/8" AG</td> </tr> <tr> <td>130.010</td> <td>M5 AG</td> </tr> <tr> <td>130.613</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.005	M5 IG	130.007	1/8" IG	130.009	1/8" AG	130.010	M5 AG	130.613
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.005	M5 IG											
130.007	1/8" IG											
130.009	1/8" AG											
130.010	M5 AG											
130.613	M5 AG											
												
3mm	0.2g											

220.007.123._						
	Materialcode 07 FKM 09 HNBR 05 Polyurethan 02 Silikon					
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.013	M5 AG	130.134
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.013	M5 AG					
130.134	M5 AG					
						
3mm	0.5g					

210.008.010._						
	Materialcode 07 FKM 09 HNBR 03 NR 05 Polyurethan					
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.153</td> <td>M5 AG</td> </tr> <tr> <td>130.591</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.153	M5 AG	130.591
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.153	M5 AG					
130.591	M5 AG					
						
3.5mm	0.2g					

210.008.078._								
	Materialcode 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.064</td> <td>1/8" AG</td> </tr> <tr> <td>130.065</td> <td>1/8" IG</td> </tr> <tr> <td>130.200</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.064	1/8" AG	130.065	1/8" IG	130.200
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.064	1/8" AG							
130.065	1/8" IG							
130.200	M5 AG							
								
5mm	0.9g							

Balgensauger | *Bellow cups*

210.008.079._		210.008.160._			
	Materialcode		Materialcode		
	02 Silikon		02 Silikon		
	Halter <i>Fitting</i>		Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.014 130.104 130.134		M3 AG M6 AG M5 AG	130.009 130.301 130.613	1/8" AG M5 AG M5 AG
3.5mm	0.4g	3mm	0.2g		
220.008.025._		210.009.166._			
	Materialcode		Materialcode		
	06 EPDM 07 FKM 02 Silikon		07 FKM 09 HNBR 02 Silikon		
	Halter <i>Fitting</i>		Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.003 130.015 130.033 130.104 130.134 130.613		1/8" AG 1/8" IG 1/8" AG M6 AG M5 AG M5 AG	130.134	M5 AG
4mm	1g	3mm	0.3g		

210.009.197._										
	Materialcode 05 Polyurethan									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> <tr> <td>130.317</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.033	1/8" AG	130.104	M6 AG	130.134	M5 AG	130.317
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.033	1/8" AG									
130.104	M6 AG									
130.134	M5 AG									
130.317	M5 AG									
1.5mm	0.6g									

210.009.202._				
	Materialcode			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.153</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.153
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.153	M5 AG			
mm	0g			

220.009.015._												
	Materialcode 04 CR 06 EPDM 07 FKM 09 HNBR											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.539</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.013	M5 AG	130.015	1/8" IG	130.103	M6 AG	130.539
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.003	1/8" AG											
130.013	M5 AG											
130.015	1/8" IG											
130.103	M6 AG											
130.539	1/8" AG											
2mm	0.6g											

220.009.045._										
	Materialcode 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.013	M5 AG	130.015	1/8" IG	130.103
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.003	1/8" AG									
130.013	M5 AG									
130.015	1/8" IG									
130.103	M6 AG									
3.5mm	0.6g									

Balgensauger | *Bellow cups*

220.009.105._		210.010.008._	
Materialcode		Materialcode	
09 HNBR 03 NR 05 Polyurethan 02 Silikon		04 CR 09 HNBR 03 NR 05 Polyurethan	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.003 130.015 130.103 130.134	1/8" AG 1/8" IG M6 AG M5 AG	130.005 130.007 130.009 130.010 130.301	M5 IG 1/8" IG 1/8" AG M5 AG M5 AG
2mm	0.6g	4mm	0.7g
210.010.036._		210.010.080._	
Materialcode		Materialcode	
02 Silikon		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.104 130.134	M6 AG M5 AG	130.003 130.064 130.065 130.200	1/8" AG 1/8" AG 1/8" IG M5 AG
4.5mm	0.8g	mm	0g

210.010.081._			
		Materialcode	
		04 CR 09 HNBR 03 NR 05 Polyurethan	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.094	M5 AG		
130.310	M5 AG		
2.5mm	1g		

210.010.184._			
		Materialcode	
		05 Polyurethan 02 Silikon	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.604	M5 AG		
130.605	1/8" AG		
130.606	1/4" AG		
3.5mm	1.8g		

210.010.805._			
		Materialcode	
		05 Polyurethan	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.134	M5 AG		
5.5mm	1.36g		

220.010.014._			
		Materialcode	
		07 FKM 05 Polyurethan 02 Silikon	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.003	1/8" AG		
130.005	M5 IG		
130.013	M5 AG		
130.103	M6 AG		
130.109	1/8" IG		
130.134	M5 AG		
4mm	0.6g		

Balgensauger | *Bellow cups*

220.010.019._																
	Materialcode 02 Silikon															
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.109</td> <td>1/8" IG</td> </tr> <tr> <td>130.238</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.005	M5 IG	130.013	M5 AG	130.015	1/8" IG	130.103	M6 AG	130.109	1/8" IG	130.238
Halter <i>Fitting</i>	Gewinde <i>Thread</i>															
130.003	1/8" AG															
130.005	M5 IG															
130.013	M5 AG															
130.015	1/8" IG															
130.103	M6 AG															
130.109	1/8" IG															
130.238	1/8" AG															
4mm	0.6g															

220.010.020._				
	Materialcode V Vinyl			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.001</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.001
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.001	M5 AG			
8mm	0.4g			

220.010.021._										
	Materialcode 09 HNBR 03 NR 05 Polyurethan 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.109</td> <td>1/8" IG</td> </tr> <tr> <td>130.238</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.013	M5 AG	130.103	M6 AG	130.109	1/8" IG	130.238
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.013	M5 AG									
130.103	M6 AG									
130.109	1/8" IG									
130.238	1/8" AG									
3mm	0.6g									

220.010.029._												
	Materialcode V Vinyl											
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.013	M5 AG											
130.015	1/8" IG											
130.103	M6 AG											
130.109	1/8" IG											
130.238	1/8" AG											
mm	0g											

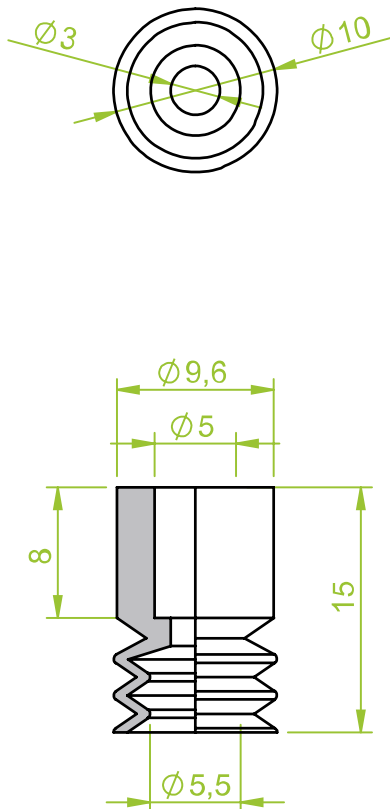


220.010.047._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.094	M5 AG		
130.095	1/8" AG		
130.096	1/8" IG		
130.103	M6 AG		
4mm	0.4g		

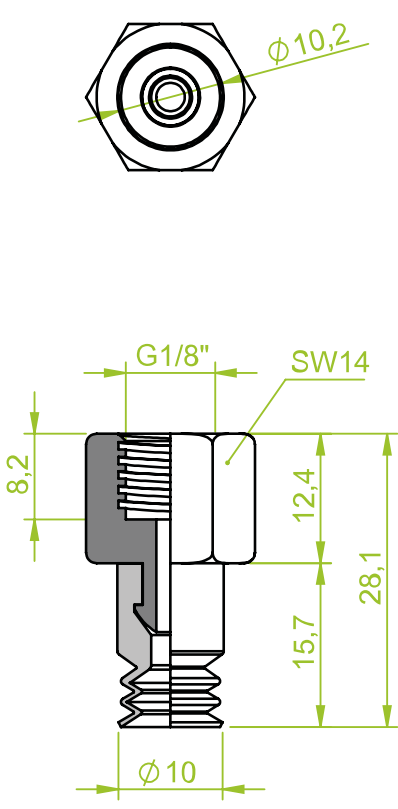


220.010.048._			
		Materialcode	
		V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
270.541	1/8" AG		
mm	0g		

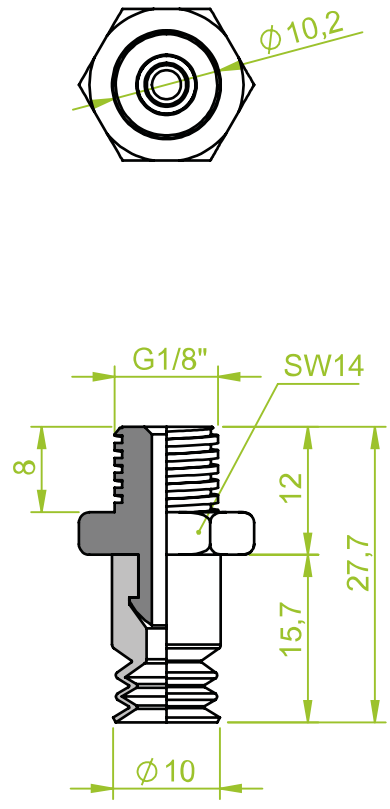


220.010.096._			
		Materialcode	
		12 verstärktes Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.005	M5 IG		
130.013	M5 AG		
130.103	M6 AG		
130.109	1/8" IG		
130.238	1/8" AG		
5mm	0.8g		

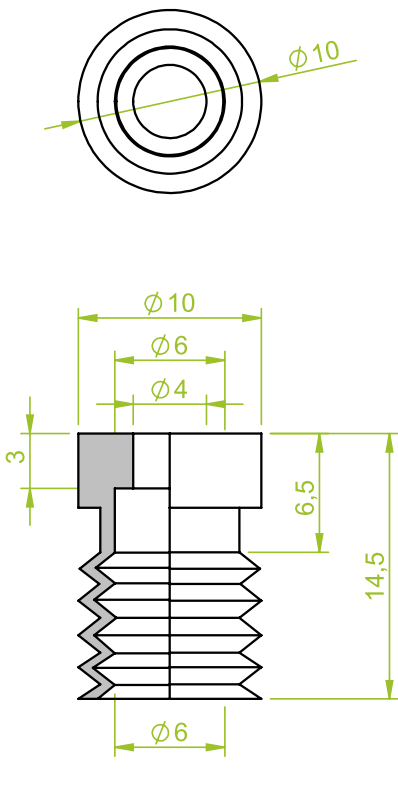


220.010.124._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.013	M5 AG		
130.103	M6 AG		
130.109	1/8" IG		
130.238	1/8" AG		
4mm	0.8g		

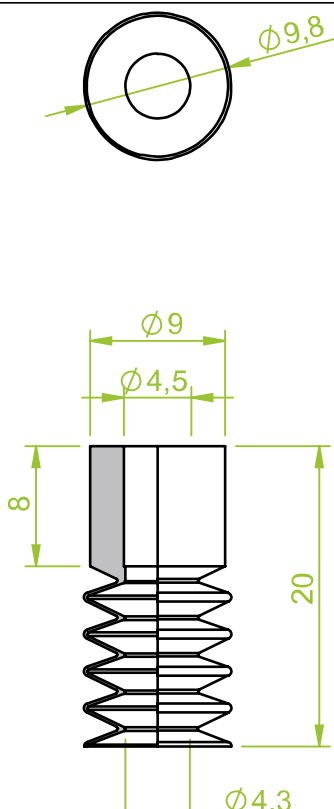


Balgensauger | *Bellow cups*

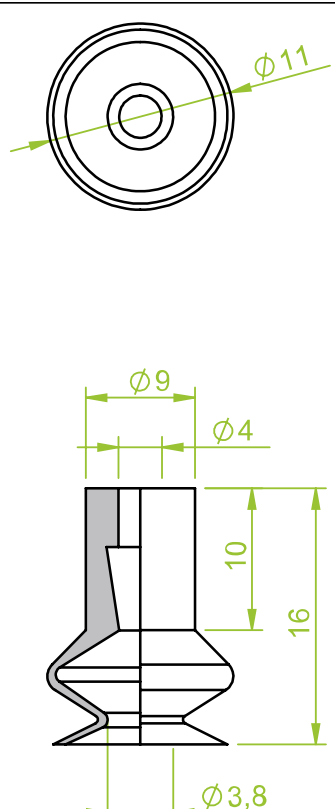


220.010.126._	
	
Materialcode	
05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.013 130.103 130.109 130.238	M5 AG M6 AG 1/8" IG 1/8" AG
	
3mm	1g

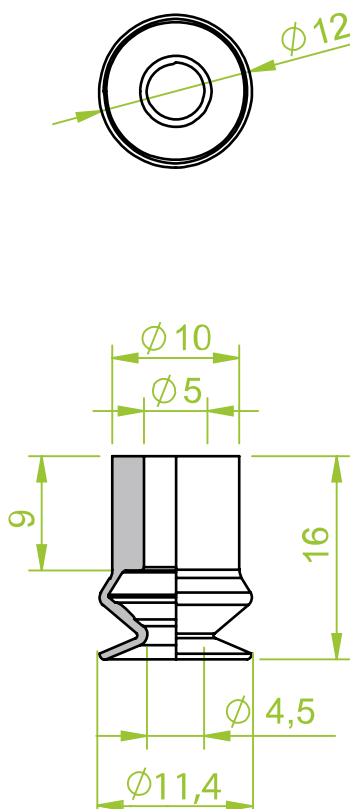


221.010.003._	
	
Materialcode	
09 HNBR 03 NR 05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
3mm	0.6g

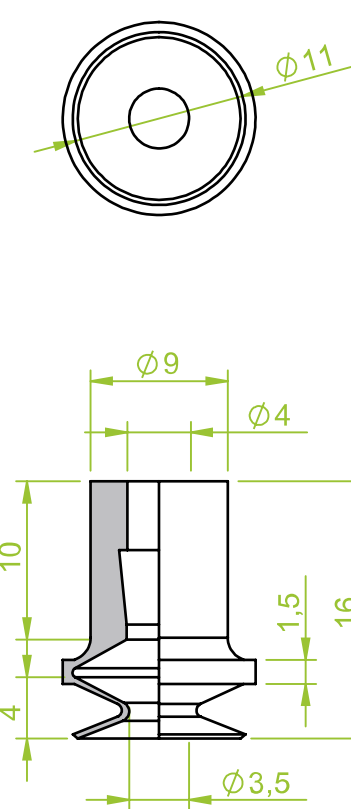


222.010.001._	
	
Materialcode	
09 HNBR 03 NR 05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.013 130.103 130.109	M5 AG M6 AG 1/8" IG
	
3mm	0.6g

240.010.011._	
	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.005 130.007 130.009 130.010	M5 IG 1/8" IG 1/8" AG M5 AG
	
4mm	2g

240.010.028._	
	
Materialcode	
09 HNBR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.013 130.103 130.109 130.238	M5 AG M6 AG 1/8" IG 1/8" AG
	
7mm	0.7g

210.011.001._	
	
Materialcode	
04 CR 07 FKM 09 HNBR 05 Polyurethan	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.003 130.015 130.104 130.134	1/8" AG 1/8" IG M6 AG M5 AG
	
5mm	0.8g

210.011.018._	
	
Materialcode	
09 HNBR 03 NR 05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.003 130.005 130.013 130.015 130.103	1/8" AG M5 IG M5 AG 1/8" IG M6 AG
	
4.5mm	0.8g

210.011.025._	
	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.003 130.015 130.033 130.104 130.134	1/8" AG 1/8" IG 1/8" AG M6 AG M5 AG
	
3.5mm	1g

Balgensauger | *Bellow cups*

210.011.029._			
		Materialcode	
		04 CR 05 Polyurethan 02 Silikon	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.003	1/8" AG		
130.015	1/8" IG		
130.104	M6 AG		
130.134	M5 AG		
5mm	0.6g		

210.011.082._			
		Materialcode	
		02 Silikon	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.087	1/8" AG		
130.134	M5 AG		
3.5mm	1g		

210.011.083._			
		Materialcode	
		02 Silikon	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.003	1/8" AG		
130.015	1/8" IG		
130.104	M6 AG		
130.134	M5 AG		
4mm	1g		

210.011.141._			
		Materialcode	
		04 CR 09 HNBR 05 Polyurethan 02 Silikon	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.003	1/8" AG		
130.013	M5 AG		
130.015	1/8" IG		
130.103	M6 AG		
4.5mm	0.8g		

210.011.176._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.015 130.087 130.104 130.134	1/8" IG 1/8" AG M6 AG M5 AG		
2.5mm	0.5g		

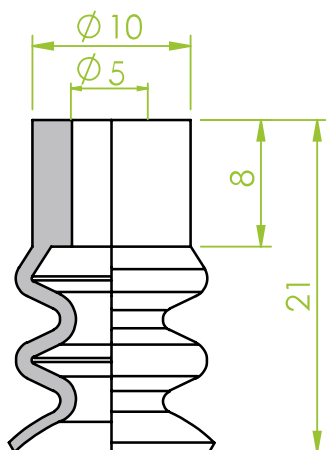
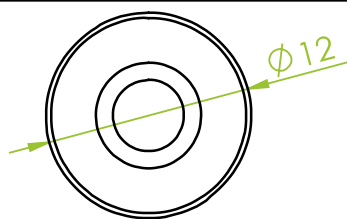
210.011.212._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
5mm	1g		

212.011.011._			
		Materialcode	
		03 NR 05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
5mm	1g		

220.011.008._			
		Materialcode	
		09 HNBR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.003 130.013 130.015 130.104 130.134	1/8" AG M5 AG 1/8" IG M6 AG M5 AG		
5mm	1g		

Balgensauger | *Bellow cups*

220.012.011._



Materialcode

04 CR
07 FKM
09 HNBR
03 NR

Halter
Fitting

Gewinde
Thread

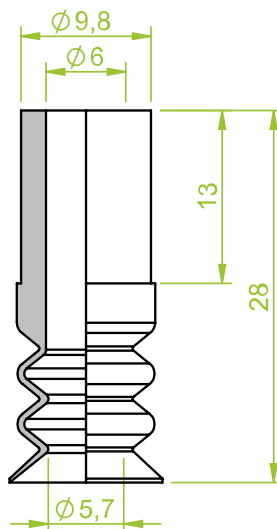
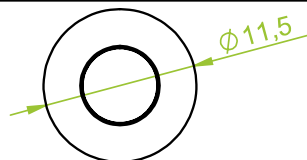
130.005 M5 IG
130.013 M5 AG
130.015 1/8" IG
130.103 M6 AG
130.134 M5 AG
130.194 1/4" AG
130.238 1/8" AG



8.5mm

1g

220.012.024._



Materialcode

03 NR
02 Silikon

Halter
Fitting

Gewinde
Thread

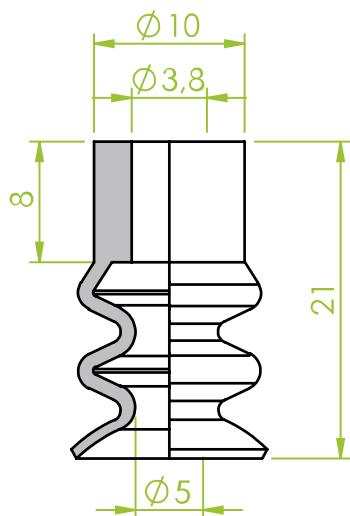
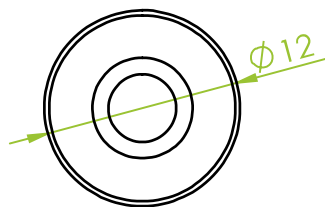
130.110 1/8" IG
130.238 1/8" AG



6mm

1.2g

220.012.108._



Materialcode

04 CR
09 HNBR
03 NR
05 Polyurethan

Halter
Fitting

Gewinde
Thread

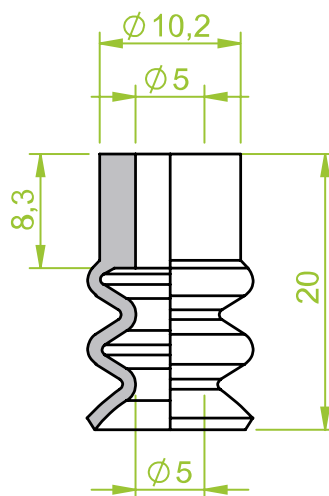
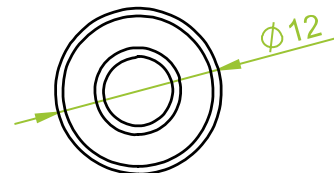
130.013 M5 AG
130.015 1/8" IG
130.194 1/4" AG
130.238 1/8" AG



7mm

1.3g

220.012.122._



Materialcode

Halter
Fitting

Gewinde
Thread

130.003 1/8" AG
130.005 M5 IG
130.013 M5 AG
130.015 1/8" IG
130.103 M6 AG



7mm

1g

210.013.003._														
	Materialcode 04 CR 07 FKM 09 HNBR 03 NR													
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.087</td> <td>1/8" AG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.317</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.013	M5 AG	130.015	1/8" IG	130.087	1/8" AG	130.103	M6 AG	130.317
Halter <i>Fitting</i>	Gewinde <i>Thread</i>													
130.003	1/8" AG													
130.013	M5 AG													
130.015	1/8" IG													
130.087	1/8" AG													
130.103	M6 AG													
130.317	M5 AG													
4mm	1g													

210.013.013._																		
	Materialcode 05 Polyurethan 02 Silikon V Vinyl																	
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.010</td> <td>M5 AG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>130.087</td> <td>1/8" AG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.317</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.010	M5 AG	130.013	M5 AG	130.015	1/8" IG	130.033	1/8" AG	130.087	1/8" AG	130.103	M6 AG	130.317
Halter <i>Fitting</i>	Gewinde <i>Thread</i>																	
130.003	1/8" AG																	
130.010	M5 AG																	
130.013	M5 AG																	
130.015	1/8" IG																	
130.033	1/8" AG																	
130.087	1/8" AG																	
130.103	M6 AG																	
130.317	M5 AG																	
5mm	0.5g																	

210.013.201._																		
	Materialcode 04 CR 09 HNBR 03 NR 05 Polyurethan																	
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>130.087</td> <td>1/8" AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> <tr> <td>130.317</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.005	M5 IG	130.013	M5 AG	130.015	1/8" IG	130.033	1/8" AG	130.087	1/8" AG	130.104	M6 AG	130.134	M5 AG	130.317
Halter <i>Fitting</i>	Gewinde <i>Thread</i>																	
130.005	M5 IG																	
130.013	M5 AG																	
130.015	1/8" IG																	
130.033	1/8" AG																	
130.087	1/8" AG																	
130.104	M6 AG																	
130.134	M5 AG																	
130.317	M5 AG																	
4mm	1g																	

210.014.064._												
	Materialcode 07 FKM 09 HNBR 03 NR 05 Polyurethan											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.005	M5 IG	130.013	M5 AG	130.015	1/8" IG	130.103
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.003	1/8" AG											
130.005	M5 IG											
130.013	M5 AG											
130.015	1/8" IG											
130.103	M6 AG											
8mm	1.1g											

Balgensauger | *Bellow cups*

211.014.009._			
		Materialcode	
		06 EPDM 09 HNBR 03 NR 05 Polyurethan	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
8mm	1.1g		

212.014.001._			
		Materialcode	
		06 EPDM 09 HNBR 03 NR 05 Polyurethan	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
8mm	1.1g		

220.014.009._			
		Materialcode	
		04 CR 06 EPDM 09 HNBR 03 NR	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.003 1/8" AG 130.013 M5 AG 130.015 1/8" IG 130.103 M6 AG 130.104 M6 AG			
11mm	1.3g		

220.014.013._			
		Materialcode	
		04 CR 09 HNBR 02 Silikon 12 verstärktes Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.003 1/8" AG 130.005 M5 IG 130.033 1/8" AG 130.104 M6 AG 130.134 M5 AG 130.347 M5 IG			
9mm	1g		

220.014.016._												
	Materialcode 04 CR 06 EPDM 07 FKM 09 HNBR											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.539</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.013	M5 AG	130.015	1/8" IG	130.103	M6 AG	130.539
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.003	1/8" AG											
130.013	M5 AG											
130.015	1/8" IG											
130.103	M6 AG											
130.539	1/8" AG											
12mm	1.3g											

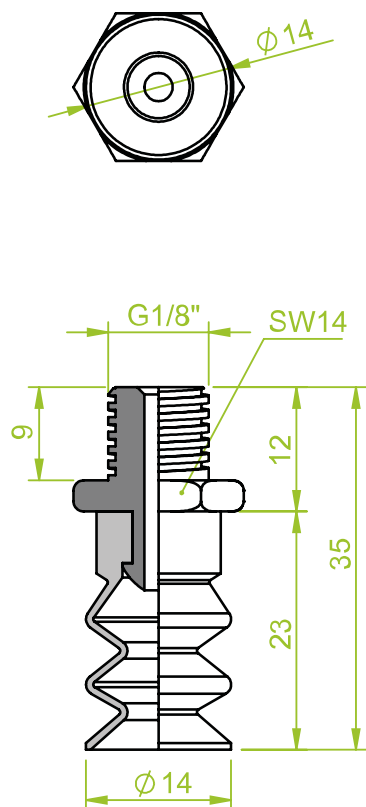
220.014.023._																
	Materialcode 06 EPDM 07 FKM 09 HNBR 03 NR															
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.109</td> <td>1/8" IG</td> </tr> <tr> <td>130.238</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.005	M5 IG	130.013	M5 AG	130.015	1/8" IG	130.103	M6 AG	130.109	1/8" IG	130.238
Halter <i>Fitting</i>	Gewinde <i>Thread</i>															
130.003	1/8" AG															
130.005	M5 IG															
130.013	M5 AG															
130.015	1/8" IG															
130.103	M6 AG															
130.109	1/8" IG															
130.238	1/8" AG															
10mm	1.4g															

220.014.049._								
	Materialcode 05 Polyurethan							
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.024	M5 AG							
130.033	1/8" AG							
130.104	M6 AG							
7mm	1g							

221.014.004._				
	Materialcode 06 EPDM 07 FKM 09 HNBR 03 NR			
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
10mm	1.4g			

Balgensauger | *Bellow cups*

222.014.002._



Materialcode

06 EPDM
07 FKM
09 HNBR
03 NR

Halter
Fitting

Gewinde
Thread

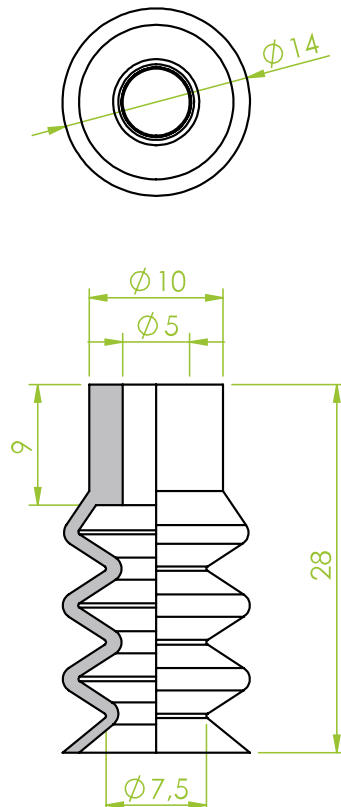


10mm



1.4g

230.014.013._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

130.003 1/8" AG
130.013 M5 AG
130.033 1/8" AG
130.104 M6 AG
130.134 M5 AG
130.194 1/4" AG
130.238 1/8" AG

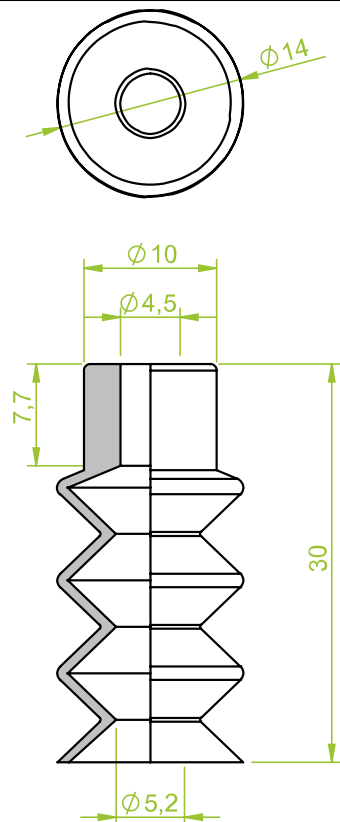


12.7mm



1.7g

230.014.026._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

130.013 M5 AG
130.087 1/8" AG
130.109 1/8" IG

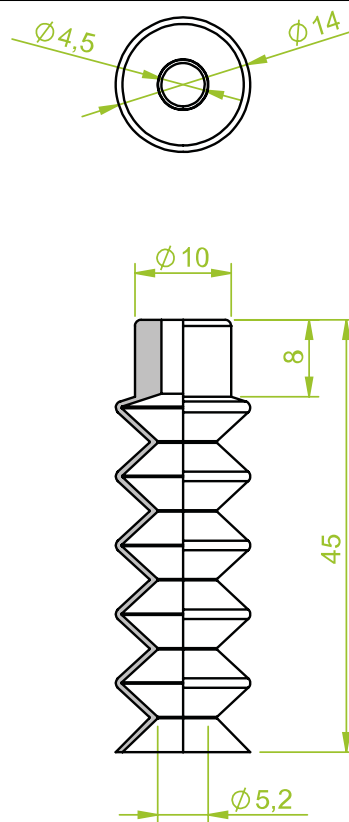


15mm



1.8g

250.014.015._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread



26mm



2.5g

210.015.011._								
	Materialcode V Vinyl							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.033	1/8" AG	130.104	M6 AG	130.134
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.033	1/8" AG							
130.104	M6 AG							
130.134	M5 AG							
5mm	1.2g							

210.015.012._								
	Materialcode V Vinyl							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.033	1/8" AG	130.104	M6 AG	130.134
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.033	1/8" AG							
130.104	M6 AG							
130.134	M5 AG							
5mm	0.8g							

210.015.015._												
	Materialcode 04 CR 07 FKM 09 HNBR 03 NR											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.007</td> <td>1/8" IG</td> </tr> <tr> <td>130.009</td> <td>1/8" AG</td> </tr> <tr> <td>130.010</td> <td>M5 AG</td> </tr> <tr> <td>130.301</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.005	M5 IG	130.007	1/8" IG	130.009	1/8" AG	130.010	M5 AG	130.301
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.005	M5 IG											
130.007	1/8" IG											
130.009	1/8" AG											
130.010	M5 AG											
130.301	M5 AG											
5mm	0.7g											

210.015.052._								
	Materialcode 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.064</td> <td>1/8" AG</td> </tr> <tr> <td>130.065</td> <td>1/8" IG</td> </tr> <tr> <td>130.200</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.064	1/8" AG	130.065	1/8" IG	130.200
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.064	1/8" AG							
130.065	1/8" IG							
130.200	M5 AG							
7mm	1.5g							

Balgensauger | *Bellow cups*

210.015.084._		210.015.143._			
	Materialcode		Materialcode		
	04 CR 07 FKM 09 HNBR 03 NR		05 Polyurethan 02 Silikon		
	Halter <i>Fitting</i>		Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.301 130.310		M5 AG M5 AG	130.604 130.605 130.606	M5 AG 1/8" AG 1/4" AG
3.5mm	1g	6.5mm	1.8g		
210.015.210._		210.015.800._			
	Materialcode		Materialcode		
	02 Silikon		05 Polyurethan 20 TPU		
	Halter <i>Fitting</i>		Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.023 130.087 130.134		M5 AG 1/8" AG M5 AG	130.003 130.134	1/8" AG M5 AG
4.5mm	3.1g	5.5mm	1.36g		

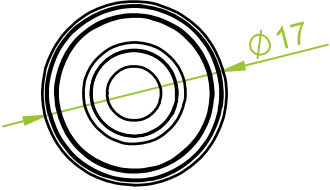
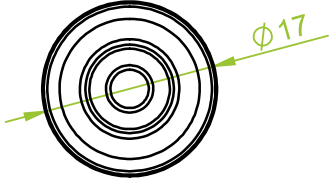
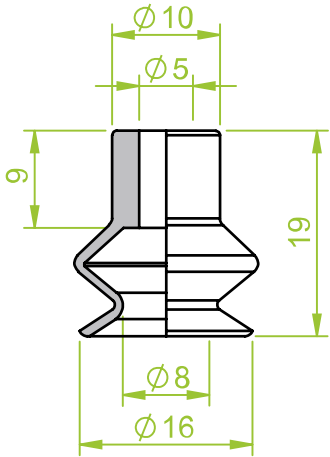
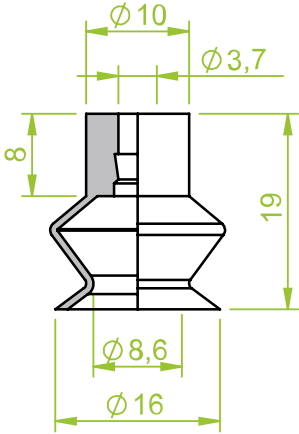




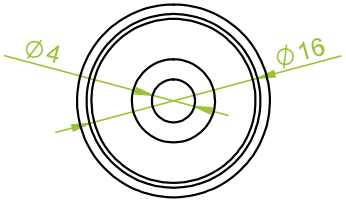
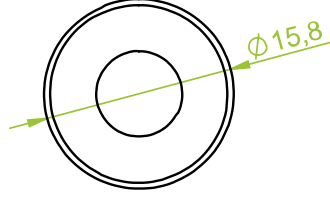
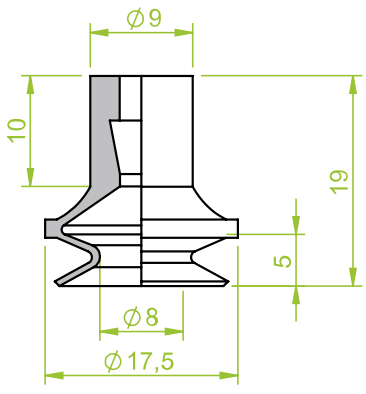
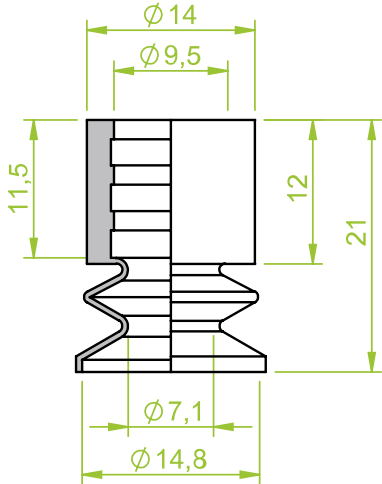


214.015.012._	
Materialcode	
05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
5.5mm	11g

220.015.022._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.094 130.095 130.096	M5 AG 1/8" AG 1/8" IG
5mm	0.8g

220.015.053._	
Materialcode	
02 Silikon 12 verstärktes Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.112 130.113 130.114	1/8" AG 1/4" AG 1/8" IG
7mm	1.6g

220.015.132._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.013 130.109 130.238	M5 AG 1/8" IG 1/8" AG
7mm	1.6g

Balgensauger | *Bellow cups*

210.016.002._		210.016.009._	
			
Materialcode 06 EPDM 09 HNBR 03 NR 05 Polyurethan		Materialcode 04 CR 09 HNBR 03 NR 05 Polyurethan	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.003 130.005 130.013 130.015 130.103	1/8" AG M5 IG M5 AG 1/8" IG M6 AG	130.003 130.015 130.104 130.134	1/8" AG 1/8" IG M6 AG M5 AG
			
			
6mm		1.2g	
Materialcode 04 CR 09 HNBR 03 NR 05 Polyurethan		Materialcode 03 NR 12 verstärktes Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.003 130.015 130.033 130.104 130.134 130.591	1/8" AG 1/8" IG 1/8" AG M6 AG M5 AG M5 AG	130.177 130.193 130.244	M10 AG 1/4" AG M5 AG
			
5mm		1.2g	
			
			
			
6mm		1.6g	

210.016.086._	
	Materialcode
	V Vinyl
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.244	M5 AG
6mm	1.5g

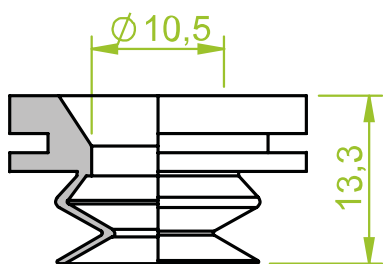
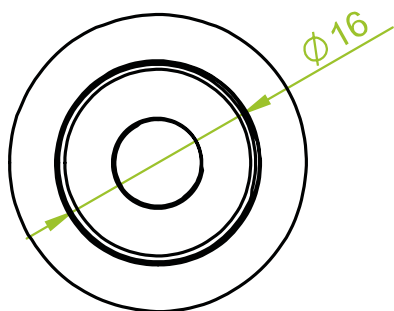
210.016.156._	
	Materialcode
	04 CR 03 NR 05 Polyurethan 02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.005 130.007 130.009 130.010	M5 IG 1/8" IG 1/8" AG M5 AG
6mm	0.6g

210.016.205._	
	Materialcode
	05 Polyurethan
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.013 130.094	M5 AG M5 AG
4.5mm	1.4g

210.016.207._	
	Materialcode
	02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.003 130.013 130.015 130.103	1/8" AG M5 AG 1/8" IG M6 AG
6mm	1.2g

Balgensauger | *Bellow cups*

210.016.220._



Materialcode

02 Silikon

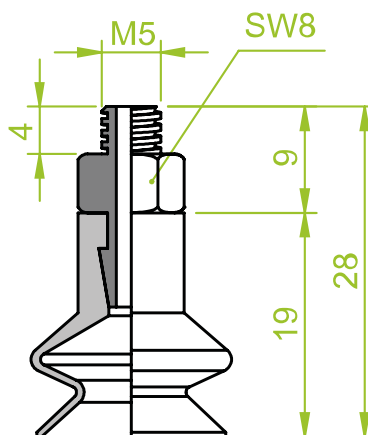
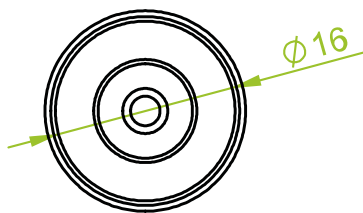
Halter
FittingGewinde
Thread130.311
130.312M5 AG
M6 AG

6mm



0.8g

212.016.012._



Materialcode

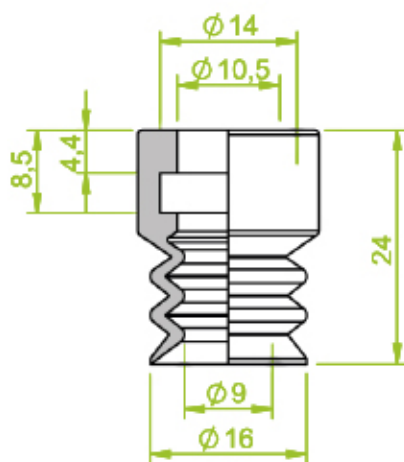
04 CR
03 NR
05 Polyurethan
02 SilikonHalter
FittingGewinde
Thread

7mm



1.2g

220.016.054._



Materialcode

V Vinyl

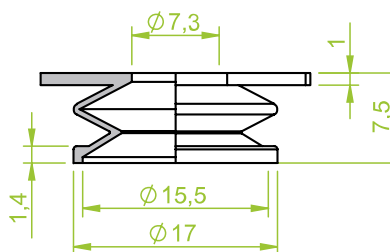
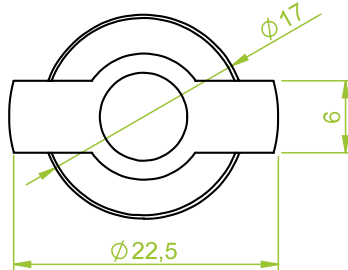
Halter
FittingGewinde
Thread130.097
130.098
130.177
130.1811/4" AG
1/4" IG
M10 AG
1/8" AG

9mm



3g

210.017.007._



Materialcode

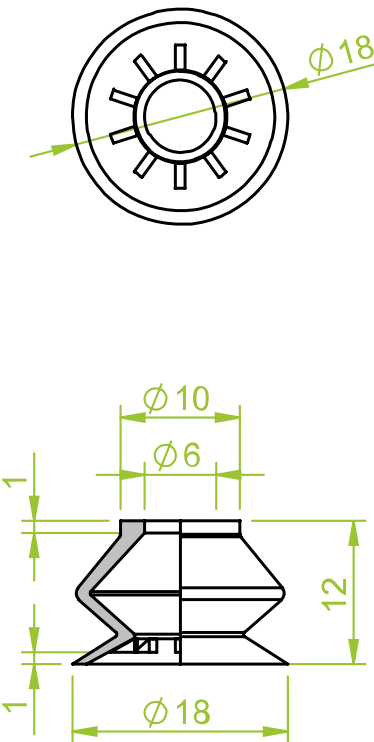


03 NR

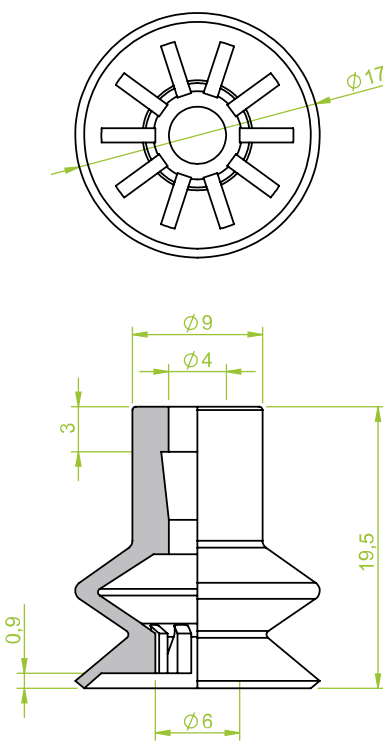


Halter
FittingGewinde
Thread

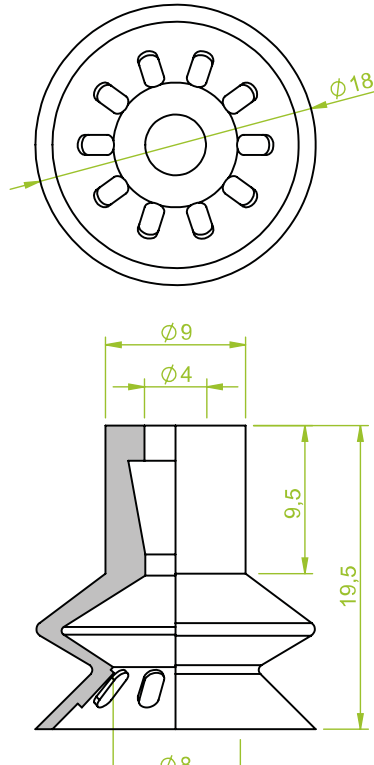


5.5mm

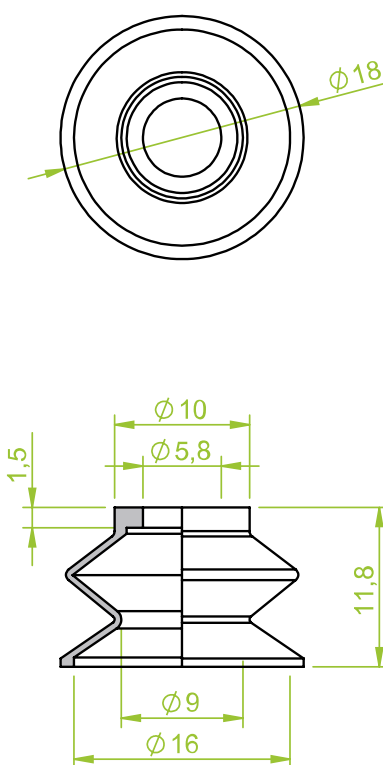




0.8g

210.018.067._								
	Materialcode 04 CR 03 NR 02 Silikon							
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.040	M8 AG							
130.077	1/8" AG							
130.105	M6 AG							
								
5.5mm	0.6g							

210.018.068._														
	Materialcode 03 NR													
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> <tr> <td>130.317</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.015	1/8" IG	130.033	1/8" AG	130.104	M6 AG	130.134	M5 AG	130.317
Halter <i>Fitting</i>	Gewinde <i>Thread</i>													
130.003	1/8" AG													
130.015	1/8" IG													
130.033	1/8" AG													
130.104	M6 AG													
130.134	M5 AG													
130.317	M5 AG													
														
5.5mm	2g													

210.018.069._												
	Materialcode 03 NR											
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.015	1/8" IG											
130.033	1/8" AG											
130.104	M6 AG											
130.134	M5 AG											
130.317	M5 AG											
												
7mm	1.2g											

210.018.070._								
	Materialcode 03 NR 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.039</td> <td>M6 AG</td> </tr> <tr> <td>130.040</td> <td>M8 AG</td> </tr> <tr> <td>130.077</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.039	M6 AG	130.040	M8 AG	130.077
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.039	M6 AG							
130.040	M8 AG							
130.077	1/8" AG							
								
8mm	0.8g							

Balgensauger | *Bellow cups*

210.018.071._

	Materialcode	
	03 NR	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.021	1/8" AG
	5.5mm	0.8g

210.018.097._

	Materialcode	
	03 NR 05 Polyurethan 02 Silikon 12 verstärktes Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.033 130.109 130.134 130.238	1/8" AG 1/8" IG M5 AG 1/8" AG
	6mm	1.2g

210.018.178._

	Materialcode	
	03 NR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.238 130.504 130.560 130.566 130.630	1/8" AG 1/4" AG M5 AG M5 AG 1/8" AG
	6mm	2g

220.018.001._

	Materialcode	
	06 EPDM 07 FKM 09 HNBR 03 NR	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.005 130.013 130.015 130.103 130.109 130.238	M5 IG M5 AG 1/8" IG M6 AG 1/8" IG 1/8" AG
	8mm	2g

220.018.005._																		
	Materialcode 04 CR 06 EPDM 07 FKM 09 HNBR																	
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.105</td> <td>M6 AG</td> </tr> <tr> <td>130.194</td> <td>1/4" AG</td> </tr> <tr> <td>130.275</td> <td>1/4" IG</td> </tr> <tr> <td>130.537</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.013	M5 AG	130.015	1/8" IG	130.103	M6 AG	130.105	M6 AG	130.194	1/4" AG	130.275	1/4" IG	130.537
Halter <i>Fitting</i>	Gewinde <i>Thread</i>																	
130.003	1/8" AG																	
130.013	M5 AG																	
130.015	1/8" IG																	
130.103	M6 AG																	
130.105	M6 AG																	
130.194	1/4" AG																	
130.275	1/4" IG																	
130.537	M5 AG																	
8mm	1.09g																	

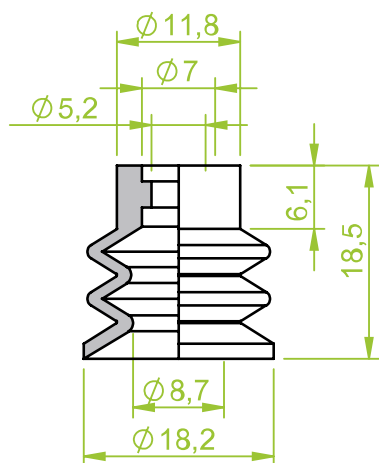
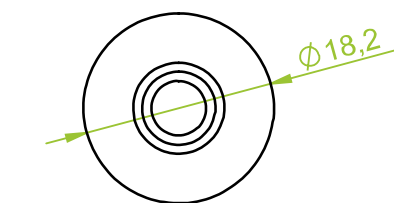
220.018.012._								
	Materialcode 05 Polyurethan							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.024</td> <td>M5 AG</td> </tr> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.024	M5 AG	130.033	1/8" AG	130.104
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.024	M5 AG							
130.033	1/8" AG							
130.104	M6 AG							
12mm	2.2g							

220.018.030._																
	Materialcode V Vinyl															
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.109</td> <td>1/8" IG</td> </tr> <tr> <td>130.194</td> <td>1/4" AG</td> </tr> <tr> <td>130.238</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.013	M5 AG	130.015	1/8" IG	130.103	M6 AG	130.109	1/8" IG	130.194	1/4" AG	130.238
Halter <i>Fitting</i>	Gewinde <i>Thread</i>															
130.003	1/8" AG															
130.013	M5 AG															
130.015	1/8" IG															
130.103	M6 AG															
130.109	1/8" IG															
130.194	1/4" AG															
130.238	1/8" AG															
11mm	2.4g															

220.018.041._																
	Materialcode 02 Silikon															
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.010</td> <td>M5 AG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.194</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.005	M5 IG	130.010	M5 AG	130.013	M5 AG	130.015	1/8" IG	130.103	M6 AG	130.194
Halter <i>Fitting</i>	Gewinde <i>Thread</i>															
130.003	1/8" AG															
130.005	M5 IG															
130.010	M5 AG															
130.013	M5 AG															
130.015	1/8" IG															
130.103	M6 AG															
130.194	1/4" AG															
9mm	2.3g															

Balgensauger | *Bellow cups*

220.018.055._



Materialcode

02 Silikon

Halter
FittingGewinde
Thread

130.094

M5 AG

130.095

1/8" AG

130.096

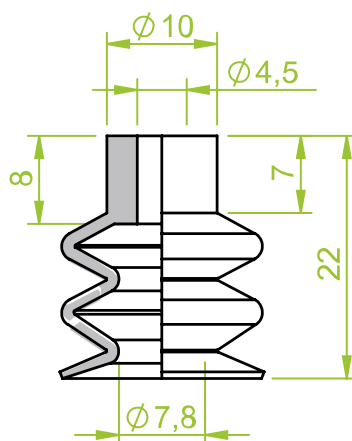
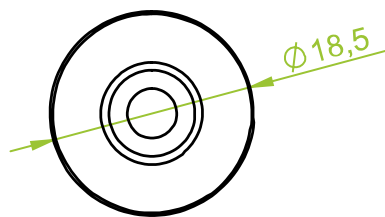
1/8" IG



7mm

1.2g

220.018.063._



Materialcode

04 CR

09 HNBR

03 NR

05 Polyurethan

Halter
FittingGewinde
Thread

130.003

1/8" AG

130.013

M5 AG

130.015

1/8" IG

130.103

M6 AG

130.194

1/4" AG

130.275

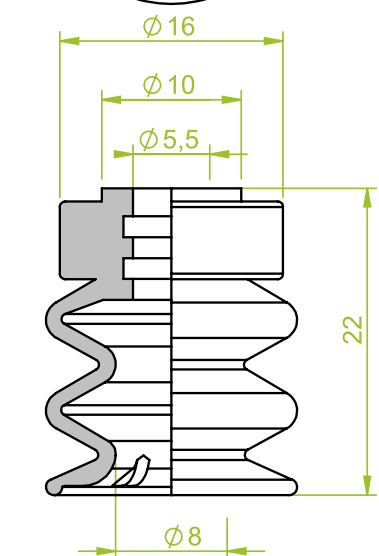
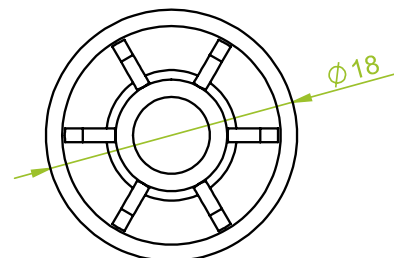
1/4" IG



8mm

1.8g

220.018.066._



Materialcode

Halter
FittingGewinde
Thread

130.110

1/8" IG

130.238

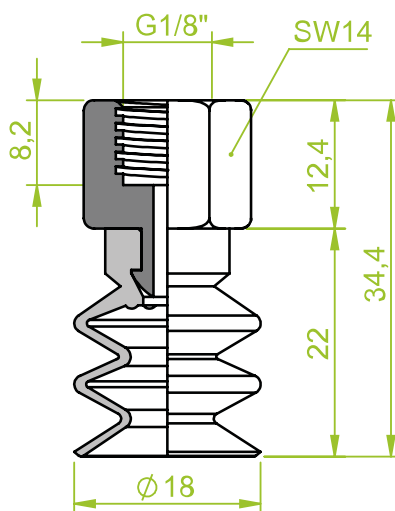
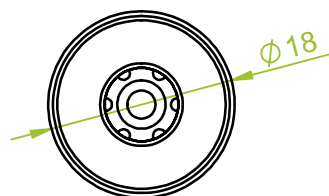
1/8" AG



10mm

2.5g

221.018.005._



Materialcode

06 EPDM

09 HNBR

03 NR

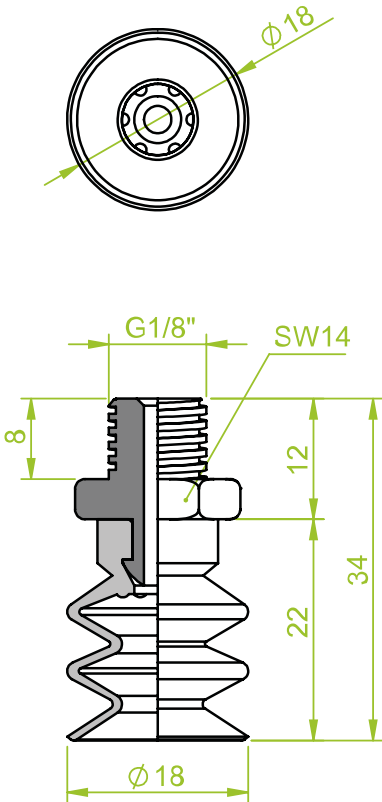


05 Polyurethan



Halter
FittingGewinde
Thread

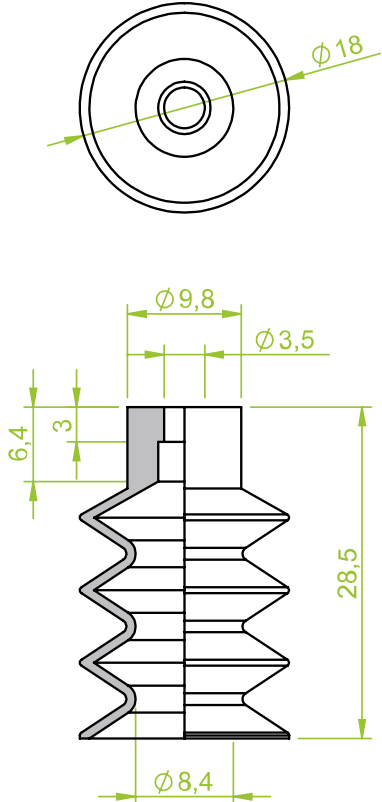


8mm

2g

221.018.027._	
Materialcode	
03 NR	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
8mm	1.7g

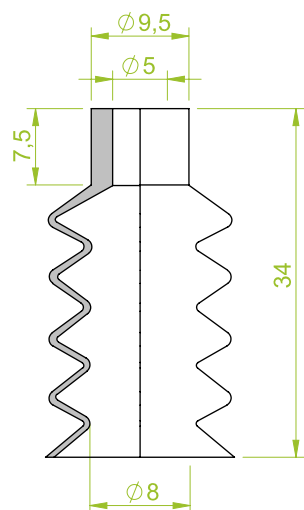
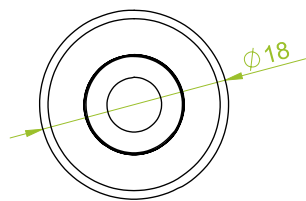
222.018.003._	
	
Materialcode	
06 EPDM 09 HNBR 03 NR 05 Polyurethan	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
8mm	2g

222.018.012._	
Materialcode	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
8mm	2.5g

230.018.014._	
	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
130.015 130.104 130.134	1/8" IG M6 AG M5 AG
125mm	1.9g

Balgensauger | *Bellow cups*

240.018.010._



Materialcode

02 Silikon

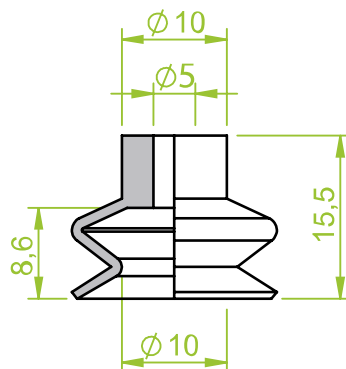
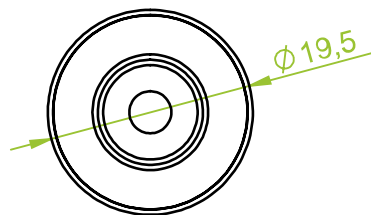
Halter
FittingGewinde
Thread130.013
130.109
130.194M5 AG
1/8" IG
1/4" AG

14mm



2.4g

210.019.044._



Materialcode

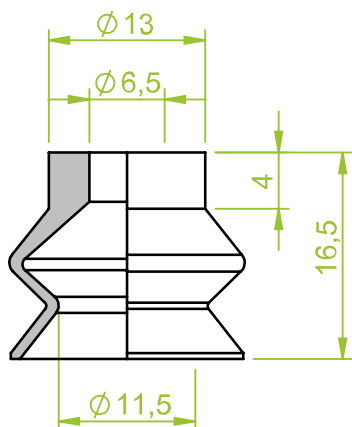
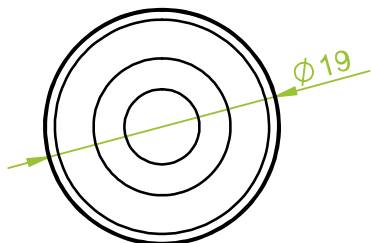
04 CR
09 HNBR
03 NR
05 PolyurethanHalter
FittingGewinde
Thread130.003
130.005
130.013
130.015
130.033
130.103
130.109
130.1941/8" AG
M5 IG
M5 AG
1/8" IG
1/8" AG
M6 AG
1/8" IG
1/4" AG

4mm



1.7g

210.019.059._



Materialcode

V Vinyl

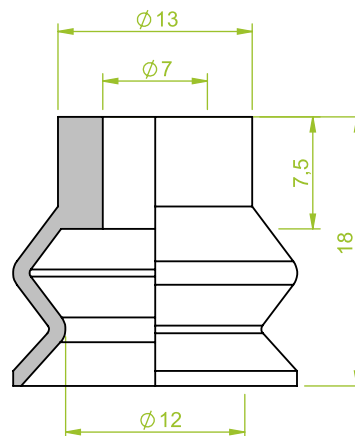
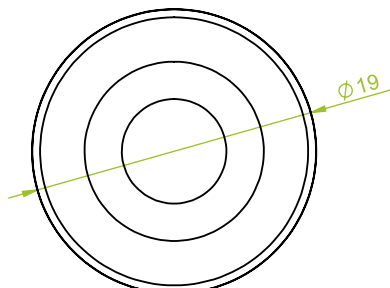
Halter
FittingGewinde
Thread130.039
130.059M6 AG
1/8" AG

7mm



1.6g

210.019.060._



Materialcode

V Vinyl

Halter
FittingGewinde
Thread

130.059

1/8" AG



8mm



1.8g

210.019.093._														
	Materialcode V Vinyl													
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.039</td> <td>M6 AG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.005	M5 IG	130.013	M5 AG	130.015	1/8" IG	130.039	M6 AG	130.103
Halter <i>Fitting</i>	Gewinde <i>Thread</i>													
130.003	1/8" AG													
130.005	M5 IG													
130.013	M5 AG													
130.015	1/8" IG													
130.039	M6 AG													
130.103	M6 AG													
8mm	2g													

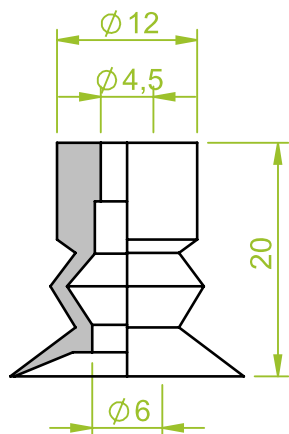
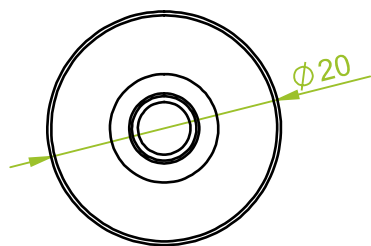
210.019.155._												
	Materialcode 04 CR 09 HNBR 03 NR 05 Polyurethan											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.109</td> <td>1/8" IG</td> </tr> <tr> <td>130.194</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.013	M5 AG	130.103	M6 AG	130.109	1/8" IG	130.194
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.003	1/8" AG											
130.013	M5 AG											
130.103	M6 AG											
130.109	1/8" IG											
130.194	1/4" AG											
4mm	1.7g											

230.019.003._								
	Materialcode V Vinyl							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.177</td> <td>M10 AG</td> </tr> <tr> <td>130.451</td> <td>1/4" AG</td> </tr> <tr> <td>130.452</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.177	M10 AG	130.451	1/4" AG	130.452
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.177	M10 AG							
130.451	1/4" AG							
130.452	1/4" IG							
10mm	2g							

210.020.031._								
	Materialcode 04 CR 06 EPDM 07 FKM 09 HNBR							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.135</td> <td>1/8" AG</td> </tr> <tr> <td>130.291</td> <td>1/8" AG</td> </tr> <tr> <td>130.507</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.135	1/8" AG	130.291	1/8" AG	130.507
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.135	1/8" AG							
130.291	1/8" AG							
130.507	1/8" AG							
9mm	2.5g							

Balgensauger | *Bellow cups*

210.020.037._



Materialcode

02 Silikon

Halter
*Fitting*Gewinde
Thread

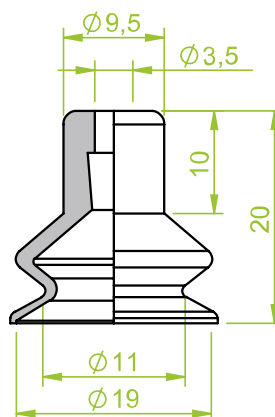
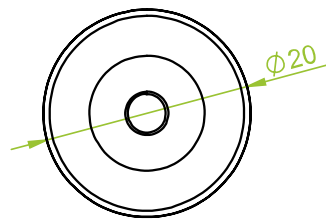
130.103	M6 AG
130.109	1/8" IG
130.194	1/4" AG
130.205	1/8" AG
130.317	M5 AG



6mm

2g

210.020.053._



Materialcode

V Vinyl

Halter
*Fitting*Gewinde
Thread

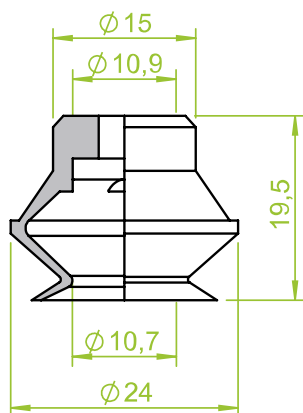
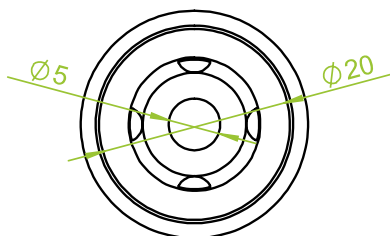
130.033	1/8" AG
130.104	M6 AG
130.134	M5 AG
130.347	M5 IG



6mm

1.5g

210.020.054._



Materialcode

04 CR
09 HNBR
03 NR
05 PolyurethanHalter
*Fitting*Gewinde
Thread

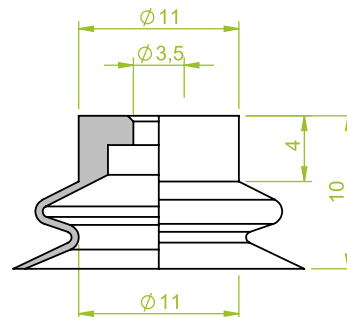
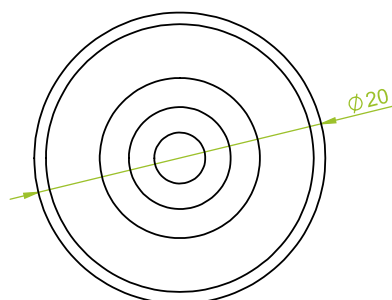
130.063	1/8" AG
130.311	M5 AG
130.312	M6 AG



8mm

2.4g

210.020.094._



Materialcode

03 NR

Halter
*Fitting*Gewinde
Thread

130.005	M5 IG
130.010	M5 AG
130.310	M5 AG



2mm

0.5g

210.020.095._			
		Materialcode	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.019	1/8" IG		
130.030	1/8" AG		
130.043	1/4" AG		
130.113	1/4" AG		
130.275	1/4" IG		
5mm	2.6g		

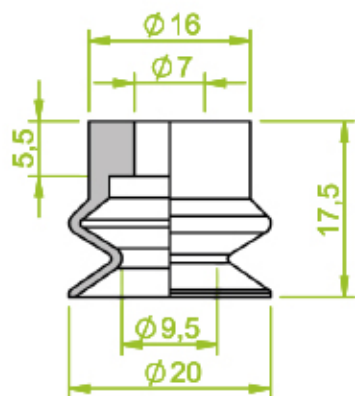
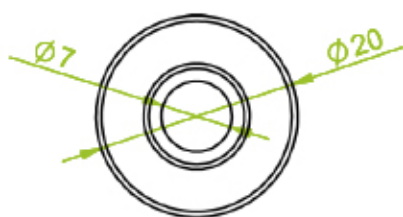
210.020.102._			
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.177	M10 AG		
130.451	1/4" AG		
130.452	1/4" IG		
10mm	4g		

210.020.104._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.311	M5 AG		
130.312	M6 AG		
7mm	2.4g		

210.020.150._			
		Materialcode	
		04 CR 07 FKM 09 HNBR 03 NR	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.010	M5 AG		
130.061	1/8" IG		
130.063	1/8" AG		
130.311	M5 AG		
4mm	1.6g		

Balgensauger | *Bellow cups*

210.020.161._



Materialcode

05 Polyurethan
20 TPU
V Vinyl

Halter
Fitting

Gewinde
Thread

130.251
130.311
130.312

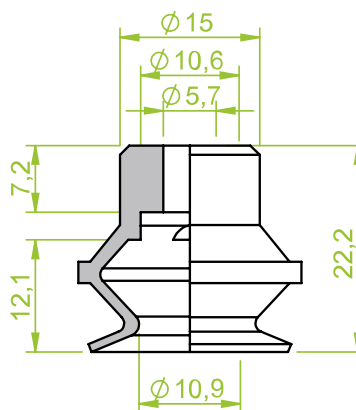
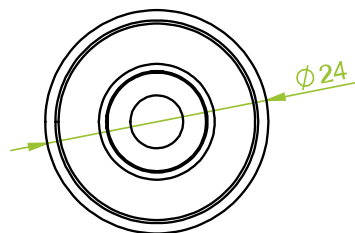
1/8" IG
M5 AG
M6 AG



6mm

2g

210.020.169._



Materialcode

04 CR
09 HNBR
03 NR
05 Polyurethan

Halter
Fitting

Gewinde
Thread

130.312

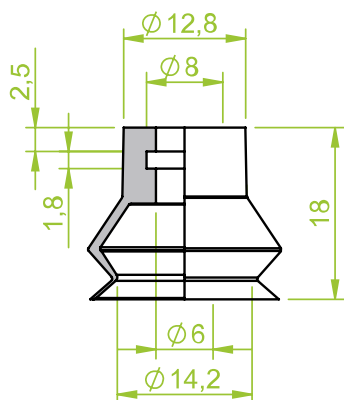
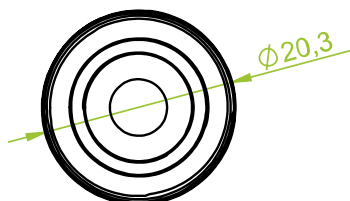
M6 AG



7mm

2.4g

210.020.181._



Materialcode

V Vinyl

Halter
Fitting

Gewinde
Thread

130.504
130.560
130.566
130.630

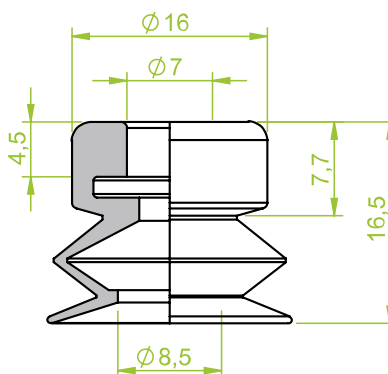
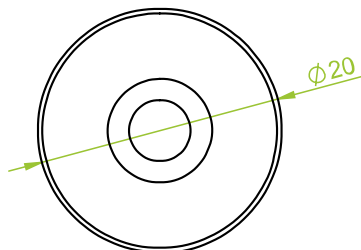
1/4" AG
M5 AG
M5 AG
1/8" AG



6mm

1.7g

210.020.185._



Materialcode

05 Polyurethan
02 Silikon

Halter
Fitting

Gewinde
Thread

130.604
130.605
130.606

M5 AG
1/8" AG
1/4" AG



6mm

1.9g

210.020.190._								
	Materialcode 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <th><i>Fitting</i></th> <th><i>Thread</i></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td>3mm</td> <td>0.5g</td> </tr> </tbody> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			3mm
Halter	Gewinde							
<i>Fitting</i>	<i>Thread</i>							
3mm	0.5g							

210.020.217._								
	Materialcode 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <th><i>Fitting</i></th> <th><i>Thread</i></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td>mm</td> <td>0g</td> </tr> </tbody> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			mm
Halter	Gewinde							
<i>Fitting</i>	<i>Thread</i>							
mm	0g							

210.020.801._														
	Materialcode 05 Polyurethan 20 TPU													
	<table border="1"> <thead> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <th><i>Fitting</i></th> <th><i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.094</td> <td>M5 AG</td> </tr> <tr> <td>130.095</td> <td>1/8" AG</td> </tr> <tr> <td>130.291</td> <td>1/8" AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>7.6mm</td> <td>2.04g</td> </tr> </tbody> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>	130.094	M5 AG	130.095	1/8" AG	130.291	1/8" AG			7.6mm
Halter	Gewinde													
<i>Fitting</i>	<i>Thread</i>													
130.094	M5 AG													
130.095	1/8" AG													
130.291	1/8" AG													
7.6mm	2.04g													

211.020.002._								
	Materialcode 09 HNBR 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <th><i>Fitting</i></th> <th><i>Thread</i></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td>9mm</td> <td>4.8g</td> </tr> </tbody> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			9mm
Halter	Gewinde							
<i>Fitting</i>	<i>Thread</i>							
9mm	4.8g							

Balgensauger | *Bellow cups*

211.020.010._		220.020.002._			
	Materialcode				
	04 CR 07 FKM 09 HNBR 03 NR			Materialcode	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.003 1/8" AG 130.005 M5 IG 130.013 M5 AG 130.015 1/8" IG 130.103 M6 AG 130.194 1/4" AG			
9mm	2.5g	8mm	2.1g		

220.020.059._		220.020.060._			
	Materialcode				
	03 NR 02 Silikon			Materialcode	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.109 1/8" IG 130.134 M5 AG 130.238 1/8" AG			
11mm	2.2g	9mm	2g		

220.020.062._			
		Materialcode	
		02 Silikon 12 verstärktes Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.112	1/8" AG		
130.113	1/4" AG		
130.114	1/8" IG		
130.178	1/4" IG		
10mm	2.4g		

220.020.107._			
		Materialcode	
		04 CR 09 HNBR 03 NR 05 Polyurethan	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.003	1/8" AG		
130.013	M5 AG		
130.015	1/8" IG		
130.103	M6 AG		
130.194	1/4" AG		
8mm	2.2g		

220.020.111._			
		Materialcode	
		12 verstärktes Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
10mm	3g		

220.020.128._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
9mm	2.1g		

Balgensauger | *Bellow cups*

220.020.800._

	Materialcode	
	05 Polyurethan 20 TPU	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.095 130.291	1/8" AG 1/8" AG
6.5mm	1.6g	

240.020.002._

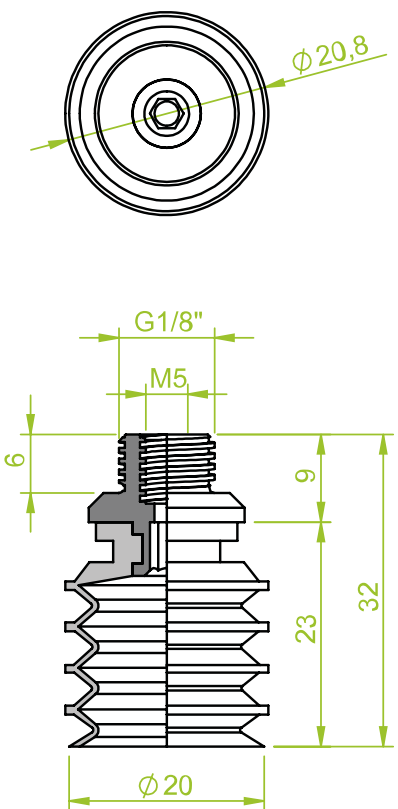
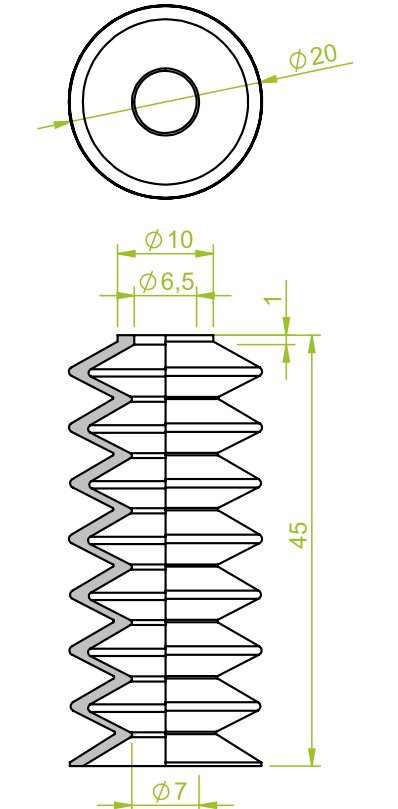




	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.135 130.291 130.507	1/8" AG 1/8" AG 1/8" AG
16mm	2g	

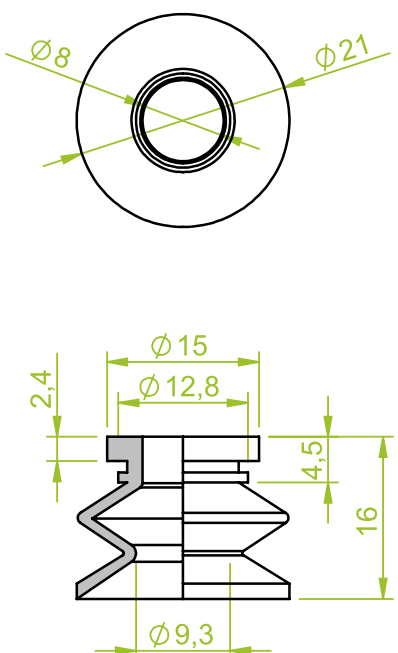
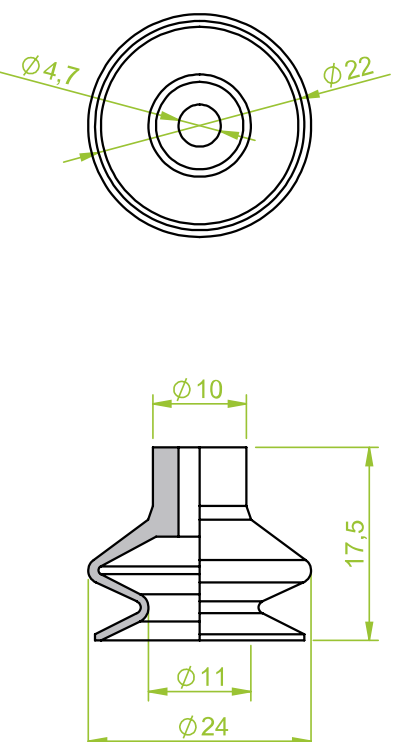




240.020.012._

	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.312	M6 AG
10mm	2g	

241.020.001._

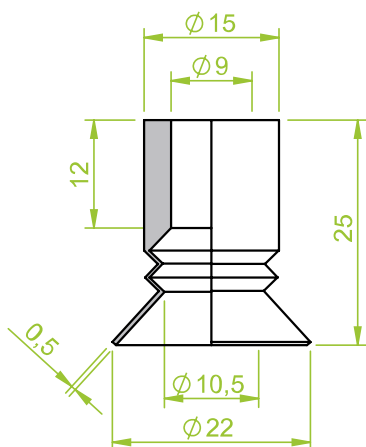
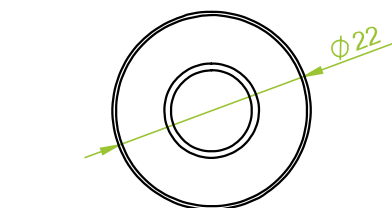
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
16mm	6.4g	

241.020.005._		250.020.002._	
			
Materialcode		Materialcode	
02 Silikon		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.040 130.077 130.105	M8 AG 1/8" AG M6 AG
			
16mm	2g	26mm	4.3g

210.021.216._		210.022.021._	
			
Materialcode		Materialcode	
02 Silikon		04 CR 06 EPDM 09 HNBR 03 NR	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.003 130.005 130.013 130.015 130.103 130.194	1/8" AG M5 IG M5 AG 1/8" IG M6 AG 1/4" AG
			
9mm	1.5g	8mm	2g

Balgensauger | *Bellow cups*

210.022.142._



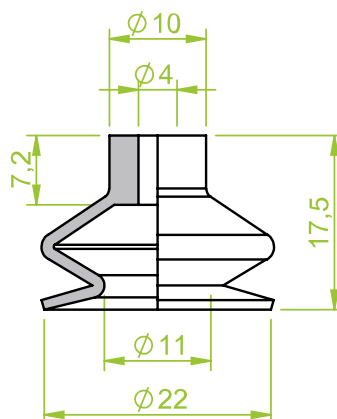
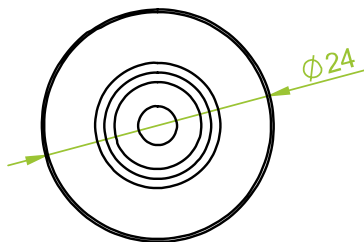
Materialcode

03 NR
02 SilikonHalter
*Fitting*Gewinde
*Thread*130.132
130.2081/8" AG
1/4" AG

8mm

2g

210.022.177._



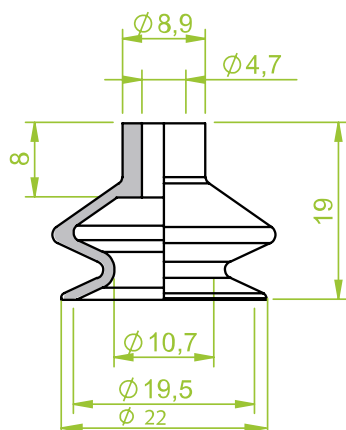
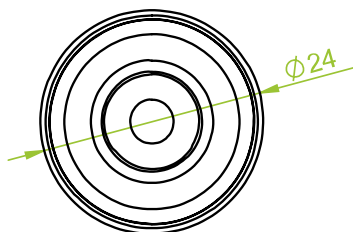
Materialcode

04 CR
09 HNBR
05 Polyurethan
02 SilikonHalter
*Fitting*Gewinde
*Thread*130.003
130.013
130.015
130.1031/8" AG
M5 AG
1/8" IG
M6 AG

8mm

2g

210.022.182._



Materialcode

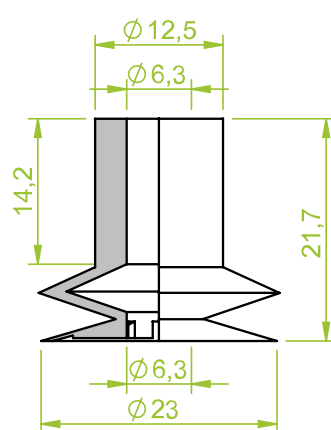
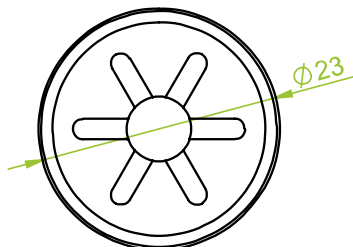
02 Silikon

Halter
*Fitting*Gewinde
*Thread*130.003
130.013
130.015
130.1031/8" AG
M5 AG
1/8" IG
M6 AG

8mm

2g

210.023.014._



Materialcode

02 Silikon

Halter
*Fitting*Gewinde
*Thread*130.110
130.2381/8" IG
1/8" AG

5mm

2.2g

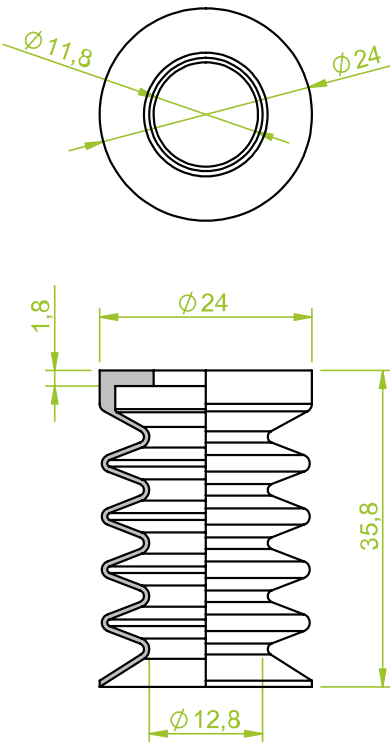
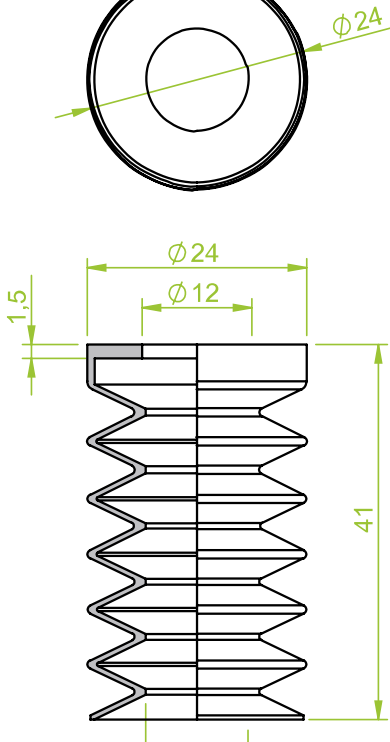




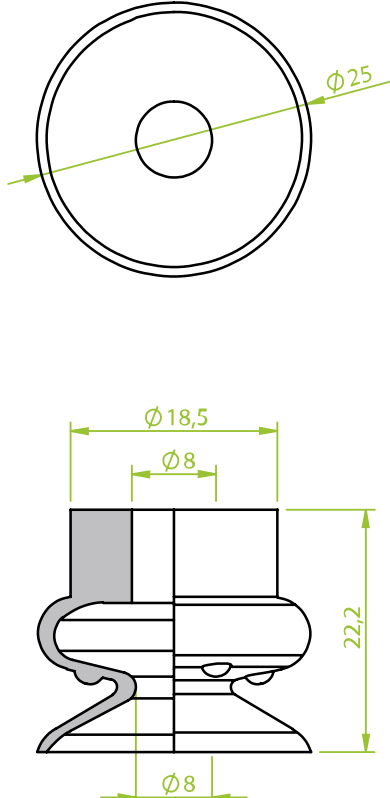
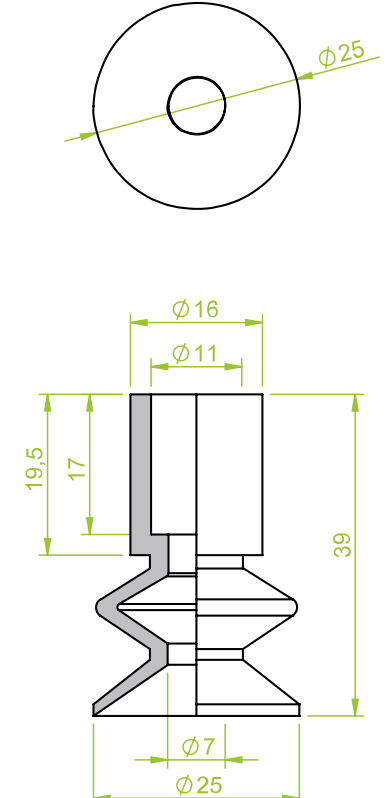




220.023.067._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.112	1/8" AG
130.113	1/4" AG
130.114	1/8" IG
130.178	1/4" IG
12mm	4.2g

220.023.070._	
Materialcode	
V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.097	1/4" AG
130.098	1/4" IG
130.177	M10 AG
130.609	1/4" AG
9mm	3.8g

220.024.068._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.097	1/4" AG
130.098	1/4" IG
10mm	4g

240.024.013._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.233	1/8" IG
20mm	5g

Balgensauger | *Bellow cups*

240.024.029._	Materialcode 12 verstärktes Silikon		250.024.013._		Materialcode 12 verstärktes Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
						
20mm		4.3g	20mm	20mm	1.6g	
210.025.065._	Materialcode 03 NR 05 Polyurethan 02 Silikon 12 verstärktes Silikon		210.025.103._		Materialcode 03 NR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
						
5mm		5.2g	12mm	12mm	5.8g	
130.092	1/8" IG		130.177	M10 AG		
130.093	1/8" AG					
130.099	1/4" AG					
130.248	1/4" IG					
130.249	1/4" AG					

210.025.137._			
		Materialcode	
		04 CR 09 HNBR 03 NR 05 Polyurethan	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.003	1/8" AG		
130.013	M5 AG		
130.103	M6 AG		
130.109	1/8" IG		
9mm	2.4g		

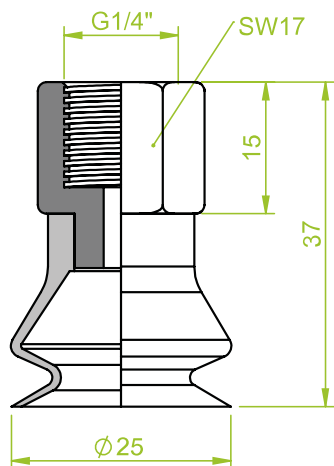
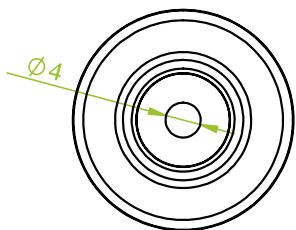
210.025.144._			
		Materialcode	
		03 NR 05 Polyurethan	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.604	M5 AG		
130.605	1/8" AG		
130.606	1/4" AG		
5.5mm	2.5g		

210.025.151._			
		Materialcode	
		09 HNBR 02 Silikon	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.094	M5 AG		
4.5mm	2.7g		

210.025.154._			
		Materialcode	
		V Vinyl	
Halter	Gewinde		
<i>Fitting</i>	<i>Thread</i>		
130.238	1/8" AG		
130.560	M5 AG		
130.566	M5 AG		
130.630	1/8" AG		
mm	0g		

Balgensauger | *Bellow cups*

211.025.010._



Materialcode

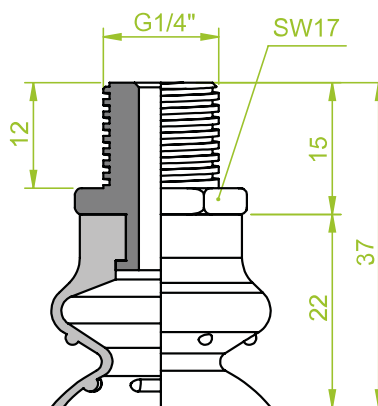
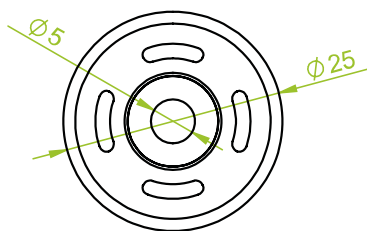
03 NR
05 Polyurethan
02 Silikon
12 verstärktes Silikon

Halter
FittingGewinde
Thread

5mm

5.2g

212.025.002._



Materialcode

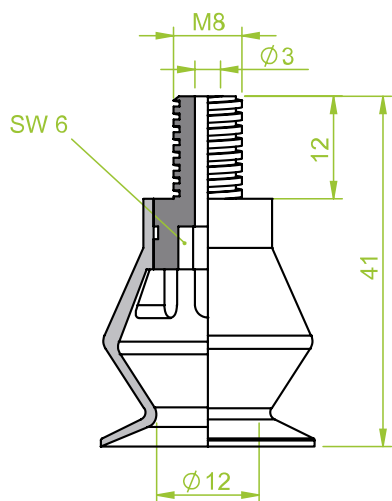
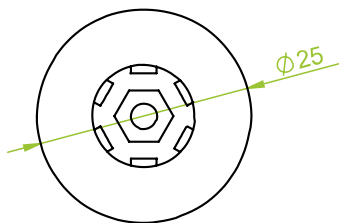
03 NR
05 Polyurethan
02 Silikon
12 verstärktes Silikon

Halter
FittingGewinde
Thread

5mm

5.2g

214.025.005._



Materialcode

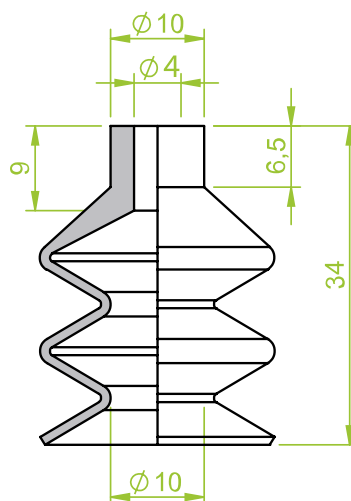
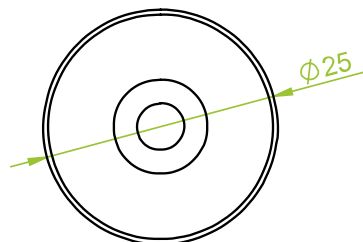
03 NR
02 Silikon

Halter
FittingGewinde
Thread

11mm

13g

220.025.031._



Materialcode

09 HNBR
03 NR
05 Polyurethan
02 Silikon

Halter
FittingGewinde
Thread

130.003 1/8" AG
130.013 M5 AG
130.103 M6 AG
130.109 1/8" IG
130.194 1/4" AG

19mm

3.5g

220.025.069._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.049	1/4" AG		
16mm	6.2g		

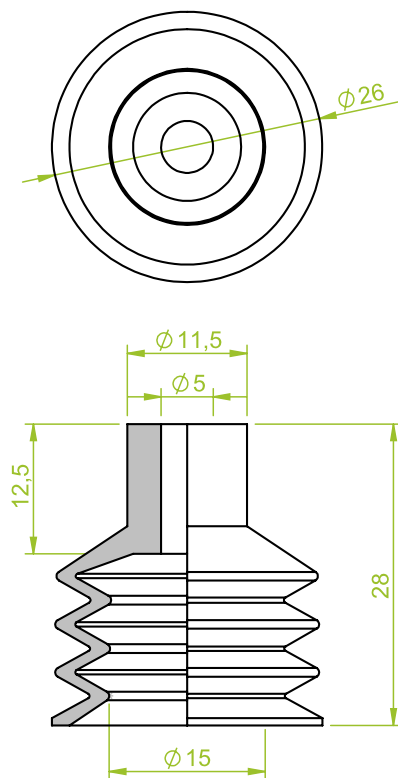
220.025.113._			
		Materialcode	
		09 HNBR 03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.003 130.013 130.103 130.109 130.194 130.275	1/8" AG M5 AG M6 AG 1/8" IG 1/4" AG 1/4" IG		
19mm	4g		

220.025.800._			
		Materialcode	
		05 Polyurethan 20 TPU	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.250 130.291	1/8" AG 1/8" AG		
6.5mm	1.6g		

230.025.001._			
		Materialcode	
		09 HNBR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.003 130.013 130.103 130.109 130.194	1/8" AG M5 AG M6 AG 1/8" IG 1/4" AG		
24mm	5.6g		

Balgensauger | *Bellow cups*

230.025.004._



Materialcode

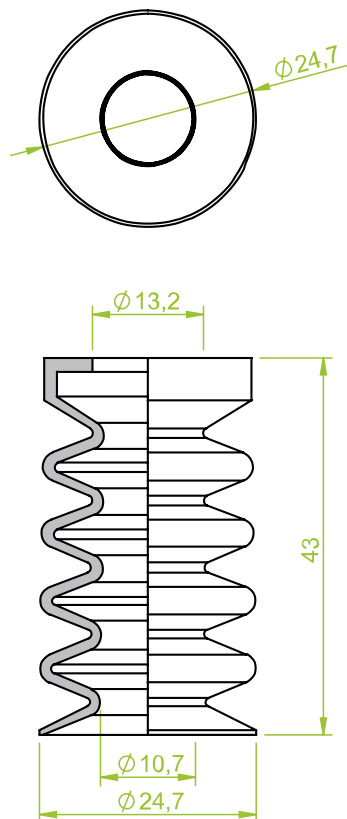
03 NR
02 SilikonHalter
*Fitting*Gewinde
*Thread*130.109 1/8" IG
130.194 1/4" AG
130.238 1/8" AG

9mm



3.6g

240.025.016._



Materialcode

02 Silikon

Halter
*Fitting*Gewinde
Thread

130.182 1/4" IG

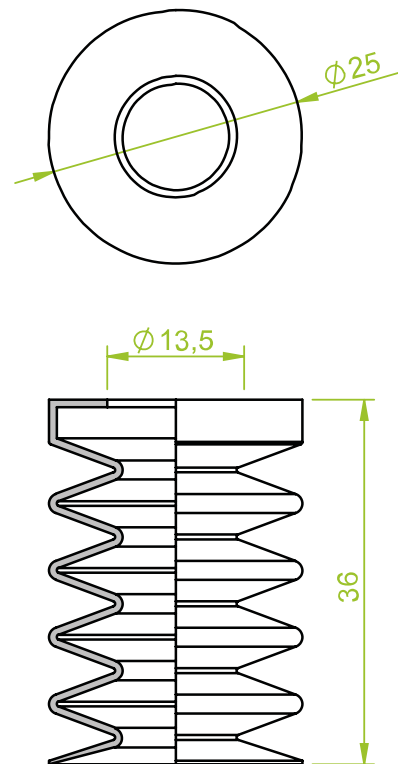


29mm



6.5g

240.025.030._



Materialcode

12 verstärktes Silikon

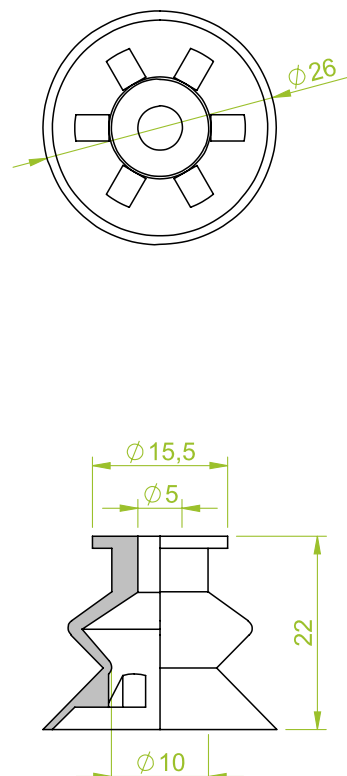
Halter
*Fitting*Gewinde
Thread

29mm



4.5g

210.026.099._



Materialcode

V Vinyl

Halter
*Fitting*Gewinde
*Thread*130.003 1/8" AG
130.005 M5 IG
130.013 M5 AG
130.015 1/8" IG
130.103 M6 AG
130.194 1/4" AG

8mm



3g

220.026.110._										
	Materialcode 05 Polyurethan 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.092</td> <td>1/8" IG</td> </tr> <tr> <td>130.190</td> <td>1/4" AG</td> </tr> <tr> <td>130.192</td> <td>1/4" IG</td> </tr> <tr> <td>130.248</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.092	1/8" IG	130.190	1/4" AG	130.192	1/4" IG	130.248
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.092	1/8" IG									
130.190	1/4" AG									
130.192	1/4" IG									
130.248	1/4" IG									
10mm	7.1g									

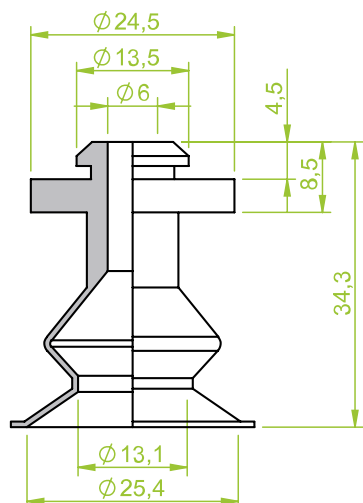
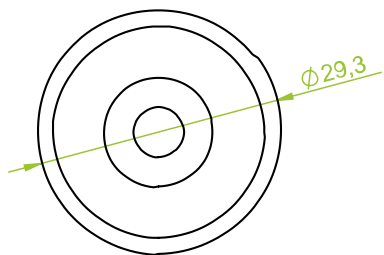
220.026.137._				
	Materialcode 03 NR			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
10mm	6g			

210.027.167._										
	Materialcode 04 CR 09 HNBR 03 NR 05 Polyurethan									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.114</td> <td>1/8" IG</td> </tr> <tr> <td>130.132</td> <td>1/8" AG</td> </tr> <tr> <td>130.190</td> <td>1/4" AG</td> </tr> <tr> <td>130.192</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.114	1/8" IG	130.132	1/8" AG	130.190	1/4" AG	130.192
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.114	1/8" IG									
130.132	1/8" AG									
130.190	1/4" AG									
130.192	1/4" IG									
6mm	4.2g									

210.028.098._								
	Materialcode V Vinyl							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.033	1/8" AG	130.104	M6 AG	130.134
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.033	1/8" AG							
130.104	M6 AG							
130.134	M5 AG							
9mm	3g							

Balgensauger | *Bellow cups*

210.028.164._



Materialcode

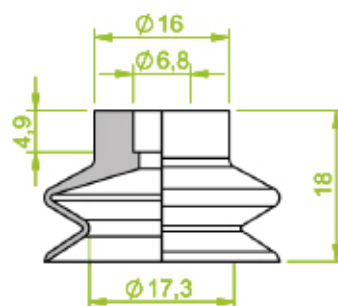
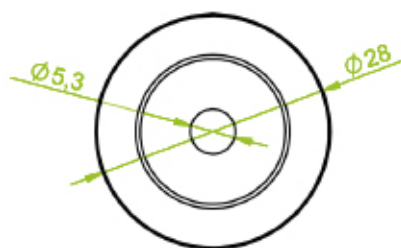
09 HNBR

Halter
FittingGewinde
Thread

10mm

5g

210.028.211._



Materialcode

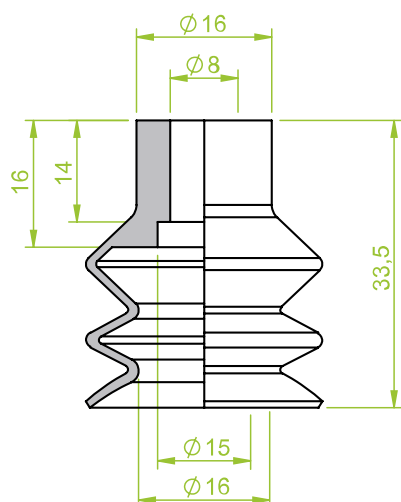
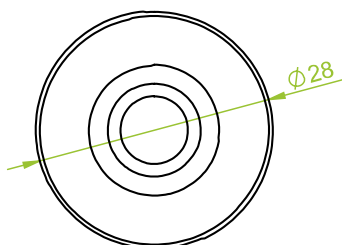
02 Silikon

Halter
FittingGewinde
Thread

7mm

3g

220.028.109._



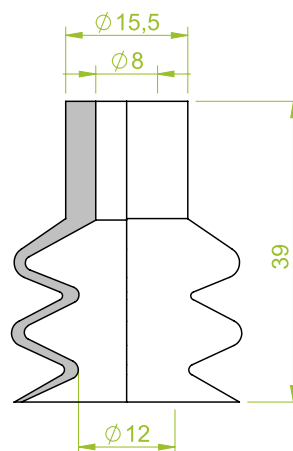
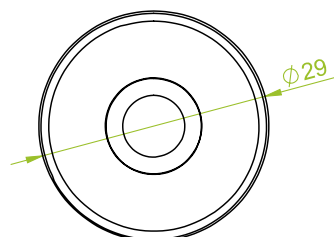
Materialcode

04 CR
09 HNBR
03 NR
05 PolyurethanHalter
FittingGewinde
Thread130.114
130.132
130.190
130.1921/8" IG
1/8" AG
1/4" AG
1/4" IG

14mm

5.1g

220.029.056._



Materialcode

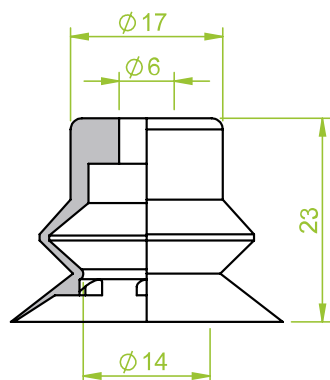
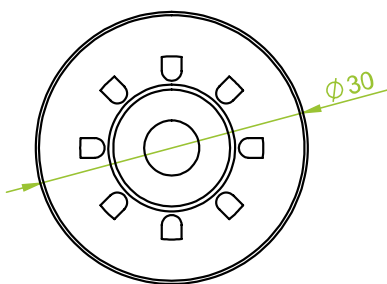
V Vinyl

Halter
FittingGewinde
Thread130.043
130.114
130.132
130.1781/4" AG
1/8" IG
1/8" AG
1/4" IG

12mm

7g

210.030.016._



Materialcode

03 NR
05 Polyurethan
02 Silikon

Halter
Fitting

Gewinde
Thread

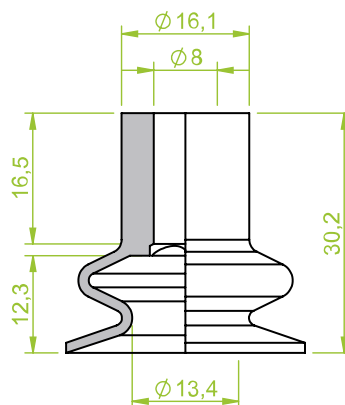
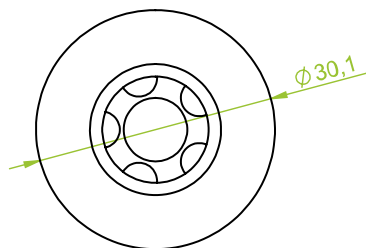
130.247 M8 AG
130.312 M6 AG
130.504 1/4" AG
130.519 1/8" IG
130.520 1/8" AG



9mm

3.2g

210.030.049._



Materialcode

12 verstärktes Silikon

Halter
Fitting

Gewinde
Thread

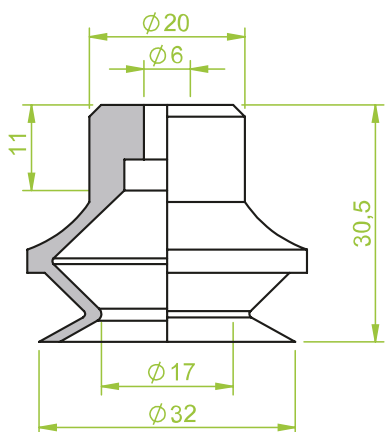
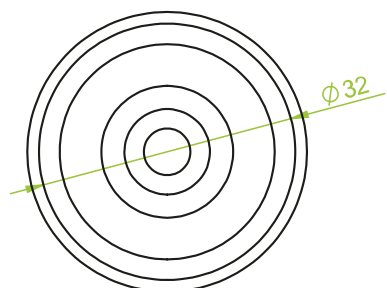
130.114 1/8" IG
130.132 1/8" AG
130.178 1/4" IG
130.208 1/4" AG



11mm

2.9g

210.030.055._



Materialcode

04 CR
09 HNBR
03 NR
05 Polyurethan

Halter
Fitting

Gewinde
Thread

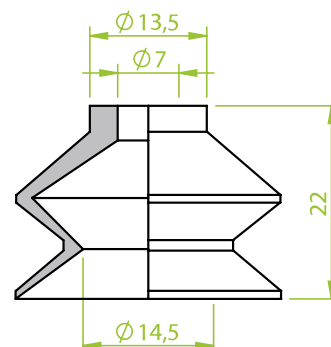
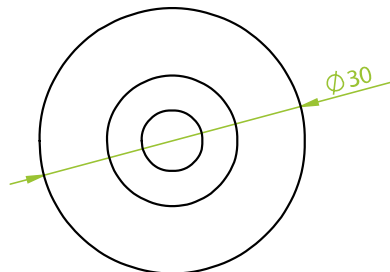
130.019 1/8" IG
130.030 1/8" AG
130.274 1/4" AG
130.275 1/4" IG
130.312 M6 AG
130.538 1/8" AG



9mm

9g

210.030.061._



Materialcode

V Vinyl

Halter
Fitting

Gewinde
Thread

130.019 1/8" IG
130.030 1/8" AG
130.274 1/4" AG
130.275 1/4" IG
130.312 M6 AG
130.604 M5 AG
130.605 1/8" AG
130.606 1/4" AG

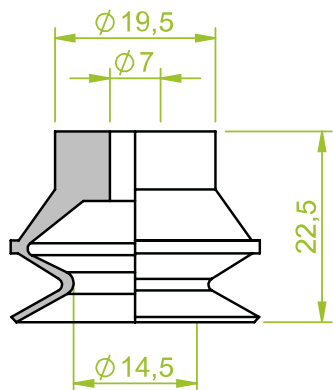
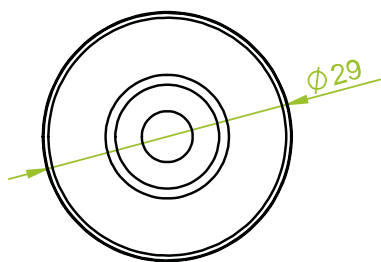


10.5mm

4.7g

Balgensauger | *Bellow cups*

210.030.109._



Materialcode

02 Silikon

Halter
FittingGewinde
Thread

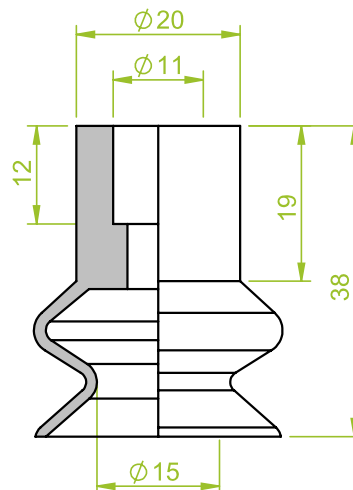
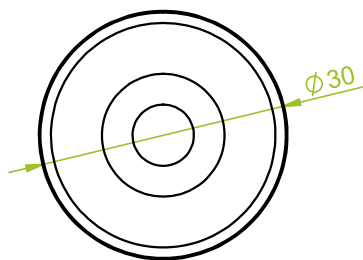
130.019	1/8" IG
130.030	1/8" AG
130.274	1/4" AG
130.275	1/4" IG



10mm

3.4g

210.030.136._



Materialcode

04 CR
02 SilikonHalter
FittingGewinde
Thread

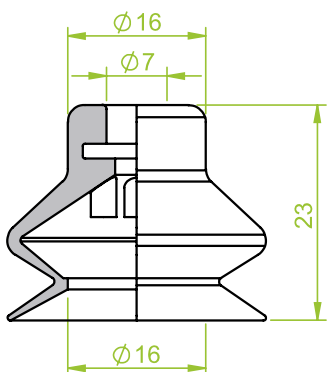
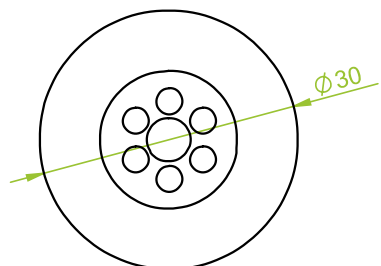
130.097	1/4" AG
130.098	1/4" IG
130.177	M10 AG
130.609	1/4" AG



16mm

8.5g

210.030.146._



Materialcode

03 NR
05 PolyurethanHalter
FittingGewinde
Thread

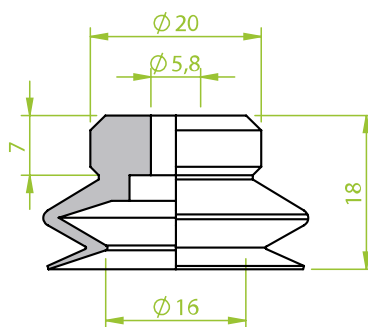
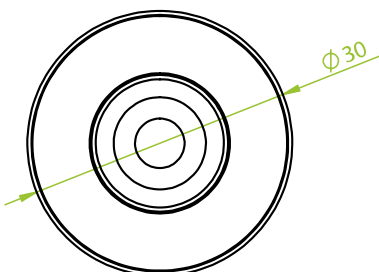
130.604	M5 AG
130.605	1/8" AG
130.606	1/4" AG



10mm

5.2g

210.030.152._



Materialcode

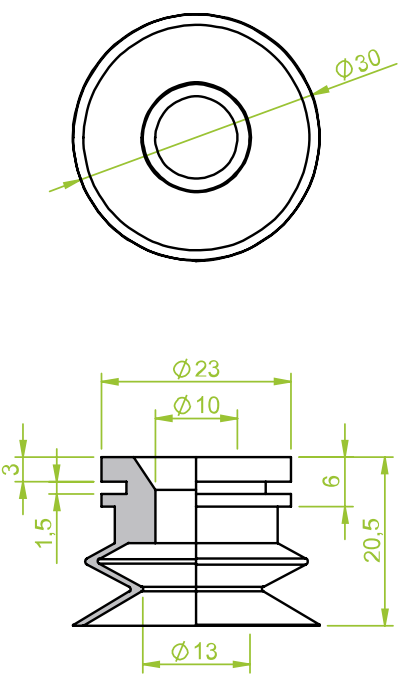


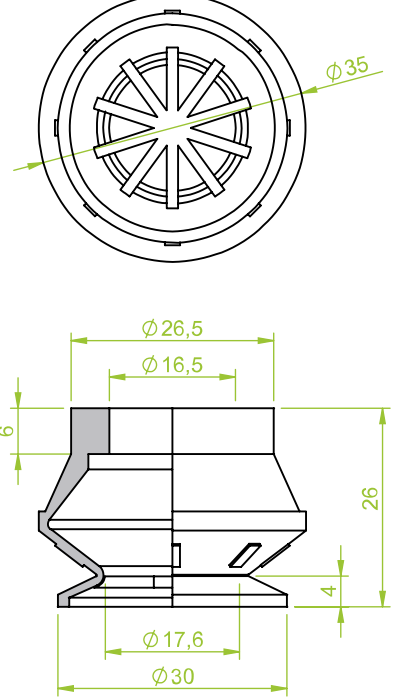


04 CR
06 EPDM
09 HNBR
03 NRHalter
FittingGewinde
Thread

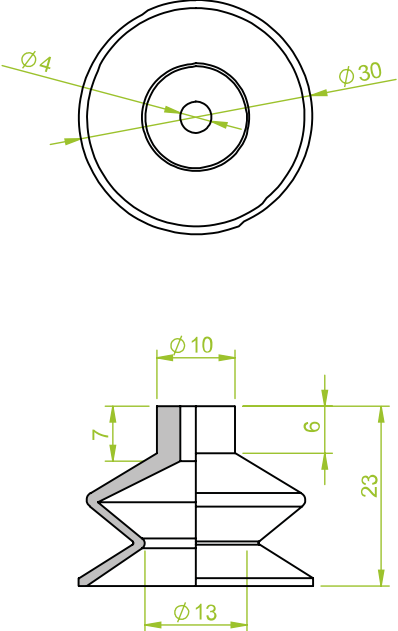


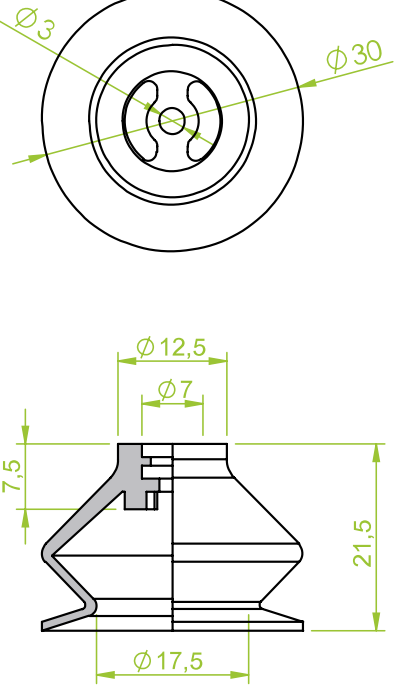


130.019	1/8" IG
130.030	1/8" AG
130.094	M5 AG
130.312	M6 AG



5mm

4.7g

210.030.193._		210.030.198._	
		Materialcode	
		03 NR	
Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
130.518		1/4" AG	
			
7.5mm		5g	
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
130.598		1/4" AG	
			
9.5mm		5.6g	

210.030.213._		210.030.215._	
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
			
13mm		2.7g	
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
130.520		1/8" AG	
			
12.5mm		3.1g	

Balgensauger | *Bellow cups*

210.030.802._

	Materialcode	
	05 Polyurethan 20 TPU	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.030	1/8" AG
	130.251	1/8" IG
	130.293	1/4" AG
	130.295	3/8" AG
	130.501	1/8" IG
	130.549	1/8" AG
	130.902	1/4" AG
	130.903	1/4" IG
	7.5mm	4.5g

213.030.010._

	Materialcode	
	03 NR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	16mm	8.5g

214.030.004._

	Materialcode	
	03 NR 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	9mm	14g

214.030.013._

	Materialcode	
	05 Polyurethan 02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	13mm	7g

220.030.006._																		
	Materialcode 06 EPDM 03 NR 05 Polyurethan 02 Silikon																	
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.092</td> <td>1/8" IG</td> </tr> <tr> <td>130.093</td> <td>1/8" AG</td> </tr> <tr> <td>130.099</td> <td>1/4" AG</td> </tr> <tr> <td>130.114</td> <td>1/8" IG</td> </tr> <tr> <td>130.132</td> <td>1/8" AG</td> </tr> <tr> <td>130.208</td> <td>1/4" AG</td> </tr> <tr> <td>130.248</td> <td>1/4" IG</td> </tr> <tr> <td>130.249</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.092	1/8" IG	130.093	1/8" AG	130.099	1/4" AG	130.114	1/8" IG	130.132	1/8" AG	130.208	1/4" AG	130.248	1/4" IG	130.249
Halter <i>Fitting</i>	Gewinde <i>Thread</i>																	
130.092	1/8" IG																	
130.093	1/8" AG																	
130.099	1/4" AG																	
130.114	1/8" IG																	
130.132	1/8" AG																	
130.208	1/4" AG																	
130.248	1/4" IG																	
130.249	1/4" AG																	
13mm	9.2g																	

220.030.071._												
	Materialcode 02 Silikon 20 TPU											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.097</td> <td>1/4" AG</td> </tr> <tr> <td>130.098</td> <td>1/4" IG</td> </tr> <tr> <td>130.177</td> <td>M10 AG</td> </tr> <tr> <td>130.451</td> <td>1/4" AG</td> </tr> <tr> <td>130.609</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.097	1/4" AG	130.098	1/4" IG	130.177	M10 AG	130.451	1/4" AG	130.609
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.097	1/4" AG											
130.098	1/4" IG											
130.177	M10 AG											
130.451	1/4" AG											
130.609	1/4" AG											
18mm	10g											

220.030.130._				
	Materialcode 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.609</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.609
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.609	1/4" AG			
20mm	6.1g			

220.030.801._												
	Materialcode 05 Polyurethan 20 TPU											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.109</td> <td>1/8" IG</td> </tr> <tr> <td>130.250</td> <td>1/8" AG</td> </tr> <tr> <td>130.291</td> <td>1/8" AG</td> </tr> <tr> <td>130.900</td> <td>1/8" AG</td> </tr> <tr> <td>130.901</td> <td>1/8" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.109	1/8" IG	130.250	1/8" AG	130.291	1/8" AG	130.900	1/8" AG	130.901
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.109	1/8" IG											
130.250	1/8" AG											
130.291	1/8" AG											
130.900	1/8" AG											
130.901	1/8" IG											
11mm	4.4g											

Balgensauger | *Bellow cups*

221.030.006._		Materialcode		222.030.004._		Materialcode	
		06 EPDM 07 FKM 03 NR 05 Polyurethan				06 EPDM 07 FKM 03 NR 05 Polyurethan	
		Halter Fitting	Gewinde Thread			Halter Fitting	Gewinde Thread
13mm		9.2g		13mm		9.2g	
223.030.008._		Materialcode		230.030.023._		Materialcode	
		03 NR 02 Silikon				02 Silikon	
		Halter Fitting	Gewinde Thread			Halter Fitting	Gewinde Thread
18mm		16g		20mm		5.4g	

230.030.027._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.609	1/4" AG		
28mm	7g		

240.030.003._			
		Materialcode	
		04 CR 03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.012 130.251 130.293	1/8" AG 1/8" IG 1/4" AG		
21mm	6g		

240.030.015._			
		Materialcode	
		03 NR	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.043 130.114 130.132 130.178 130.248	1/4" AG 1/8" IG 1/8" AG 1/4" IG 1/4" IG		
27mm	12g		

241.030.002._			
		Materialcode	
		04 CR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
21mm	18g		

Balgensauger | *Bellow cups*

241.030.006._		210.031.101._																											
		Materialcode																											
		02 Silikon																											
<table border="1"> <thead> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <th>Fitting</th> <th>Thread</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>		Halter	Gewinde	Fitting	Thread			<table border="1"> <thead> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <th>Fitting</th> <th>Thread</th> </tr> </thead> <tbody> <tr> <td>130.019</td> <td>1/8" IG</td> </tr> <tr> <td>130.030</td> <td>1/8" AG</td> </tr> <tr> <td>130.034</td> <td>1/4" AG</td> </tr> <tr> <td>130.038</td> <td>1/4" IG</td> </tr> <tr> <td>130.274</td> <td>1/4" AG</td> </tr> <tr> <td>130.275</td> <td>1/4" IG</td> </tr> <tr> <td>130.312</td> <td>M6 AG</td> </tr> <tr> <td>130.628</td> <td>M8 AG</td> </tr> </tbody> </table>		Halter	Gewinde	Fitting	Thread	130.019	1/8" IG	130.030	1/8" AG	130.034	1/4" AG	130.038	1/4" IG	130.274	1/4" AG	130.275	1/4" IG	130.312	M6 AG	130.628	M8 AG
Halter	Gewinde																												
Fitting	Thread																												
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130.628	M8 AG																												
		Materialcode																											
		V Vinyl																											
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Fitting	Thread																												
Halter	Gewinde																												
Fitting	Thread																												
Materialcode		Materialcode																											
03 NR 02 Silikon		02 Silikon																											
<table border="1"> <thead> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <th>Fitting</th> <th>Thread</th> </tr> </thead> <tbody> <tr> <td>130.006</td> <td>1/8" AG</td> </tr> </tbody> </table>		Halter	Gewinde	Fitting	Thread	130.006	1/8" AG	<table border="1"> <thead> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <th>Fitting</th> <th>Thread</th> </tr> </thead> <tbody> <tr> <td>130.030</td> <td>1/8" AG</td> </tr> <tr> <td>130.034</td> <td>1/4" AG</td> </tr> <tr> <td>130.038</td> <td>1/4" IG</td> </tr> <tr> <td>130.628</td> <td>M8 AG</td> </tr> </tbody> </table>		Halter	Gewinde	Fitting	Thread	130.030	1/8" AG	130.034	1/4" AG	130.038	1/4" IG	130.628	M8 AG								
Halter	Gewinde																												
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Halter	Gewinde																												
Fitting	Thread																												
Halter	Gewinde																												
Fitting	Thread																												
7mm 6g		14mm 5.4g																											

220.031.134._			
		Materialcode	
		V Vinyl	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		13mm	9.4g

214.032.020._			
		Materialcode	
		03 NR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		9mm	14g

220.032.003._			
		Materialcode	
		04 CR 06 EPDM 07 FKM 09 HNBR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		13mm	8.3g

220.032.057._			
		Materialcode	
		V Vinyl	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		10mm	6.5g

Balgensauger | *Bellow cups*

220.032.058._	
	Materialcode
	V Vinyl
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.177 130.451 130.452 130.609	M10 AG 1/4" AG 1/4" IG 1/4" AG
14mm	7g

220.032.076._	
	Materialcode
	03 NR 02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.177 130.451 130.452 130.609	M10 AG 1/4" AG 1/4" IG 1/4" AG
13mm	5g

221.032.009._	
	Materialcode
	02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
10mm	16.8g

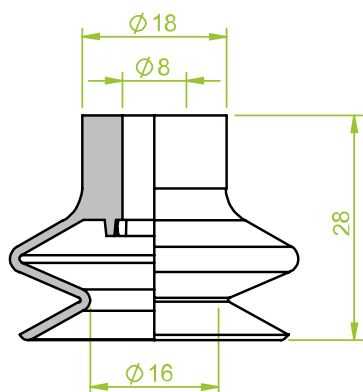
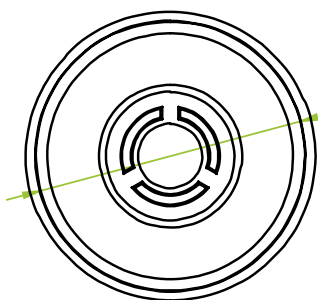
222.032.007._	
	Materialcode
	02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
10mm	18g

230.032.015._		230.032.016._	
	Materialcode		
	03 NR		
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
20mm	7.4g	30mm	7.5g

250.032.012._		210.033.019._	
	Materialcode		
	02 Silikon		
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
36mm	12.9g	04 CR 09 HNBR 05 Polyurethan 02 Silikon 130.135 1/8" AG 130.250 1/8" AG 130.291 1/8" AG 130.507 1/8" AG	9mm 6.5g

Balgensauger | *Bellow cups*

210.033.022._



Materialcode

04 CR
06 EPDM
07 FKM
09 HNBR

Halter
Fitting

Gewinde
Thread

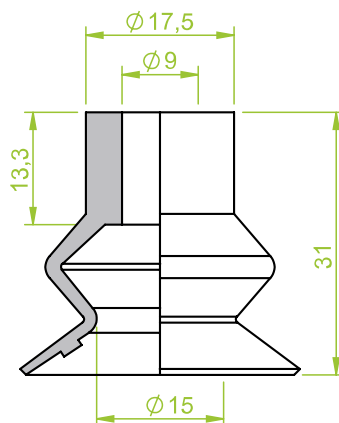
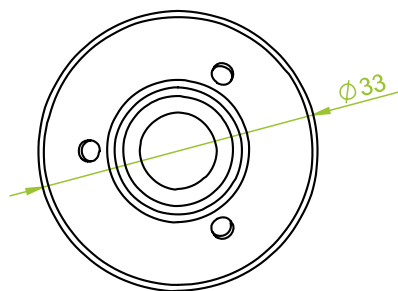
130.114 1/8" IG
130.132 1/8" AG
130.190 1/4" AG
130.192 1/4" IG
130.315 M6 AG



12mm

7g

210.033.179._



Materialcode

Halter
Fitting

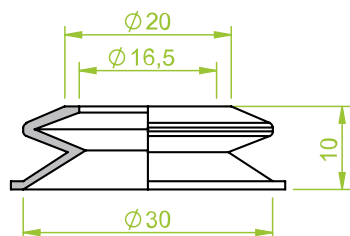
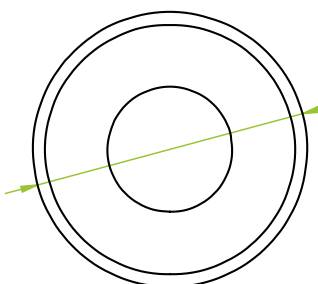
Gewinde
Thread



12mm

6.9g

210.033.194._



Materialcode

02 Silikon

Halter
Fitting

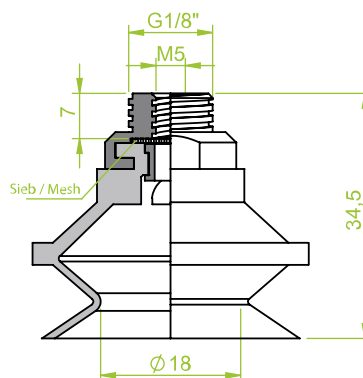
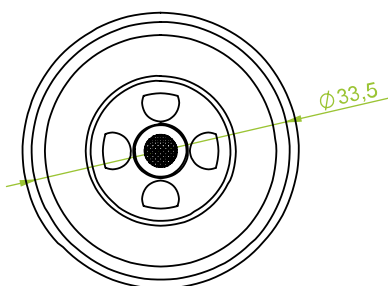
Gewinde
Thread



5mm

1.9g

211.033.003._



Materialcode

09 HNBR
02 Silikon

Halter
Fitting

Gewinde
Thread



9mm

14.5g

211.033.011._								
	Materialcode 04 CR 09 HNBR 05 Polyurethan 02 Silikon							
	<table border="1"> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>9mm</td> <td>6.5g</td> </tr> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			9mm
Halter	Gewinde							
<i>Fitting</i>	<i>Thread</i>							
9mm	6.5g							

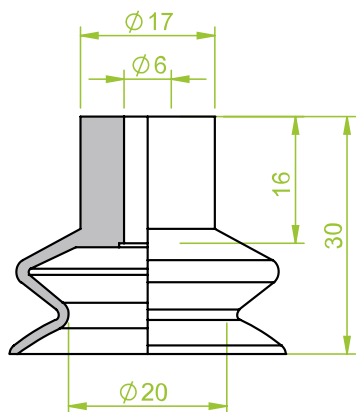
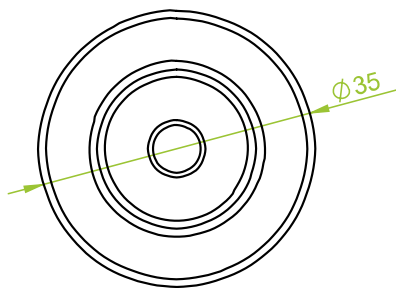
210.034.175._																				
	Materialcode 06 EPDM 07 FKM 09 HNBR 05 Polyurethan																			
	<table border="1"> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>130.136</td> <td>1/8" IG</td> </tr> <tr> <td>130.251</td> <td>1/8" IG</td> </tr> <tr> <td>130.293</td> <td>1/4" AG</td> </tr> <tr> <td>130.528</td> <td>1/4" IG</td> </tr> <tr> <td>130.549</td> <td>1/8" AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>16mm</td> <td>5.4g</td> </tr> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			130.136	1/8" IG	130.251	1/8" IG	130.293	1/4" AG	130.528	1/4" IG	130.549	1/8" AG			16mm
Halter	Gewinde																			
<i>Fitting</i>	<i>Thread</i>																			
130.136	1/8" IG																			
130.251	1/8" IG																			
130.293	1/4" AG																			
130.528	1/4" IG																			
130.549	1/8" AG																			
16mm	5.4g																			

220.034.112._								
	Materialcode 02 Silikon							
	<table border="1"> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>mm</td> <td>0g</td> </tr> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			mm
Halter	Gewinde							
<i>Fitting</i>	<i>Thread</i>							
mm	0g							

210.035.111._												
	Materialcode V Vinyl											
	<table border="1"> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>130.312</td> <td>M6 AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>14mm</td> <td>5g</td> </tr> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			130.312	M6 AG			14mm
Halter	Gewinde											
<i>Fitting</i>	<i>Thread</i>											
130.312	M6 AG											
14mm	5g											

Balgensauger | *Bellow cups*

210.035.112._



Materialcode

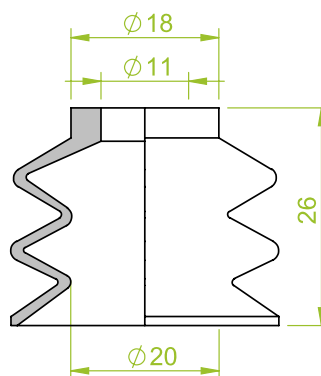
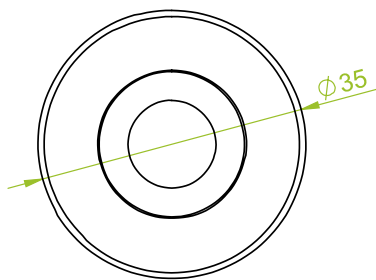
V Vinyl

Halter
FittingGewinde
Thread130.043
130.110
130.2381/4" AG
1/8" IG
1/8" AG

12mm

7g

220.035.077._



Materialcode

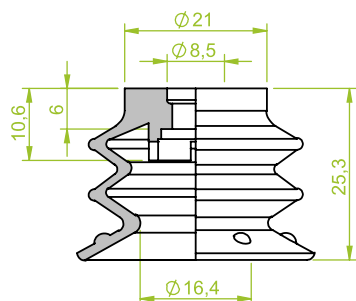
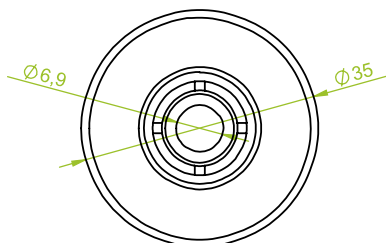
V Vinyl

Halter
FittingGewinde
Thread130.177
130.182
130.183M10 AG
1/4" IG
1/4" AG

13mm

6.4g

220.035.801._



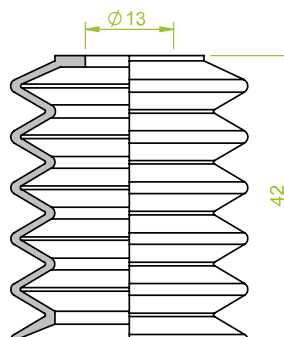
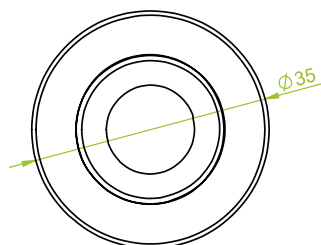
Materialcode

05 Polyurethan
20 TPUHalter
FittingGewinde
Thread130.251
130.293
130.5491/8" IG
1/4" AG
1/8" AG

11mm

4.4g

250.035.005._



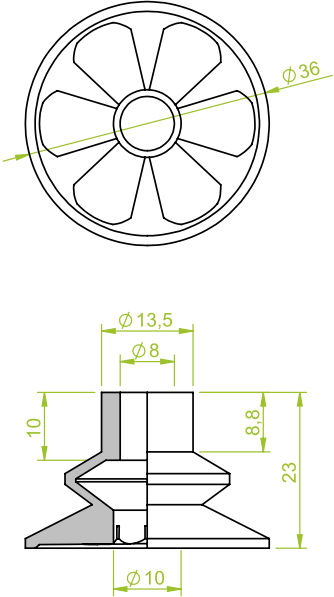

Materialcode

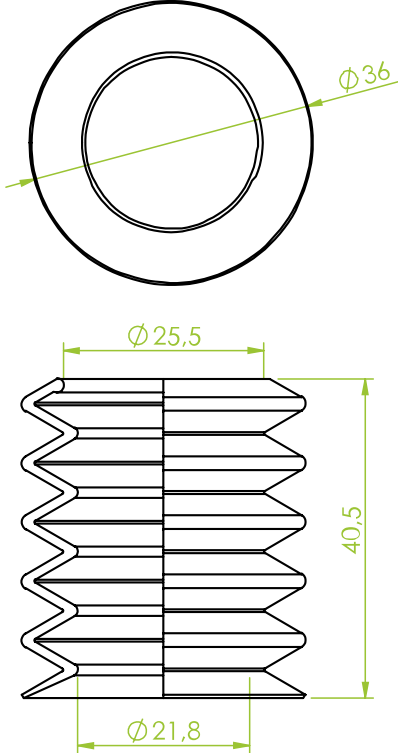

02 Silikon

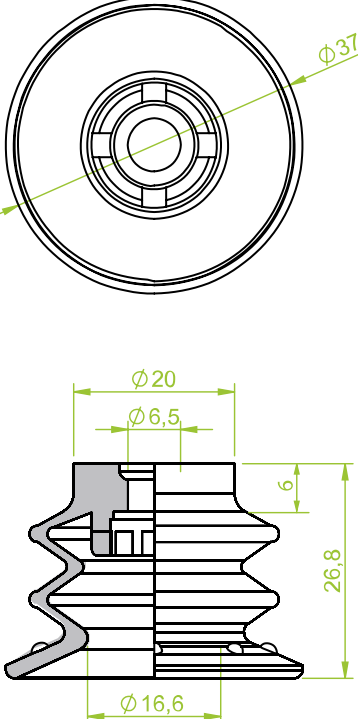

Halter
FittingGewinde
Thread130.182
130.1831/4" IG
1/4" AG

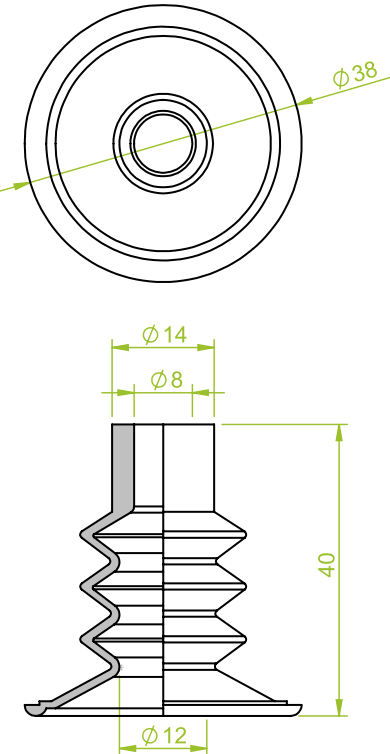

26.5mm

10g

210.036.107._			
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.030	1/8" AG		
130.092	1/8" IG		
130.093	1/8" AG		
130.114	1/8" IG		
130.248	1/4" IG		
130.249	1/4" AG		
			
7mm	4g		

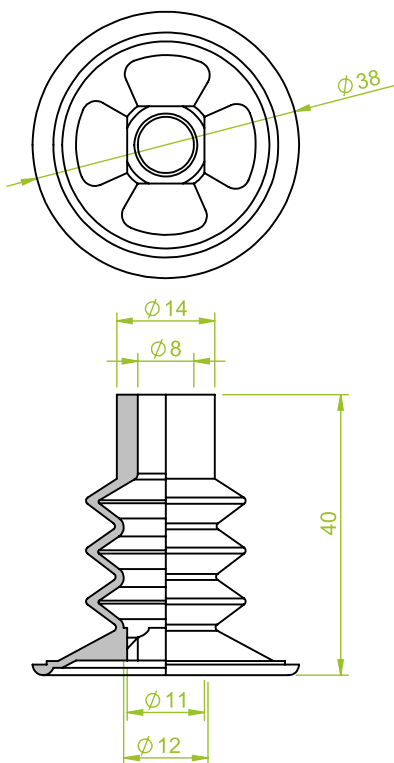
250.036.014._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
			
20mm	16g		

220.037.116._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.012	1/8" AG		
130.540	1/8" AG		
			
12mm	6.9g		

230.038.010._			
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
			
16mm	4g		

Balgensauger | *Bellow cups*

230.038.011._



Materialcode

03 NR
02 SilikonHalter
*Fitting*Gewinde
Thread

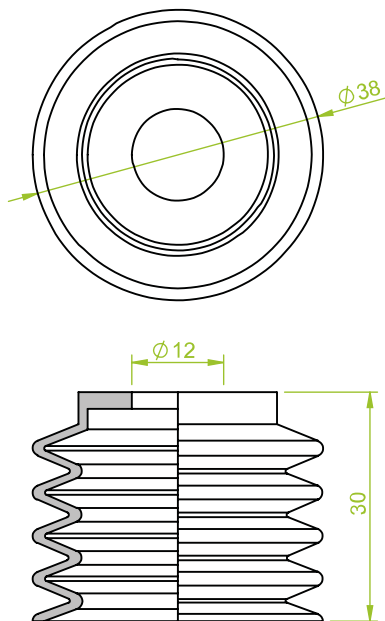
130.019	1/8" IG
130.030	1/8" AG
130.112	1/8" AG
130.113	1/4" AG
130.114	1/8" IG
130.248	1/4" IG
130.249	1/4" AG



16mm

5g

240.038.018._



Materialcode

02 Silikon

Halter
*Fitting*Gewinde
Thread

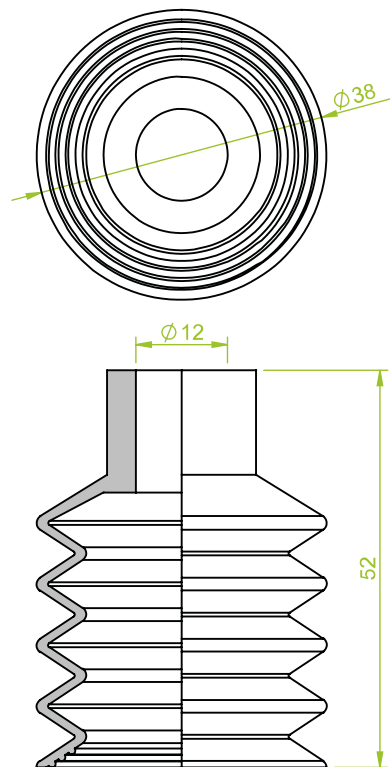
130.182	1/4" IG
130.183	1/4" AG



18mm

7.5g

240.038.019._



Materialcode

03 NR
02 SilikonHalter
*Fitting*Gewinde
Thread

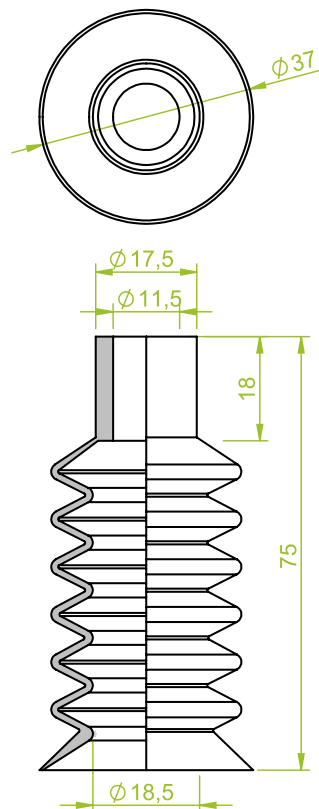
130.049	1/4" AG
---------	---------



23mm

14g

250.038.008._



Materialcode

V Vinyl

Halter
*Fitting*Gewinde
Thread

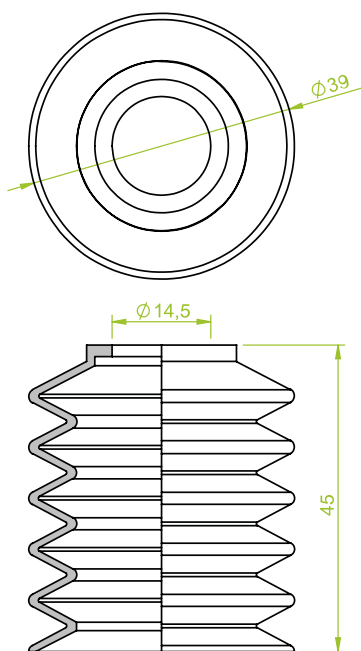
130.049	1/4" AG
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35mm

16g

250.039.009._



Materialcode

02 Silikon

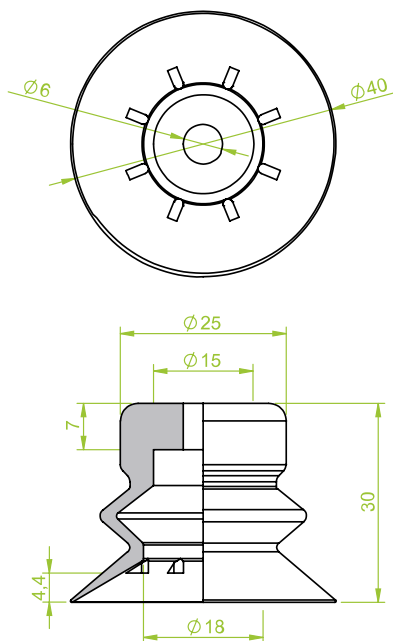
Halter
FittingGewinde
Thread130.182
130.1831/4" IG
1/4" AG

20mm



10g

210.040.038._



Materialcode

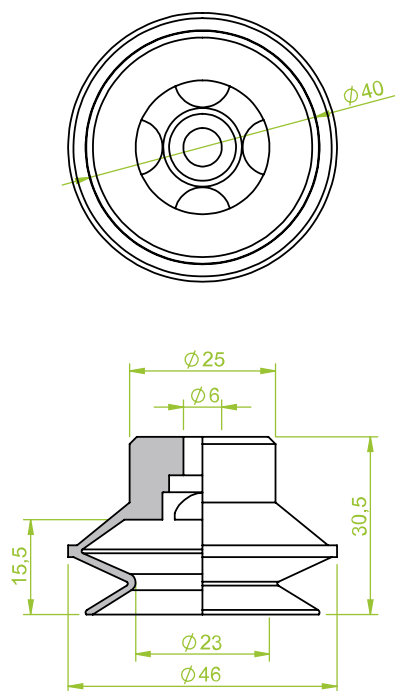
05 Polyurethan
02 SilikonHalter
FittingGewinde
Thread130.312
130.628M6 AG
M8 AG

10mm



9.6g

210.040.056._



Materialcode

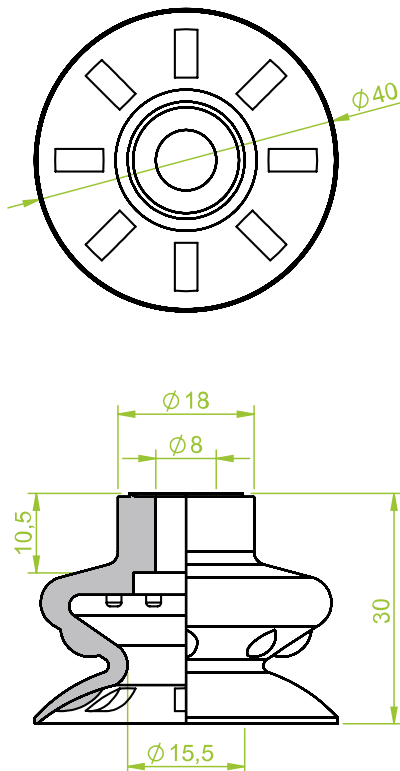
04 CR
09 HNBR
03 NR
05 PolyurethanHalter
FittingGewinde
Thread130.019
130.030
130.274
130.275
130.3121/8" IG
1/8" AG
1/4" AG
1/4" IG
M6 AG

10mm



12g

210.040.066._



Materialcode

06 EPDM
03 NR
05 Polyurethan
02 SilikonHalter
FittingGewinde
Thread130.092
130.093
130.099
130.248
130.2491/8" IG
1/8" AG
1/4" AG
1/4" IG
1/4" AG

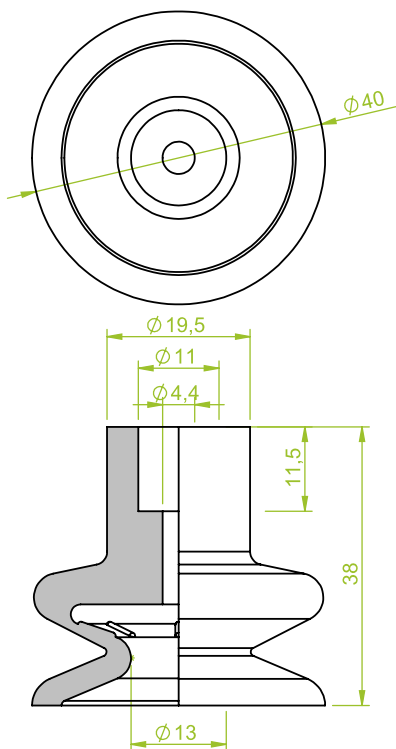
13mm



12.3g

Balgensauger | *Bellow cups*

210.040.113._



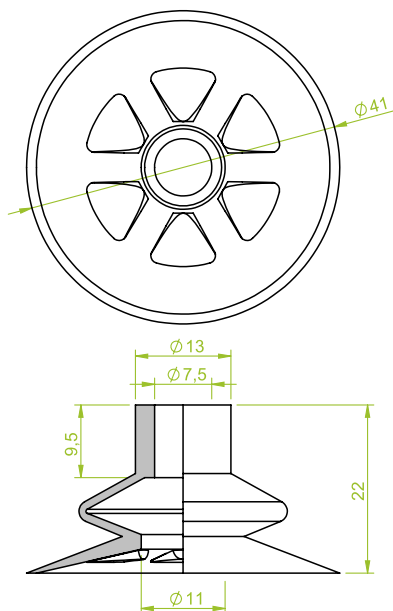
Materialcode

03 NR
02 SilikonHalter
*Fitting*Gewinde
*Thread*130.097 1/4" AG
130.098 1/4" IG
130.609 1/4" AG

7mm

18g

210.040.122._



Materialcode

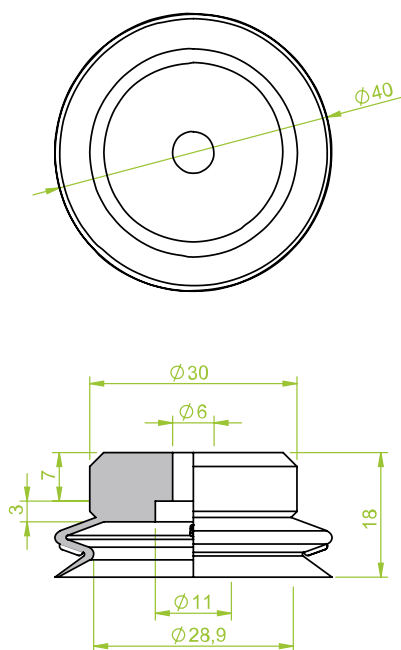
03 NR

Halter
*Fitting*Gewinde
*Thread*130.092 1/8" IG
130.093 1/8" AG
130.248 1/4" IG
130.249 1/4" AG

9mm

4g

210.040.153._



Materialcode

04 CR
09 HNBR
03 NR
05 PolyurethanHalter
*Fitting*Gewinde
Thread

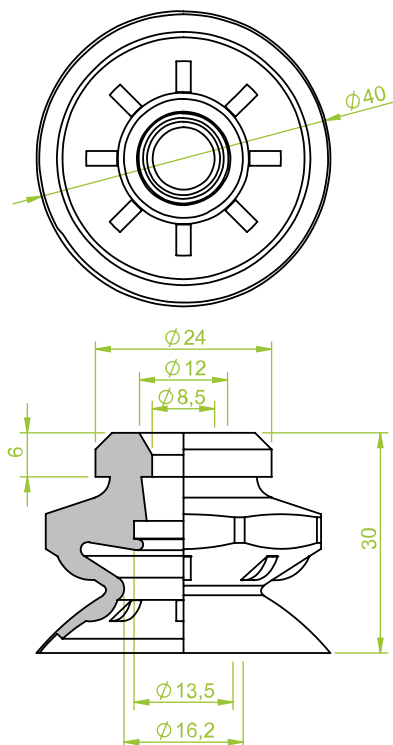
130.538 1/8" AG



5mm

9.8g

210.040.173._



Materialcode

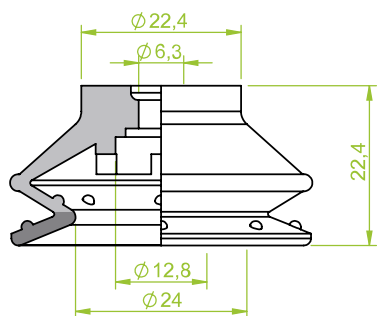
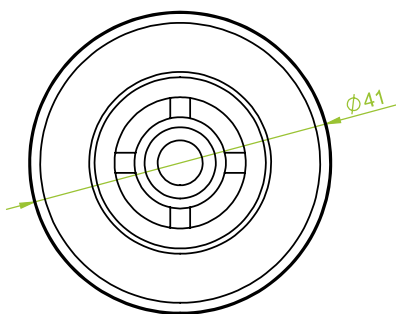
03 NR

Halter
*Fitting*Gewinde
*Thread*130.281 1/4" AG
130.282 1/4" IG
130.510 1/8" AG

10mm

12.5g

210.040.803._



Materialcode

05 Polyurethan
20 TPUHalter
FittingGewinde
Thread

130.251	1/8" IG
130.293	1/4" AG
130.501	1/8" IG
130.549	1/8" AG
130.630	1/8" AG
130.902	1/4" AG
130.903	1/4" IG

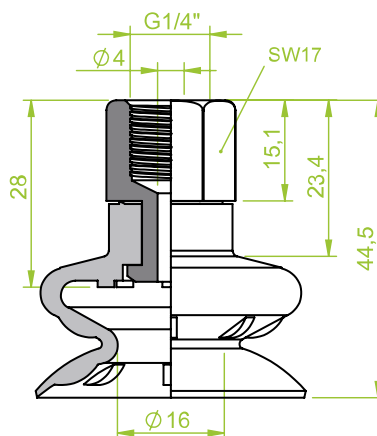
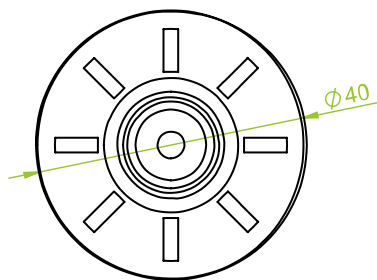


9.3mm



11.7g

211.040.011._



Materialcode

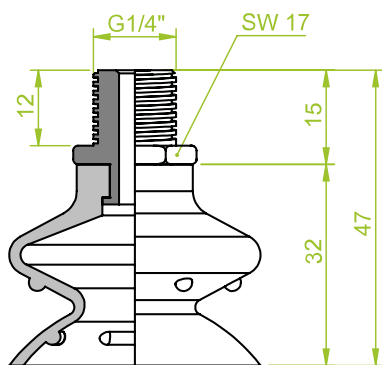
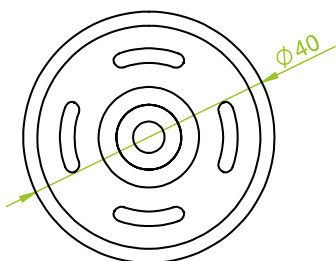
06 EPDM
03 NR
05 Polyurethan
02 SilikonHalter
FittingGewinde
Thread

13mm



12.3g

212.040.003._



Materialcode

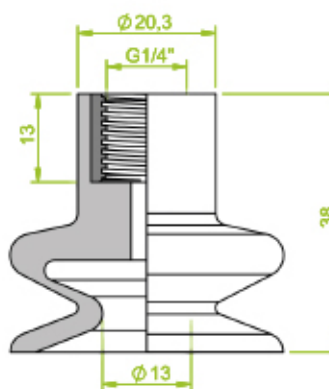
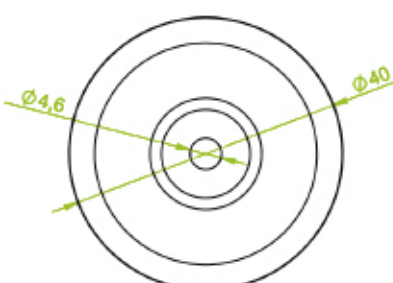
06 EPDM
03 NR
05 Polyurethan
02 SilikonHalter
FittingGewinde
Thread

13mm



12.3g

213.040.011._



Materialcode

03 NR
02 SilikonHalter
FittingGewinde
Thread

7mm



18g

Balgensauger | *Bellow cups*

214.040.014._		220.040.010._	
		Materialcode 05 Polyurethan 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
14mm	36g	Materialcode 06 EPDM 03 NR 05 Polyurethan 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.092 130.093 130.099 130.248 130.249 130.315	1/8" IG 1/8" AG 1/4" AG 1/4" IG 1/4" AG M6 AG
20mm	17.6g	Materialcode 03 NR	
220.040.040._		220.040.079._	
		Materialcode 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
13mm	9.1g	Materialcode 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.097 130.098	1/4" AG 1/4" IG
20mm	14g	Materialcode 02 Silikon	

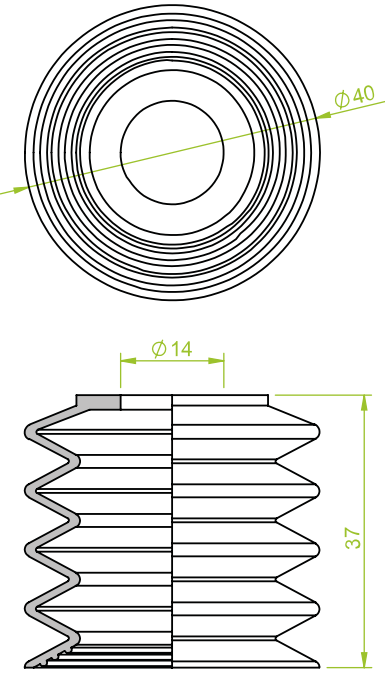






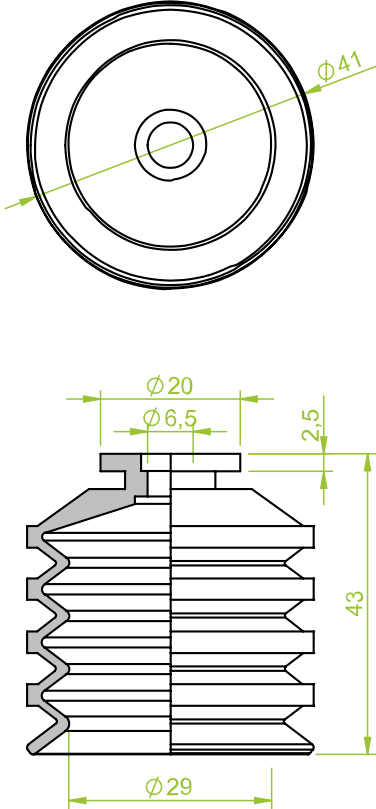






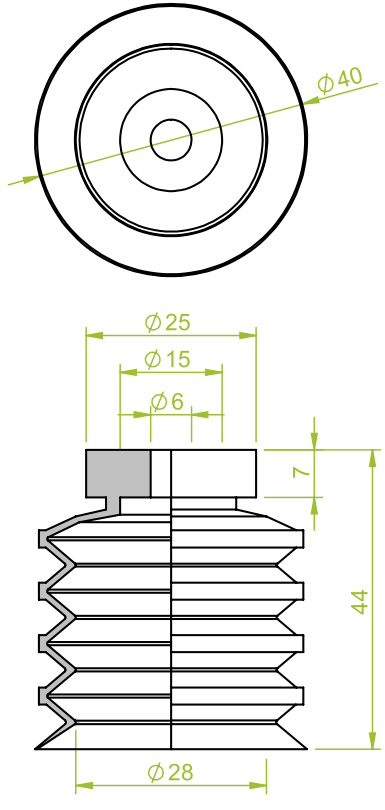






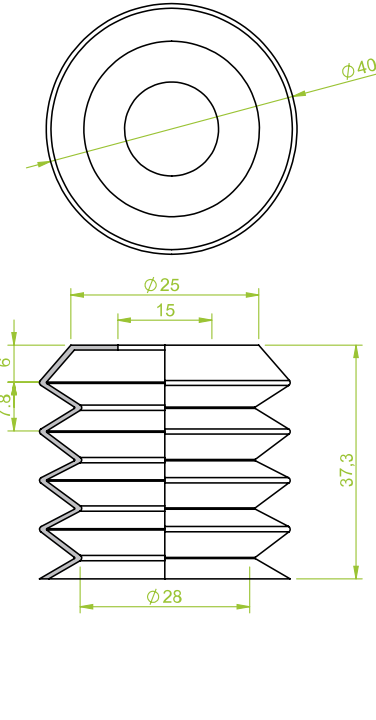






220.040.802._	
Materialcode	
05 Polyurethan 20 TPU	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.251 130.293 130.501 130.549	1/8" IG 1/4" AG 1/8" IG 1/8" AG
14.7mm	10.4g

221.040.007._	
Materialcode	
06 EPDM 09 HNBR 03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
20mm	17.6g

222.040.005._	
Materialcode	
06 EPDM 09 HNBR 03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
20mm	17.6g

223.040.006._	
Materialcode	
03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
16mm	20g

Balgensauger | *Bellow cups*

<p>240.040.001._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td>130.182</td> <td>1/4" IG</td> </tr> <tr> <td>130.183</td> <td>1/4" AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>24mm</td> <td>7g</td> </tr> </tbody> </table>	Materialcode		02 Silikon		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.182	1/4" IG	130.183	1/4" AG			24mm	7g				
Materialcode																			
02 Silikon																			
Halter <i>Fitting</i>	Gewinde <i>Thread</i>																		
130.182	1/4" IG																		
130.183	1/4" AG																		
																			
24mm	7g																		
<p>240.040.004._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">04 CR 02 Silikon</td> </tr> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td>130.136</td> <td>1/8" IG</td> </tr> <tr> <td>130.251</td> <td>1/8" IG</td> </tr> <tr> <td>130.274</td> <td>1/4" AG</td> </tr> <tr> <td>130.293</td> <td>1/4" AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>20mm</td> <td>15g</td> </tr> </tbody> </table>	Materialcode		04 CR 02 Silikon		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.136	1/8" IG	130.251	1/8" IG	130.274	1/4" AG	130.293	1/4" AG			20mm	15g
Materialcode																			
04 CR 02 Silikon																			
Halter <i>Fitting</i>	Gewinde <i>Thread</i>																		
130.136	1/8" IG																		
130.251	1/8" IG																		
130.274	1/4" AG																		
130.293	1/4" AG																		
																			
20mm	15g																		
<p>240.040.021._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td>130.628</td> <td>M8 AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>21mm</td> <td>14g</td> </tr> </tbody> </table>	Materialcode		02 Silikon		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.628	M8 AG			21mm	14g						
Materialcode																			
02 Silikon																			
Halter <i>Fitting</i>	Gewinde <i>Thread</i>																		
130.628	M8 AG																		
																			
21mm	14g																		
<p>240.040.022._</p> 	<table border="1"> <thead> <tr> <th colspan="2">Materialcode</th> </tr> </thead> <tbody> <tr> <td colspan="2">02 Silikon 12 verstärktes Silikon</td> </tr> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td>130.109</td> <td>1/8" IG</td> </tr> <tr> <td>130.182</td> <td>1/4" IG</td> </tr> <tr> <td>130.183</td> <td>1/4" AG</td> </tr> <tr> <td>130.238</td> <td>1/8" AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>26mm</td> <td>7.1g</td> </tr> </tbody> </table>	Materialcode		02 Silikon 12 verstärktes Silikon		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.109	1/8" IG	130.182	1/4" IG	130.183	1/4" AG	130.238	1/8" AG			26mm	7.1g
Materialcode																			
02 Silikon 12 verstärktes Silikon																			
Halter <i>Fitting</i>	Gewinde <i>Thread</i>																		
130.109	1/8" IG																		
130.182	1/4" IG																		
130.183	1/4" AG																		
130.238	1/8" AG																		
																			
26mm	7.1g																		

241.040.003._	
Halter	Gewinde
<i>Fitting</i>	<i>Thread</i>
20mm	36g

241.040.007._	
Halter	Gewinde
<i>Fitting</i>	<i>Thread</i>
20mm	15g

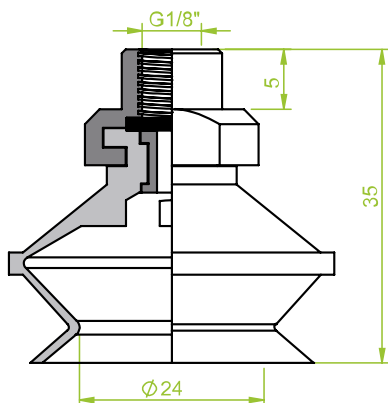
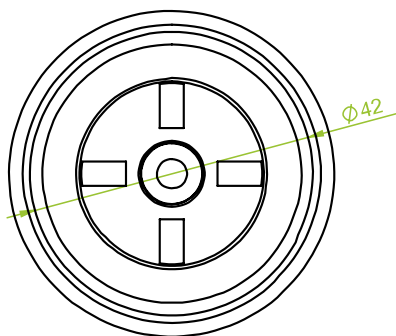
250.040.010._	
Halter	Gewinde
<i>Fitting</i>	<i>Thread</i>
40mm	18g

210.041.108._	
Halter	Gewinde
<i>Fitting</i>	<i>Thread</i>
7mm	5g

Balgensauger | *Bellow cups*

240.041.031._		210.042.020._	
		Materialcode 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.012 1/8" AG 130.294 1/4" AG 130.296 3/8" AG 130.600 3/8" AG 130.609 1/4" AG		Materialcode 03 NR 05 Polyurethan 02 Silikon	
16mm	9g	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		Materialcode 03 NR 05 Polyurethan 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.093 1/8" AG 130.136 1/8" IG 130.251 1/8" IG 130.293 1/4" AG		Materialcode 03 NR	
9mm	10g	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		Materialcode 03 NR 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.182 1/4" IG		Materialcode 03 NR	
11mm	3g	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		Materialcode 03 NR	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.097 1/4" AG 130.098 1/4" IG 130.181 1/8" AG		Materialcode 03 NR	
14mm	12g	Halter <i>Fitting</i>	Gewinde <i>Thread</i>

211.042.004._



Materialcode

04 CR
09 HNBR
03 NR
05 Polyurethan

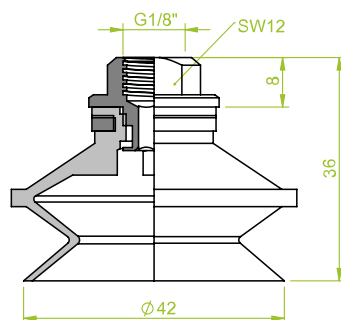
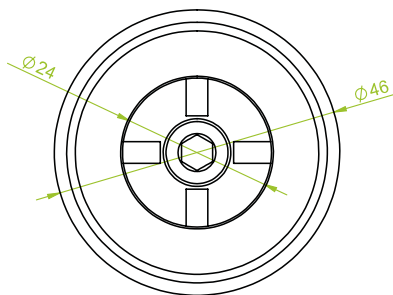
Halter
FittingGewinde
Thread

9mm



28g

211.042.012._



Materialcode

04 CR
09 HNBR
03 NR
05 Polyurethan

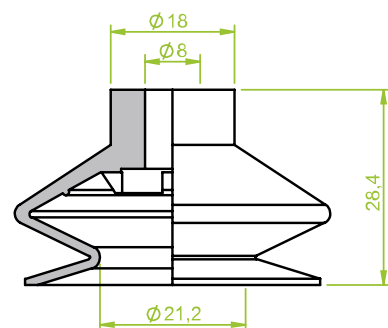
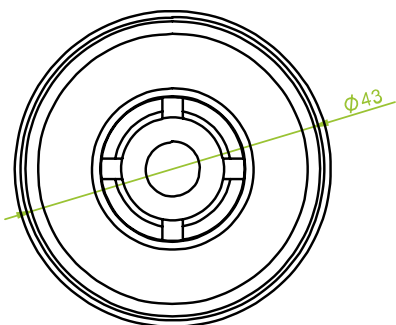
Halter
FittingGewinde
Thread

9mm



10g

210.043.005._



Materialcode

04 CR
07 FKM
09 HNBR
03 NR

Halter
FittingGewinde
Thread

130.092 1/8" IG
130.114 1/8" IG
130.132 1/8" AG
130.190 1/4" AG
130.192 1/4" IG
130.315 M6 AG

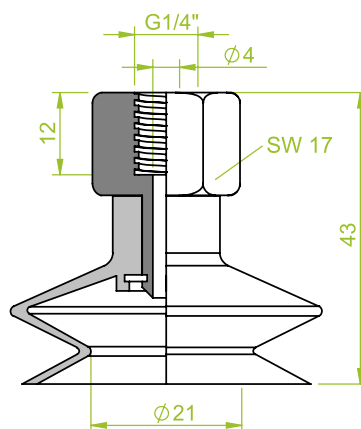
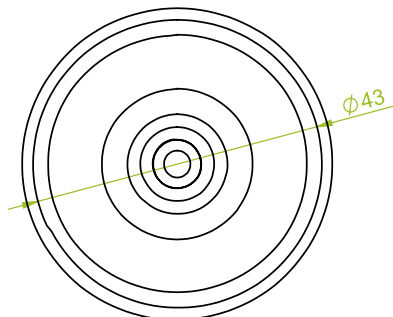


12mm



10g

211.043.014._



Materialcode

02 Silikon

Halter
FittingGewinde
Thread

9mm



20g

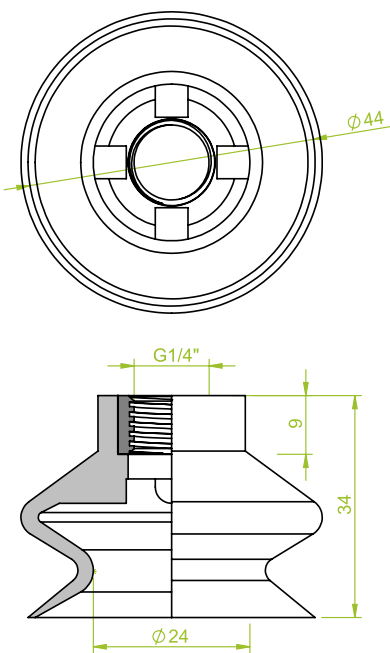
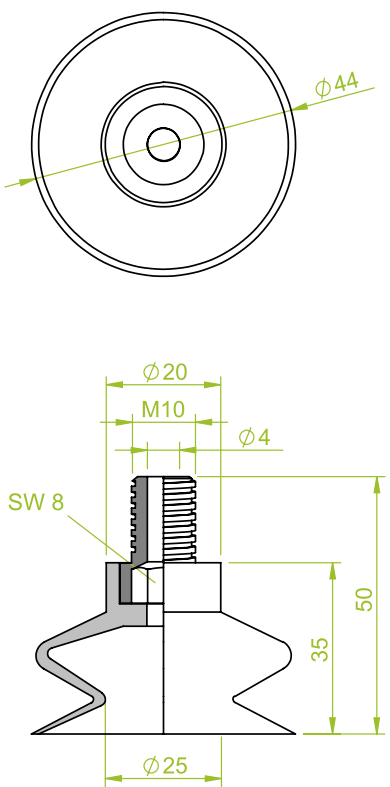
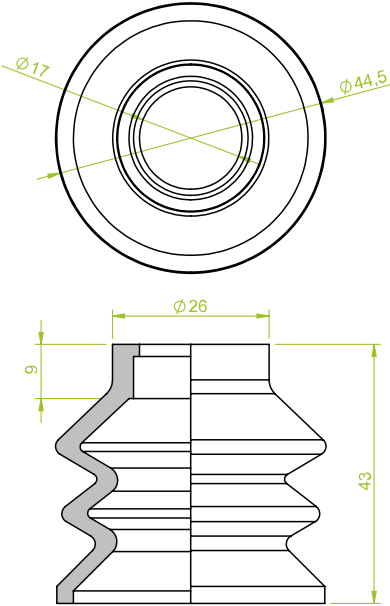
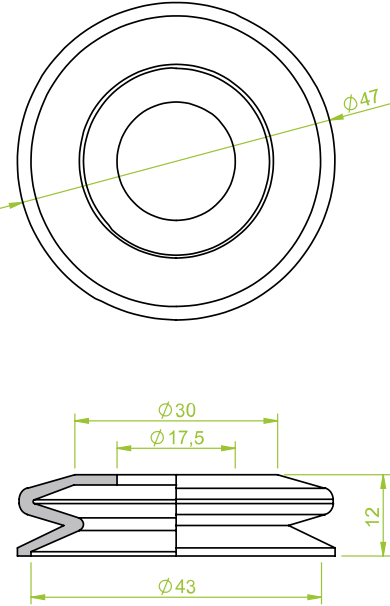


Balgensauger | Bellow cups

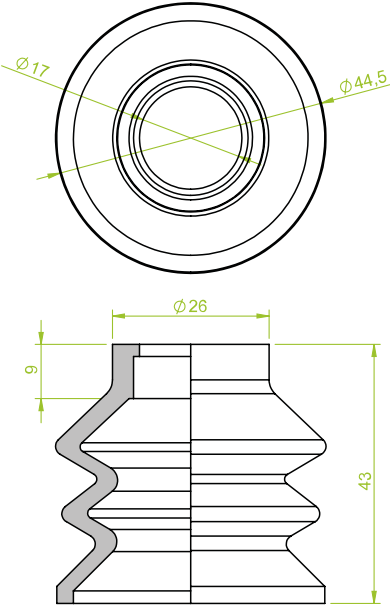
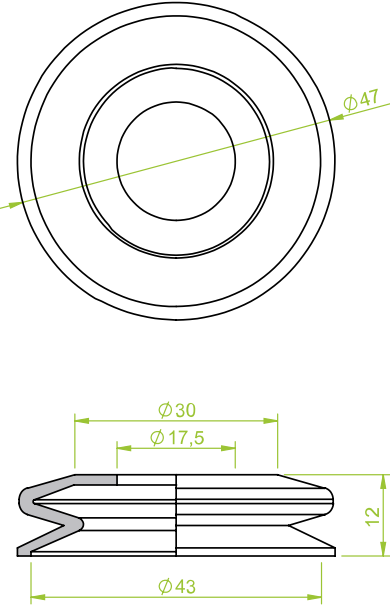


212.043.005._													
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Materialcode													
02 Silikon													
Halter	Gewinde												
<i>Fitting</i>	<i>Thread</i>												
9mm	18g												

220.043.004._															
		<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">04 CR 09 HNBR 03 NR 05 Polyurethan</td> </tr> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>130.114 130.132 130.190 130.192 130.315</td> <td>1/8" IG 1/8" AG 1/4" AG 1/4" IG M6 AG</td> </tr> <tr> <td>19mm</td> <td>18g</td> </tr> </table>		Materialcode		04 CR 09 HNBR 03 NR 05 Polyurethan		Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			130.114 130.132 130.190 130.192 130.315	1/8" IG 1/8" AG 1/4" AG 1/4" IG M6 AG
Materialcode															
04 CR 09 HNBR 03 NR 05 Polyurethan															
Halter	Gewinde														
<i>Fitting</i>	<i>Thread</i>														
130.114 130.132 130.190 130.192 130.315	1/8" IG 1/8" AG 1/4" AG 1/4" IG M6 AG														
19mm	18g														

210.044.058._													
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Materialcode													
02 Silikon													
Halter	Gewinde												
<i>Fitting</i>	<i>Thread</i>												
15mm	9.6g												

210.044.121._													
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Materialcode													
09 HNBR													
Halter	Gewinde												
<i>Fitting</i>	<i>Thread</i>												
17.5mm	13g												

213.044.008._		214.044.001._	
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		Materialcode	
		V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		Materialcode	
		03 NR V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
15mm	15g	14mm	25g

220.045.103._		210.046.174._	
		Materialcode	
		V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		Materialcode	
		03 NR V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			

Balgensauger | *Bellow cups*

220.048.095._		210.050.032._	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
25mm		33g	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.137	1/8" IG
		130.252	1/8" IG
		130.294	1/4" AG
		130.296	3/8" AG
		12mm	22g
210.050.039._		210.050.057._	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.256	M8 AG
10mm		12.8g	
		Materialcode	
		04 CR 09 HNBR 03 NR 05 Polyurethan	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.012	1/8" AG
		130.314	M6 AG
		10mm	22.3g

210.050.115._																		
	Materialcode 04 CR 03 NR 05 Polyurethan 02 Silikon																	
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.137</td> <td>1/8" IG</td> </tr> <tr> <td>130.177</td> <td>M10 AG</td> </tr> <tr> <td>130.190</td> <td>1/4" AG</td> </tr> <tr> <td>130.192</td> <td>1/4" IG</td> </tr> <tr> <td>130.244</td> <td>M5 AG</td> </tr> <tr> <td>130.252</td> <td>1/8" IG</td> </tr> <tr> <td>130.294</td> <td>1/4" AG</td> </tr> <tr> <td>130.296</td> <td>3/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.137	1/8" IG	130.177	M10 AG	130.190	1/4" AG	130.192	1/4" IG	130.244	M5 AG	130.252	1/8" IG	130.294	1/4" AG	130.296
Halter <i>Fitting</i>	Gewinde <i>Thread</i>																	
130.137	1/8" IG																	
130.177	M10 AG																	
130.190	1/4" AG																	
130.192	1/4" IG																	
130.244	M5 AG																	
130.252	1/8" IG																	
130.294	1/4" AG																	
130.296	3/8" AG																	
11mm	20g																	

210.050.116._												
	Materialcode 02 Silikon											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.092</td> <td>1/8" IG</td> </tr> <tr> <td>130.093</td> <td>1/8" AG</td> </tr> <tr> <td>130.248</td> <td>1/4" IG</td> </tr> <tr> <td>130.249</td> <td>1/4" AG</td> </tr> <tr> <td>130.315</td> <td>M6 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.092	1/8" IG	130.093	1/8" AG	130.248	1/4" IG	130.249	1/4" AG	130.315
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.092	1/8" IG											
130.093	1/8" AG											
130.248	1/4" IG											
130.249	1/4" AG											
130.315	M6 AG											
10mm	19g											

210.050.117._				
	Materialcode 03 NR 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.609</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.609
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.609	1/4" AG			
12mm	18g			

210.050.118._						
	Materialcode 03 NR					
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.132</td> <td>1/8" AG</td> </tr> <tr> <td>130.614</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.132	1/8" AG	130.614
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.132	1/8" AG					
130.614	1/4" AG					
10mm	20g					

Balgensauger | *Bellow cups*

210.050.119._		Materialcode		210.050.221._		Materialcode	
		05 Polyurethan 02 Silikon				02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>			Halter <i>Fitting</i>	Gewinde <i>Thread</i>
				130.012 1/8" AG 130.020 1/8" IG 130.315 M6 AG 130.518 1/4" AG			
8mm		12.6g		mm		23g	
210.050.804._		Materialcode		211.050.005._		Materialcode	
		05 Polyurethan 20 TPU				02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>			Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.252 1/8" IG 130.294 1/4" AG 130.296 3/8" AG 130.904 3/8" AG 130.905 3/8" IG 130.908 1/4" AG 130.909 1/4" IG					
14.4mm		20.5g		12mm		54g	

213.050.012._													
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Materialcode													
03 NR 02 Silikon													
Halter <i>Fitting</i>	Gewinde <i>Thread</i>												
12mm	21g												

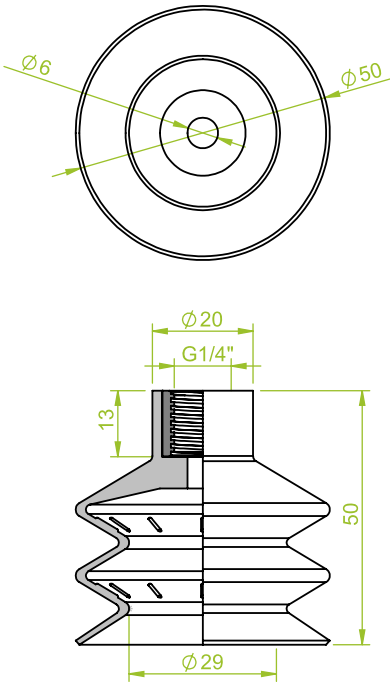
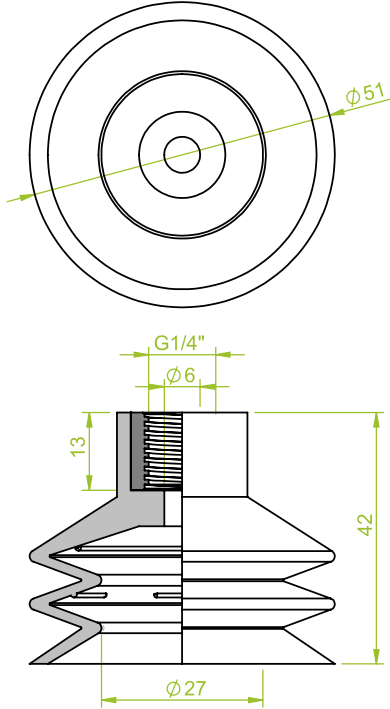
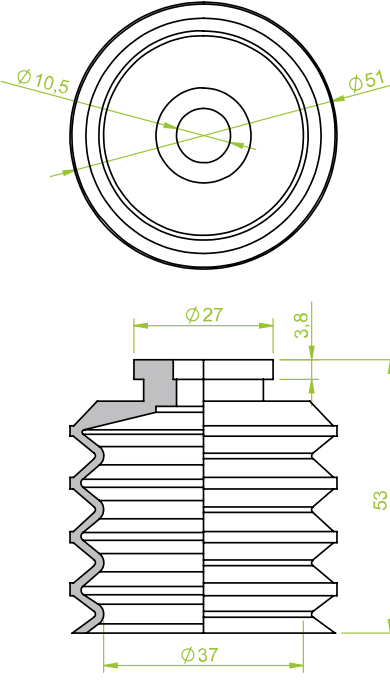
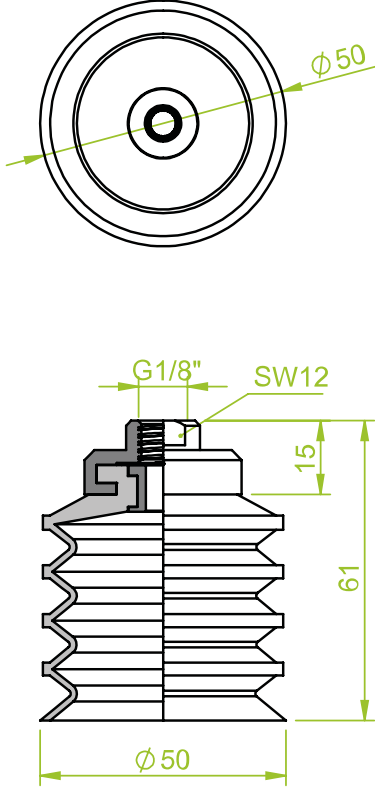


220.050.038._													
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Materialcode													
03 NR 02 Silikon													
Halter <i>Fitting</i>	Gewinde <i>Thread</i>												
18mm	20g												

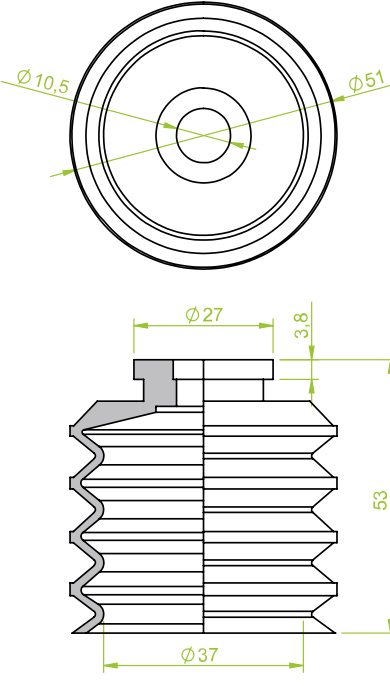


220.050.081._													
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Materialcode													
V Vinyl													
Halter <i>Fitting</i>	Gewinde <i>Thread</i>												
15mm	20g												

220.050.082._													
		<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">03 NR 02 Silikon</td> </tr> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>8mm</td> <td>30g</td> </tr> </table>		Materialcode		03 NR 02 Silikon		Halter <i>Fitting</i>	Gewinde <i>Thread</i>				
Materialcode													
03 NR 02 Silikon													
Halter <i>Fitting</i>	Gewinde <i>Thread</i>												
8mm	30g												

Balgensauger | *Bellow cups*

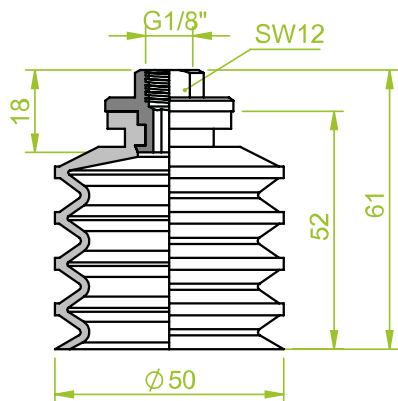
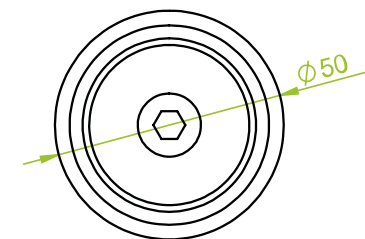
220.050.083._		220.050.084._			
	Materialcode				
	V Vinyl			Materialcode	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.097 130.098 130.609	1/4" AG 1/4" IG 1/4" AG		130.049 130.609	1/4" AG 1/4" AG
20mm	20g	25mm	20g		
220.050.120._		220.050.803._			
	Materialcode				
	02 Silikon			Materialcode	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.616	1/2" AG		130.252 130.294 130.296 130.908 130.909	1/8" IG 1/4" AG 3/8" AG 1/4" AG 1/4" IG
13mm	12g	20mm	20g		

223.050.001._		223.050.009._	
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		Materialcode	
		04 CR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		Materialcode	
		04 CR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
18mm	30g	8mm	30g

240.050.005._		241.050.004._	
		Materialcode	
		04 CR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.252 1/8" IG 130.294 1/4" AG 130.296 3/8" AG		Materialcode	
			
25mm	25g	25mm	37g

Balgensauger | *Bellow cups*

241.050.008._



Materialcode

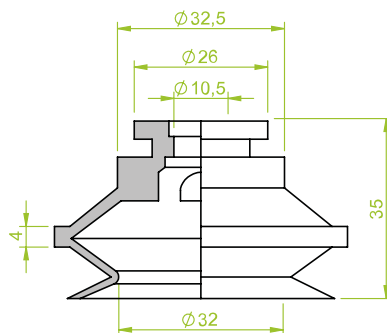
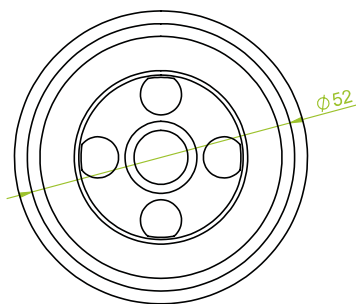
04 CR
02 SilikonHalter
*Fitting*Gewinde
Thread

25mm



25g

210.052.032._



Materialcode

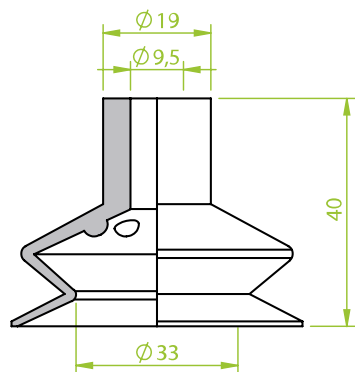
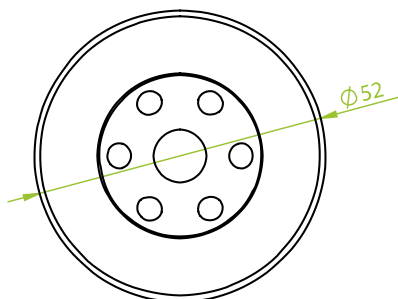
04 CR
07 FKM
09 HNBR
03 NRHalter
*Fitting*Gewinde
*Thread*130.137 1/8" IG
130.252 1/8" IG
130.294 1/4" AG
130.296 3/8" AG

12mm



22g

210.052.125._



Materialcode

V Vinyl

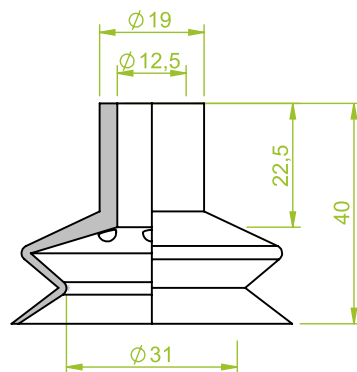
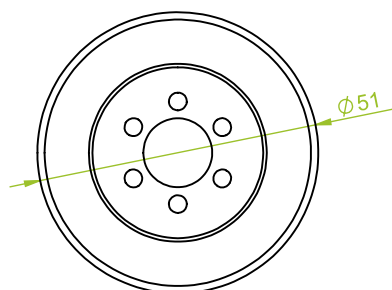
Halter
*Fitting*Gewinde
*Thread*130.132 1/8" AG
130.190 1/4" AG
130.192 1/4" IG
130.208 1/4" AG

6mm



16g

210.052.129._



Materialcode

02 Silikon

Halter
*Fitting*Gewinde
Thread

130.207 1/4" AG

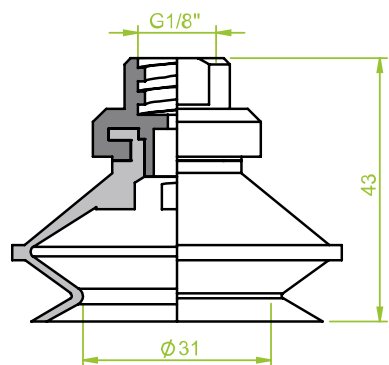
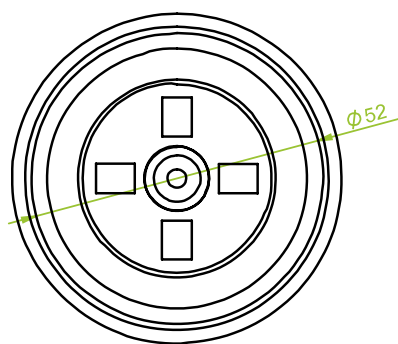


6mm



14g

211.052.005._



Materialcode

04 CR
07 FKM
09 HNBR
03 NR

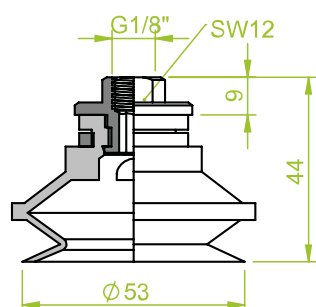
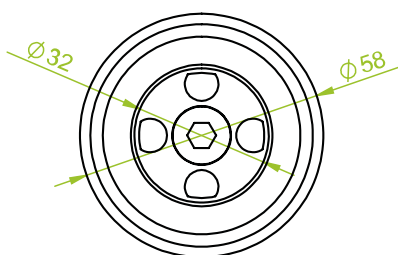
Halter
FittingGewinde
Thread

12mm



54g

211.052.013._



Materialcode

04 CR
07 FKM
09 HNBR
03 NR

Halter
FittingGewinde
Thread

12mm



22g

212.052.013._

Materialcode

02 Silikon

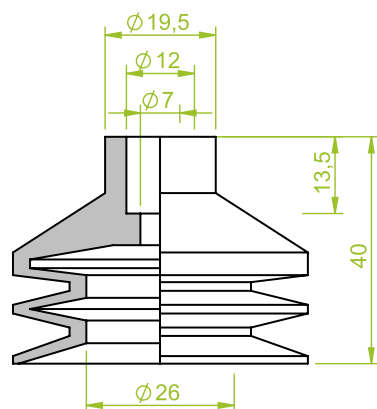
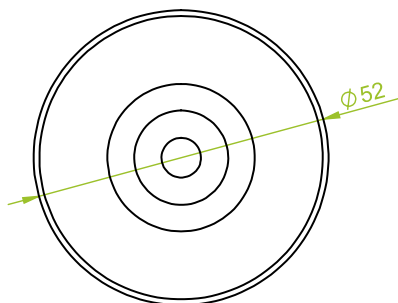
Halter
FittingGewinde
Thread

14mm



32.8g

220.052.085._



Materialcode

02 Silikon

Halter
FittingGewinde
Thread

130.101

1/4" AG



12mm



25g

Balgensauger | *Bellow cups*

210.053.017._													
	Materialcode 04 CR 09 HNBR 03 NR 05 Polyurethan												
	<table border="1"> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td>130.114</td> <td>1/8" IG</td> </tr> <tr> <td>130.132</td> <td>1/8" AG</td> </tr> <tr> <td>130.190</td> <td>1/4" AG</td> </tr> <tr> <td>130.192</td> <td>1/4" IG</td> </tr> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>	130.114	1/8" IG	130.132	1/8" AG	130.190	1/4" AG	130.192	1/4" IG
	Halter	Gewinde											
	<i>Fitting</i>	<i>Thread</i>											
	130.114	1/8" IG											
130.132	1/8" AG												
130.190	1/4" AG												
130.192	1/4" IG												
<table border="1"> <tr> <td></td> <td></td> </tr> </table>													
11mm	19g												

212.053.009._							
	Materialcode 02 Silikon						
	<table border="1"> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>		
	Halter	Gewinde					
	<i>Fitting</i>	<i>Thread</i>					
<table border="1"> <tr> <td></td> <td></td> </tr> </table>							
14mm	32.7g						

214.055.015._							
	Materialcode 05 Polyurethan 02 Silikon						
	<table border="1"> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td></td> <td></td> </tr> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>		
	Halter	Gewinde					
	<i>Fitting</i>	<i>Thread</i>					
<table border="1"> <tr> <td></td> <td></td> </tr> </table>							
20mm	47g						

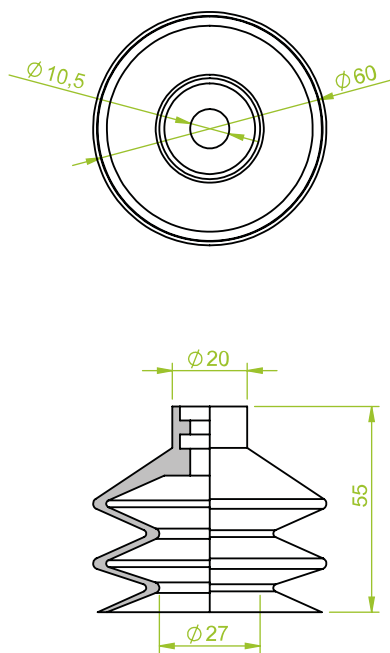


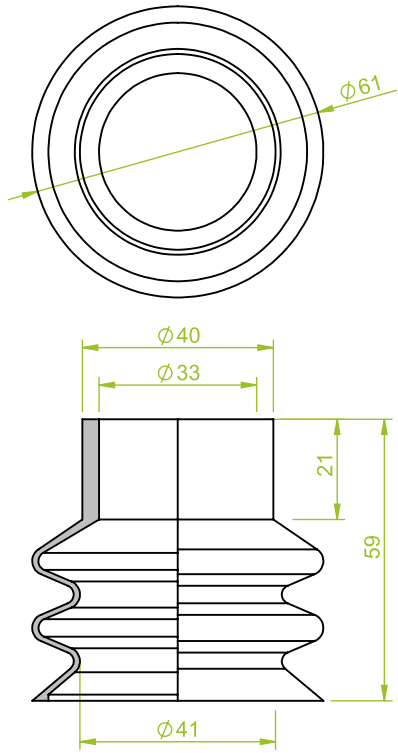


210.056.127._									
	Materialcode 03 NR 02 Silikon								
	<table border="1"> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> <tr> <td>130.049</td> <td>1/4" AG</td> </tr> <tr> <td>130.609</td> <td>1/4" AG</td> </tr> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>	130.049	1/4" AG	130.609	1/4" AG
	Halter	Gewinde							
	<i>Fitting</i>	<i>Thread</i>							
	130.049	1/4" AG							
130.609	1/4" AG								
<table border="1"> <tr> <td></td> <td></td> </tr> </table>									
16mm	16g								

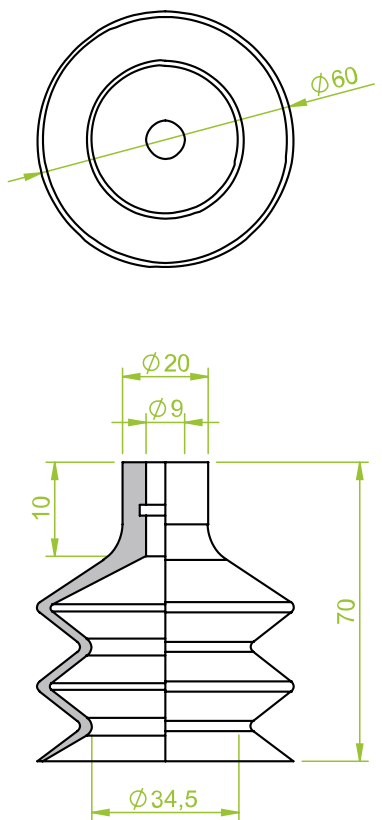


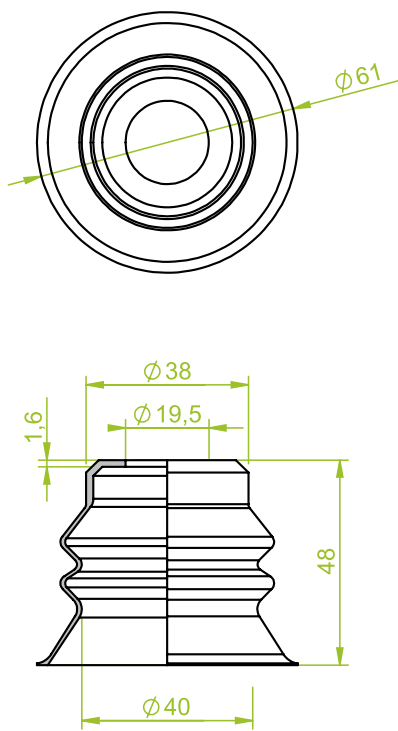


240.058.025._		210.060.023._	
Materialcode		Materialcode	
V Vinyl		03 NR 02 Silikon 12 verstärktes Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.092 130.093 130.099 130.248 130.249	1/8" IG 1/8" AG 1/4" AG 1/4" IG 1/4" AG
55mm	46g	15mm	33g

210.060.130._		211.060.012._	
Materialcode		Materialcode	
03 NR 02 Silikon		03 NR 05 Polyurethan 02 Silikon 12 verstärktes Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.281 130.282	1/4" AG 1/4" IG		
12mm	40g	15mm	33g

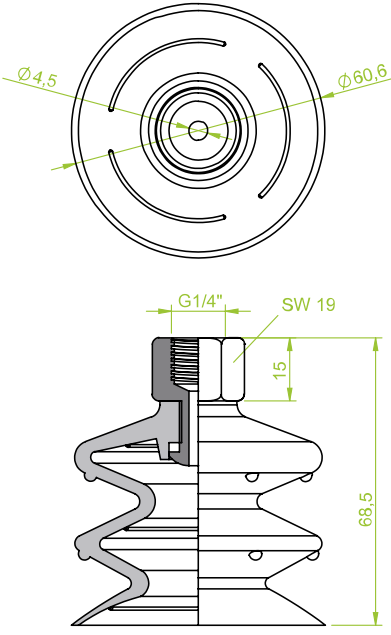
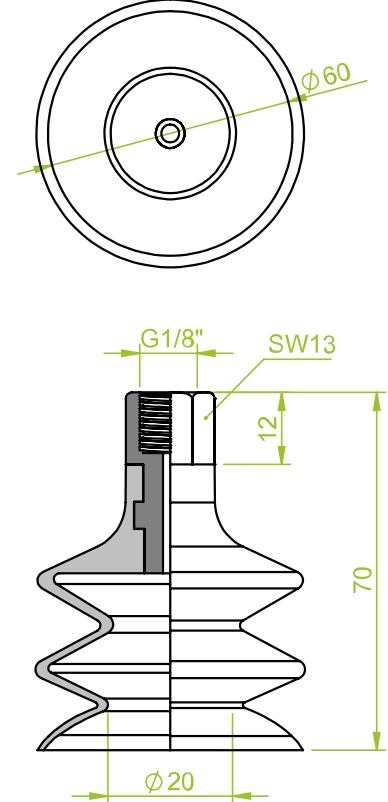




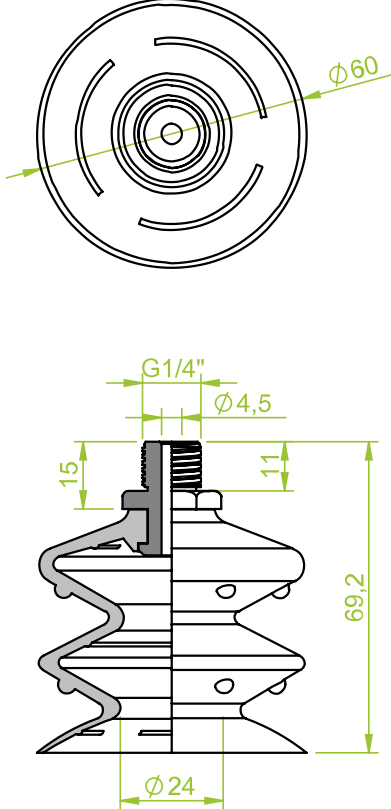
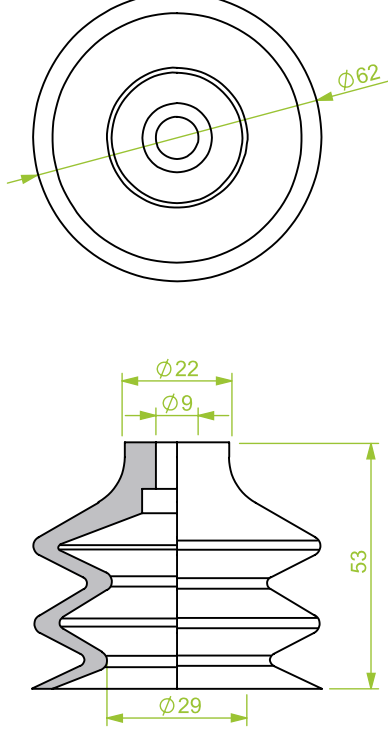




Balgensauger | *Bellow cups*

211.060.015._		212.060.004._	
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
11mm		45g	
		Materialcode	
		03 NR 05 Polyurethan 02 Silikon 12 verstärktes Silikon	
Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
15mm		33g	
		Materialcode	
Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
24mm		60g	
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
25mm		40g	

220.060.086._		220.060.087._	
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
130.097 130.098		1/4" AG 1/4" IG	
			
27mm		40g	
		Materialcode	
		03 NR 02 Silikon	
Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
			
25mm		30g	

220.060.100._		220.060.131._	
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
130.132 130.248 130.249		1/8" AG 1/4" IG 1/4" AG	
			
35mm		29.6g	
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
			
12mm		0g	

Balgensauger | *Bellow cups*

221.060.010._	Materialcode		221.060.026._	Materialcode	
	06 EPDM 05 Polyurethan 02 Silikon 12 verstärktes Silikon				
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
 24mm	 55g	 35mm	 37.6g		
222.060.006._	Materialcode		220.062.035._	Materialcode	
	06 EPDM 05 Polyurethan 02 Silikon 12 verstärktes Silikon			04 CR 09 HNBR 03 NR 05 Polyurethan	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
 24mm	 54.8g	 25mm	 45.7g		

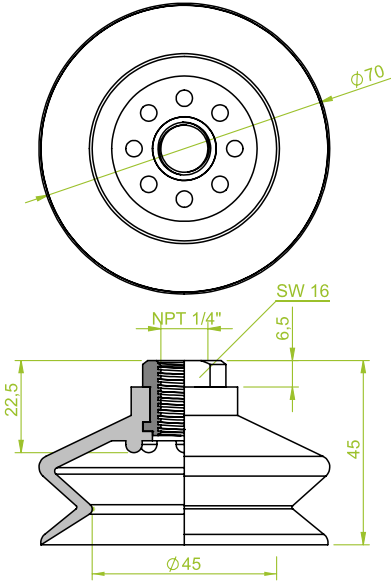
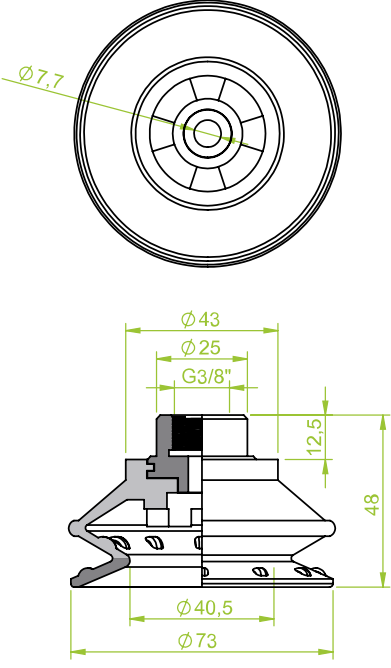




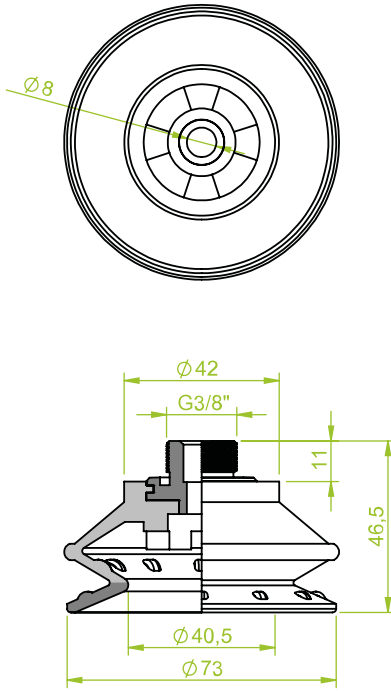
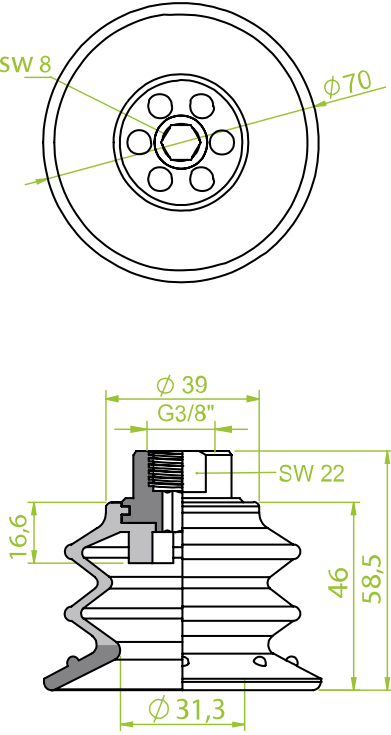




221.062.002._			
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.282	1/4" IG		
		25mm	60g

222.062.009._			
		Materialcode	
		02 Silikon 12 verstärktes Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.281	1/4" AG		
		25mm	60g

243.069.001._			
		Materialcode	
		V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
		32mm	122g

210.070.105._			
		Materialcode	
		02 Silikon V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
130.145 130.184	1/4" AG 1/4" AG		
		20mm	40g

Balgensauger | *Bellow cups*

213.070.013._	Materialcode		213.070.800._		Materialcode	
	V Vinyl			05 Polyurethan 20 TPU		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
						
13mm	50g	18mm	61.5g			
214.070.800._	Materialcode		223.070.800._		Materialcode	
	05 Polyurethan 20 TPU			05 Polyurethan 20 TPU		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
						
18mm	61g	23mm	66.5g			

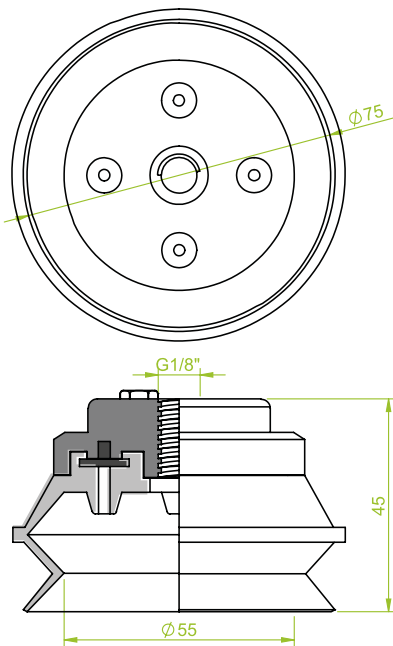
224.070.800._		Materialcode		Materialcode	
		05 Polyurethan 20 TPU		05 Polyurethan 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
				130.138	1/8" IG
23mm		60.4g		22mm	45g

210.075.051._		Materialcode		Materialcode	
		02 Silikon 12 verstärktes Silikon		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.190	1/4" AG	130.049	1/4" AG
		130.192	1/4" IG	130.451	1/4" AG
				130.452	1/4" IG
17mm		20g		20mm	35g

210.075.128._		Materialcode		Materialcode	
		02 Silikon		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
				130.049	1/4" AG
				130.451	1/4" AG
				130.452	1/4" IG
17mm		20g		20mm	35g

Balgensauger | *Bellow cups*

211.075.006._



Materialcode

05 Polyurethan
02 Silikon

Halter
Fitting

Gewinde
Thread

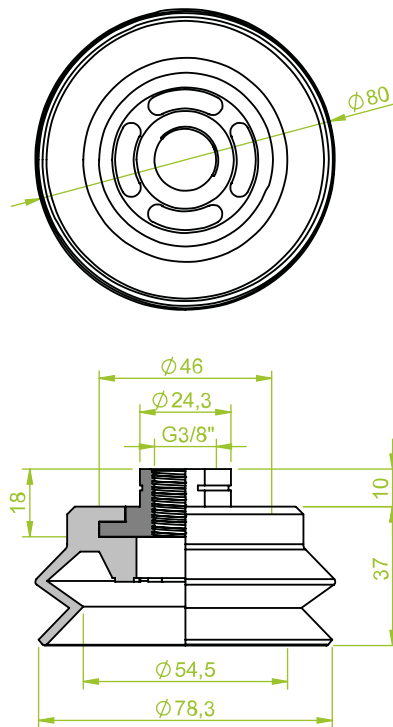


22mm



113g

213.075.038._



Materialcode

Halter
Fitting

Gewinde
Thread

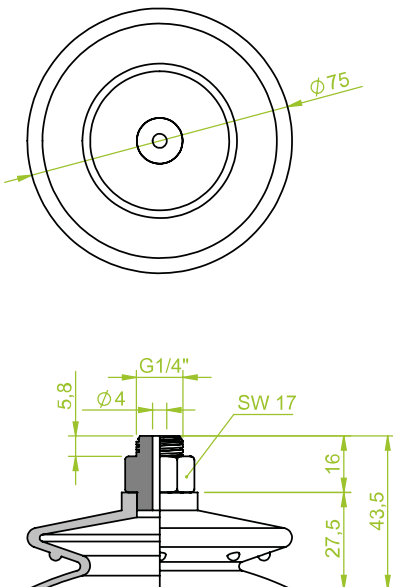


15mm



87g

214.075.016._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

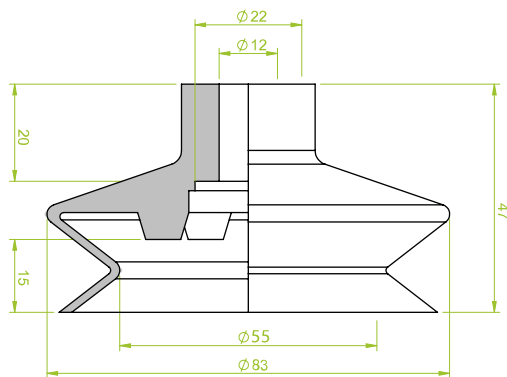
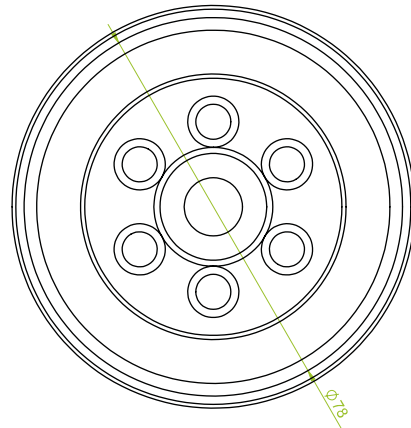


14.5mm



85g

210.078.131._



Materialcode

03 NR
02 SilikonHalter
*Fitting*Gewinde
Thread

130.184

1/4" AG

130.622

1/4" AG

130.623

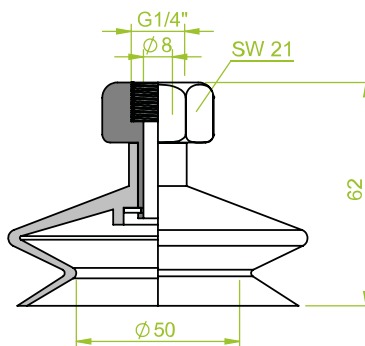
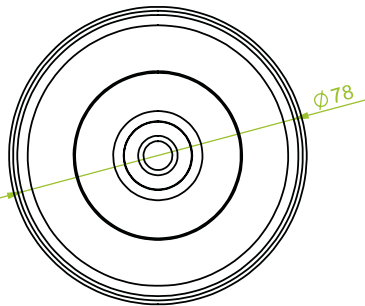
1/4" IG



14mm

55g

211.078.016._



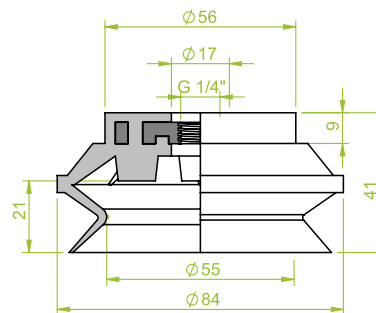
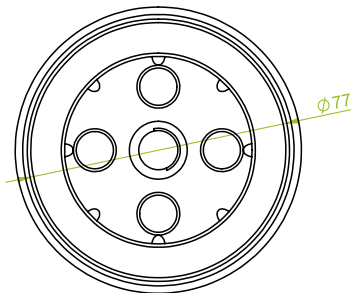
Materialcode

03 NR
02 SilikonHalter
*Fitting*Gewinde
Thread

15mm

130g

213.078.007._



Materialcode

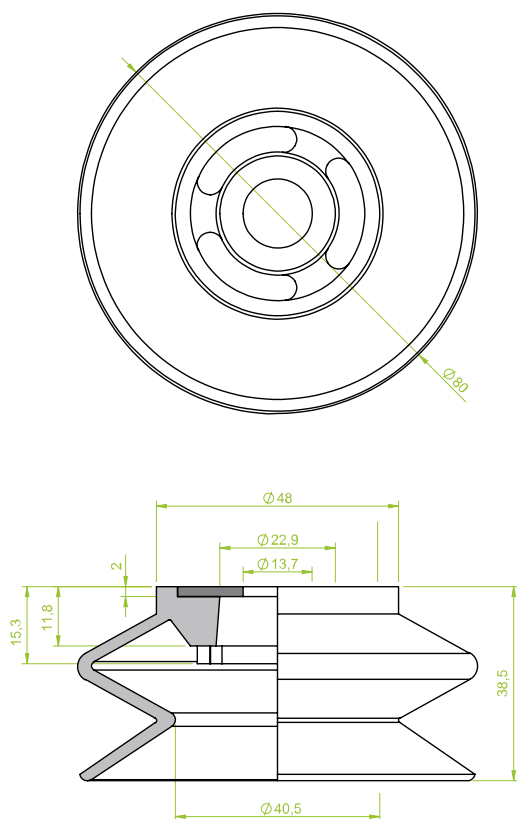
05 Polyurethan
02 SilikonHalter
*Fitting*Gewinde
Thread

21mm

73g

Balgensauger | *Bellow cups*

215.080.003._



Materialcode

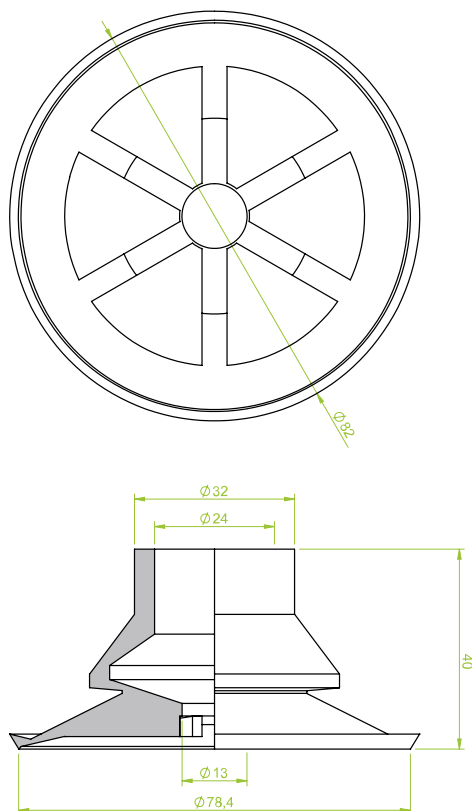
09 HNBR
03 NRHalter
*Fitting*Gewinde
Thread

23mm



64g

210.082.133._



Materialcode

02 Silikon

Halter
*Fitting*Gewinde
Thread

130.327

1/4" AG

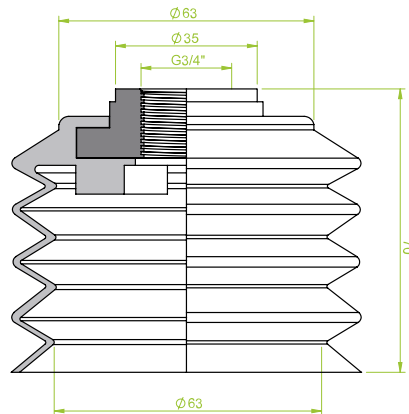
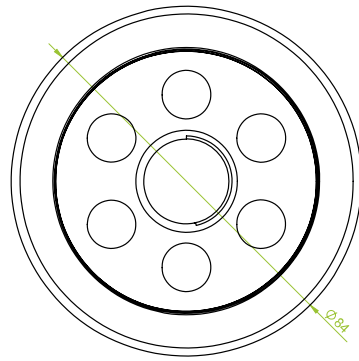


7mm



41g

243.084.002._



Materialcode

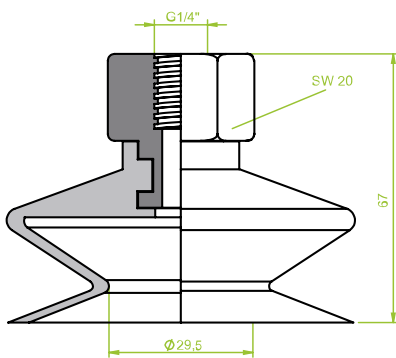
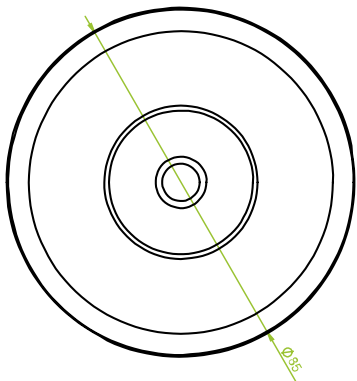
V Vinyl

Halter
FittingGewinde
Thread

31mm

126g

213.085.006._



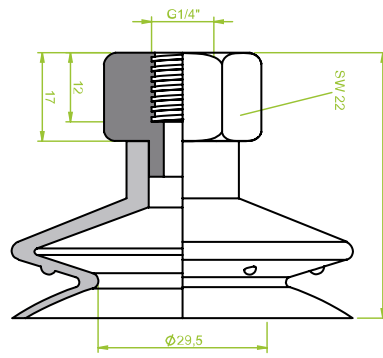
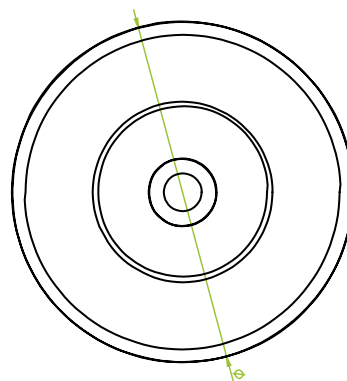
Materialcode

Halter
FittingGewinde
Thread

17mm

120g

213.085.009._



Materialcode

12 verstärktes Silikon

Halter
FittingGewinde
Thread

13mm

139g

Balgensauger | *Bellow cups*

213.085.016._

	Materialcode	
	V Vinyl	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	7mm	48g

214.085.002._

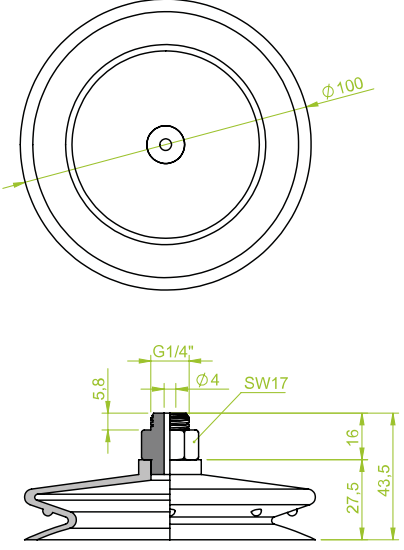
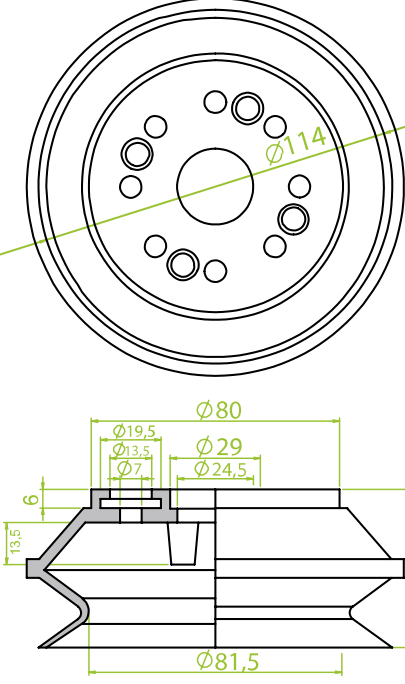




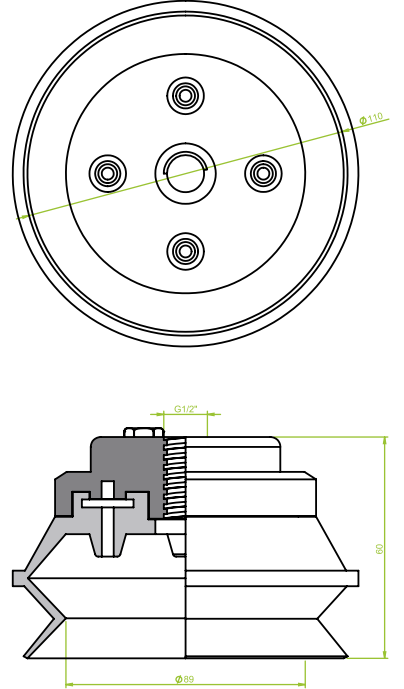
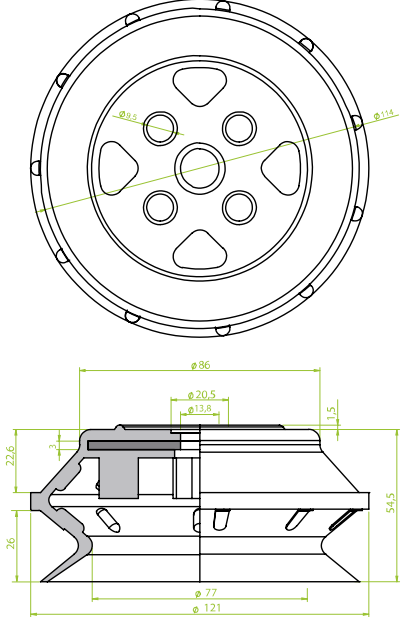




vulkanisiert

	Materialcode	
	12 verstärktes Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	13mm	174g

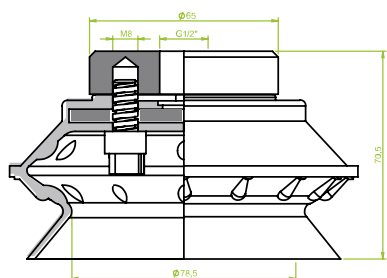
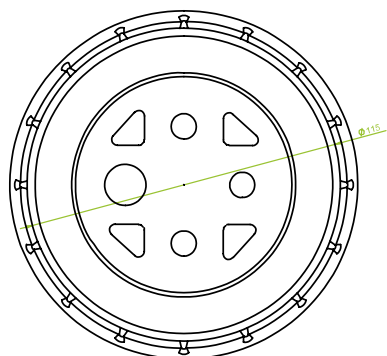
222.085.010._		223.085.007._	
		vulkanisiert	
		Materialcode 03 NR 02 Silikon 12 verstärktes Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
30mm	170g	33mm	190g

224.085.001._		220.088.036._	
		vulkanisiert	
		Materialcode 12 verstärktes Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
38mm	209g	35mm	170g

Balgensauger | Bellow cups

214.100.017._	Materialcode		210.110.034._		Materialcode	
	05 Polyurethan 02 Silikon			02 Silikon		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
				130.139	1/2" IG	
 14.5mm	 155g	 35mm	 110g			
211.110.007._	Materialcode		210.115.047._		Materialcode	
	02 Silikon			09 HNBR 05 Polyurethan 02 Silikon		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
				130.056	1/2" IG	
 35mm	 260g	 29mm	 267.9g			

211.115.017._



Materialcode

09 HNBR
05 Polyurethan
02 Silikon

Halter

Fitting

Gewinde

Thread



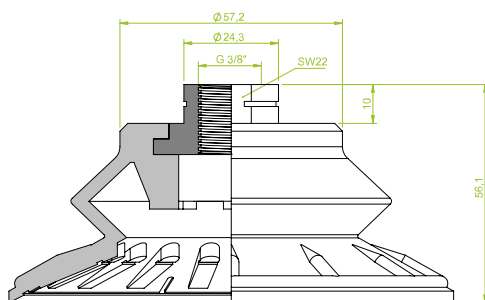
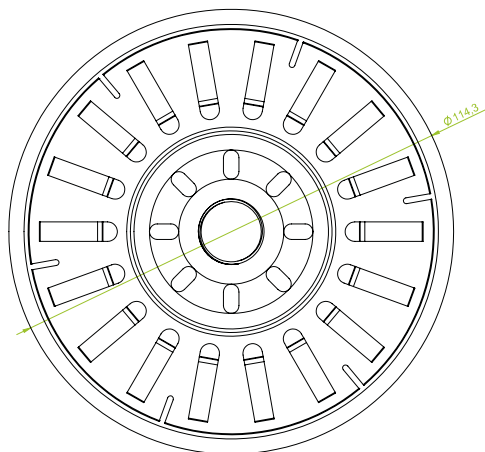
29mm



695g

213.115.033._

vulkanisiert



Materialcode

Halter

Fitting

Gewinde

Thread



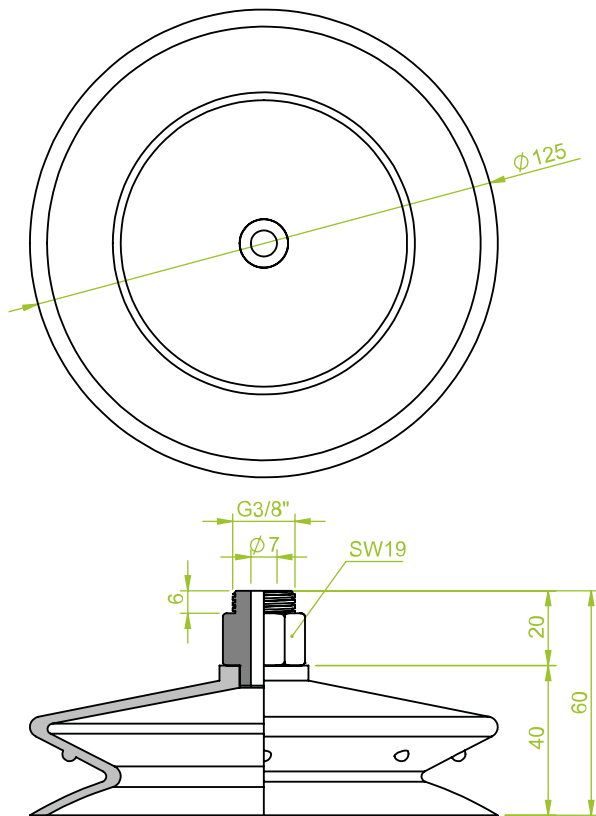
40mm



115.1g

Balgensauger | *Bellow cups*

214.125.018._



Materialcode

05 Polyurethan
02 Silikon

Halter
Fitting

Gewinde
Thread

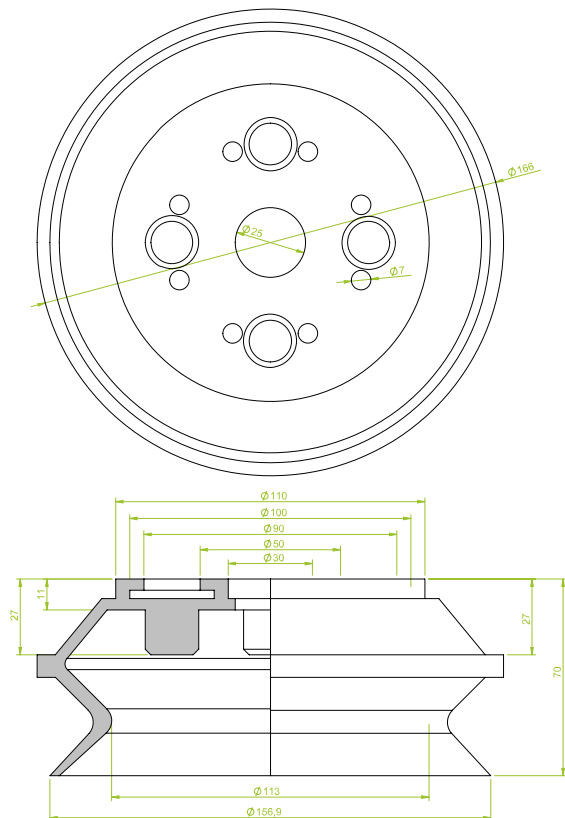


26mm



0g

210.150.035._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

130.140

1/2" IG

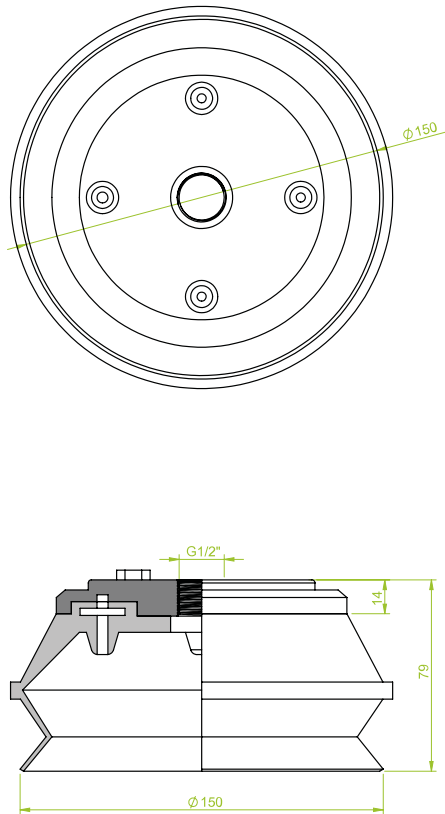


40mm



293g

211.150.008._



Materialcode

02 Silikon

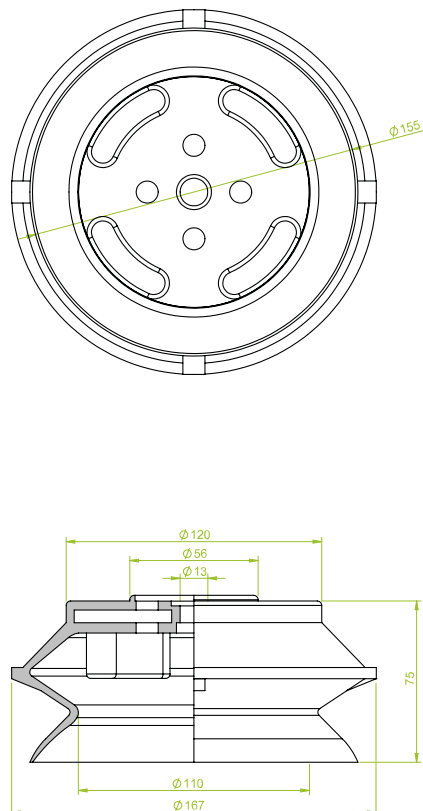
Halter
FittingGewinde
Thread

40mm



580g

210.155.048._



Materialcode

02 Silikon

Halter
FittingGewinde
Thread

130.056

1/2" IG



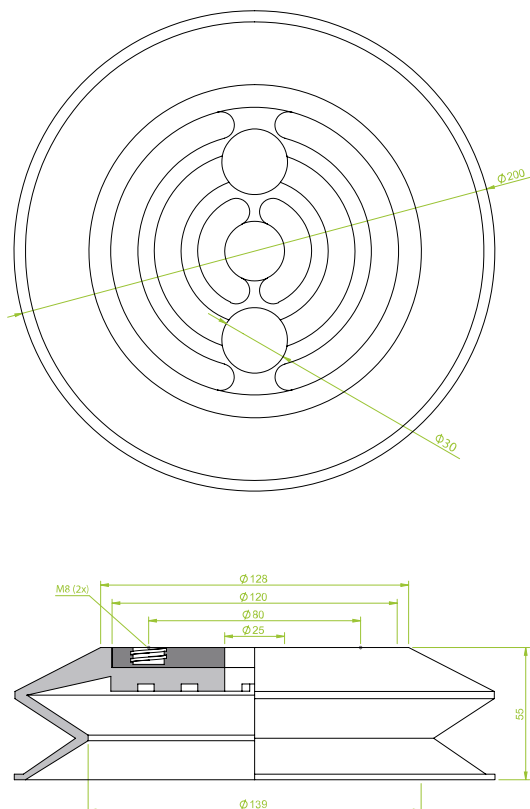
38mm



495g

Balgensauger | *Bellow cups*

213.200.022._



Materialcode

03 NR

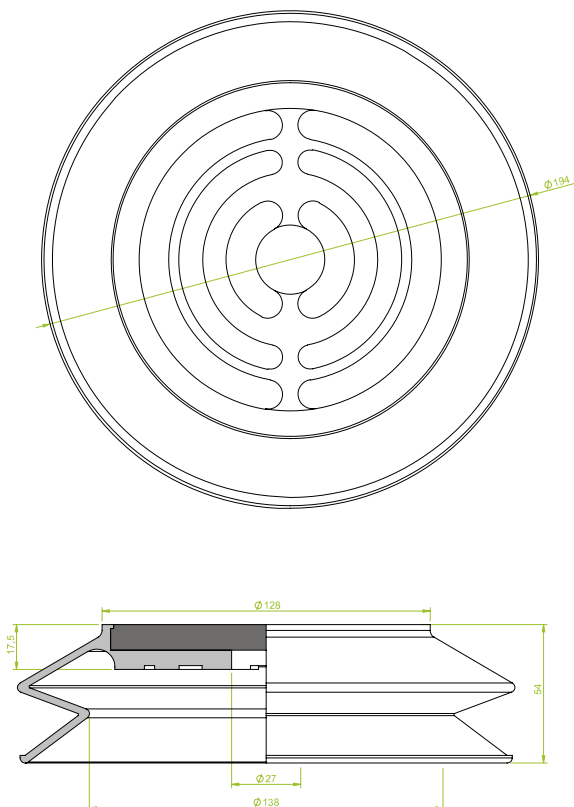
Halter
FittingGewinde
Thread

38mm



520g

215.200.007._



Materialcode

03 NR

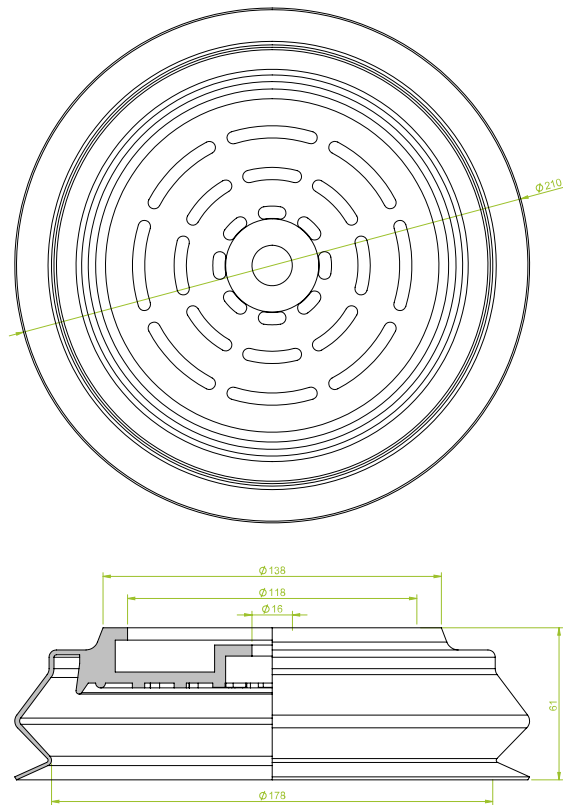
Halter
FittingGewinde
Thread

30mm



586.4g

210.210.135._



Materialcode

03 NR


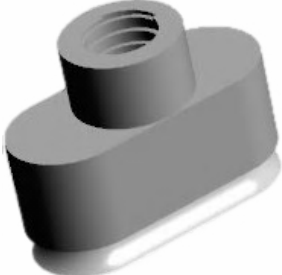



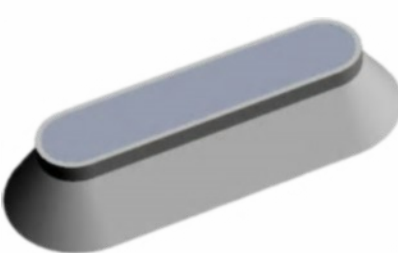
Halter
FittingGewinde
Thread

mm

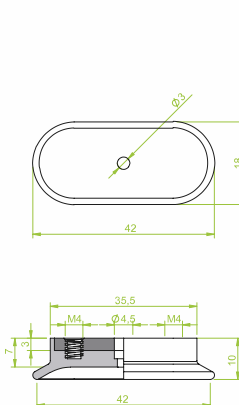
0g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

Aufbau & Ausführungen | *Structure & Versions*

<p>Ohne Anschlussstück <i>Without fitting</i> 30.</p>	<p>Inkl. Anschluss, gesteckt, Innengewinde <i>Incl. plugged fitting, female thread</i> 31.</p>	<p>Inkl. Anschluss, gesteckt, Aussengewinde <i>Incl. plugged fitting, male thread</i> 32.</p>
		
<p>30.015005.017._</p>	<p>31.020012.002._</p>	<p>32.01005.007._</p>
<p>Inkl. Anschluss, vulkanisiert, Innengewinde <i>Incl. vulcanized fitting, female thread</i> 33.</p>	<p>Inkl. Anschluss, vulkanisiert, Aussengewinde <i>Incl. vulcanized fitting, male thread</i> 34.</p>	<p>Vulkanisiert, ohne Gewinde/Bohrung <i>Vulcanized, without thread/hole</i> 35.</p>
		
<p>33.116027.024._</p>	<p>34.067028.0829._</p>	<p>35.11040.016._</p>

Example: Oval-Rechteck Flachsauger ohne Anschlussstück 42 x 18 mm, verfügbar in den Materialien NBR und Silikon.
Oval rectangular flat cups without fitting 42 x 18 mm, available in the materials NBR and silicone.

<p>Art .Nr. NO.</p>	<p>33.042018.033._</p>  <table border="1"> <tr> <td colspan="2">Materialcode</td> </tr> <tr> <td>01 NBR</td> <td>02 Silikon</td> </tr> <tr> <td>Halter Fitting</td> <td>Gewinde Thread</td> </tr> <tr> <td>3mm</td> <td>5g</td> </tr> </table>	Materialcode		01 NBR	02 Silikon	Halter Fitting	Gewinde Thread	3mm	5g	<p>vulkanisiert</p> <p>Ergänzung zur Art.Nr. Bei Bestellung <i>Supplement to the NO. When ordering</i></p> <p>Passendes Befestigungselement <i>Suitable mounting element</i></p> <p>Hub / Travel</p> <p>Gewicht / Weight</p>
Materialcode										
01 NBR	02 Silikon									
Halter Fitting	Gewinde Thread									
3mm	5g									

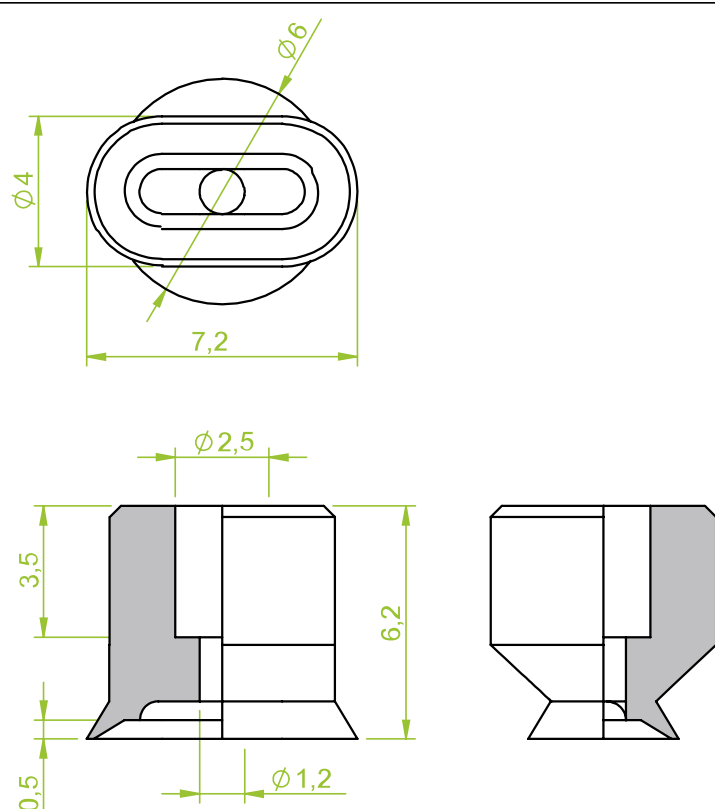


Eigenschaften der Saugermaterialien auf Seite 24 | *Properties of vacuum cup materials at page 24*

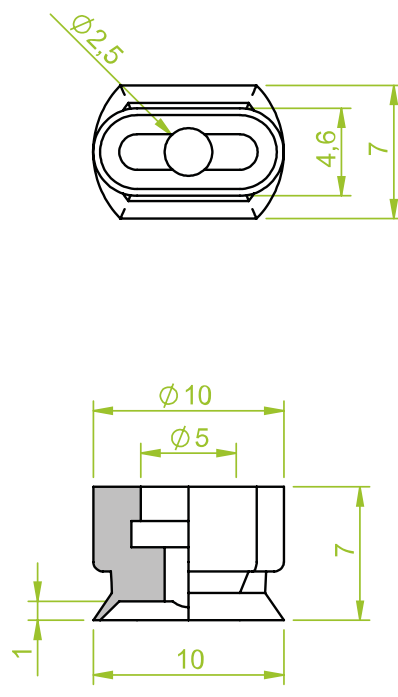


30.004002.002._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.011	M3 AG
	0.5mm	0.03g

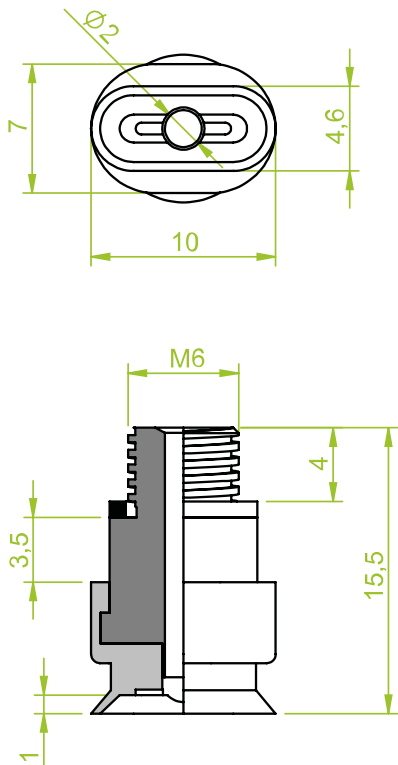


30.004002.003._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.300	M5 AG
	0.5mm	0.05g

30.007004.004._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.014 130.025 130.030 130.111	M3 AG M3 AG 1/8" AG M4 AG
	0.8mm	0.1g

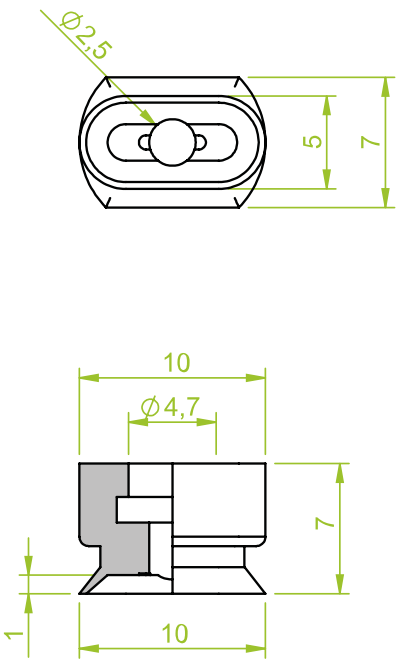


Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

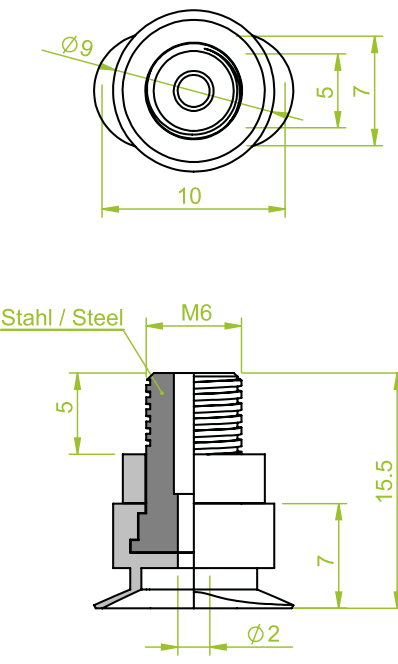


30.007004.005._				Materialcode 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
		130.014	M3 AG		
		130.025	M3 AG		
		130.111	M4 AG		
		130.300	M5 AG		
					
		0.8mm	0.1g		

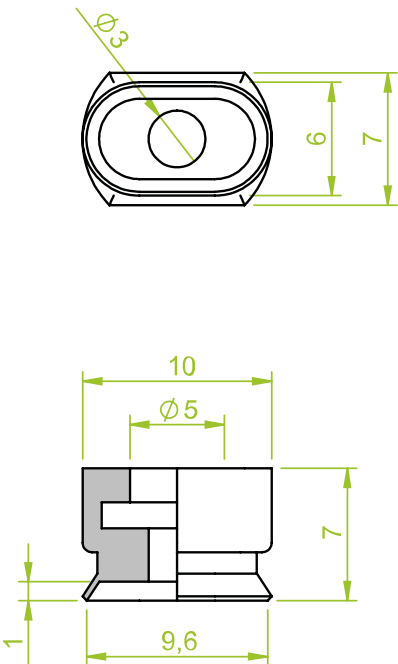


30.010004.006._		Materialcode 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.339	M6 AG
			
		1mm	0.3g

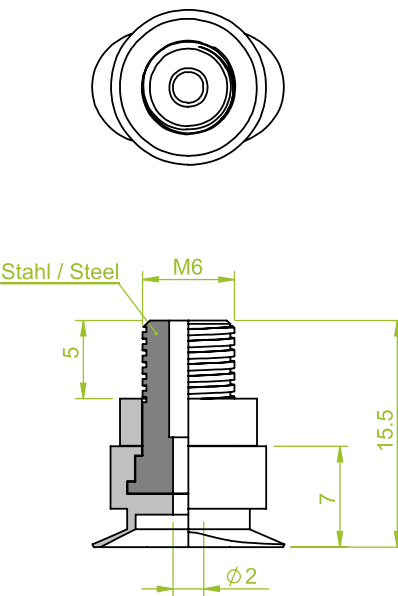


32.010004.006._		Materialcode 02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
		1mm	1.8g

331 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

30.010005.007._	
	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
1mm	0.3g

32.010005.007._	
	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
1mm	1.8g

30.010006.008._	
	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
1mm	0.3g

32.010006.008._	
	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
1mm	1.9g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

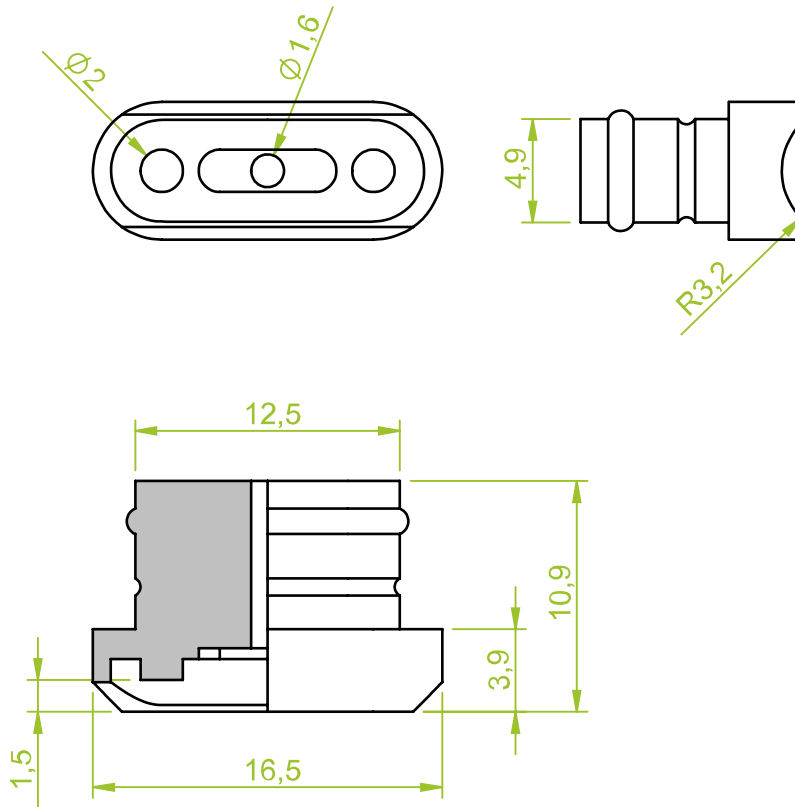
30.012004.029._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.024 130.104 130.134	M5 AG M6 AG M5 AG
0.5mm	0.6g

30.013007.030._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
0mm	0.5g

30.014007.074._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
2mm	0.6g

333 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

30.014007.076._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

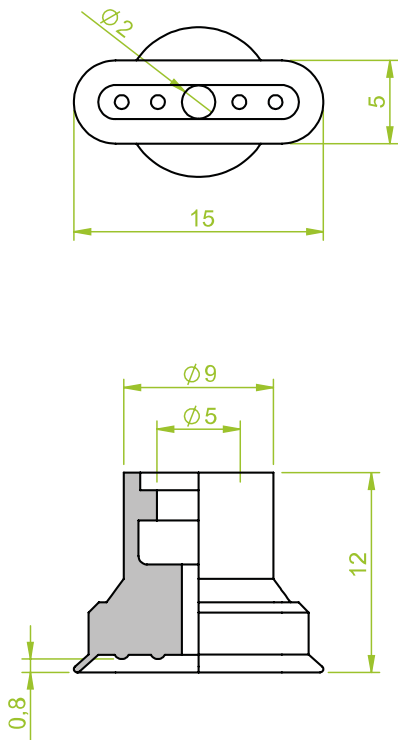


2mm



0.6g

30.015005.017._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

130.005 M5 IG
130.094 M5 AG
130.095 1/8" AG
130.096 1/8" IG
130.103 M6 AG

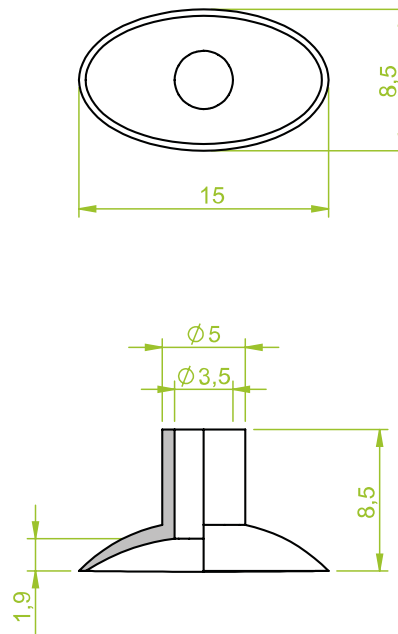


1mm



0.5g

30.015008.031._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread



2mm



0.2g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

30.017009.073._			
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		3mm	1.3g

30.018006.018._			
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.005 130.013 130.095 130.096 130.103	M5 IG M5 AG 1/8" AG 1/8" IG M6 AG
		1mm	0.5g

30.019005.032._			
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		0mm	1g

30.020004.009._			
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.340	M6 AG
		1mm	0.6g

335 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

32.020004.009._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
1mm	2.3g

30.020005.010._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.340	M6 AG
1mm	0.6g

32.020005.010._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
1mm	2.4g

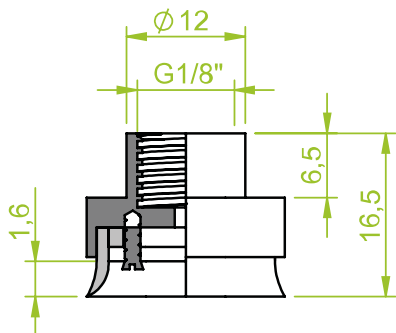
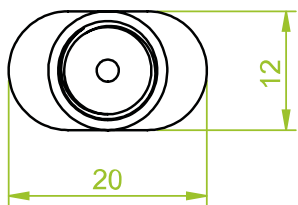
30.020006.011._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.340	M6 AG
1mm	0.6g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

32.020006.011._		30.020008.012._	
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		130.340	M6 AG
1mm	2.4g	1mm	0.6g

32.020008.012._		30.020012.033._	
		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
1mm	2.4g	1mm	1g

31.020012.002._



Materialcode

02 Silikon

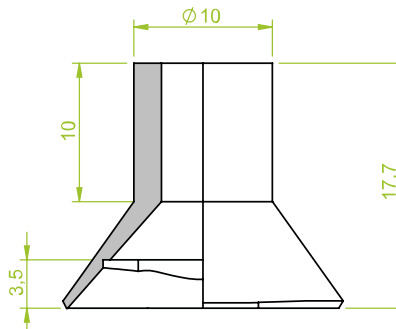
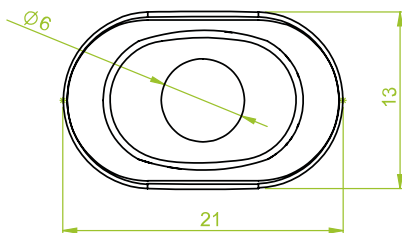
Halter
FittingGewinde
Thread

1mm



5.2g

30.021013.072._



Materialcode

02 Silikon

Halter
FittingGewinde
Thread130.109 1/8" IG
130.238 1/8" AG
130.317 M5 AG

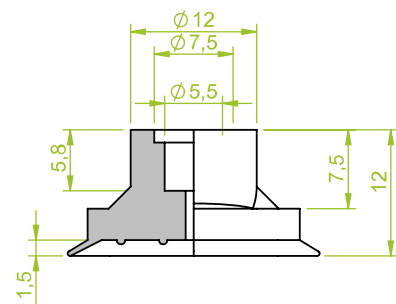
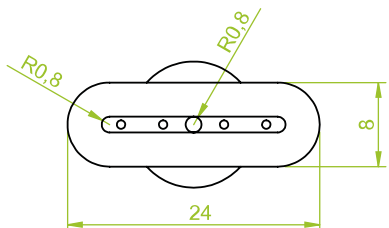
0.3mm



0.9g

30.024008.019._

Mit Ohrklemme



Materialcode

02 Silikon

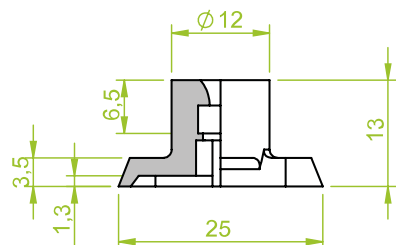
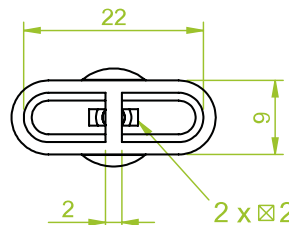
Halter
FittingGewinde
Thread130.005 M5 IG
130.094 M5 AG
130.095 1/8" AG
130.103 M6 AG

1mm



1g

30.025009.040._



Materialcode

02 Silikon

Halter
FittingGewinde
Thread

0mm



1g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

30.025017.077._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
0.7mm	1g	

30.030004.013._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.340	M6 AG
1mm	1g	

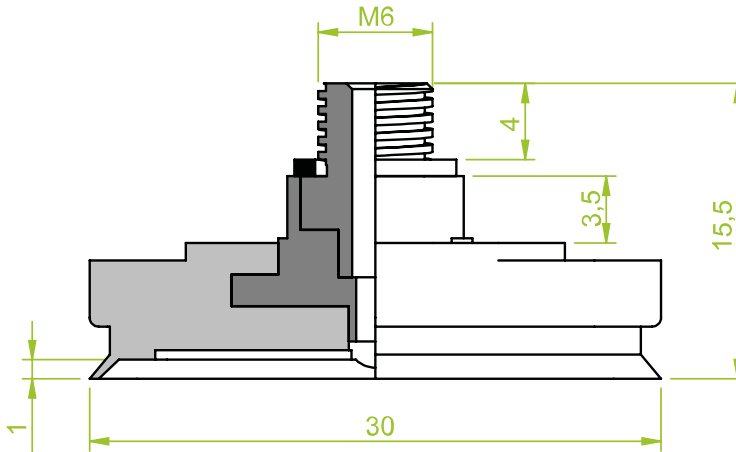
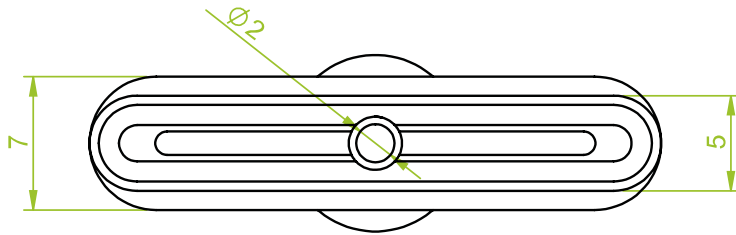
339 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

32.030004.013._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
1mm	2.7g	

30.030005.014._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	130.340	M6 AG
1mm	1g	

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

32.030005.014._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

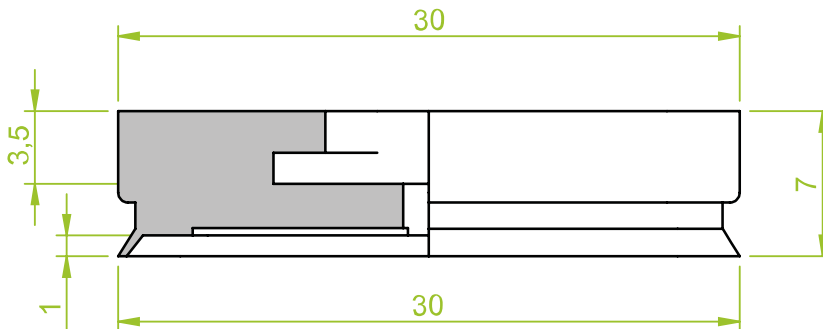
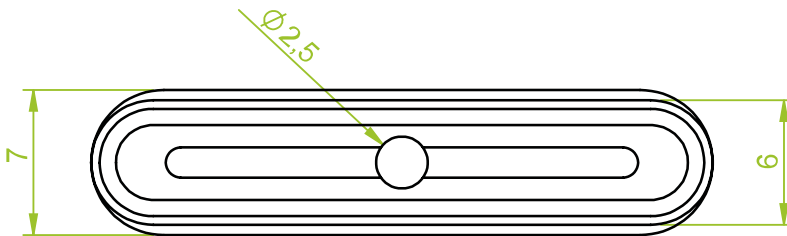


1mm



2.7g

30.030006.015._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

130.340

M6 AG

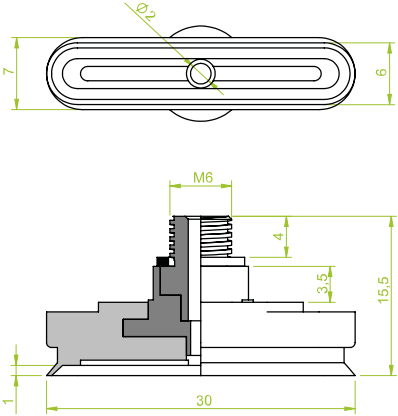








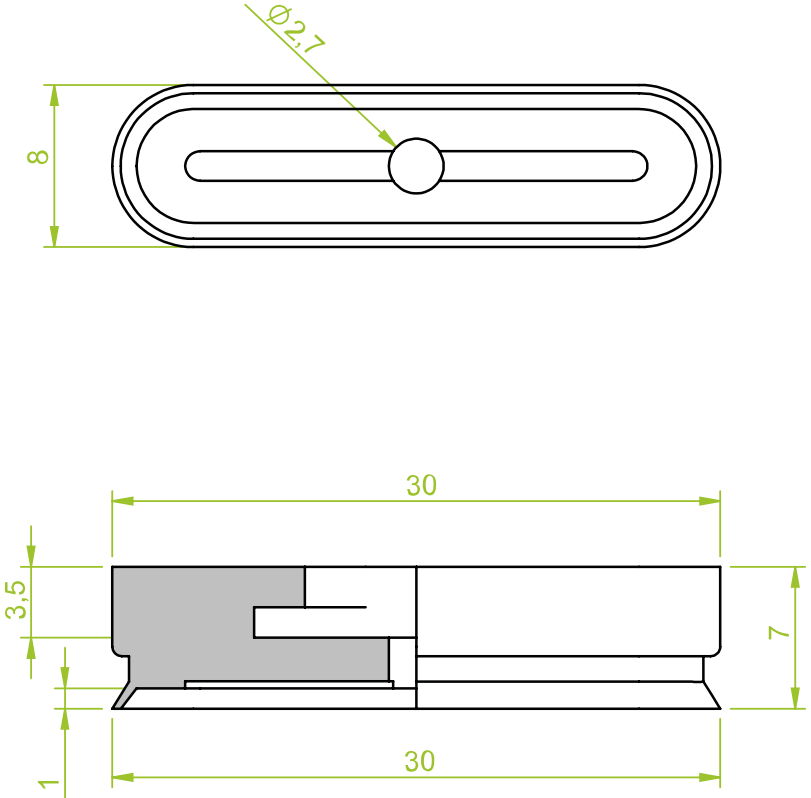






1mm



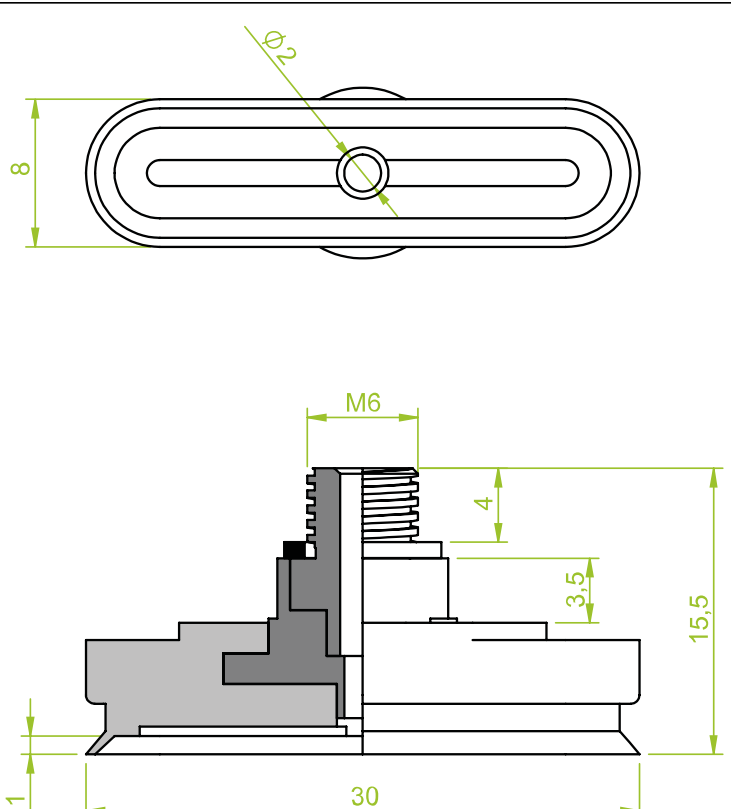


1g

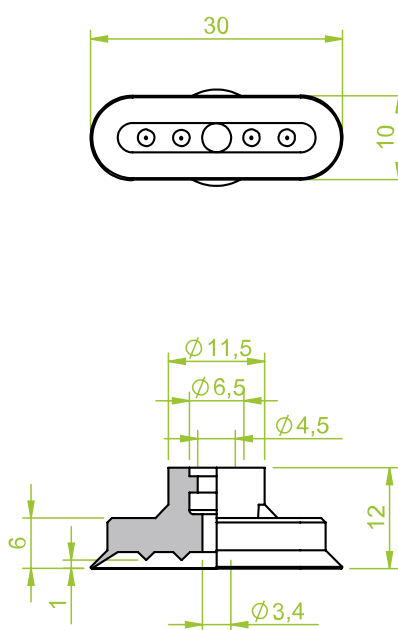
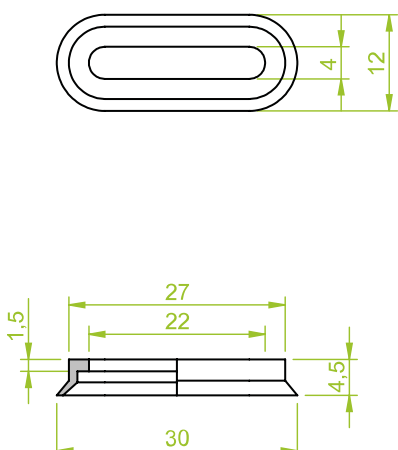


341 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

32.030006.015._					
	Materialcode				
	02 Silikon				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 50%;">Halter <i>Fitting</i></td> <td style="text-align: center; width: 50%;">Gewinde <i>Thread</i></td> </tr> <tr> <td style="height: 100px;"></td> <td style="height: 100px;"></td> </tr> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 50%;"></td> <td style="text-align: center; width: 50%;"></td> </tr> <tr> <td style="text-align: center;">1mm</td> <td style="text-align: center;">2.7g</td> </tr> </table>			1mm	2.7g	
					
1mm	2.7g				

30.030008.016._					
	Materialcode				
	02 Silikon				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 50%;">Halter <i>Fitting</i></td> <td style="text-align: center; width: 50%;">Gewinde <i>Thread</i></td> </tr> <tr> <td style="text-align: center;">130.340</td> <td style="text-align: center;">M6 AG</td> </tr> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.340	M6 AG
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.340	M6 AG				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 50%;"></td> <td style="text-align: center; width: 50%;"></td> </tr> <tr> <td style="text-align: center;">1mm</td> <td style="text-align: center;">1g</td> </tr> </table>			1mm	1g	
					
1mm	1g				

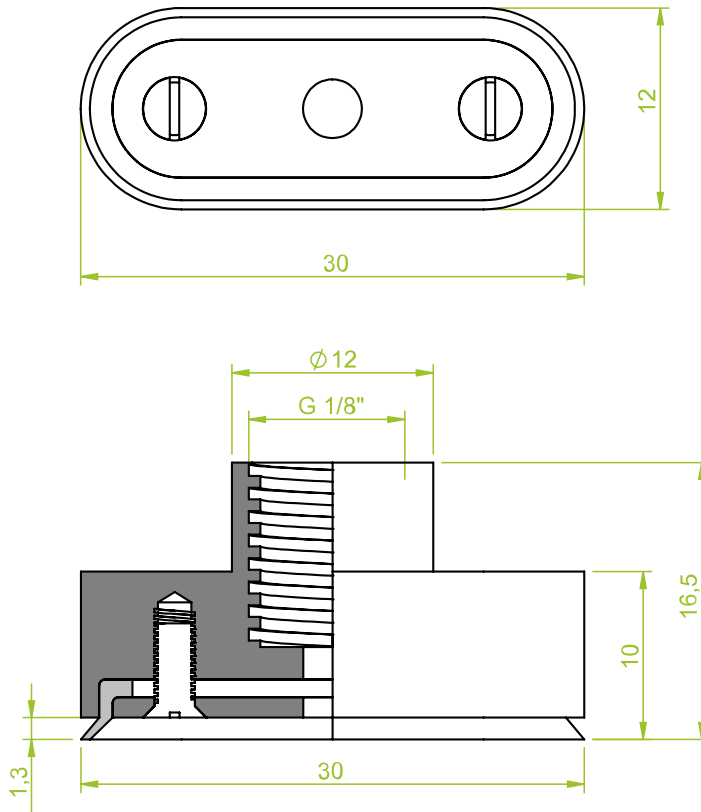
Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

32.030008.016._				Materialcode 02 Silikon	
		Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
					
		1mm		2.7g	

30.030010.020._		Mit Ohrklemme		30.030012.042._	
		Materialcode 02 Silikon			
		Halter <i>Fitting</i>		Halter <i>Fitting</i>	
		Gewinde <i>Thread</i>		Gewinde <i>Thread</i>	
		130.005 M5 IG 130.094 M5 AG 130.095 1/8" AG 130.096 1/8" IG 130.103 M6 AG			
					
		2mm		1mm	
		1.4g		0.4g	

343 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

31.030012.003._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

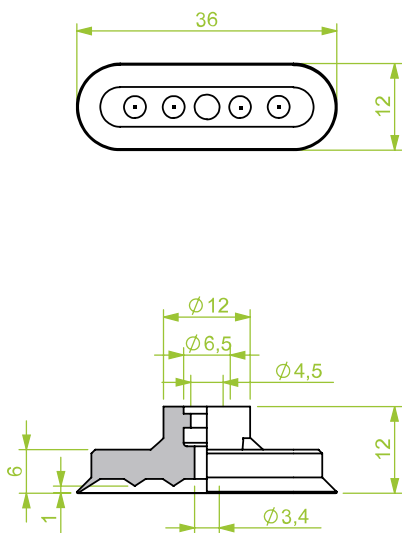


1mm



8.3g

30.036012.021._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

130.005	M5 IG
130.094	M5 AG
130.095	1/8" AG
130.096	1/8" IG
130.103	M6 AG

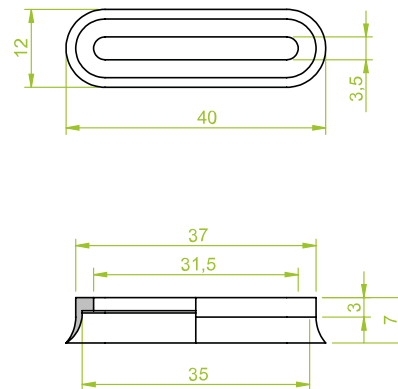


2mm



1.8g

30.040012.043._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread



1mm



0.5g

Oval-Rechteck-Flachsauger | Oval Rectangular Flat cups

31.040012.004._

		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
1mm	11g		

33.040020.017._ vulkanisiert

		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
2mm	20g		

35.040020.009._ vulkanisiert

		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
2mm	20g		

33.042018.033._ vulkanisiert

		Materialcode	
		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
3mm	5g		

345 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*



30.045015.022._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.097 130.098 130.181 130.245	1/4" AG 1/4" IG 1/8" AG 1/4" AG
3mm	4.2g



30.045015.045._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.310	M5 AG
3mm	2.2g

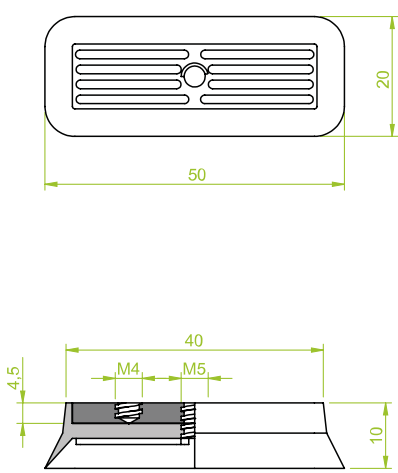
33.045015.022._		vulkanisiert
Materialcode		
02 Silikon		
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
mm	g	



33.050020.005._		vulkanisiert
Materialcode		
02 Silikon		
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
3mm	18g	

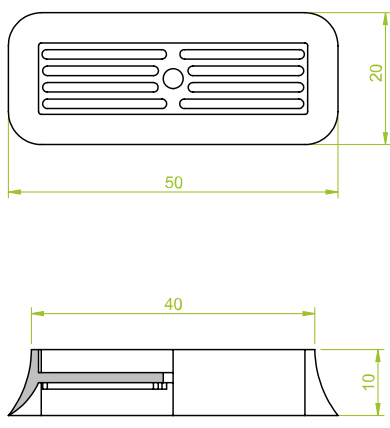
Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*



33.050020.006._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
		mm	0g

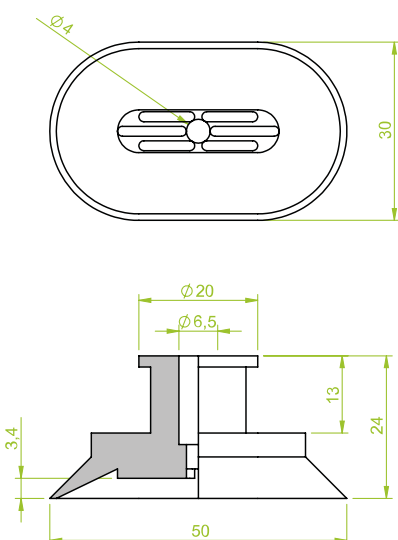
33.050020.019._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
		2mm	20g



35.050020.010._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
		2mm	20g

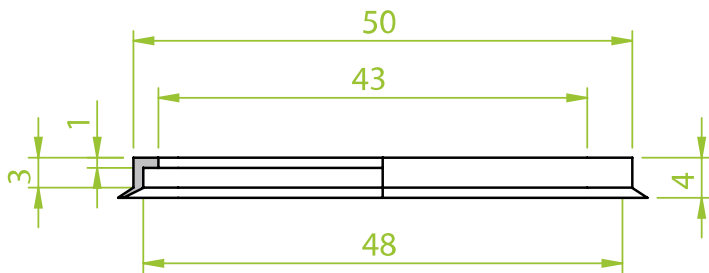
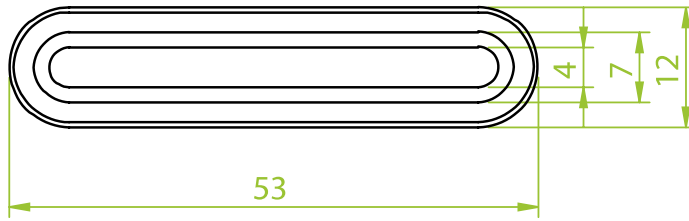


30.050030.047._			
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
		5mm	9.4g



347 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

30.053012.071._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

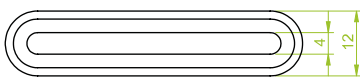


1.5mm



0.7g

30.055012.044._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

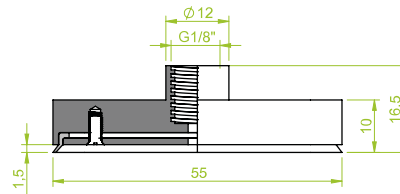
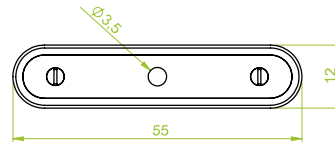


1mm



0.7g

31.055012.005._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread



1mm





16g

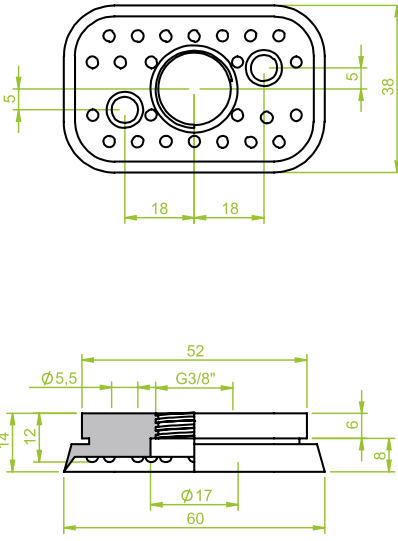


Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

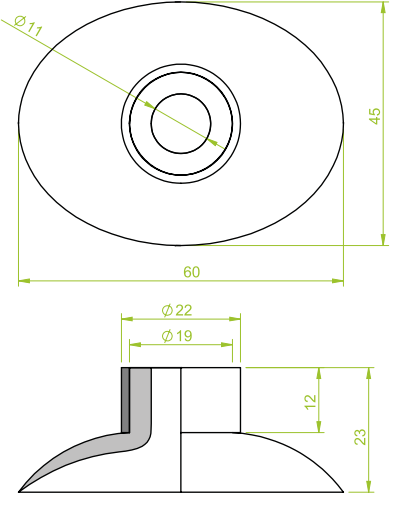


30.060020.023._		Mit Ohrklemme	
	Materialcode		
	02 Silikon		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
	130.097	1/4" AG	
	130.098	1/4" IG	
130.245	1/4" AG		
4mm		9g	

30.060020.069._		Materialcode	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
4mm		13.7g	

349 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

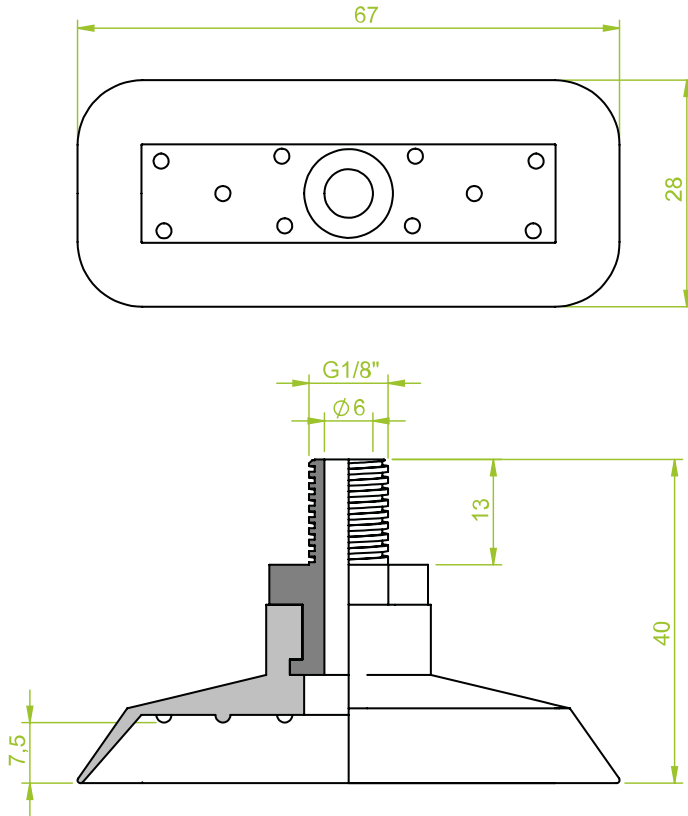
33.060020.008._	vulkanisiert		33.060030.101._		
		Materialcode			
		02 Silikon			
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
					
		2.5mm	27g		

33.060038.002._	vulkanisiert		30.060045.048._		
		Materialcode			
		02 Silikon			
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
					
					
		2mm	40g		

		Materialcode			
		02 Silikon			
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
					
					
		10mm	5g		

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

34.067028.0829._



Materialcode

02 Silikon

Halter
Fitting

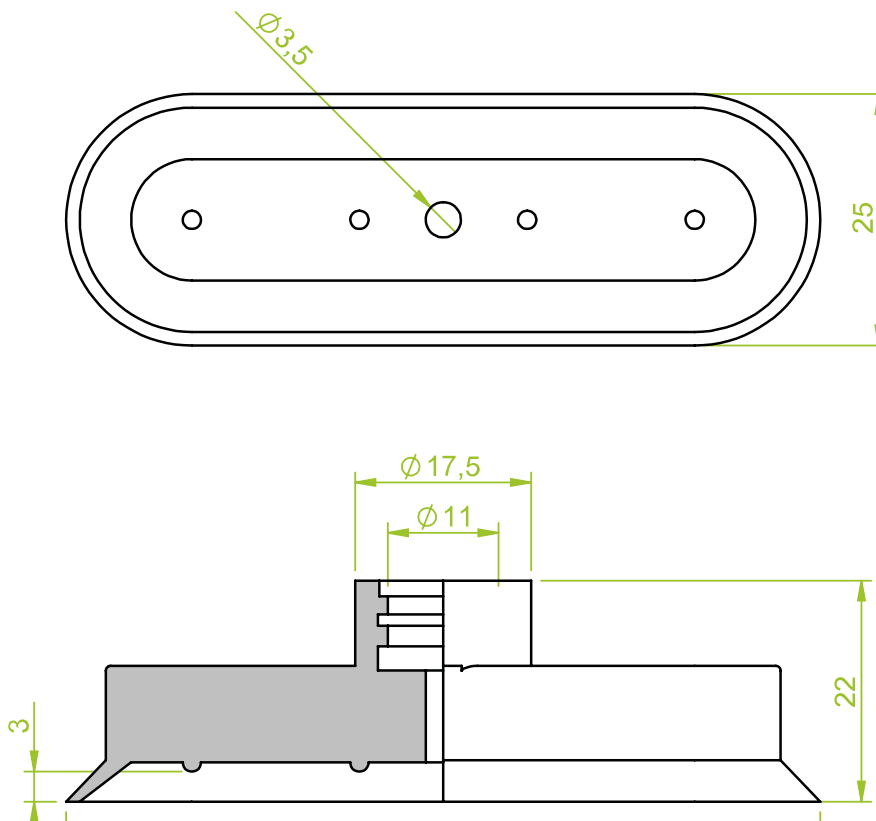
Gewinde
Thread



mm

g

30.075025.024._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

130.097

1/4" AG

130.098

1/4" IG

130.245

1/4" AG



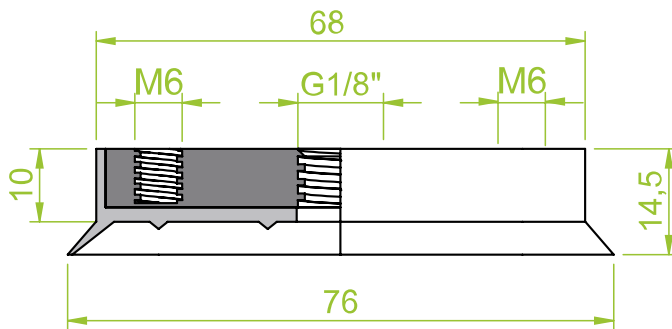
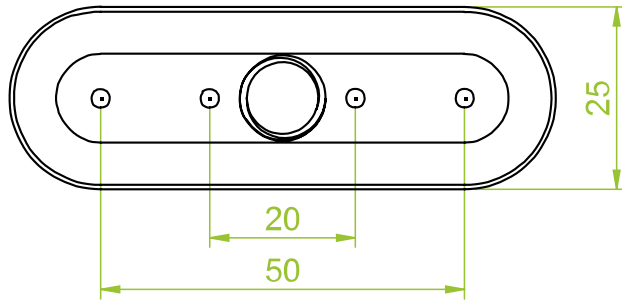
3mm

15g

351 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

33.075025.022._

vulkanisiert



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

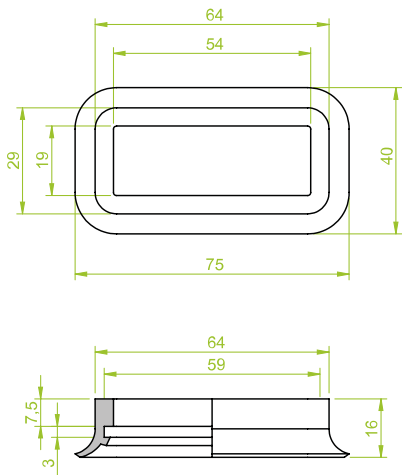


5mm

23g

30.075040.049._

31.075040.006._



Materialcode

02 Silikon

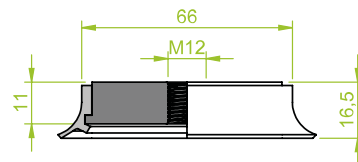
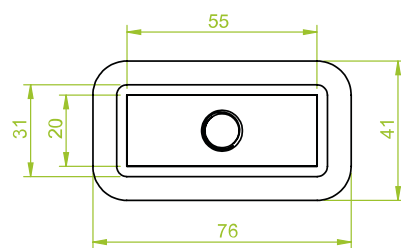
Halter
Fitting

Gewinde
Thread



1.5mm

16g



Materialcode

02 Silikon

Halter
Fitting



Gewinde
Thread





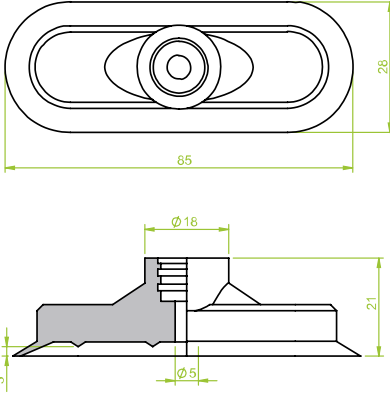
1.5mm



49g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*



33.080040.103._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
mm	0g

30.085028.025._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.097	1/4" AG
130.098	1/4" IG
130.245	1/4" AG
	
4mm	20g



30.085028.063._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
4mm	20g

vulkanisiert

33.090030.102._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
mm	0g

353 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

30.090050.066._		
vulkanisiert		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
6mm	69.8g	

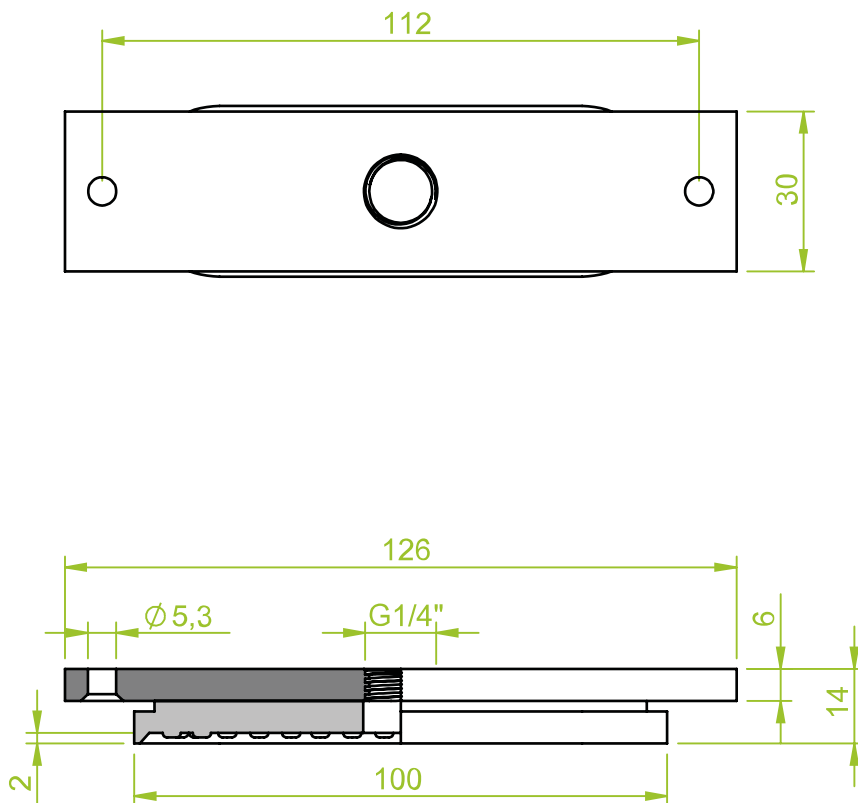
33.096027.023._		
vulkanisiert		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
6.5mm	30g	

35.100030.055._		
vulkanisiert		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
5mm	153g	

35.100030.056._		
vulkanisiert		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
5mm	120g	

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

33.100032.006._



Materialcode

02 Silikon

Halter
FittingGewinde
Thread

2mm



73g

33.100032.007._

Materialcode

02 Silikon

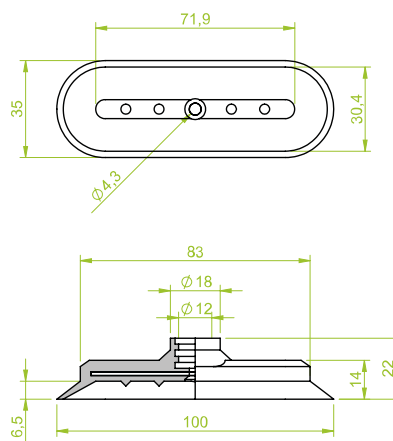
Halter
FittingGewinde
Thread

2.5mm



150g

30.100035.026._



Materialcode

02 Silikon

Halter
FittingGewinde
Thread130.097
130.0981/4" AG
1/4" IG

4mm



32g

355 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

<p>30.100035.064._</p>	<p style="border: 1px dashed gray; padding: 2px;">vulkanisiert</p>		<p>33.100050.104._</p>
Materialcode		Materialcode	
02 Silikon		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.097 130.098	1/4" AG 1/4" IG		
4mm	32g	mm	0g

<p>35.100055.007._</p>	<p style="border: 1px dashed gray; padding: 2px;">vulkanisiert</p>		<p>35.100055.054._</p>
Materialcode		Materialcode	
02 Silikon		02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
7mm	100g	7mm	140g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

33.110065.032._

vulkanisiert

	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
4mm	107.8g	

33.116027.024._

vulkanisiert

	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
6.5mm	38g	

357 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

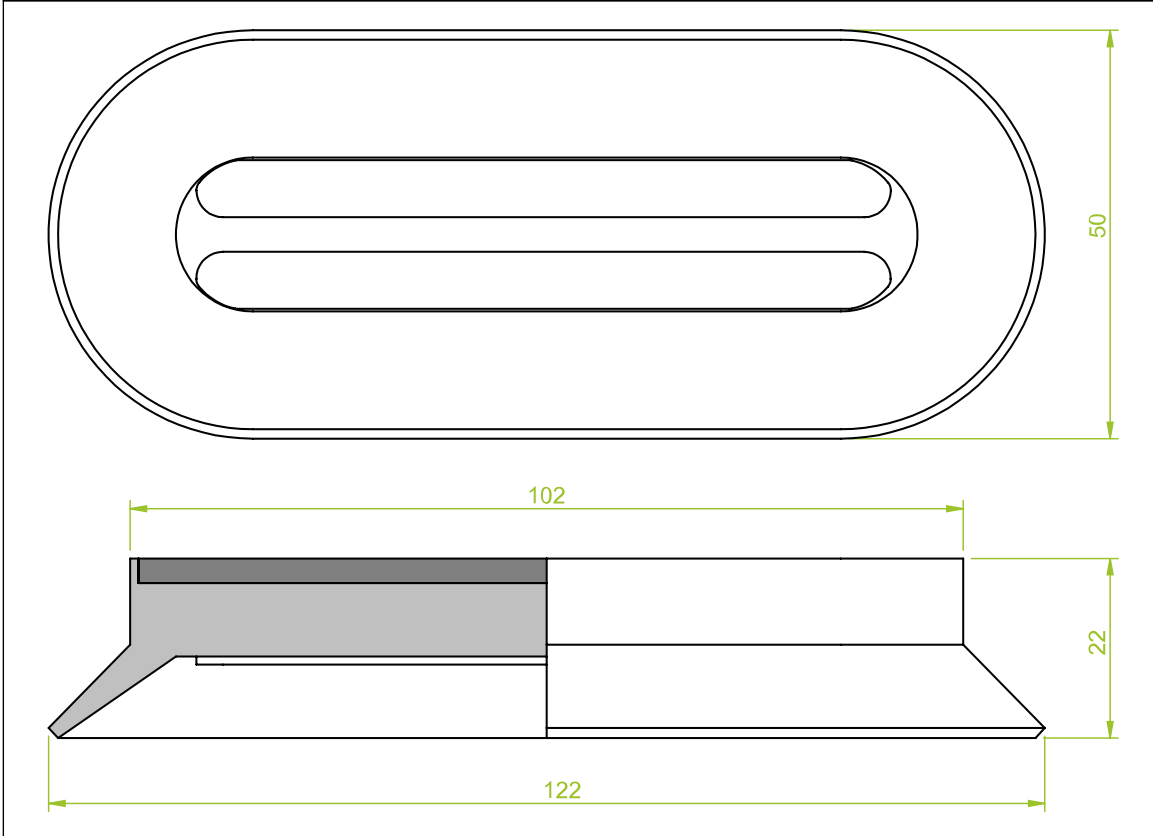
35.120030.018._	vulkanisiert	33.120060.105._	
Materialcode		Materialcode	
02 Silikon		02 Silikon	
Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
3mm		110g	
mm		0g	

30.120090.050._		31.120090.008._	
Materialcode		Materialcode	
02 Silikon		02 Silikon	
Halter <i>Fitting</i>		Gewinde <i>Thread</i>	
1.5mm		40g	
1.5mm		255g	

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

35.125055.019._

vulkanisiert



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
9mm	192g

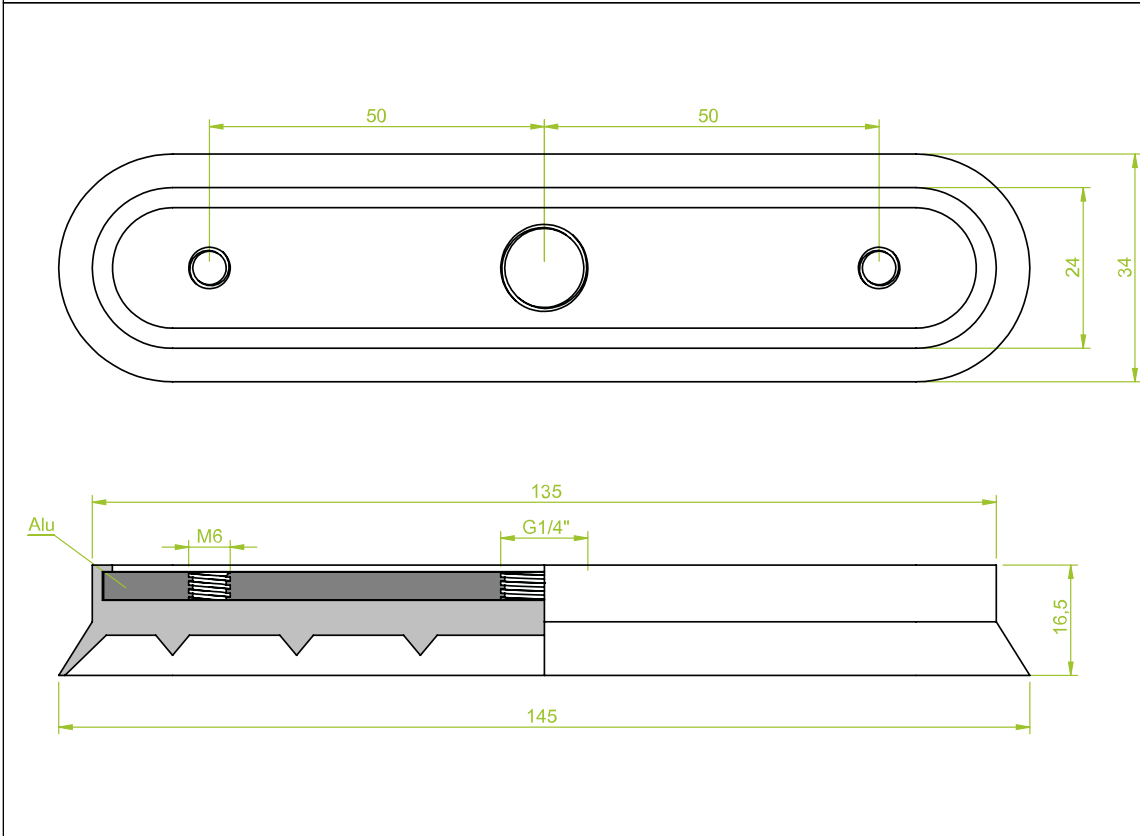
33.140070.106._

Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
mm	0g

359 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

33.145034.026._

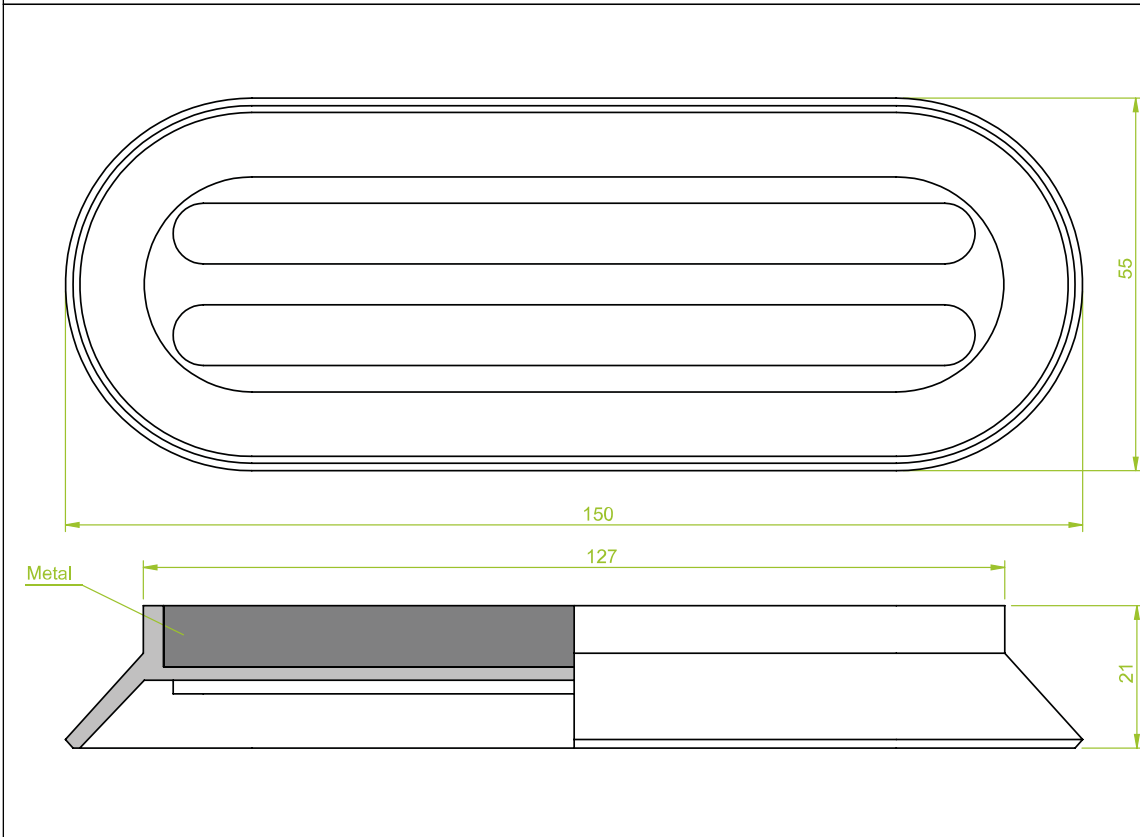
vulkanisiert



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
7.5mm	50g

35.150055.021._

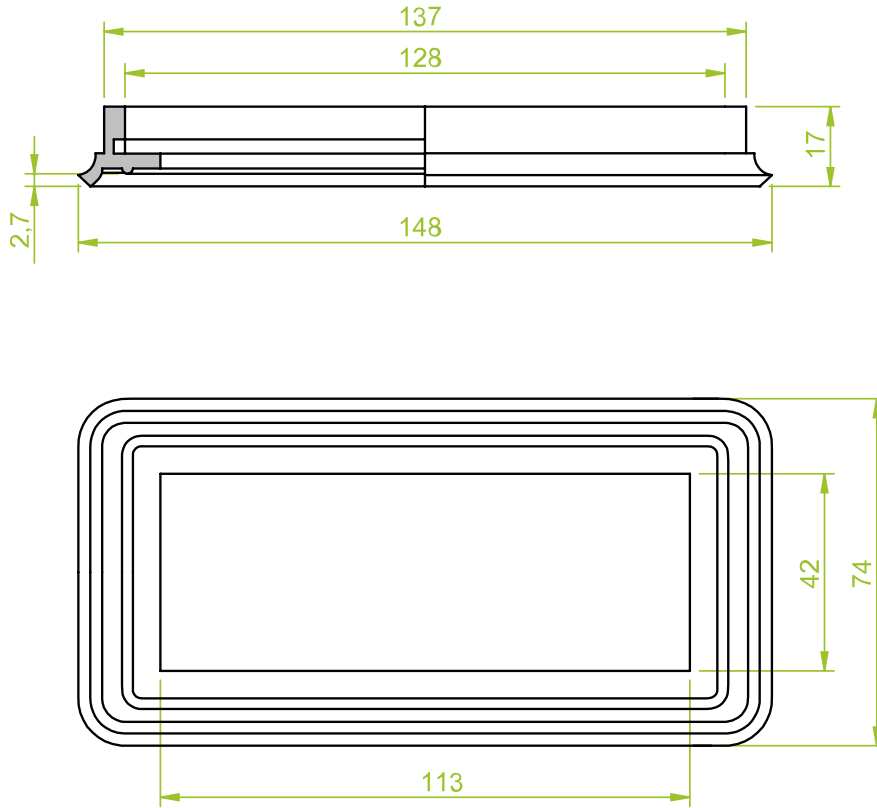
vulkanisiert



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
7mm	255g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

30.150075.001._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread

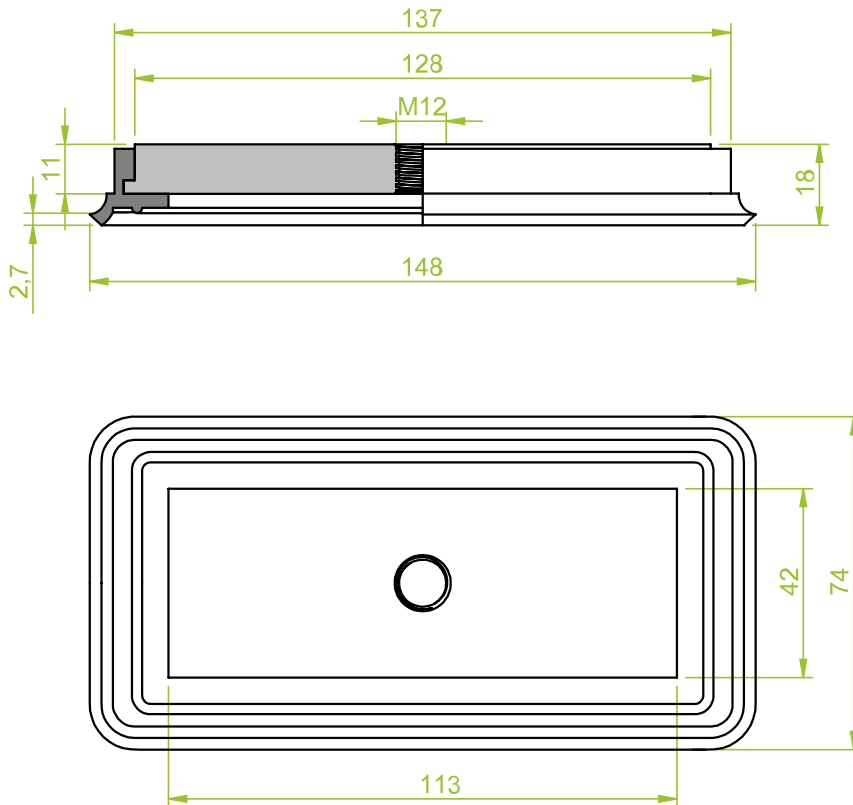


1.5mm



50g

31.150075.001._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread





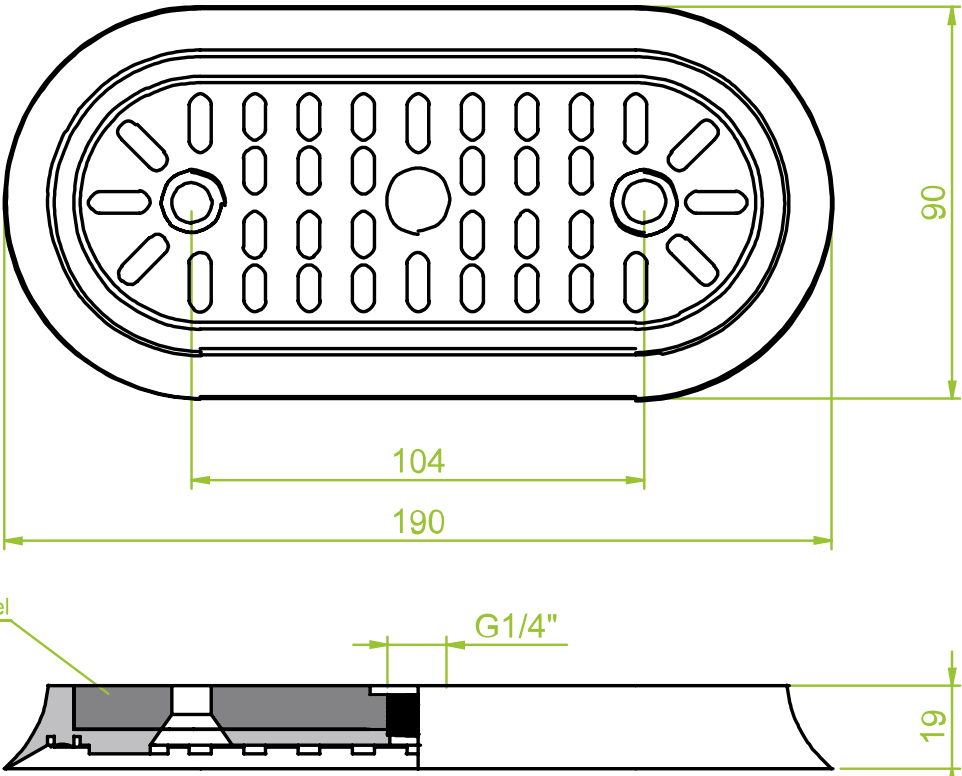


1.5mm



260g

361 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

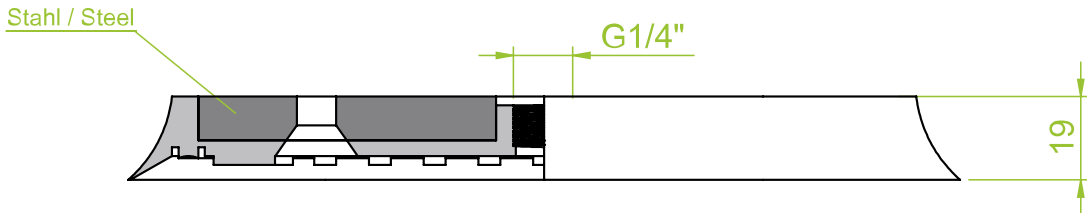
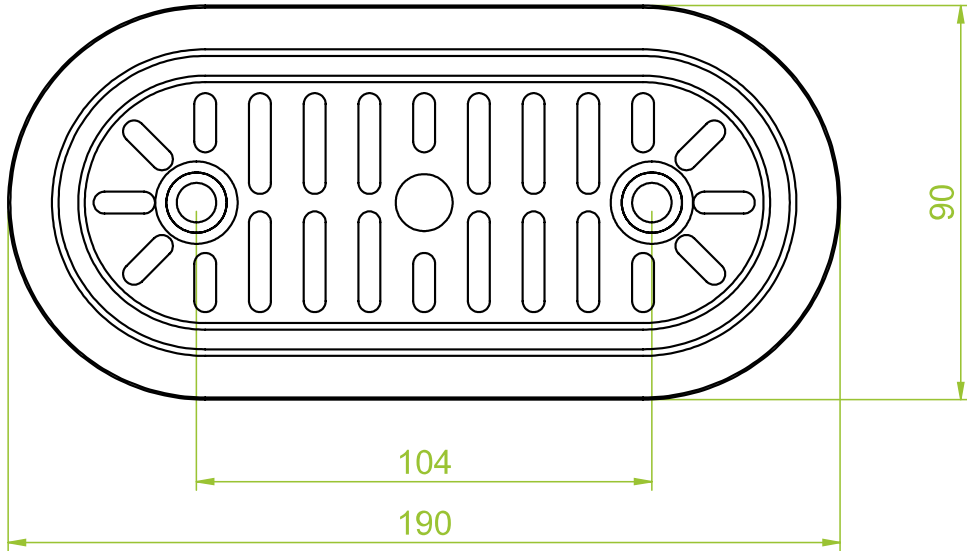
30.180006.018._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
mm	g

33.190090.004._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
Stahl / Steel		G1/4"	
19		5.5mm	
g			

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

33.190090.034._

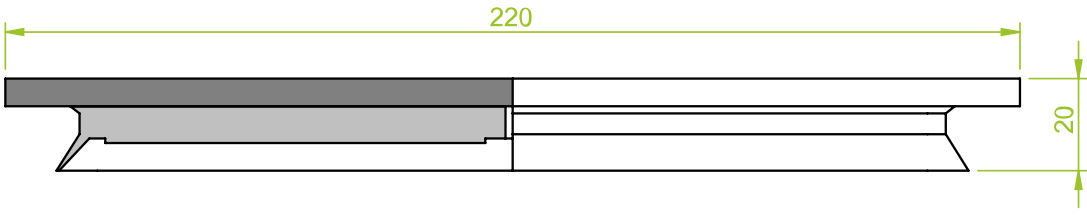
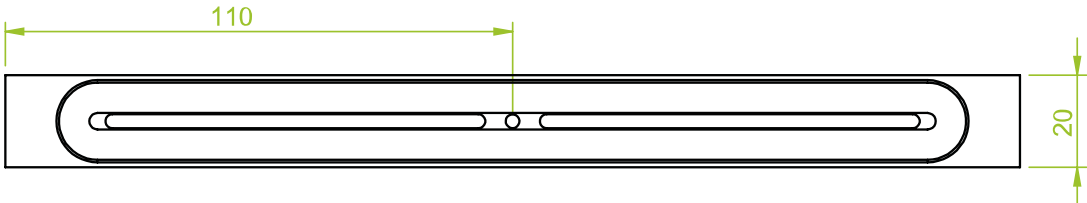
vulkanisiert



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
2mm	294.5g

35.200020.022._

vulkanisiert



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
5mm	220g

363 Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

33.200030.021._

vulkanisiert





<p style="margin-left: 20px;">Metal</p>	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
4mm	124g	



35.200030.023._

vulkanisiert

	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
4mm	286g	

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

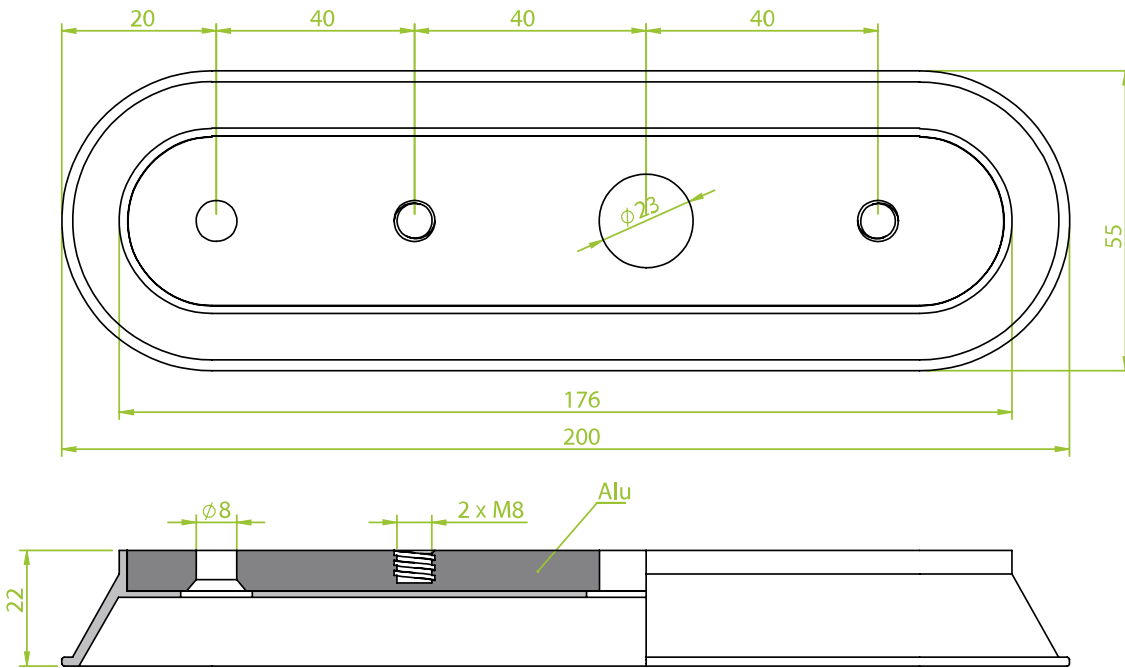
35.200035.024._		vulkanisiert		35.200040.025._		vulkanisiert	
		Materialcode				Materialcode	
		02 Silikon				02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>			Halter <i>Fitting</i>	Gewinde <i>Thread</i>
							
		0mm	300g			9mm	140g

35.200040.026._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
		9mm	80g

365 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

33.200055.027._

vulkanisiert



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread



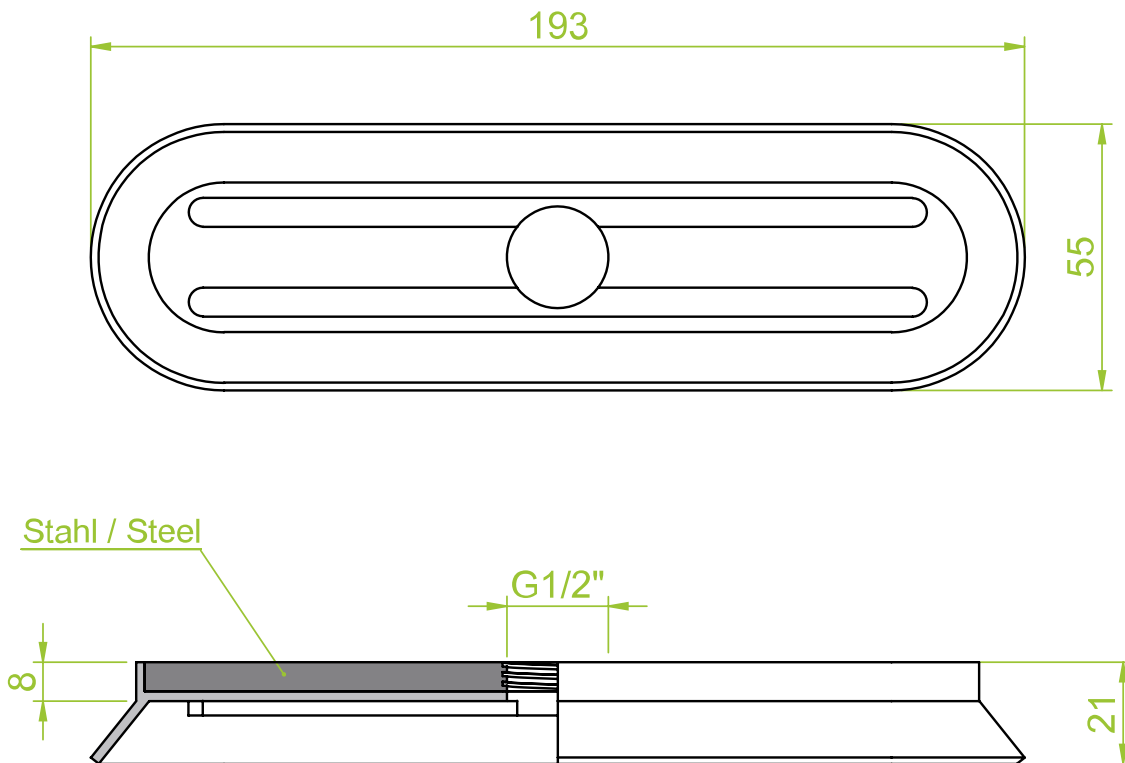
7mm



147.3g

33.200055.039._

vulkanisiert



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread



7mm



151.6g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

35.200055.027._ vulkanisiert

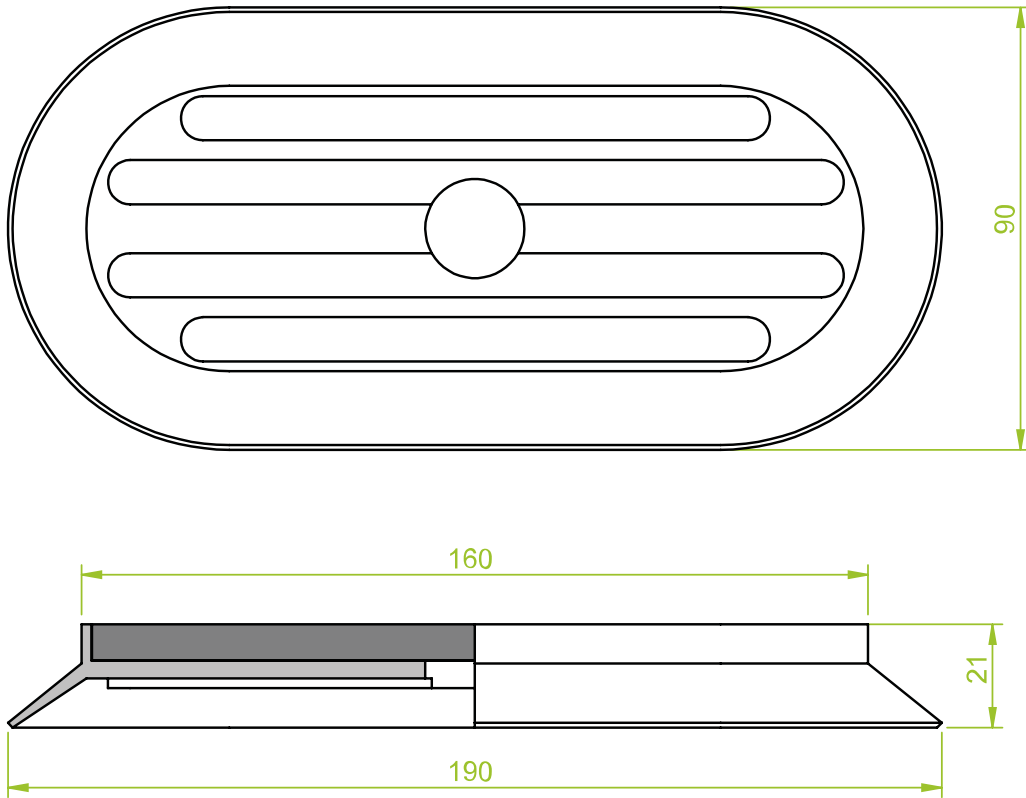
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
6.7mm	161.2g

35.200080.028._ vulkanisiert

Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
4mm	460g

367 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

35.200100.032._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread



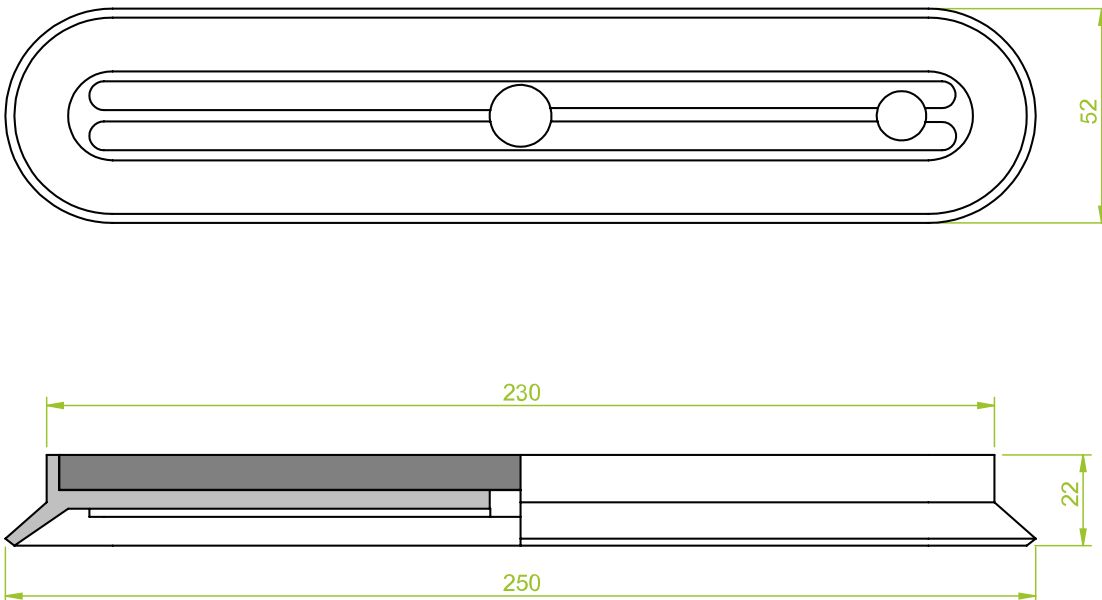
8mm



450g

35.250055.005._

vulkanisiert



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread







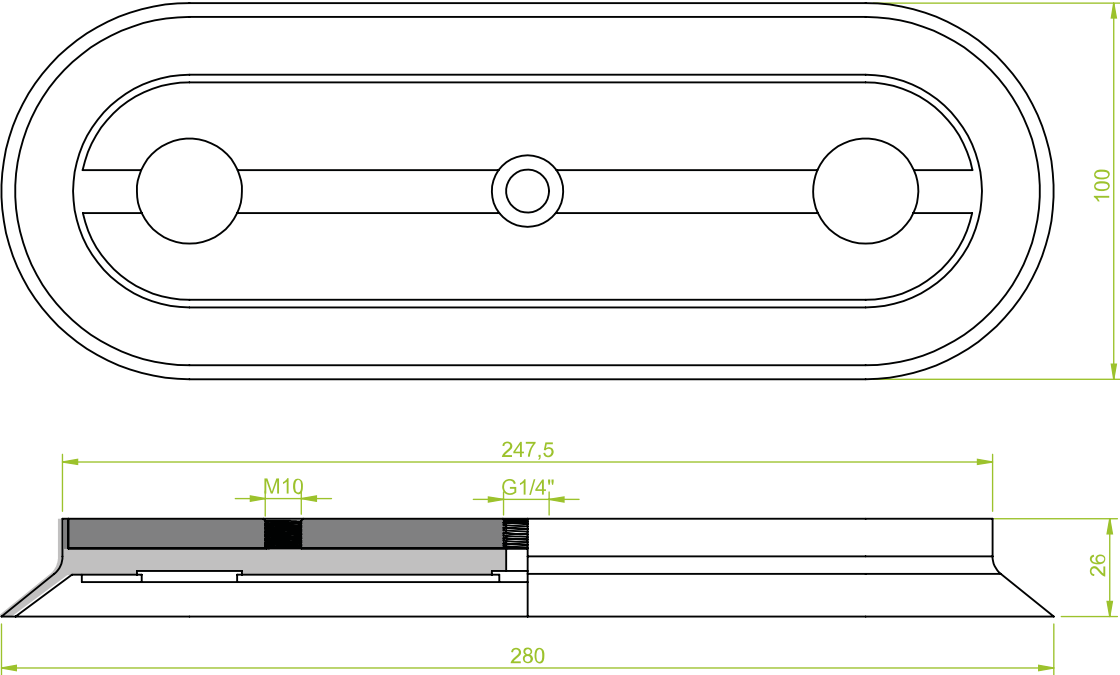


8mm



460g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

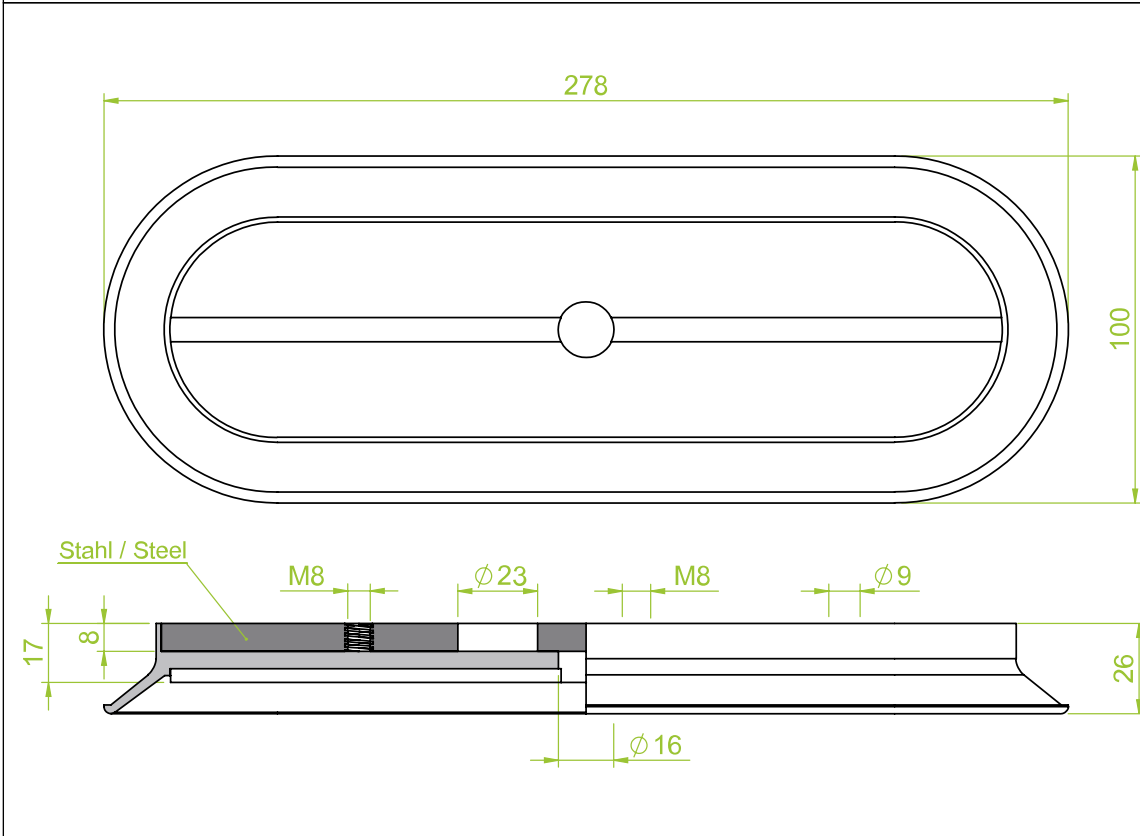
35.250080.029._		vulkanisiert		35.250080.030._		vulkanisiert	
				Materialcode		Materialcode	
				02 Silikon		02 Silikon	
				Halter <i>Fitting</i>	Gewinde <i>Thread</i>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
							
				10mm	500g	10mm	350g

33.280100.033._		vulkanisiert		
			Materialcode	
			02 Silikon	
			Halter <i>Fitting</i>	Gewinde <i>Thread</i>
				
			10mm	530g

369 Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

33.280100.043._

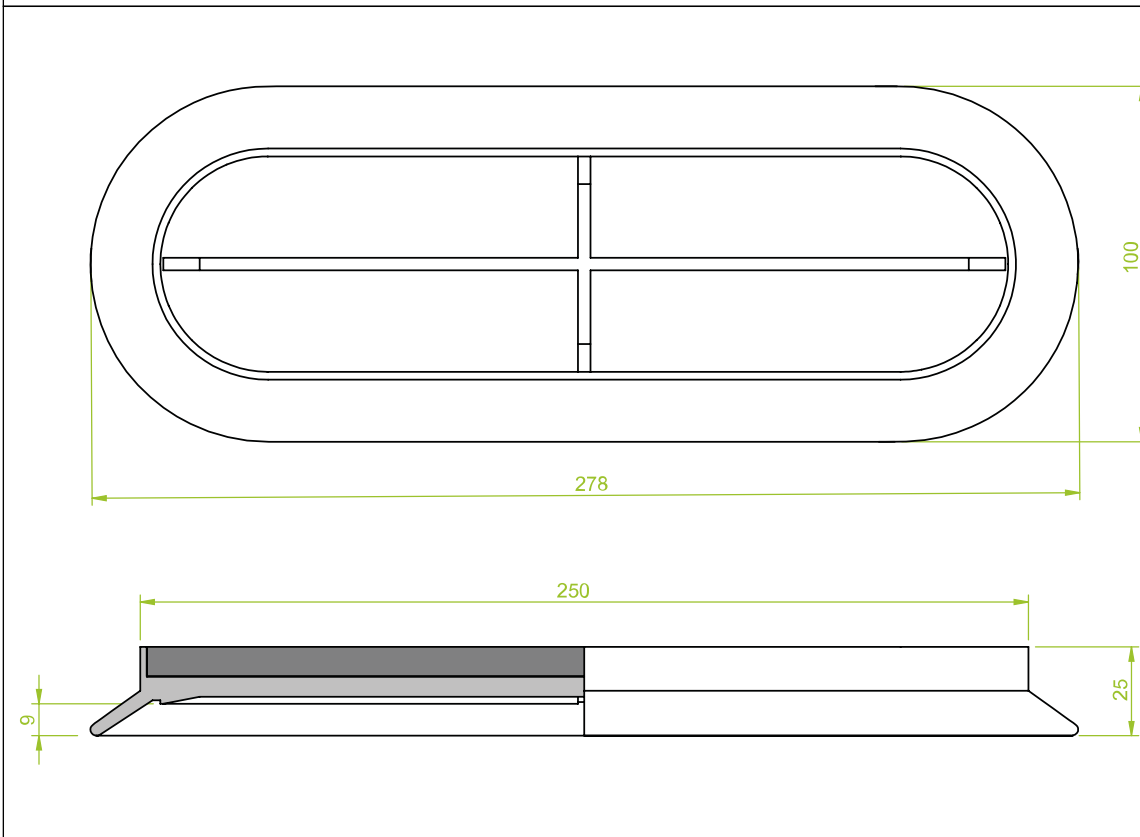
vulkanisiert



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
9mm	512g

35.280100.001._

vulkanisiert



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
10mm	1180g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

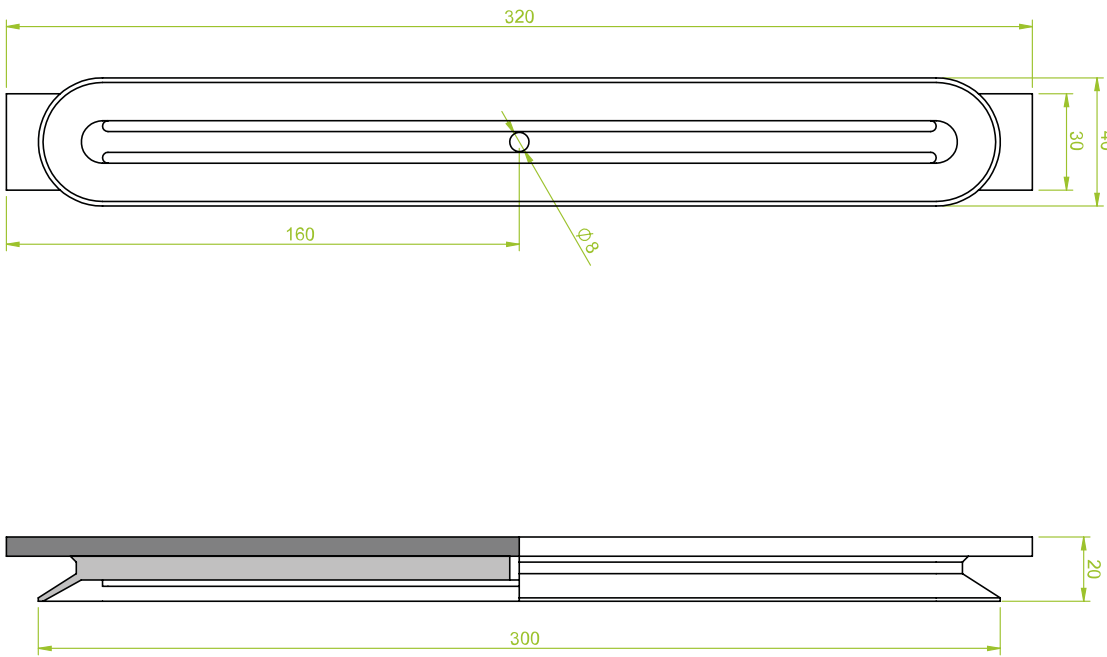
35.280100.033._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		10mm	530g

35.300030.037._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		5mm	500g

371 Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

35.300040.038._

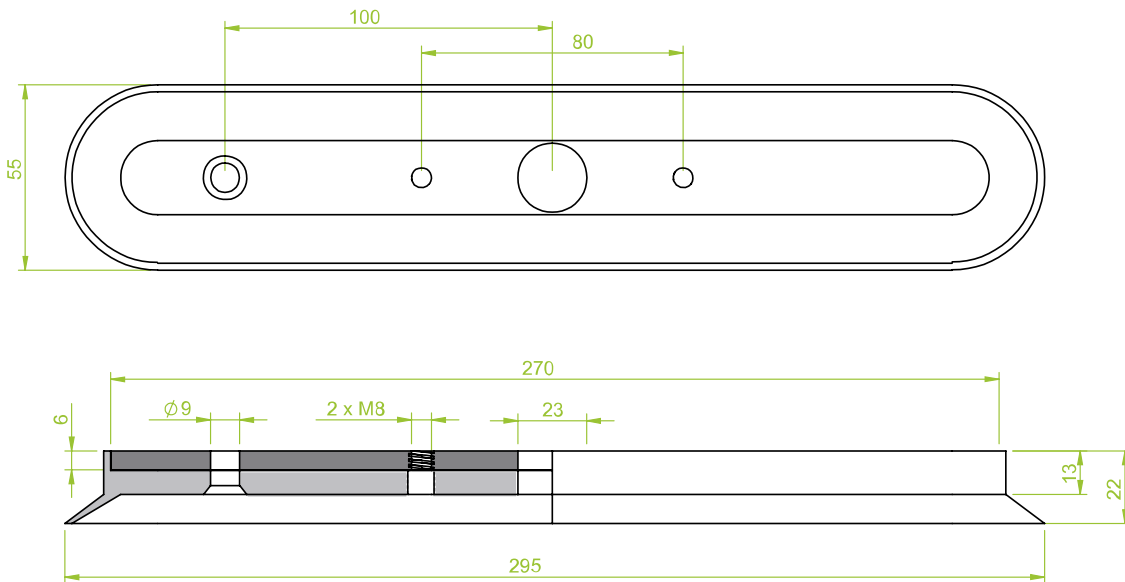
vulkanisiert



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
7mm	500g

33.300055.029._

vulkanisiert



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
9mm	218g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

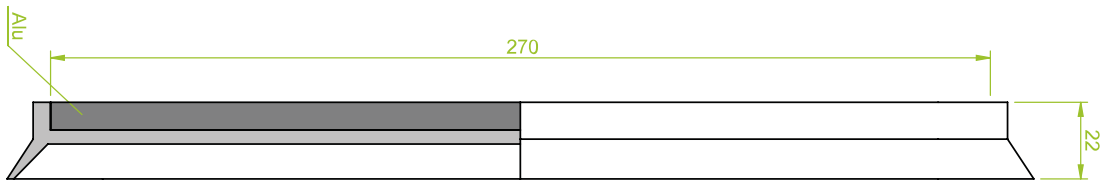
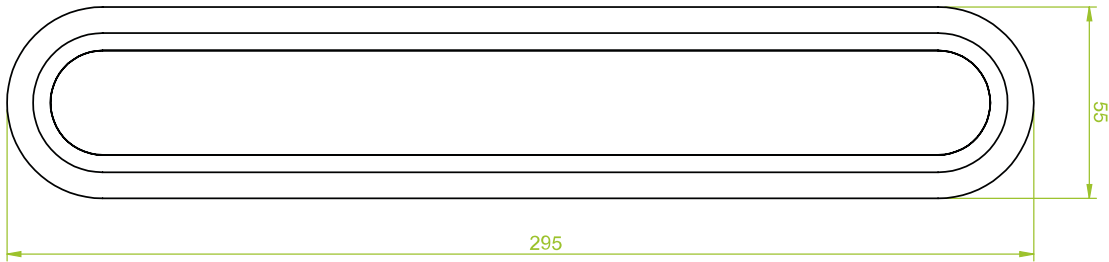
35.300055.006._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		8mm	550g

35.300055.035._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		8mm	300g

373 Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

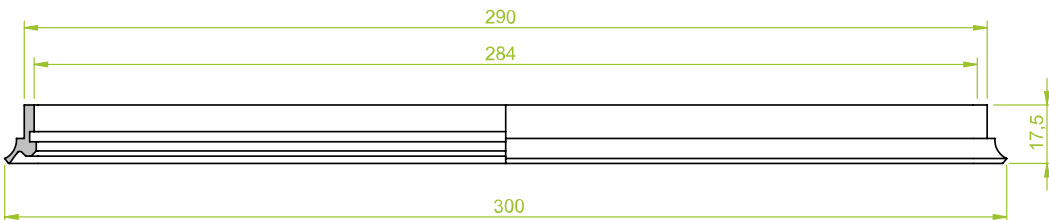
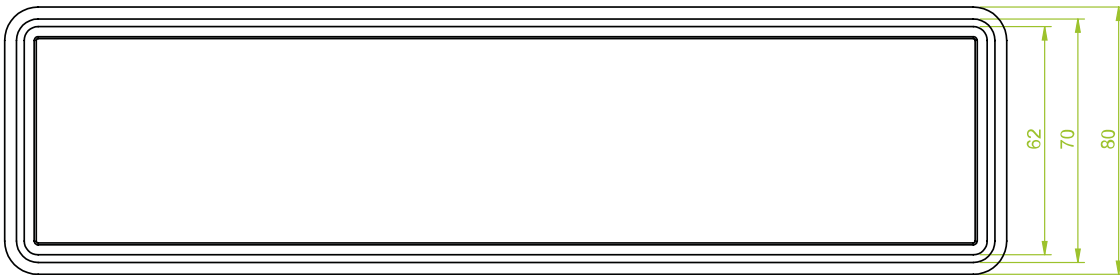
35.300055.036._

vulkanisiert



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
9mm	240g

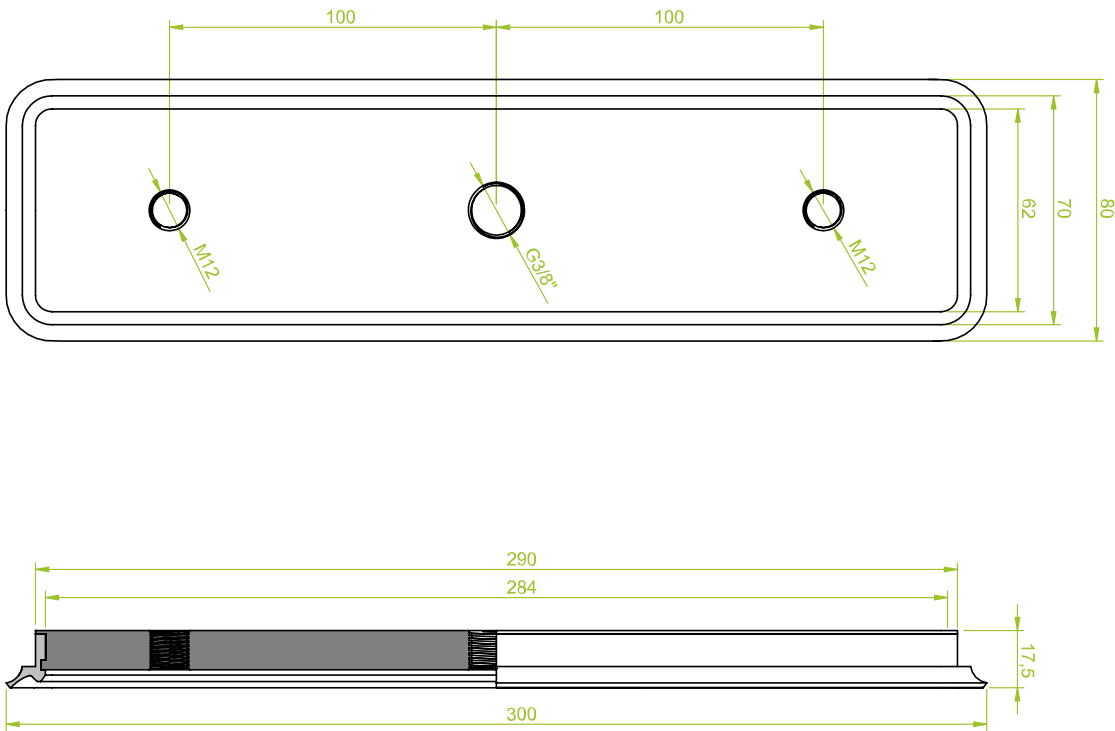
30.300080.051._



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
1.5mm	100g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

31.300080.010._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread



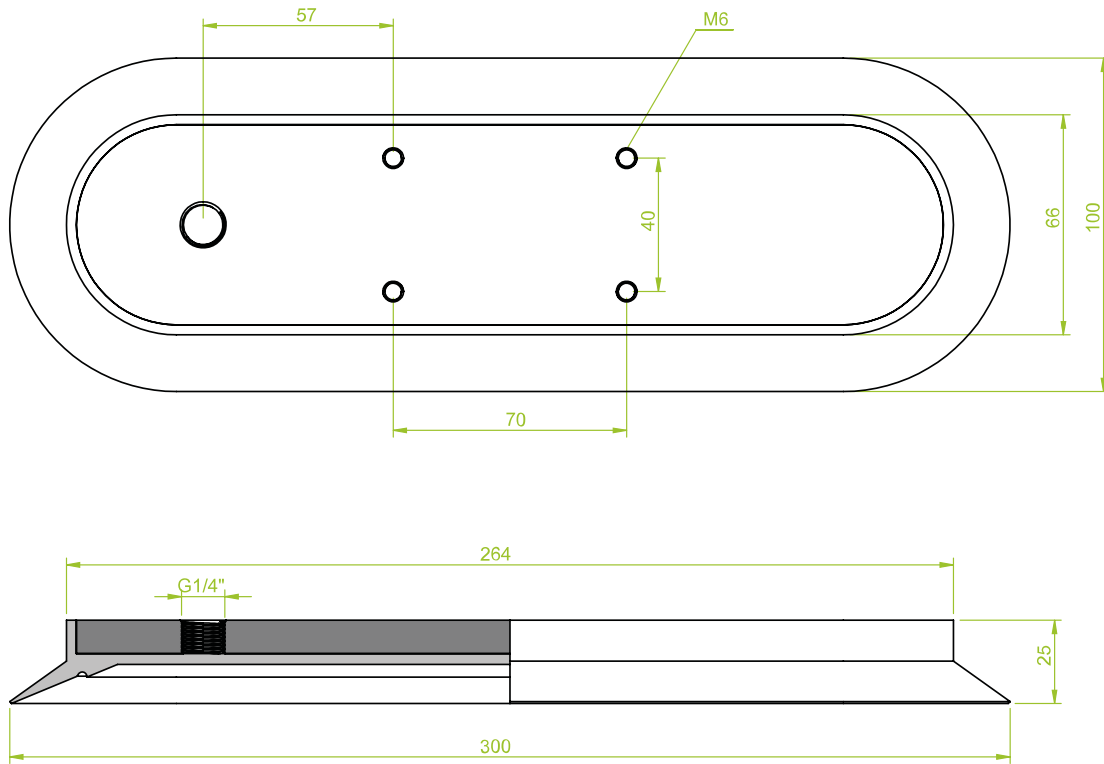
1.5mm



500g

33.300100.030._

vulkanisiert



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread







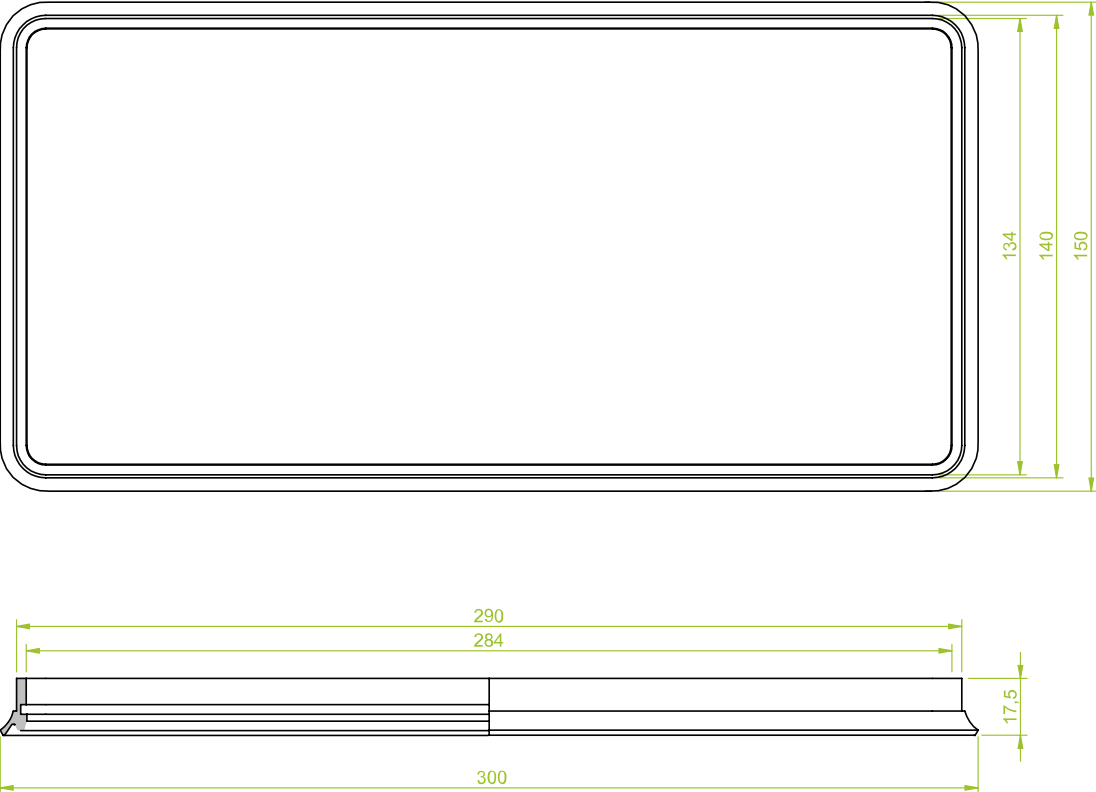


9mm



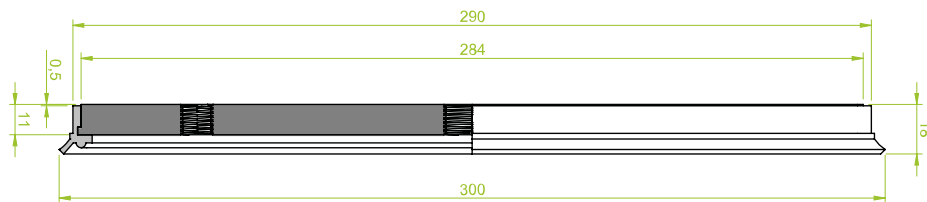
1275g

375 Oval-Rechteck-Flachsauer | *Oval Rectangular Flat cups*

35.300120.040._	vulkanisiert	35.300120.041._	vulkanisiert
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		 17mm	 1260g
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		 17mm	 570g

30.300150.052._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	 1.5mm	 0g

31.300150.011._



Materialcode

02 Silikon

Halter
FittingGewinde
Thread

1.5mm



380g

35.370070.042._

vulkanisiert

Materialcode

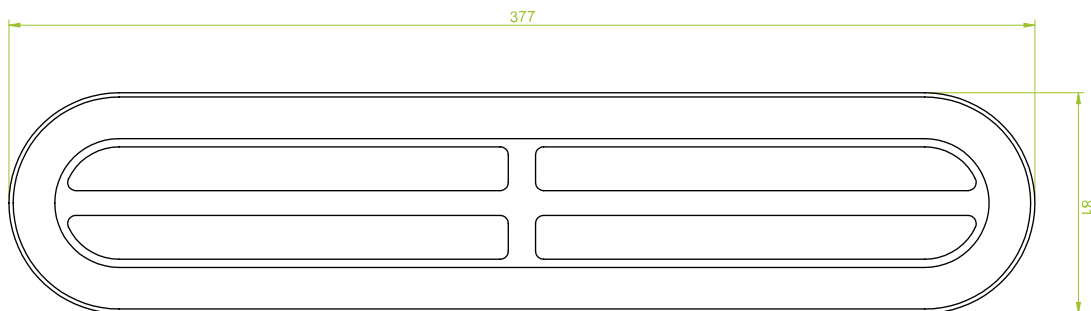
02 Silikon

Halter
FittingGewinde
Thread

10mm



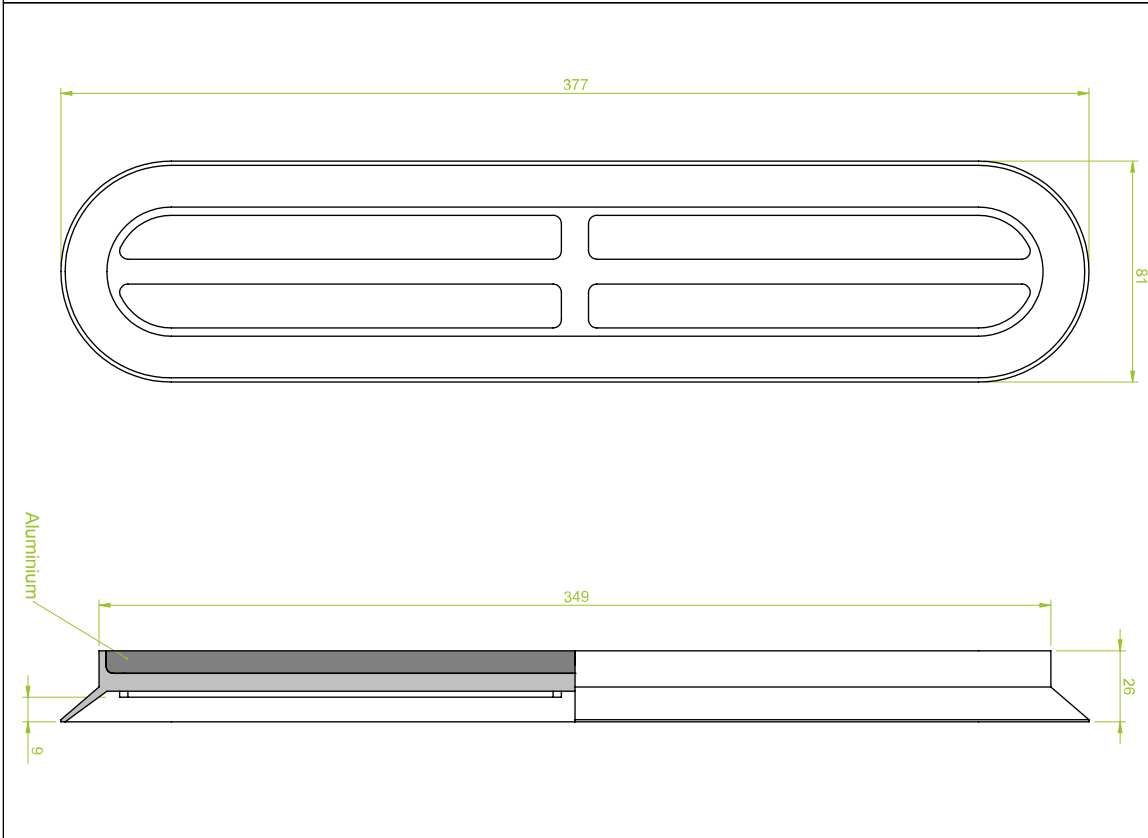
550g



377 Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

35.370070.043._

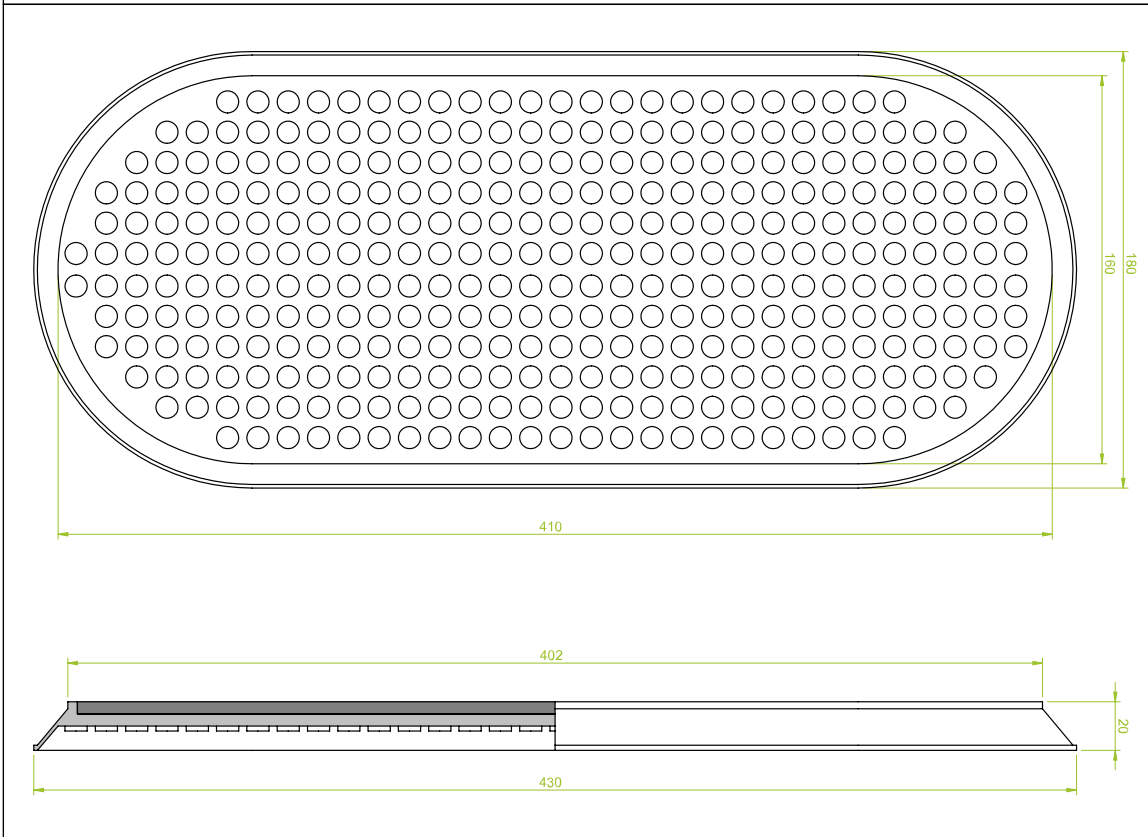
vulkanisiert



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
10mm	300g

35.430180.003._

vulkanisiert

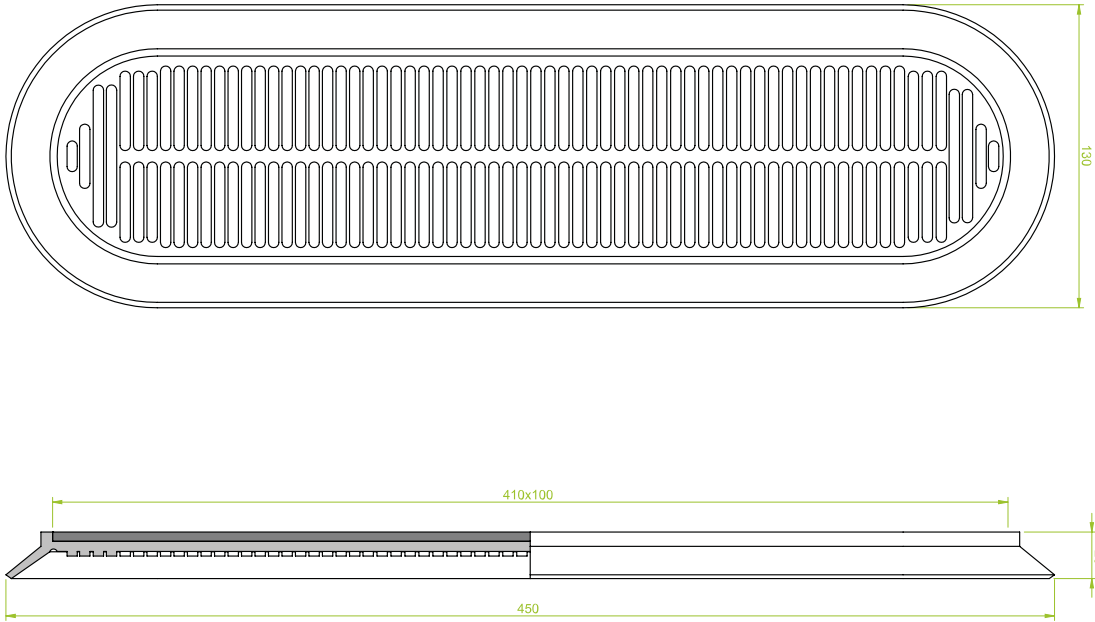


Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
6mm	3720g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

35.450130.002._

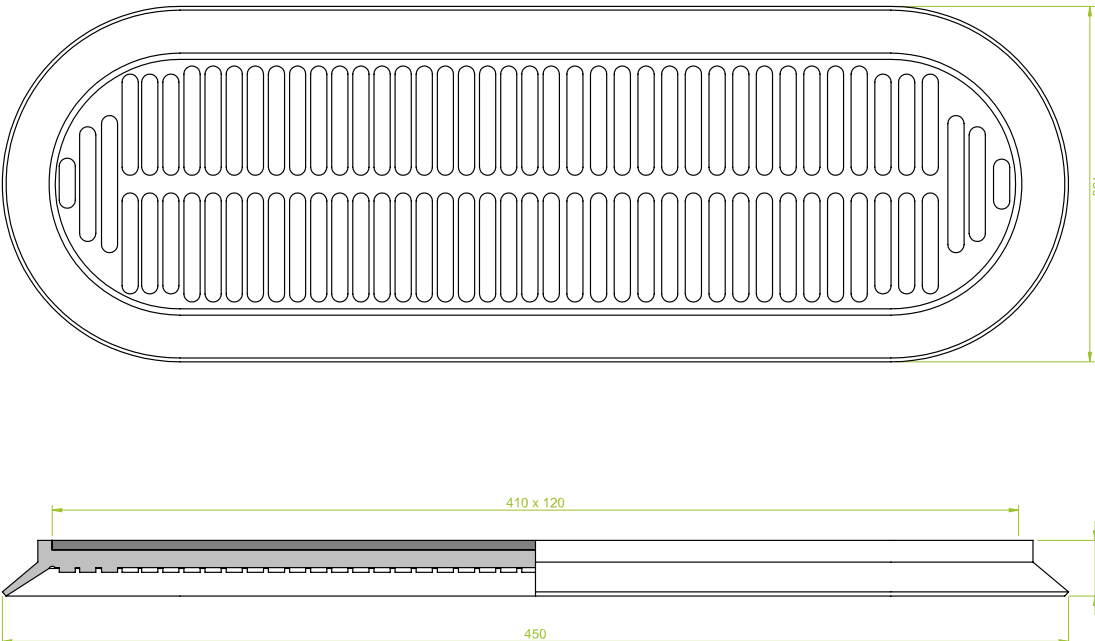
vulkanisiert



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
6mm	2400g

35.450150.008._

vulkanisiert

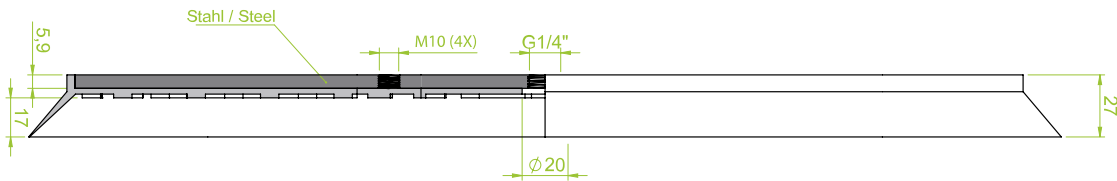
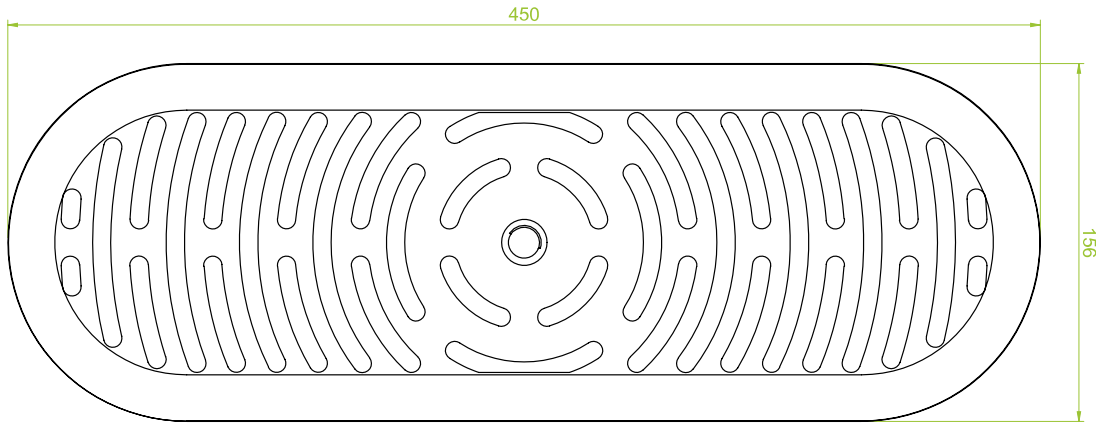


Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
9mm	2560g

379 Oval-Rechteck-Flachsauer I *Oval Rectangular Flat cups*

33.450156.035._

vulkanisiert



Materialcode	
03 NR	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
4mm	3830g

35.470060.044._

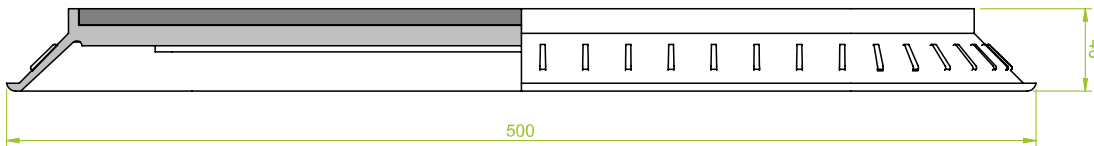
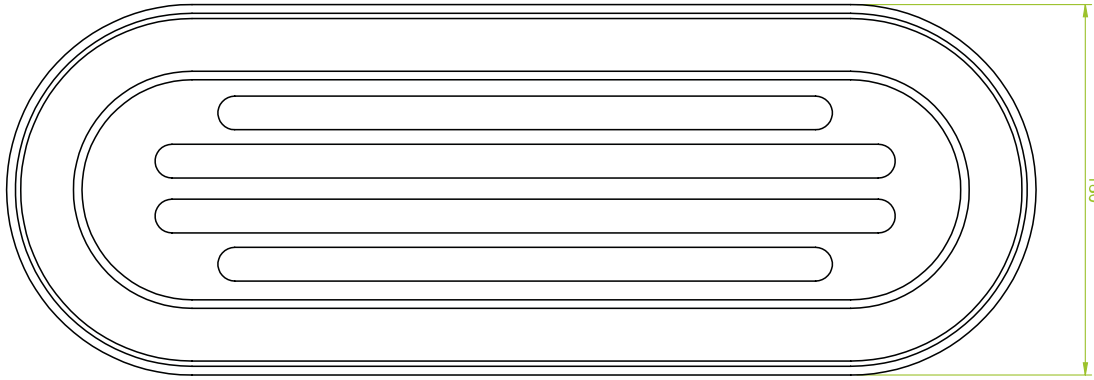
vulkanisiert

Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
0mm	1030g

Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

35.500180.046._

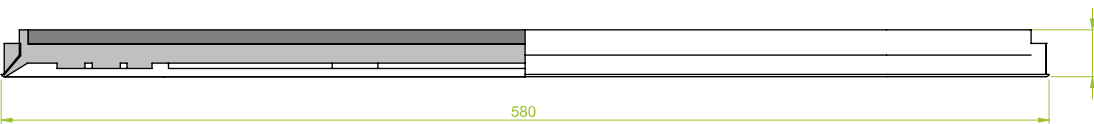
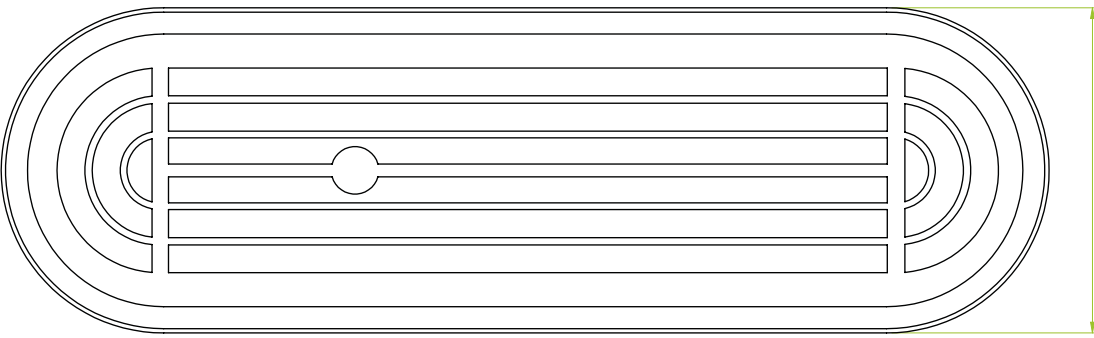
vulkanisiert



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
21mm	3500g

35.580180.048._

vulkanisiert



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
10mm	3500g

381 Oval-Rechteck-Flachsauger | *Oval Rectangular Flat cups*

35.750200.049_

vulkanisiert

Materialcode

02 Silikon

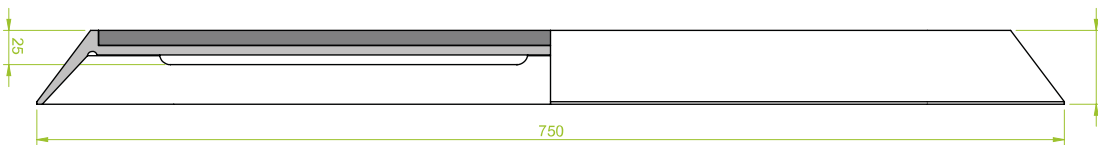
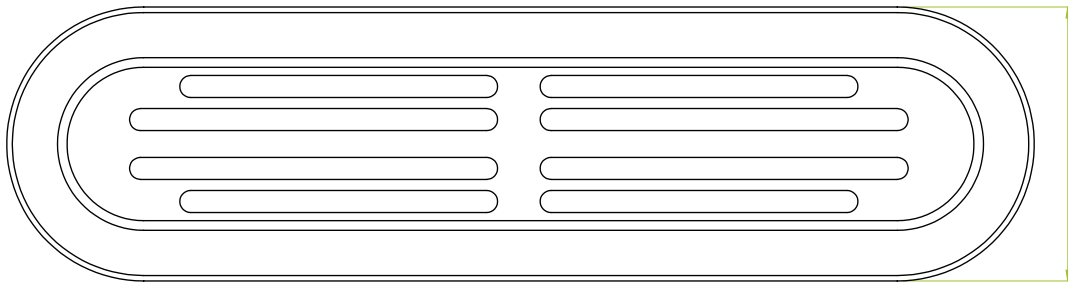
Halter
Fitting

Gewinde
Thread



29mm

3500g



Oval-Rechteck-Balgensauger | *Oval Rectangular Bellow cups*


Aufbau & Ausführungen | *Structure & Versions*

Ohne Anschlussteil
Without fitting
40.



40.025008.011._
Abmessungen: 25 x 8 mm

Inkl. Anschluss, vulkanisiert, Innengewinde
Incl. vulcanized fitting, female thread
43.



43.097055.001._
Abmessungen: 97 x 55 mm

Inkl. Anschluss, vulkanisiert, Aussengewinde
Incl. vulcanized fitting, male thread
44.



44.050025.001._
Abmessungen: 50 x 25 mm

Vulkanisiert, ohne Gewinde/Bohrung
Vulcanized, without thread/hole
45.

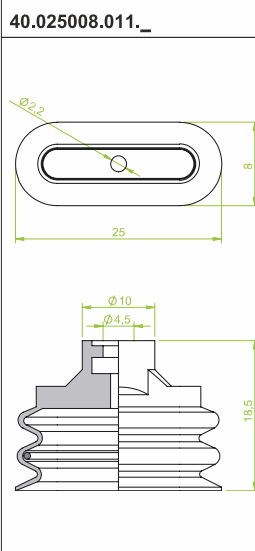


45.200100.001._
Abmessungen: 200 x 8 mm

Example: Oval- Rechteck- Balgensauger ohne Anschlussteil 25 x 8 mm, verfügbar in den Materialien NBR und Silikon.
Oval rectangular bellow cups without fitting 25 x 8 mm, available in the materials NBR and silicone.

Art .Nr.
NO.

40.025008.011._



Materialcode	
01 NBR	02 Silikon
Halter	Gewinde
Fitting	Thread
130.005	M5 IG
130.037	M5 AG
130.094	M5 AG
130.095	1/8" AG
130.096	1/8" IG
130.103	M6 AG
130.200	M5 AG
7mm	2g

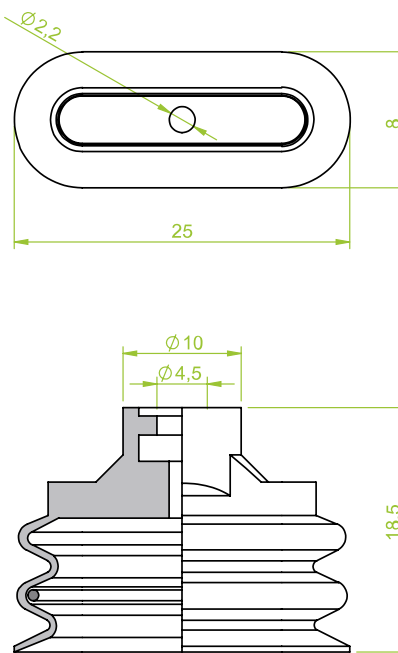






Ergänzung zur Art.Nr. Bei Bestellung
Supplement to the NO. When ordering

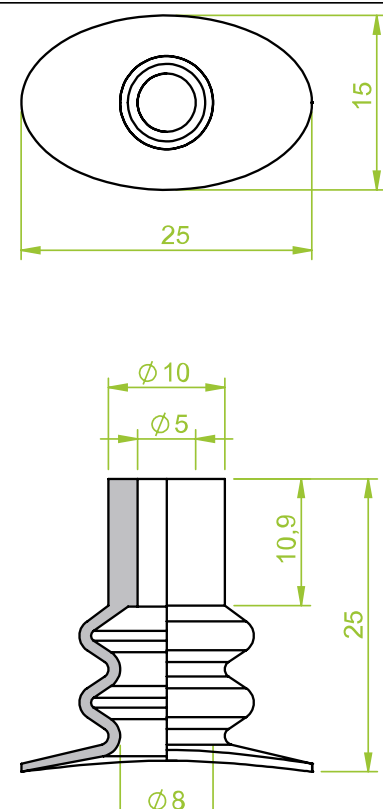






Passendes Befestigungselement
Suitable mounting element

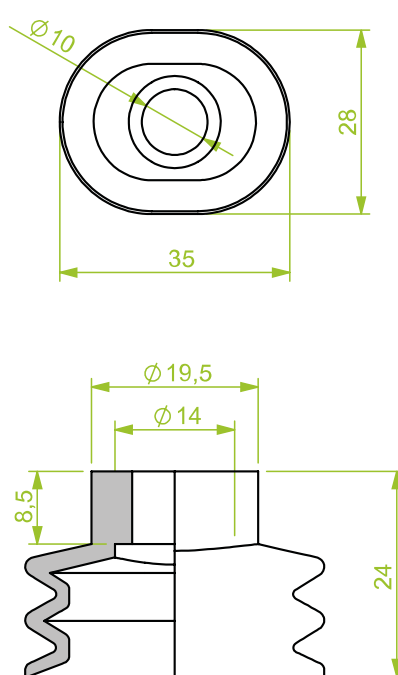






Hub / Travel

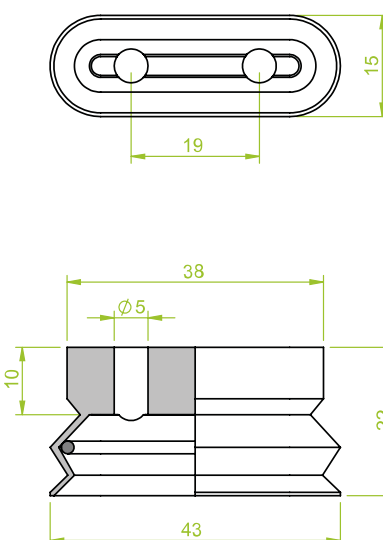






Gewicht / Weight

Eigenschaften der Saugermaterialien auf Seite 24 | *Properties of vacuum cup materials at page 24*

40.025008.011._																			
	Materialcode																		
	02 Silikon																		
	<table border="1"> <thead> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <th>Fitting</th> <th>Thread</th> </tr> </thead> <tbody> <tr> <td>130.005</td> <td>M5 IG</td> </tr> <tr> <td>130.037</td> <td>M5 AG</td> </tr> <tr> <td>130.094</td> <td>M5 AG</td> </tr> <tr> <td>130.095</td> <td>1/8" AG</td> </tr> <tr> <td>130.096</td> <td>1/8" IG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.200</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter	Gewinde	Fitting	Thread	130.005	M5 IG	130.037	M5 AG	130.094	M5 AG	130.095	1/8" AG	130.096	1/8" IG	130.103	M6 AG	130.200	M5 AG
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Fitting	Thread																		
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130.103	M6 AG																		
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Halter	Gewinde																		
Fitting	Thread																		
																			
7mm	2g																		

40.025015.010._															
	Materialcode														
	02 Silikon														
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Halter	Gewinde														
Fitting	Thread														
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130.015	1/8" IG														
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130.109	1/8" IG														
130.238	1/8" AG														
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Halter	Gewinde														
Fitting	Thread														
															
10mm	2.7g														

40.035028.017._									
	Materialcode								
	02 Silikon								
	<table border="1"> <thead> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <th>Fitting</th> <th>Thread</th> </tr> </thead> <tbody> <tr> <td>130.046</td> <td>1/4" IG</td> </tr> <tr> <td>130.048</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter	Gewinde	Fitting	Thread	130.046	1/4" IG	130.048	1/4" AG
Halter	Gewinde								
Fitting	Thread								
130.046	1/4" IG								
130.048	1/4" AG								
	<table border="1"> <thead> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <th>Fitting</th> <th>Thread</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td>9mm</td> <td>7g</td> </tr> </tbody> </table>	Halter	Gewinde	Fitting	Thread			9mm	7g
Halter	Gewinde								
Fitting	Thread								
									
9mm	7g								

40.043015.018._									
	Materialcode								
	02 Silikon								
	<table border="1"> <thead> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <th>Fitting</th> <th>Thread</th> </tr> </thead> <tbody> <tr> <td>130.013</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter	Gewinde	Fitting	Thread	130.013	M5 AG		
Halter	Gewinde								
Fitting	Thread								
130.013	M5 AG								
	<table border="1"> <thead> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <th>Fitting</th> <th>Thread</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td>8.5mm</td> <td>7g</td> </tr> </tbody> </table>	Halter	Gewinde	Fitting	Thread			8.5mm	7g
Halter	Gewinde								
Fitting	Thread								
									
8.5mm	7g								

Oval-Rechteck-Balgensauger | *Oval Rectangular Bellow cups*

40.045015.012._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.097	1/4" AG
130.098	1/4" IG
130.245	1/4" AG
8.5mm	7g

40.045028.019._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.046	1/4" IG
130.048	1/4" AG
10mm	8g

44.050025.001._		vulkanisiert
Materialcode		
02 Silikon		
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
8mm	30g	

40.052025.006._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
13mm	11g

40.052025.015._		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.584 130.631		1/4" IG 3/8" IG	
		19mm	
		7.3g	

40.060021.020._		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.585 130.632		1/4" IG 3/8" IG	
		18mm	
		10.7g	

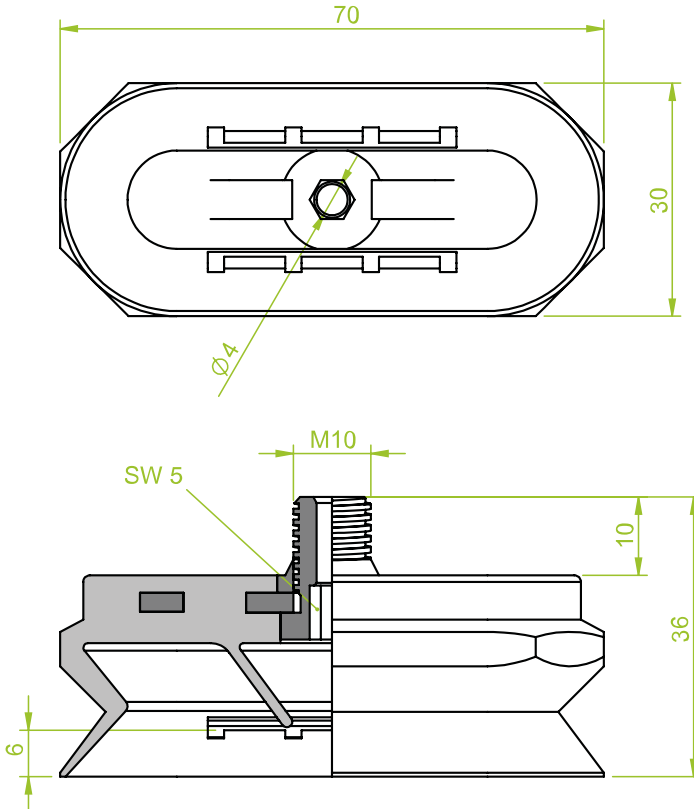
40.060029.007._		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
130.585 130.632		1/4" IG 3/8" IG	
		13mm	
		12g	

43.060030.101._		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		mm	
		0g	

Oval-Rechteck-Balgensauger | *Oval Rectangular Bellow cups*

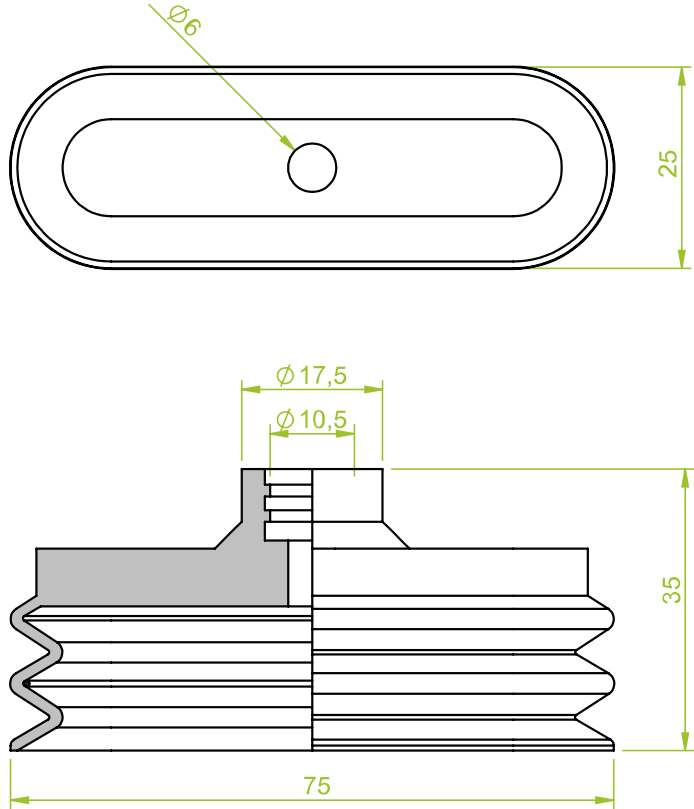
44.070030.002._

vulkanisiert



Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
8mm	42g

40.075025.013._



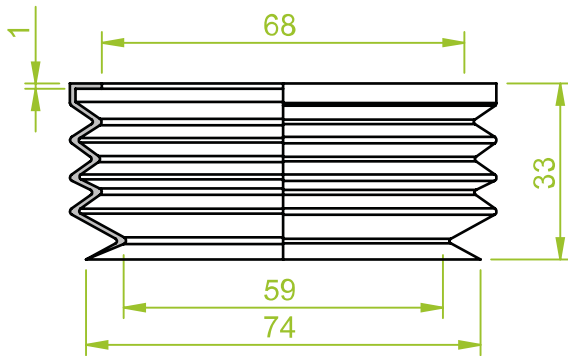
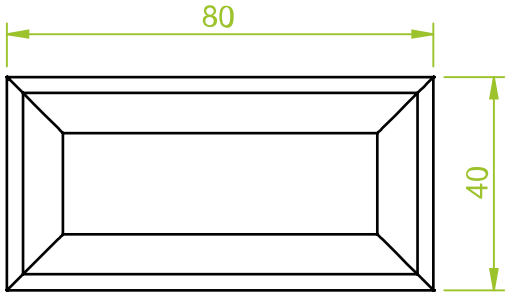
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
130.097	1/4" AG
130.098	1/4" IG
130.245	1/4" AG
10.5mm	20g

40.079029.008._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
mm	g	

40.080030.003._		
	Materialcode	
	02 Silikon	
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>
20mm	19g	

Oval-Rechteck-Balgensauger | *Oval Rectangular Bellow cups*

40.080040.001._



Materialcode

02 Silikon

Halter
Fitting

Gewinde
Thread



20mm

20g

43.080040.102._

Materialcode

02 Silikon

Halter
Fitting

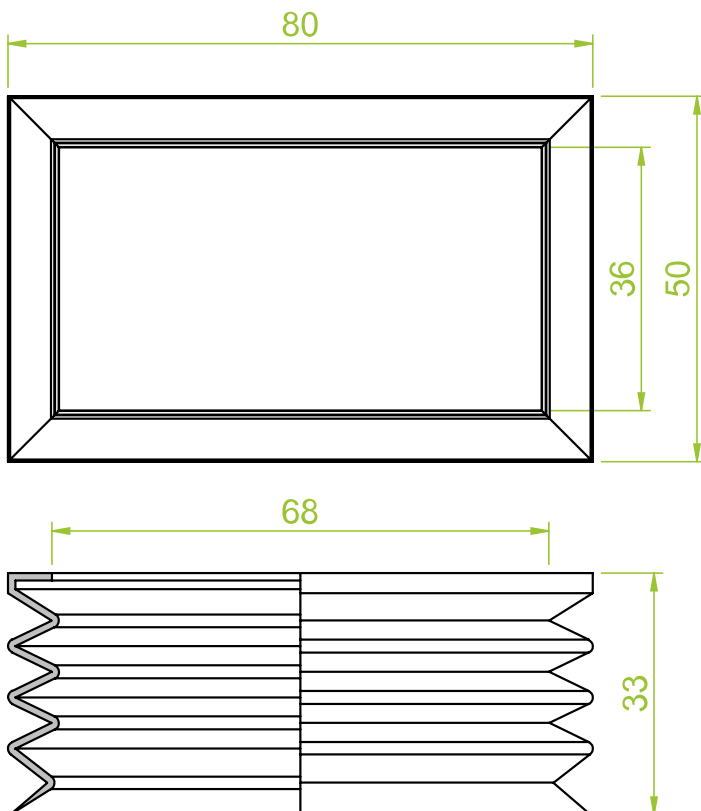
Gewinde
Thread



mm

0g

40.080050.004._



Materialcode

02 Silikon

Halter
FittingGewinde
Thread

130.624

1/4" IG



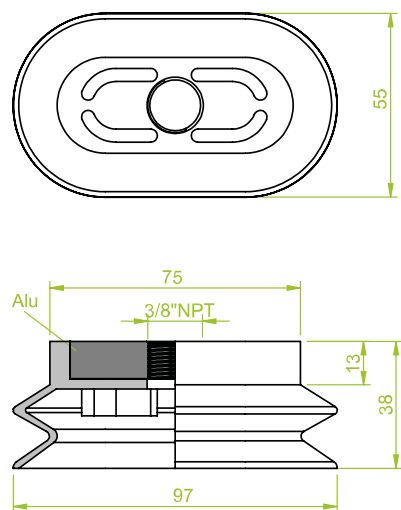
20mm



23g

43.097055.001._

vulkanisiert



Materialcode

02 Silikon

Halter
FittingGewinde
Thread

11mm



91g

43.100050.103._

Materialcode

02 Silikon

Halter
FittingGewinde
Thread

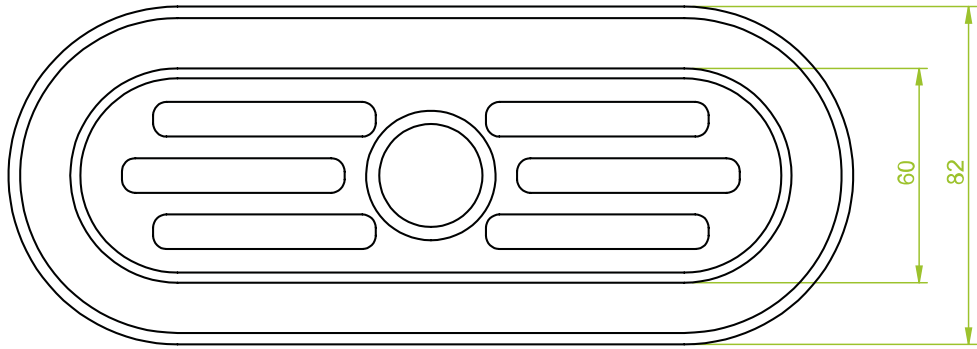
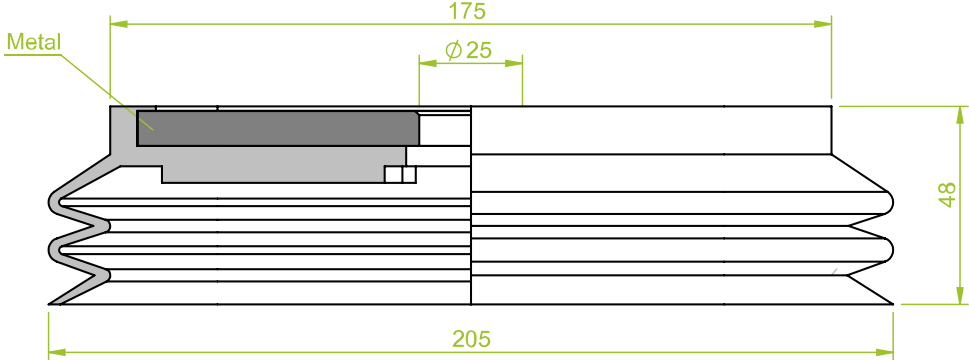

mm





0g


Oval-Rechteck-Balgensauger | *Oval Rectangular Bellow cups*

43.140070.104._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
mm	0g

45.205082.003._		vulkanisiert
		Materialcode
		02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
		
		25mm

Oval-Rechteck-Balgensauger | *Oval Rectangular Bellow cups*

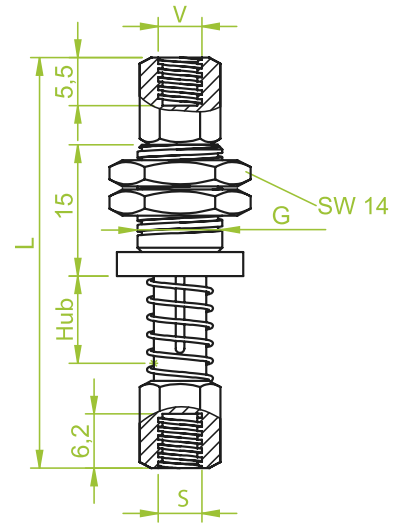
45.350100.006._		vulkanisiert		45.400200.008._		vulkanisiert	
		Materialcode				Materialcode	
		02 Silikon				02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>			Halter <i>Fitting</i>	Gewinde <i>Thread</i>
							
39mm		1280g		39mm		0g	


45.400200.009._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
39mm		0g	

Gefederte Saugerträger | Spring-loaded cup holders



- Zur Direktmontage von Saugern
 - Sehr gute Dämpfungseigenschaften
 - Mit oder ohne Verdrehschutz
 - 4 Versionen mit Federweg 10 mm / 20 mm
- To the direct assembly of suction cups
 - Very good damping qualities
 - With or without non rotating
 - 4 versions with travel 10 / 20 mm



Art.	○V	●S		G	L	VS*	VEA**
80.149	IG M5	IG M5	10 mm	G 1/8"	47 mm	-	GK.09.900
80.150	IG M5	IG M5	20 mm		59 mm		
80.152	IG M5	IG M5	10 mm		47 mm	Ja / yes	
80.153	IG M5	IG M5	20 mm		59 mm		

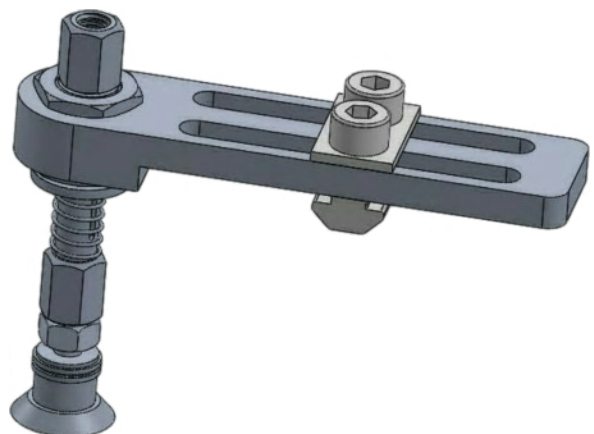
Kombinationsmöglichkeiten | combination possibilities:

80.149



130.134
(AG M5)

10.015.031.



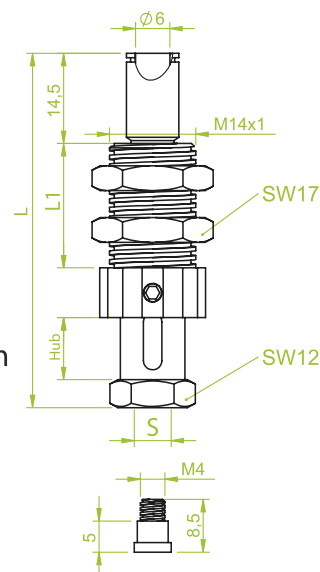
○ Vakuumanchluss | Vacuum connection ● Saugeranschluss | Cups connection * Verdrehsicherung | Anti-twist-lock


** Verbindungselemente für Aluprofile | Screw joint for aluminium profiles

Gefederte Saugerträger | Spring-loaded cup holders



- Zur Direktmontage von Sauggreifern
 - Mit oder ohne Verdrehenschutz
 - Inkl. Steckanschluss 6 mm
 - 6 Versionen mit Federweg 10/ 15 / 20 mm
- To the direct assembly of vacuum pads
 - with or without non rotating
 - incl. Plug-in-connection 6 mm
 - 6 versions with spring excursion 10 / 15 / 20 mm



Art.	OV	●S		G	L	L1	VS*	VEA**
80.125	6 mm	IG M4	10 mm	M14 x 1	57 mm	20	–	–
80.126	6 mm	IG M4	15 mm	M 14 x 1	67 mm	25	–	–
80.127	6 mm	IG M4	20 mm	M 14 x 1	83 mm	34	–	–
80.128	6 mm	IG M6	10 mm	M 14 x 1	59 mm	20	Ja/Yes	–
80.129	6 mm	IG M6	15 mm	M 14 x 1	69 mm	25	Ja/Yes	–
80.130	6 mm	IG M6	20 mm	M 14 x 1	85 mm	34	Ja/Yes	–

Kombinationsmöglichkeiten | combination possibilities :

80.130
+
130.039 (AG M6)
+
10.030.050.



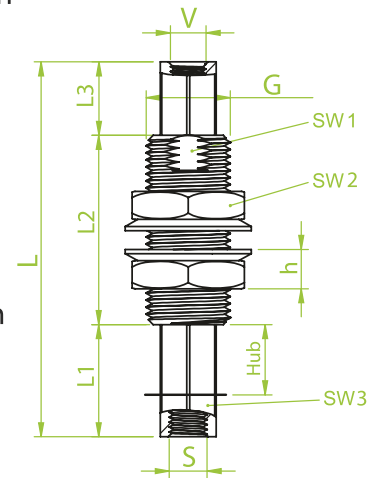
○ Vakuumananschluss | Vacuum connection ● Saugeranschluss | Cups connection * Verdrehsicherung | Anti-twist-lock

** Verbindungselemente für Aluprofile | Screw joint for aluminium profiles

Gefederte Saugerträger | Spring-loaded cup holders



- Zur Direktmontage von Vakuumsaugern
 - Sehr gute Dämpfungseigenschaften
 - Inkl. Verdrehschutz
 - 3 Versionen mit Federweg 15 / 25 / 35 mm
- To the direct assembly of suction cups
 - Very good damping qualities
 - With anti rotating
 - 3 versions with spring travel 15/ 25/ 35 mm



Art.	○ V	● S		G	L	L1	L2	L3	VS*	VEA**
80.523	IG M5	IG M5	15 mm	M 12 x 1	53,5	16	27	10,5	Ja/Yes	GK.09.900
80.524	IG 1/8"	IG 1/8"	25 mm	M 16 x 1	82	27	40	15		GK.09.901
80.525	IG 1/4"	IG 1/8"	35 mm	M 20 x 1,5	123	45	60	18		GK.09.902

Kombinationsmöglichkeiten | combination possibilities:

- 80.525
- +
- 130.181 (AG 1/8" / AG 1/4")
- +
- 130.179 (IG 1/4")
- +
- 10.070.023.



○ Vakuumanchluss | Vacuum connection ● Saugeranschluss | Cups connection * Verdrehsicherung | Anti-twist-lock

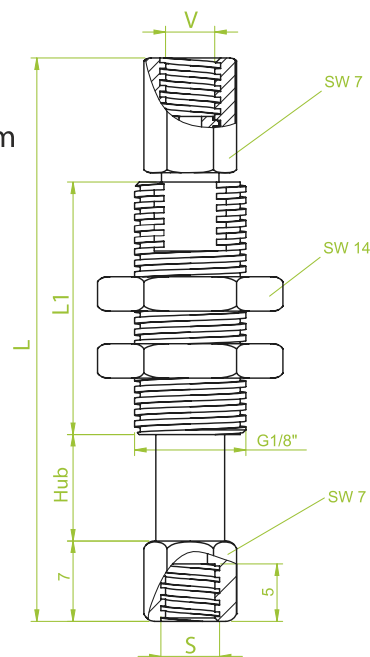
** Verbindungselemente für Aluprofile | Screw joint for aluminium profiles

Gefederte Saugerträger | Spring-loaded cup holders



- Zur Direktmontage von Sauggreifern
- Sehr gute Dämpfungseigenschaften
- Mit und ohne Verdrehenschutz
- 8 Versionen mit Federweg 7 / 10 / 20 / 40 mm

- To the direct assembly of suction pads
- Very good damping qualities
- with or without non rotating
- 8 versions of travel 7/ 10/ 20/ 40 mm



Art.	○V	●S		G	L	L1	VS*	VEA**
80.120	IG M5	IG M5	7 mm	G1/8"	43	19	-	GK.09.900
80.530	IG M5	IG M5	10 mm		49	22		
80.531	IG M5	IG M5	20 mm		76	39		
80.532	IG M5	IG M5	40 mm		121	64		
80.533	IG M5	IG M5	7 mm		42	18	Ja/Yes	
80.534	IG M5	IG M5	10 mm		49	22		
80.535	IG M5	IG M5	20 mm		73,5	39		
80.536	IG M5	IG M5	40 mm		118,5	64		

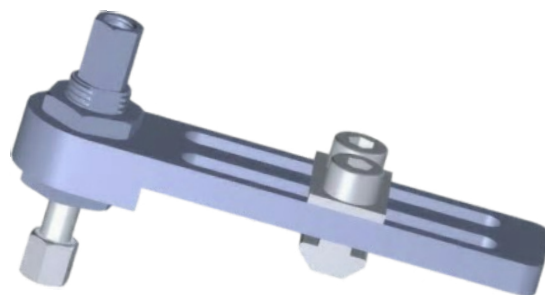
80.533

+

130.094 (M5 AG)

+

30.030010.020.



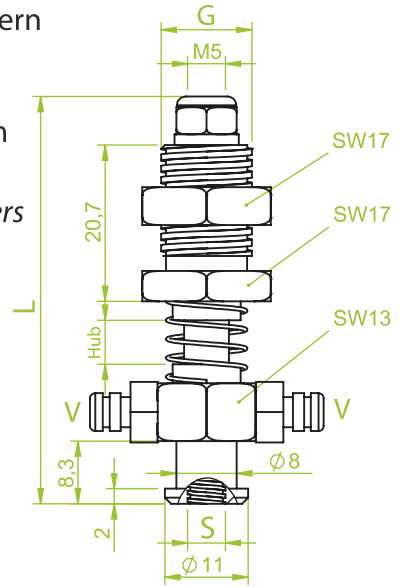
○ Vakuumanchluss | Vacuum connection ● Saugeranschluss | Cups connection * Verdrehssicherung | Anti-twist-lock

** Verbindungselemente für Aluprofile | Screw joint for aluminium profiles

Gefederte Saugerträger | Spring-loaded cup holders



- Zur Direktmontage von Vakuumsaugern
 - Keine Verdrehschutz
 - Vakuumschlüsse seitlich
 - 3 Versionen mit Federweg 5 / 15 / 30 mm
- To the direct assembly of vacuum suckers
 - No protection against torsion
 - Vacuum connection laterally
 - 3 versions with travel 5/ 15/ 30 mm



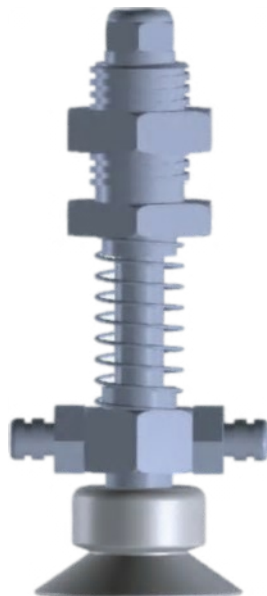
Art.	○V	●S		G	L	VS*	VEA**
80.527	2 x Ø 4,9	IG M5	5 mm	M12	54	–	–
80.528	2 x Ø 4,9	IG M5	15 mm	M12	64	–	
80.529	2 x Ø 4,9	IG M5	30 mm	M12	84	–	

Kombinationsmöglichkeiten | combination possibilities:

80.528

+

10.025.587.



○ Vakuumschluss | Vacuum connection ● Saugeranschluss | Cups connection * Verdrehsicherung | Anti-twist-lock

** Verbindungselemente für Aluprofile | Screw joint for aluminium profiles

80.005	
Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M5	IG M5
Verdreh-sicherung Anti-twist lock	
-	
5.0mm	
Länge Length	
51.0mm	

80.009	
Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M8	
Verdreh-sicherung Anti-twist lock	
-	
25.0mm	
Länge Length	
126.5mm	

80.010	
Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M8	
Verdreh-sicherung Anti-twist lock	
-	
55.0mm	
Länge Length	
166.5mm	

80.012	
Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M8	6
Verdreh-sicherung Anti-twist lock	
-	
25.0mm	
Länge Length	
136.0mm	

* Steckanschluss auf Anfrage erhältlich | P lug connection available on request

Federstößel | Spring levelers

80.013

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M8	6
Verdrehsicherung Anti-twist lock	
-	
55.0mm	
Länge Length	
176.0mm	

80.014

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M8	6
Verdrehsicherung Anti-twist lock	
-	
80.0mm	
Länge Length	
209.0mm	

80.039

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
7	4
Verdrehsicherung Anti-twist lock	
-	
25.0mm	
Länge Length	
98.0mm	

80.044

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M8	4
Verdrehsicherung Anti-twist lock	
-	
25.0mm	
Länge Length	
97.0mm	

* Steckanschluss auf Anfrage erhältlich | *P lug connection available on request*

80.045																			
	<table border="1"> <tr> <th colspan="2">Gewinde Thread</th> </tr> <tr> <th>Sauger Cups</th> <th>Vakuum Vacuum</th> </tr> <tr> <td>IG M8</td> <td>4</td> </tr> <tr> <th colspan="2">Verdrehsicherung Anti-twist lock</th> </tr> <tr> <td colspan="2">-</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2">25.0mm</td> </tr> <tr> <th colspan="2">Länge Length</th> </tr> <tr> <td colspan="2">97.0mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	IG M8	4	Verdrehsicherung Anti-twist lock		-				25.0mm		Länge Length		97.0mm	
	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	IG M8	4																	
	Verdrehsicherung Anti-twist lock																		
	-																		
	25.0mm																		
	Länge Length																		
	97.0mm																		

80.050																			
	<table border="1"> <tr> <th colspan="2">Gewinde Thread</th> </tr> <tr> <th>Sauger Cups</th> <th>Vakuum Vacuum</th> </tr> <tr> <td>IG 1/4</td> <td>IG 1/8</td> </tr> <tr> <th colspan="2">Verdrehsicherung Anti-twist lock</th> </tr> <tr> <td colspan="2">-</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2">42.0mm</td> </tr> <tr> <th colspan="2">Länge Length</th> </tr> <tr> <td colspan="2">90.0mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	IG 1/4	IG 1/8	Verdrehsicherung Anti-twist lock		-				42.0mm		Länge Length		90.0mm	
	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	IG 1/4	IG 1/8																	
	Verdrehsicherung Anti-twist lock																		
	-																		
42.0mm																			
Länge Length																			
90.0mm																			

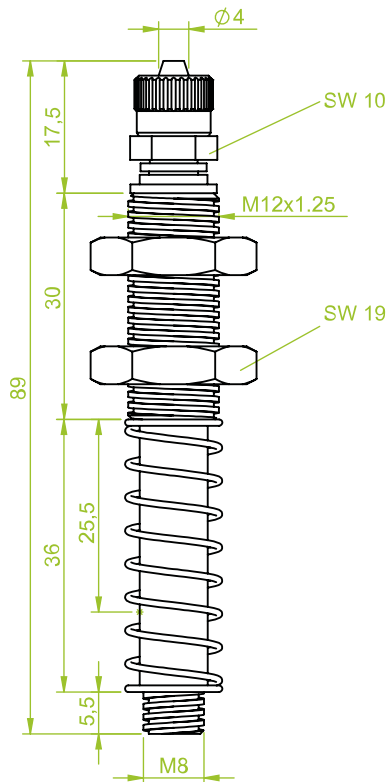
80.052																			
	<table border="1"> <tr> <th colspan="2">Gewinde Thread</th> </tr> <tr> <th>Sauger Cups</th> <th>Vakuum Vacuum</th> </tr> <tr> <td>AG M12</td> <td>6</td> </tr> <tr> <th colspan="2">Verdrehsicherung Anti-twist lock</th> </tr> <tr> <td colspan="2">Ja Yes</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2">49.0mm</td> </tr> <tr> <th colspan="2">Länge Length</th> </tr> <tr> <td colspan="2">162.0mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	AG M12	6	Verdrehsicherung Anti-twist lock		Ja Yes				49.0mm		Länge Length		162.0mm	
	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	AG M12	6																	
	Verdrehsicherung Anti-twist lock																		
	Ja Yes																		
	49.0mm																		
Länge Length																			
162.0mm																			

80.053																			
	<table border="1"> <tr> <th colspan="2">Gewinde Thread</th> </tr> <tr> <th>Sauger Cups</th> <th>Vakuum Vacuum</th> </tr> <tr> <td>AG M12</td> <td>6</td> </tr> <tr> <th colspan="2">Verdrehsicherung Anti-twist lock</th> </tr> <tr> <td colspan="2">Ja Yes</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2">74.0mm</td> </tr> <tr> <th colspan="2">Länge Length</th> </tr> <tr> <td colspan="2">192.0mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	AG M12	6	Verdrehsicherung Anti-twist lock		Ja Yes				74.0mm		Länge Length		192.0mm	
	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	AG M12	6																	
	Verdrehsicherung Anti-twist lock																		
	Ja Yes																		
	74.0mm																		
Länge Length																			
192.0mm																			

* Steckanschluss auf Anfrage erhältlich | P lug connection available on request

Federstößel | Spring levelers

80.054



Gewinde
Thread

Sauger
Cups

Vakuum
Vacuum

AG M8 4

Verdrehsicherung
Anti-twist lock

Ja | Yes

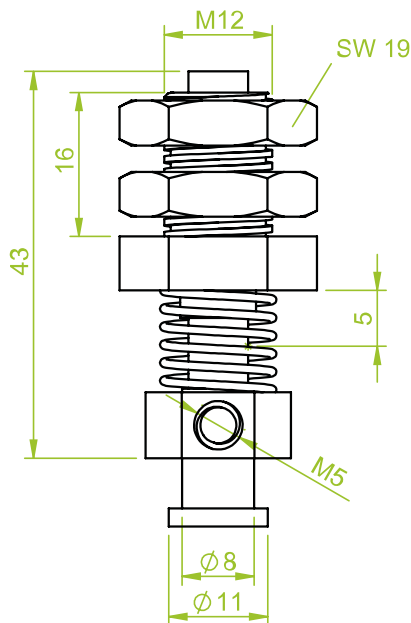


26.0mm

Länge | Length

89.0mm

80.055



Gewinde
Thread

Sauger
Cups

Vakuum
Vacuum

AG 1/8 4

Verdrehsicherung
Anti-twist lock

Ja | Yes

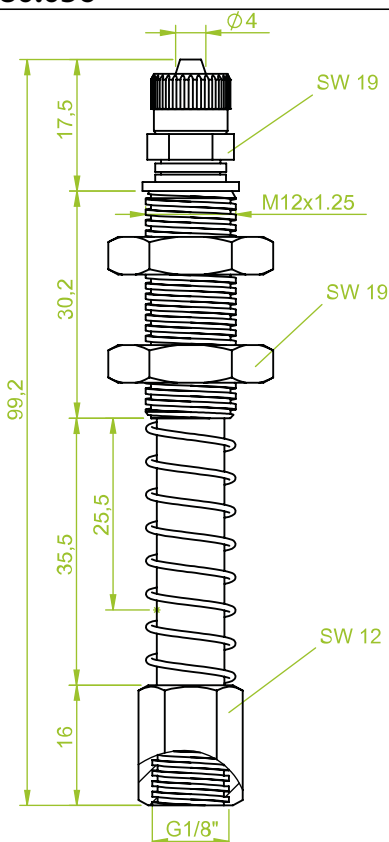


26.0mm

Länge | Length

96.0mm

80.056



Gewinde
Thread

Sauger
Cups

Vakuum
Vacuum

IG 1/8 4

Verdrehsicherung
Anti-twist lock

Ja | Yes

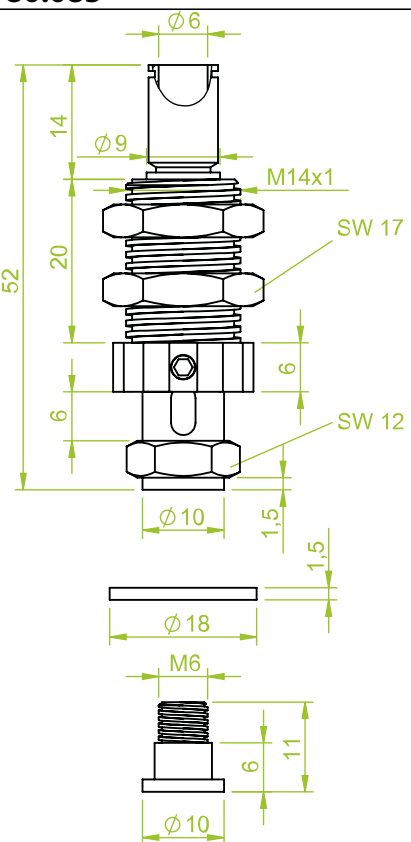


26.0mm

Länge | Length

99.2mm

80.085



Gewinde
Thread

Sauger
Cups

Vakuum
Vacuum

IG M6 6

Verdrehsicherung
Anti-twist lock

Ja | Yes



6.0mm

Länge | Length

58.0mm

* Steckanschluss auf Anfrage erhältlich | *P lug connection available on request*

80.086		
	Gewinde Thread	
	Sauger Cups	Vakuum Vacuum
	IG M6	4
	Verdrehsicherung Anti-twist lock	
	Ja Yes	
	6.0mm	
	Länge Length	
	58.0mm	

80.095		
	Gewinde Thread	
	Sauger Cups	Vakuum Vacuum
	6	IG M6
	Verdrehsicherung Anti-twist lock	
	Ja Yes	
	20.0mm	
	Länge Length	
	61.0mm	

80.096		
	Gewinde Thread	
	Sauger Cups	Vakuum Vacuum
	6	IG M6
	Verdrehsicherung Anti-twist lock	
	Ja Yes	
	30.0mm	
	Länge Length	
	75.0mm	

80.097		
	Gewinde Thread	
	Sauger Cups	Vakuum Vacuum
	6	IG M6
	Verdrehsicherung Anti-twist lock	
	Ja Yes	
	40.0mm	
	Länge Length	
	87.0mm	

* Steckanschluss auf Anfrage erhältlich | P lug connection available on request

Federstößel | Spring levelers

80.098	
Gewinde Thread	
Sauger Cups	Vakuum Vacuum
6	IG M6
Verdrehsicherung Anti-twist lock	
Ja Yes	
50.0mm	
Länge Length	
100.0mm	

80.103	
Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M4	6
Verdrehsicherung Anti-twist lock	
Ja Yes	
6.0mm	
Länge Length	
54.5mm	

80.104	
Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M4	4
Verdrehsicherung Anti-twist lock	
Ja Yes	
6.0mm	
Länge Length	
53.5mm	

80.105	
Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG 1/4	6
Verdrehsicherung Anti-twist lock	
-	
16.0mm	
Länge Length	
130.0mm	

* Steckanschluss auf Anfrage erhältlich | P lug connection available on request

80.106																	
	<table border="1"> <tr> <th colspan="2">Gewinde Thread</th> </tr> <tr> <th>Sauger Cups</th> <th>Vakuum Vacuum</th> </tr> <tr> <td>IG 1/4</td> <td>6</td> </tr> <tr> <th colspan="2">Verdrehsicherung Anti-twist lock</th> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2">49.0mm</td> </tr> <tr> <th colspan="2">Länge Length</th> </tr> <tr> <td colspan="2">167.0mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	IG 1/4	6	Verdrehsicherung Anti-twist lock				49.0mm		Länge Length		167.0mm	
	Gewinde Thread																
	Sauger Cups	Vakuum Vacuum															
	IG 1/4	6															
	Verdrehsicherung Anti-twist lock																
	49.0mm																
Länge Length																	
167.0mm																	

80.107																	
	<table border="1"> <tr> <th colspan="2">Gewinde Thread</th> </tr> <tr> <th>Sauger Cups</th> <th>Vakuum Vacuum</th> </tr> <tr> <td>IG 1/4</td> <td>6</td> </tr> <tr> <th colspan="2">Verdrehsicherung Anti-twist lock</th> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2">74.0mm</td> </tr> <tr> <th colspan="2">Länge Length</th> </tr> <tr> <td colspan="2">197.0mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	IG 1/4	6	Verdrehsicherung Anti-twist lock				74.0mm		Länge Length		197.0mm	
	Gewinde Thread																
	Sauger Cups	Vakuum Vacuum															
	IG 1/4	6															
	Verdrehsicherung Anti-twist lock																
	74.0mm																
Länge Length																	
197.0mm																	

80.120																	
	<table border="1"> <tr> <th colspan="2">Gewinde Thread</th> </tr> <tr> <th>Sauger Cups</th> <th>Vakuum Vacuum</th> </tr> <tr> <td>IG M5</td> <td>IG M5</td> </tr> <tr> <th colspan="2">Verdrehsicherung Anti-twist lock</th> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2">7.0mm</td> </tr> <tr> <th colspan="2">Länge Length</th> </tr> <tr> <td colspan="2">43.0mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	IG M5	IG M5	Verdrehsicherung Anti-twist lock				7.0mm		Länge Length		43.0mm	
	Gewinde Thread																
	Sauger Cups	Vakuum Vacuum															
	IG M5	IG M5															
	Verdrehsicherung Anti-twist lock																
	7.0mm																
Länge Length																	
43.0mm																	

80.121																	
	<table border="1"> <tr> <th colspan="2">Gewinde Thread</th> </tr> <tr> <th>Sauger Cups</th> <th>Vakuum Vacuum</th> </tr> <tr> <td>IG M5</td> <td>IG M5</td> </tr> <tr> <th colspan="2">Verdrehsicherung Anti-twist lock</th> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2">10.0mm</td> </tr> <tr> <th colspan="2">Länge Length</th> </tr> <tr> <td colspan="2">52.5mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	IG M5	IG M5	Verdrehsicherung Anti-twist lock				10.0mm		Länge Length		52.5mm	
	Gewinde Thread																
	Sauger Cups	Vakuum Vacuum															
	IG M5	IG M5															
	Verdrehsicherung Anti-twist lock																
	10.0mm																
Länge Length																	
52.5mm																	

* Steckanschluss auf Anfrage erhältlich | P lug connection available on request

Federstößel | Spring levelers

80.122	
	Gewinde Thread
	Sauger Cups
	Vakuum Vacuum
	IG M5
	IG M5
	Verdrehsicherung Anti-twist lock
	-
	20.0mm
	Länge Length
62.5mm	

80.123	
	Gewinde Thread
	Sauger Cups
	Vakuum Vacuum
	AG 1/8
	IG 1/8
	Verdrehsicherung Anti-twist lock
	-
	8.0mm
	Länge Length
54.0mm	

80.124	
	Gewinde Thread
	Sauger Cups
	Vakuum Vacuum
	AG 1/8
	IG 1/8
	Verdrehsicherung Anti-twist lock
	-
	20.0mm
	Länge Length
80.0mm	

80.125	
	Gewinde Thread
	Sauger Cups
	Vakuum Vacuum
	IG M4
	6
	Verdrehsicherung Anti-twist lock
	-
	10.0mm
	Länge Length
57.0mm	

* Steckanschluss auf Anfrage erhältlich | *P lug connection available on request*

80.126						
	Gewinde Thread					
	<table border="1"> <tr> <th>Sauger</th><th>Vakuum</th></tr> <tr> <td>Cups</td><td>Vacuum</td></tr> <tr> <td>IG M4</td><td>6</td></tr> </table>	Sauger	Vakuum	Cups	Vacuum	IG M4
Sauger	Vakuum					
Cups	Vacuum					
IG M4	6					
	Verdrehsicherung Anti-twist lock					
	15.0mm					
	Länge Length					
	67.0mm					

80.127						
	Gewinde Thread					
	<table border="1"> <tr> <th>Sauger</th><th>Vakuum</th></tr> <tr> <td>Cups</td><td>Vacuum</td></tr> <tr> <td>IG M4</td><td>6</td></tr> </table>	Sauger	Vakuum	Cups	Vacuum	IG M4
Sauger	Vakuum					
Cups	Vacuum					
IG M4	6					
	Verdrehsicherung Anti-twist lock					
	20.0mm					
	Länge Length					
	83.0mm					

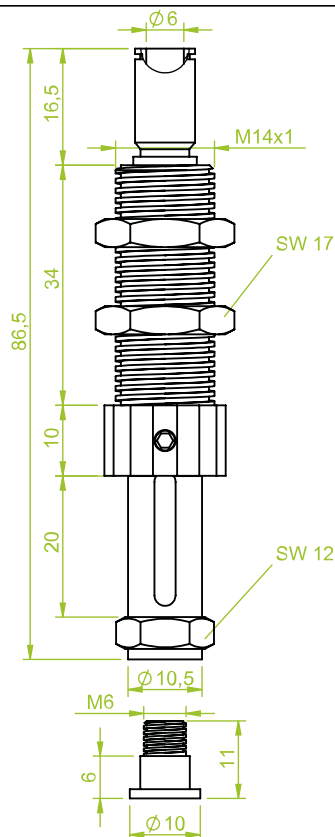
80.128						
	Gewinde Thread					
	<table border="1"> <tr> <th>Sauger</th><th>Vakuum</th></tr> <tr> <td>Cups</td><td>Vacuum</td></tr> <tr> <td>IG M6</td><td>6</td></tr> </table>	Sauger	Vakuum	Cups	Vacuum	IG M6
Sauger	Vakuum					
Cups	Vacuum					
IG M6	6					
	Verdrehsicherung Anti-twist lock					
	Ja Yes					
	10.0mm					
	Länge Length					
	59.0mm					

80.129						
	Gewinde Thread					
	<table border="1"> <tr> <th>Sauger</th><th>Vakuum</th></tr> <tr> <td>Cups</td><td>Vacuum</td></tr> <tr> <td>IG M6</td><td>6</td></tr> </table>	Sauger	Vakuum	Cups	Vacuum	IG M6
Sauger	Vakuum					
Cups	Vacuum					
IG M6	6					
	Verdrehsicherung Anti-twist lock					
	Ja Yes					
	15.0mm					
	Länge Length					
	69.0mm					

* Steckanschluss auf Anfrage erhältlich | P lug connection available on request

Federstößel | Spring levelers

80.130



Gewinde
Thread

Sauger
Cups

Vakuum
Vacuum

IG M6 6

Verdreh-sicherung
Anti-twist lock

Ja | Yes

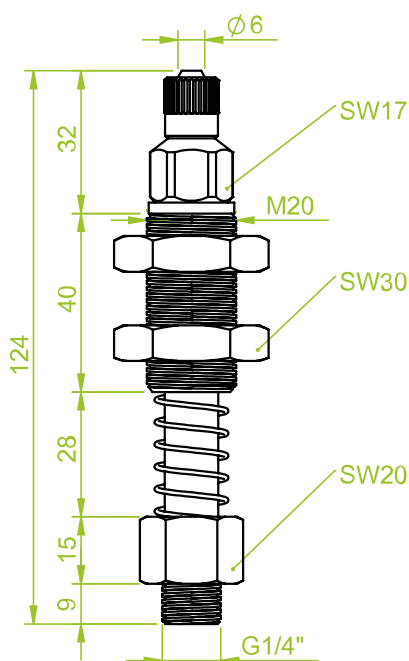


20.0mm

Länge | Length

85.0mm

80.131



Gewinde
Thread

Sauger
Cups

Vakuum
Vacuum

AG 1/4 6

Verdreh-sicherung
Anti-twist lock

-

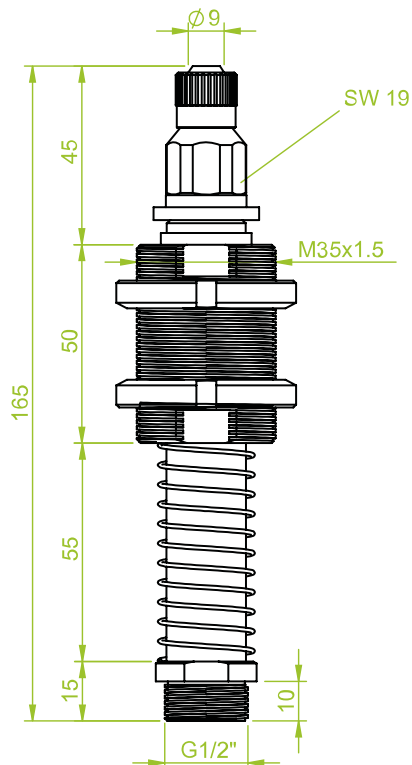


16.0mm

Länge | Length

124.0mm

80.138



Gewinde
Thread

Sauger
Cups

Vakuum
Vacuum

AG 1/2 9

Verdreh-sicherung
Anti-twist lock

-

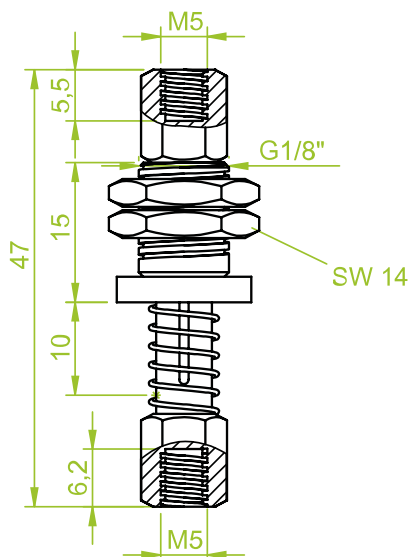


37.0mm

Länge | Length

165.0mm

80.149



Gewinde
Thread

Sauger
Cups

Vakuum
Vacuum

IG M5 IG M5

Verdreh-sicherung
Anti-twist lock

-



10.0mm

Länge | Length

47.0mm

* Steckanschluss auf Anfrage erhältlich | P lug connection available on request

80.150	
	Gewinde Thread
	Sauger Cups
	Vakuum Vacuum
	IG M5
	IG M5
	Verdrehsicherung Anti-twist lock
	-
	20.0mm
	Länge Length
59.0mm	

80.152	
	Gewinde Thread
	Sauger Cups
	Vakuum Vacuum
	IG M5
	IG M5
	Verdrehsicherung Anti-twist lock
	Ja Yes
	10.0mm
	Länge Length
47.0mm	

80.153	
	Gewinde Thread
	Sauger Cups
	Vakuum Vacuum
	IG M5
	IG M5
	Verdrehsicherung Anti-twist lock
	Ja Yes
	20.0mm
	Länge Length
59.0mm	

80.160	
	Gewinde Thread
	Sauger Cups
	Vakuum Vacuum
	AG 1/8
	IG 1/8
	Verdrehsicherung Anti-twist lock
	-
	25.0mm
	Länge Length
93.0mm	

* Steckanschluss auf Anfrage erhältlich | *P lug connection available on request*

Federstößel | Spring levelers

	Gewinde Thread	
	Sauger Cups	Vakuum Vacuum
	IG M5	IG M5
	Verdrehsicherung Anti-twist lock	
	Ja Yes	
	15.0mm	
	Länge Length	
	53.5mm	

	Gewinde Thread	
	Sauger Cups	Vakuum Vacuum
	IG 1/8	IG 1/8
	Verdrehsicherung Anti-twist lock	
	Ja Yes	
	25.0mm	
	Länge Length	
	82.0mm	

	Gewinde Thread	
	Sauger Cups	Vakuum Vacuum
	IG 1/4	IG 1/8
	Verdrehsicherung Anti-twist lock	
	Ja Yes	
	35.0mm	
	Länge Length	
	123.0mm	

	Gewinde Thread	
	Sauger Cups	Vakuum Vacuum
	Verdrehsicherung Anti-twist lock	
	-	
	55.0mm	
	Länge Length	
	0.0mm	

* Steckanschluss auf Anfrage erhältlich | P lug connection available on request

80.530	
	Gewinde Thread
	Sauger Cups
	Vakuum Vacuum
	IG M5
	IG M5
	Verdrehsicherung Anti-twist lock
	-
	10.0mm
	Länge Length
49.0mm	

80.531	
	Gewinde Thread
	Sauger Cups
	Vakuum Vacuum
	IG M5
	IG M5
	Verdrehsicherung Anti-twist lock
	-
	20.0mm
	Länge Length
76.0mm	

80.532	
	Gewinde Thread
	Sauger Cups
	Vakuum Vacuum
	IG M5
	IG M5
	Verdrehsicherung Anti-twist lock
	-
	40.0mm
	Länge Length
121.0mm	

80.533	
	Gewinde Thread
	Sauger Cups
	Vakuum Vacuum
	IG M5
	IG M5
	Verdrehsicherung Anti-twist lock
	Ja Yes
	7.0mm
	Länge Length
42.0mm	

* Steckanschluss auf Anfrage erhältlich | P lug connection available on request

Federstößel | Spring levelers

80.534

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M5	IG M5
Verdrehsicherung Anti-twist lock	
Ja Yes	
10.0mm	
Länge Length	
49.0mm	

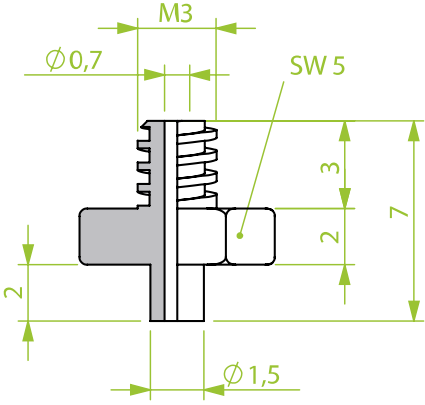
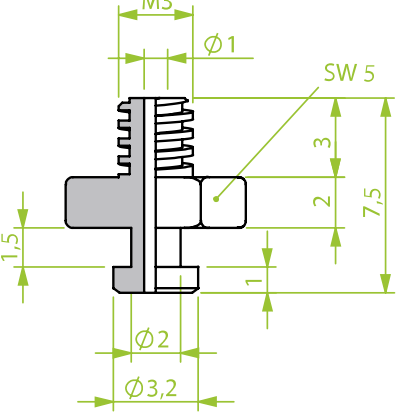
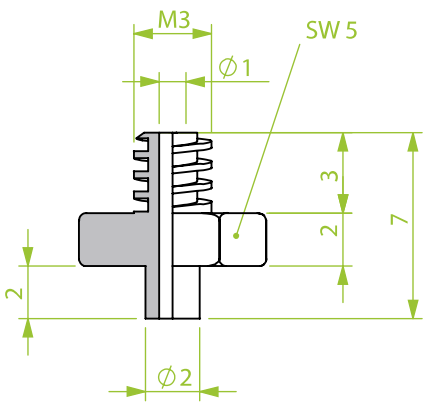
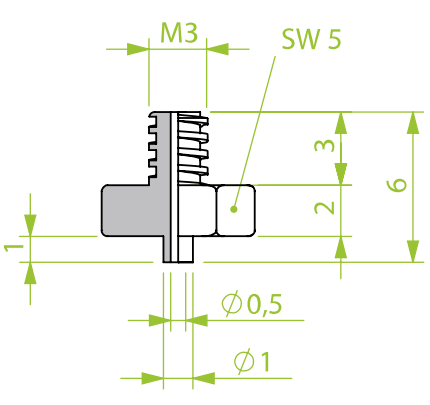
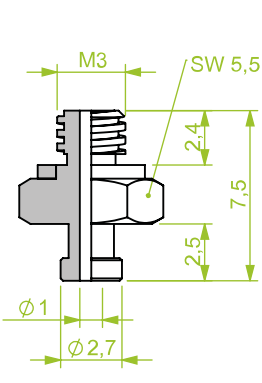
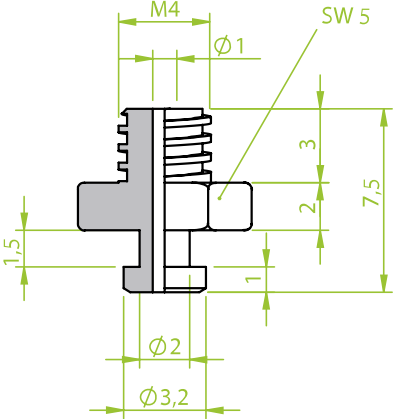
80.535

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M5	IG M5
Verdrehsicherung Anti-twist lock	
Ja Yes	
20.0mm	
Länge Length	
73.5mm	

80.536

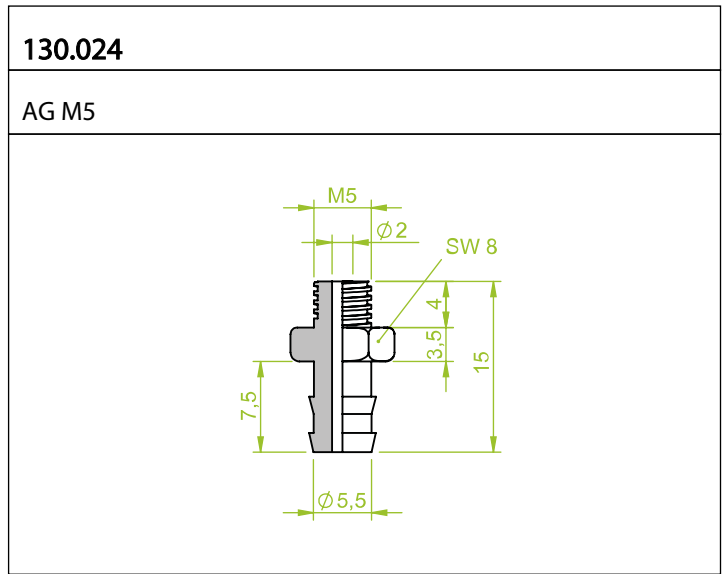
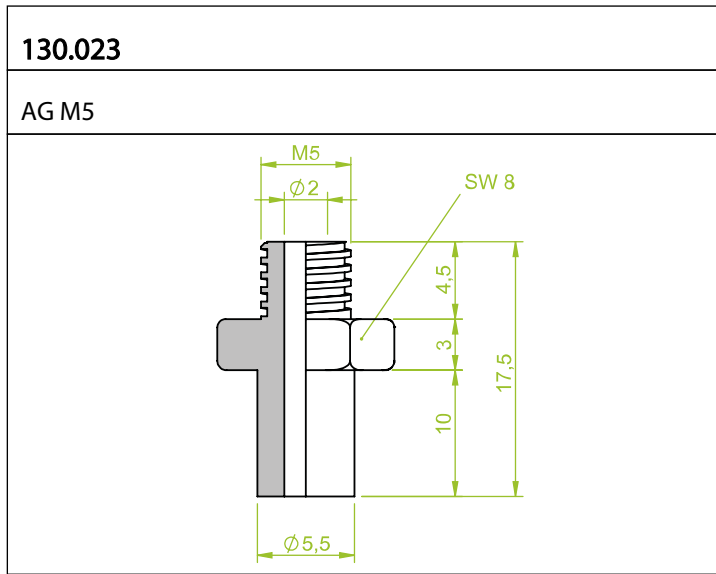
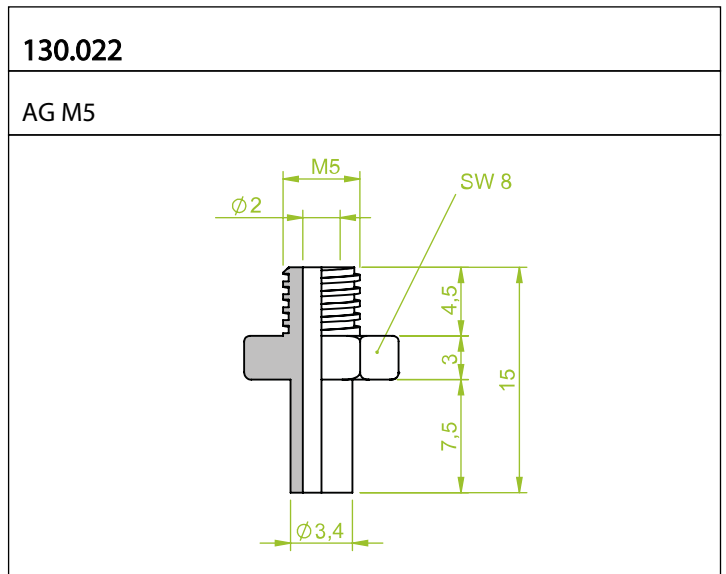
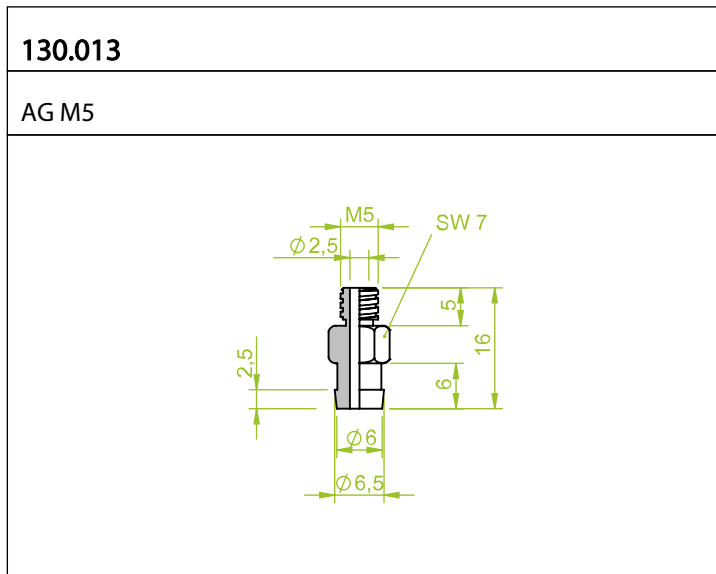
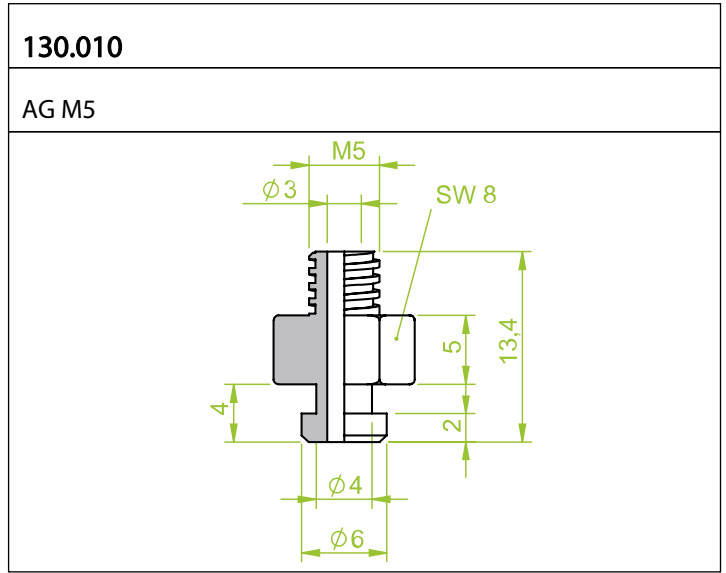
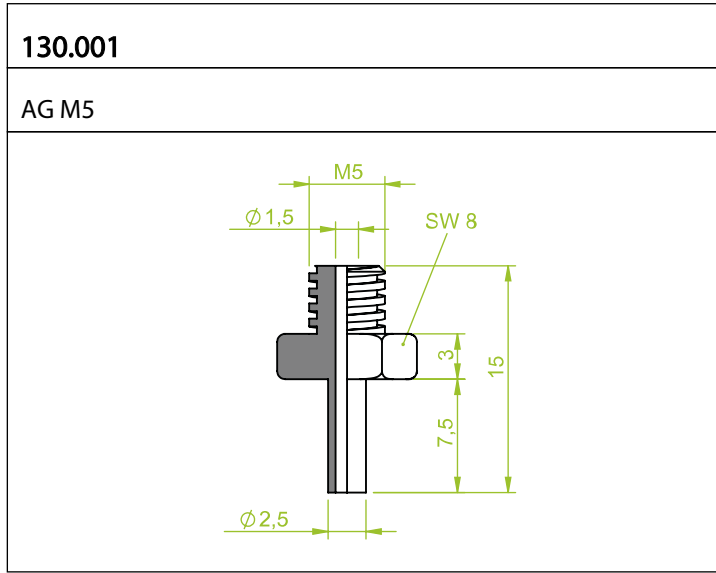
Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M5	IG M5
Verdrehsicherung Anti-twist lock	
Ja Yes	
40.0mm	
Länge Length	
118.5mm	

* Steckanschluss auf Anfrage erhältlich | P lug connection available on request

130.011	130.014
AG M3	AG M3
 <p>Technical drawing of fitting 130.011. It features a male thread (AG M3) with a diameter of $\Phi 0,7$ and a length of $M3$. The fitting has a total length of 7, a shoulder height of 2, and a body diameter of $\Phi 1,5$. The hexagonal part has a width of 3 and a height of 2. The hex key size is SW 5.</p>	 <p>Technical drawing of fitting 130.014. It features a male thread (AG M3) with a diameter of $\Phi 1$ and a length of $M3$. The fitting has a total length of 7,5, a shoulder height of 1,5, and a body diameter of $\Phi 3,2$. The hexagonal part has a width of 3 and a height of 2. The hex key size is SW 5. The base diameter is $\Phi 2$.</p>
130.025	130.026
AG M3	AG M3
 <p>Technical drawing of fitting 130.025. It features a male thread (AG M3) with a diameter of $\Phi 1$ and a length of $M3$. The fitting has a total length of 7, a shoulder height of 2, and a body diameter of $\Phi 2$. The hexagonal part has a width of 3 and a height of 2. The hex key size is SW 5.</p>	 <p>Technical drawing of fitting 130.026. It features a male thread (AG M3) with a diameter of $\Phi 0,5$ and a length of $M3$. The fitting has a total length of 6, a shoulder height of 1, and a body diameter of $\Phi 1$. The hexagonal part has a width of 3 and a height of 2. The hex key size is SW 5.</p>
130.523	130.111
AG M3	AG M4
 <p>Technical drawing of fitting 130.523. It features a male thread (AG M3) with a diameter of $\Phi 1$ and a length of $M3$. The fitting has a total length of 7,5, a shoulder height of 2,4, and a body diameter of $\Phi 2,7$. The hexagonal part has a width of 2,5 and a height of 2,4. The hex key size is SW 5,5.</p>	 <p>Technical drawing of fitting 130.111. It features a male thread (AG M4) with a diameter of $\Phi 1$ and a length of $M4$. The fitting has a total length of 7,5, a shoulder height of 1,5, and a body diameter of $\Phi 3,2$. The hexagonal part has a width of 3 and a height of 2. The hex key size is SW 5. The base diameter is $\Phi 2$.</p>

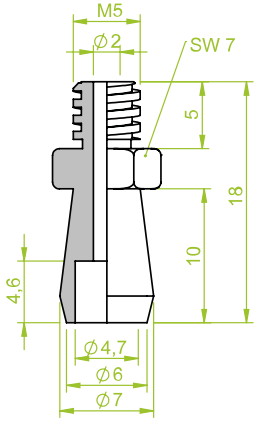
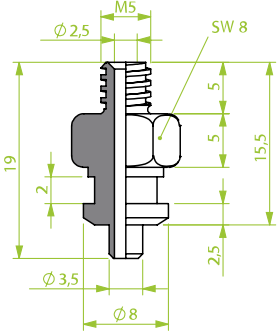
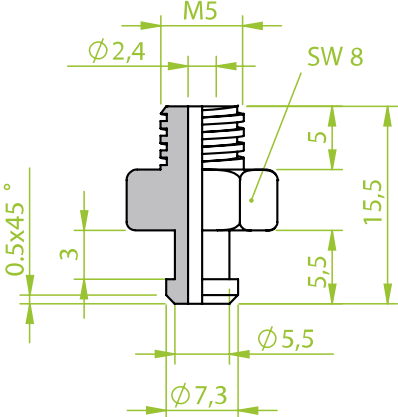
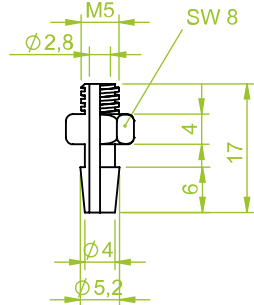
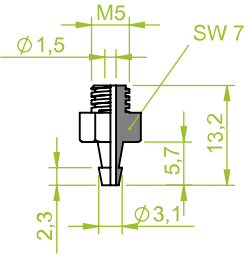
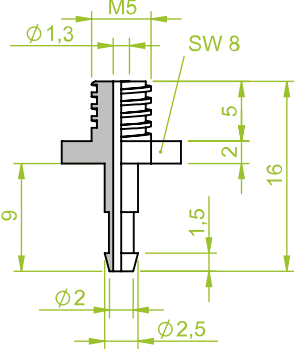
* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread



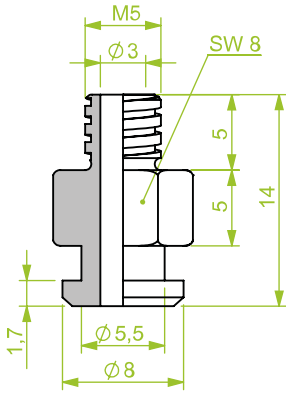
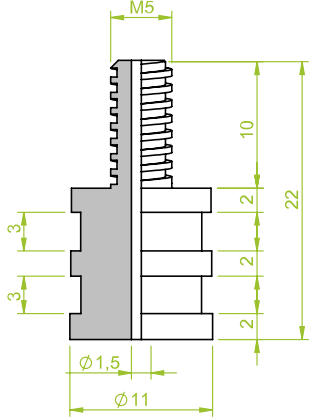
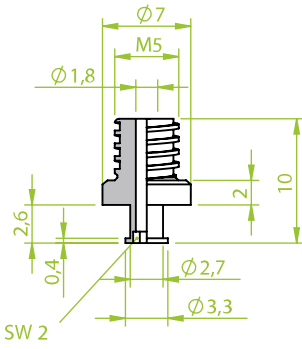
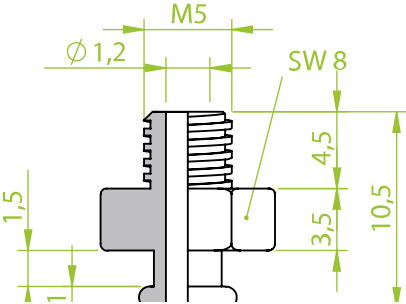
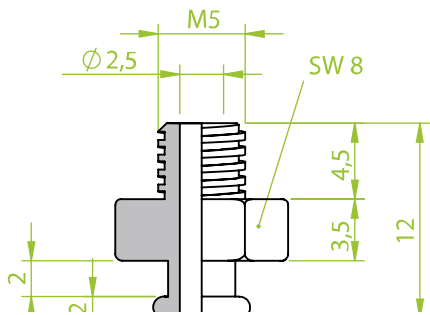
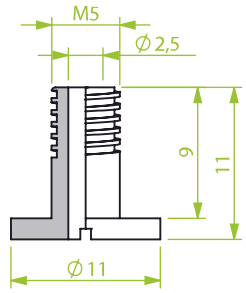
* **AG** = Außengewinde | Male thread

IG = Innengewinde | Female thread

130.032	130.037
AG M5	AG M5
 <p>Technical drawing of fitting 130.032. Dimensions: M5 thread, $\varnothing 2$ thread diameter, SW 7 hex key size, 5 mm thread length, 18 mm total length, 10 mm body length, 4.6 mm body diameter, $\varnothing 4.7$ body diameter, $\varnothing 6$ body diameter, $\varnothing 7$ body diameter.</p>	 <p>Technical drawing of fitting 130.037. Dimensions: M5 thread, $\varnothing 2.5$ thread diameter, SW 8 hex key size, 5 mm thread length, 15.5 mm total length, 19 mm body length, 2 mm body length, $\varnothing 3.5$ body diameter, $\varnothing 8$ body diameter, 2.5 mm body diameter.</p>
130.094	130.134
AG M5	AG M5
 <p>Technical drawing of fitting 130.094. Dimensions: M5 thread, $\varnothing 2.4$ thread diameter, SW 8 hex key size, 5 mm thread length, 15.5 mm total length, 0.5x45° chamfer, 3 mm chamfer length, 5.5 mm body diameter, $\varnothing 7.3$ body diameter.</p>	 <p>Technical drawing of fitting 130.134. Dimensions: M5 thread, $\varnothing 2.8$ thread diameter, SW 8 hex key size, 5 mm thread length, 17 mm total length, 4 mm body length, 6 mm body length, $\varnothing 4$ body diameter, $\varnothing 5.2$ body diameter.</p>
130.153	130.195
AG M5	AG M5
 <p>Technical drawing of fitting 130.153. Dimensions: M5 thread, $\varnothing 1.5$ thread diameter, SW 7 hex key size, 5.7 mm thread length, 13.2 mm total length, 2.3 mm body length, $\varnothing 3.1$ body diameter.</p>	 <p>Technical drawing of fitting 130.195. Dimensions: M5 thread, $\varnothing 1.3$ thread diameter, SW 8 hex key size, 5 mm thread length, 16 mm total length, 9 mm body length, 1.5 mm body length, $\varnothing 2$ body diameter, $\varnothing 2.5$ body diameter.</p>

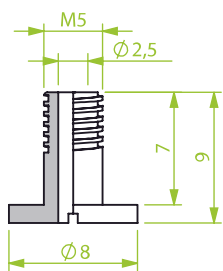
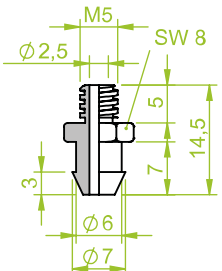
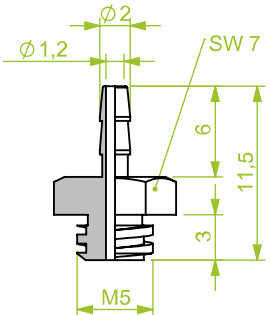
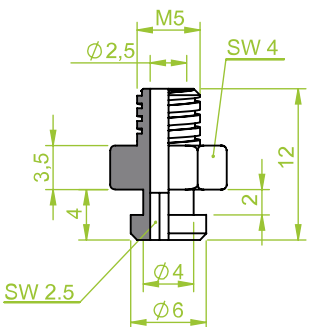
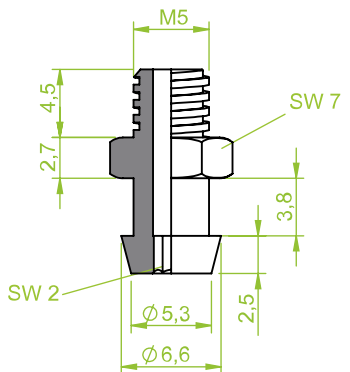
* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

130.200	130.244
AG M5	AG M5
 <p>Technical drawing of fitting 130.200. Dimensions: M5 thread, $\text{Ø}3$ bore, SW 8 hex size, 1.7 mm height, $\text{Ø}5.5$ and $\text{Ø}8$ diameters, 5 mm and 14 mm lengths.</p>	 <p>Technical drawing of fitting 130.244. Dimensions: M5 thread, 3 mm height, $\text{Ø}1.5$ and $\text{Ø}11$ diameters, 2 mm and 10 mm lengths, 22 mm total length.</p>
130.283	130.300
AG M5	AG M5
 <p>Technical drawing of fitting 130.283. Dimensions: $\text{Ø}7$ and M5 diameters, $\text{Ø}1.8$ bore, SW 2 hex size, 2.6 mm height, 0.4 mm gap, $\text{Ø}2.7$ and $\text{Ø}3.3$ diameters, 2 mm and 10 mm lengths.</p>	 <p>Technical drawing of fitting 130.300. Dimensions: M5 thread, $\text{Ø}1.2$ bore, SW 8 hex size, 1.5 mm height, 1 mm gap, $\text{Ø}11$ diameter, 3.5 mm and 4.5 mm lengths, 10.5 mm total length.</p>
130.301	130.310
AG M5	AG M5
 <p>Technical drawing of fitting 130.301. Dimensions: M5 thread, $\text{Ø}2.5$ bore, SW 8 hex size, 2 mm height, 2 mm gap, $\text{Ø}11$ diameter, 3.5 mm and 4.5 mm lengths, 12 mm total length.</p>	 <p>Technical drawing of fitting 130.310. Dimensions: M5 thread, $\text{Ø}2.5$ bore, 9 mm height, 11 mm total length, $\text{Ø}11$ diameter.</p>

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

130.311	130.317
AG M5	AG M5
 <p>Technical drawing of fitting 130.311. It shows a side view of a fitting with an M5 thread. The drawing includes dimensions: a diameter of $\varnothing 2,5$ for the threaded part, a total height of 9, and a diameter of $\varnothing 8$ for the base. The thread length is indicated as 7.</p>	 <p>Technical drawing of fitting 130.317. It shows a side view of a fitting with an M5 thread. Dimensions include: a diameter of $\varnothing 2,5$ for the threaded part, a total height of 14,5, a diameter of $\varnothing 6$ for the base, and a diameter of $\varnothing 7$ for the lower part. The thread length is 5, and the hexagonal base has a width of 3. The hexagonal part is labeled SW 8.</p>
130.373	130.436
AG M5	AG M5
	 <p>Technical drawing of fitting 130.436. It shows a side view of a fitting with an M5 thread. Dimensions include: a diameter of $\varnothing 1,2$ for the threaded part, a total height of 11,5, a diameter of $\varnothing 2$ for the base, and a diameter of $\varnothing 6$ for the lower part. The thread length is 3, and the hexagonal base has a width of 3. The hexagonal part is labeled SW 7.</p>
130.536	130.537
AG M5	AG M5
 <p>Technical drawing of fitting 130.536. It shows a side view of a fitting with an M5 thread. Dimensions include: a diameter of $\varnothing 2,5$ for the threaded part, a total height of 12, a diameter of $\varnothing 4$ for the base, and a diameter of $\varnothing 6$ for the lower part. The thread length is 2, and the hexagonal base has a width of 4. The hexagonal part is labeled SW 2.5, and the fitting body is labeled SW 4.</p>	 <p>Technical drawing of fitting 130.537. It shows a side view of a fitting with an M5 thread. Dimensions include: a diameter of $\varnothing 5,3$ for the base, a total height of 3,8, a diameter of $\varnothing 6,6$ for the lower part, and a diameter of $\varnothing 2,5$ for the threaded part. The thread length is 2,5, and the hexagonal base has a width of 2,7. The hexagonal part is labeled SW 2, and the fitting body is labeled SW 7.</p>

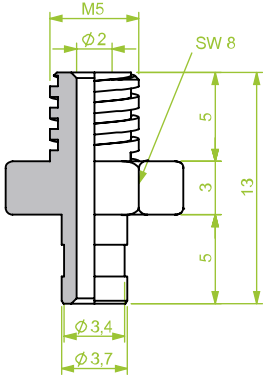
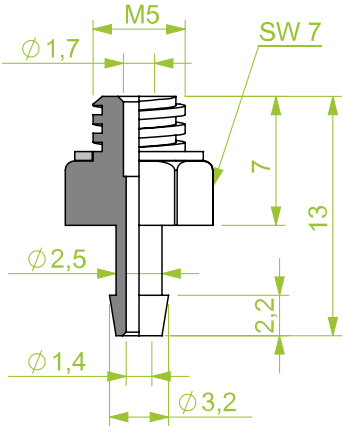
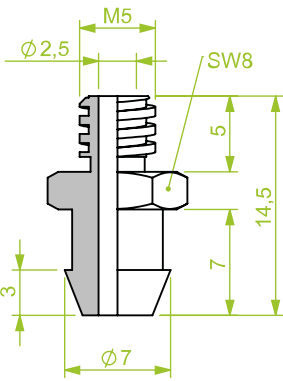
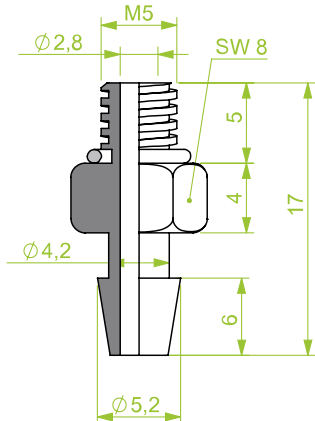
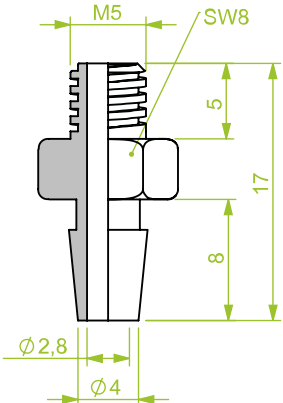
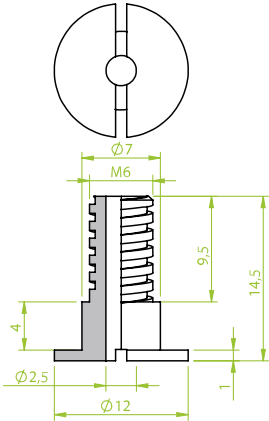
* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

130.560	130.565
AG M5	AG M5
130.566	130.591
AG M5	AG M5
130.599	130.604
AG M5	AG M5

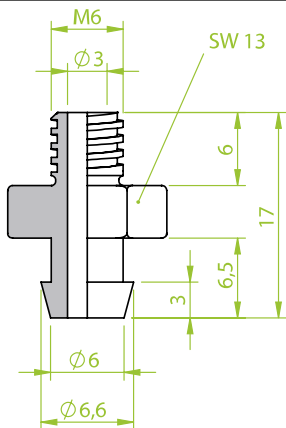
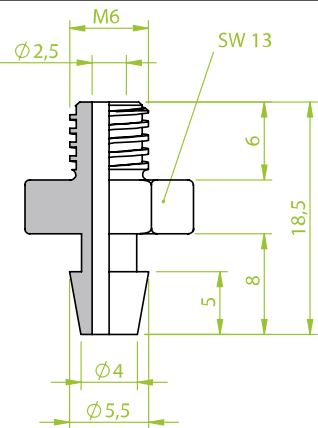
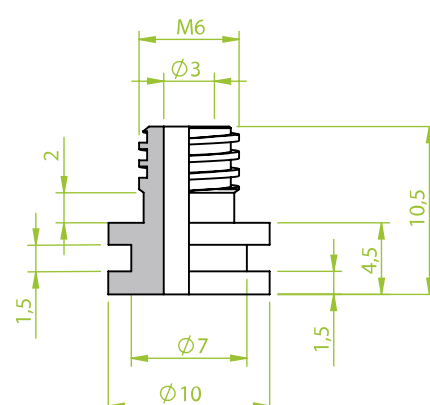
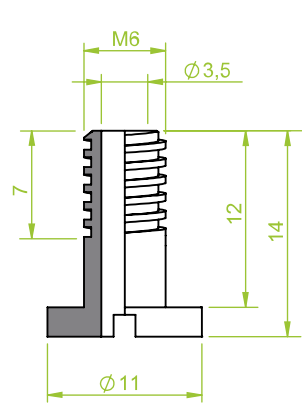
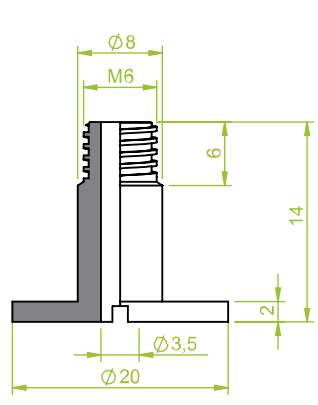
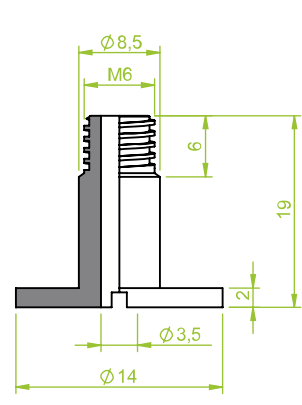
* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

130.613	130.626
AG M5	AG M5
 <p>Technical drawing of fitting 130.613. It is an AG M5 fitting with a hexagonal base. Dimensions include: M5 thread, $\phi 2$ base diameter, SW 8 hex size, 5 mm thread length, 3 mm hex height, 13 mm total height, 5 mm hex width, $\phi 3,4$ and $\phi 3,7$ diameters.</p>	 <p>Technical drawing of fitting 130.626. It is an AG M5 fitting with a hexagonal base and a tapered bottom. Dimensions include: M5 thread, $\phi 1,7$ base diameter, SW 7 hex size, 7 mm thread length, 13 mm total height, $\phi 2,5$ and $\phi 1,4$ diameters, 2,2 mm taper height, and $\phi 3,2$ diameter.</p>
130.629	130.633
AG M5	AG M5
 <p>Technical drawing of fitting 130.629. It is an AG M5 fitting with a hexagonal base and a tapered bottom. Dimensions include: M5 thread, $\phi 2,5$ base diameter, SW 8 hex size, 5 mm thread length, 14,5 mm total height, 7 mm hex height, 3 mm taper height, and $\phi 7$ diameter.</p>	 <p>Technical drawing of fitting 130.633. It is an AG M5 fitting with a hexagonal base and a tapered bottom. Dimensions include: M5 thread, $\phi 2,8$ base diameter, SW 8 hex size, 5 mm thread length, 17 mm total height, 4 mm hex height, $\phi 4,2$ diameter, 6 mm taper height, and $\phi 5,2$ diameter.</p>
130.906	130.039
AG M5	AG M6
 <p>Technical drawing of fitting 130.906. It is an AG M5 fitting with a hexagonal base and a tapered bottom. Dimensions include: M5 thread, SW 8 hex size, 5 mm thread length, 17 mm total height, 8 mm hex height, $\phi 2,8$ and $\phi 4$ diameters.</p>	 <p>Technical drawing of fitting 130.039. It is an AG M6 fitting with a hexagonal base and a tapered bottom. Dimensions include: $\phi 7$ base diameter, M6 thread, 9,5 mm thread length, 14,5 mm total height, 4 mm hex height, $\phi 2,5$ and $\phi 12$ diameters, and 1 mm taper height. A top view shows a circular base with a central hole.</p>

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

130.103	130.104
AG M6	AG M6
 <p>Technical drawing of fitting 130.103. It shows a cross-section of a fitting with an M6 thread. The drawing includes dimensions: a central hole with diameter $\varnothing 3$, a total length of 17, a shoulder height of 6, a distance of 6.5 from the shoulder to the end, a distance of 3 from the end to the next hole, a diameter of $\varnothing 6$ for the next hole, and an outer diameter of $\varnothing 6,6$. A label 'SW 13' points to the fitting's body.</p>	 <p>Technical drawing of fitting 130.104. It shows a cross-section of a fitting with an M6 thread. The drawing includes dimensions: a central hole with diameter $\varnothing 2,5$, a total length of 18,5, a shoulder height of 6, a distance of 8 from the shoulder to the end, a distance of 5 from the end to the next hole, a diameter of $\varnothing 4$ for the next hole, and an outer diameter of $\varnothing 5,5$. A label 'SW 13' points to the fitting's body.</p>
130.105	130.312
AG M6	AG M6
 <p>Technical drawing of fitting 130.105. It shows a cross-section of a fitting with an M6 thread. The drawing includes dimensions: a central hole with diameter $\varnothing 3$, a total length of 10,5, a shoulder height of 2, a distance of 1,5 from the shoulder to the end, a diameter of $\varnothing 7$ for the next hole, a distance of 1,5 from the end to the next hole, and an outer diameter of $\varnothing 10$.</p>	 <p>Technical drawing of fitting 130.312. It shows a cross-section of a fitting with an M6 thread. The drawing includes dimensions: a central hole with diameter $\varnothing 3,5$, a total length of 14, a shoulder height of 7, a distance of 12 from the shoulder to the end, and an outer diameter of $\varnothing 11$.</p>
130.314	130.315
AG M6	AG M6
 <p>Technical drawing of fitting 130.314. It shows a cross-section of a fitting with an M6 thread. The drawing includes dimensions: a central hole with diameter $\varnothing 8$, a total length of 14, a shoulder height of 6, a distance of 2 from the shoulder to the end, a diameter of $\varnothing 3,5$ for the next hole, and an outer diameter of $\varnothing 20$.</p>	 <p>Technical drawing of fitting 130.315. It shows a cross-section of a fitting with an M6 thread. The drawing includes dimensions: a central hole with diameter $\varnothing 8,5$, a total length of 19, a shoulder height of 6, a distance of 2 from the shoulder to the end, a diameter of $\varnothing 3,5$ for the next hole, and an outer diameter of $\varnothing 14$.</p>

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

130.339	130.340
AG M6	AG M6
130.640	130.040
AG M6	AG M8
130.247	130.256
AG M8	AG M8

* AG = Außengewinde | Male thread

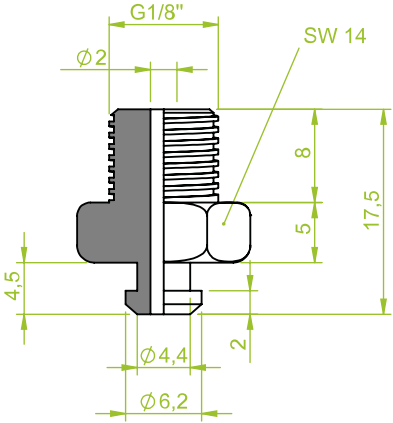
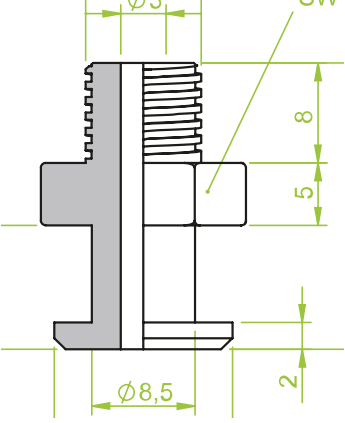
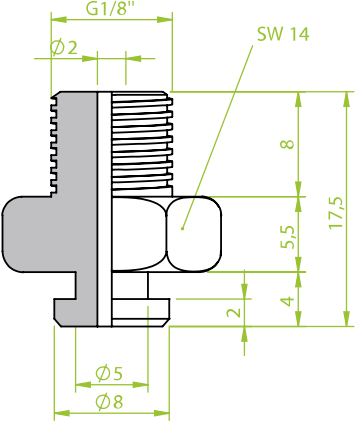
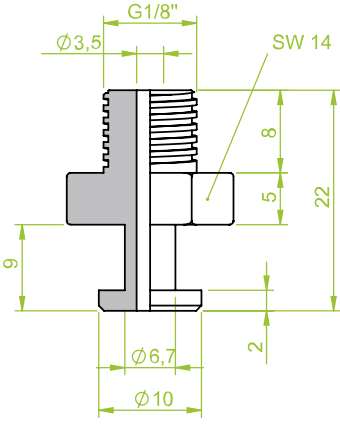
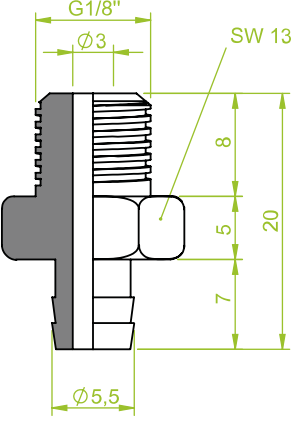

IG = Innengewinde | Female thread

Anschlußteile | *Fittings*

130.628	130.177
AG M8	AG M10
130.350	130.553
AG M10	AG M10
130.003	130.006
AG 1/8"	AG 1/8"

* AG = Außengewinde | Male thread

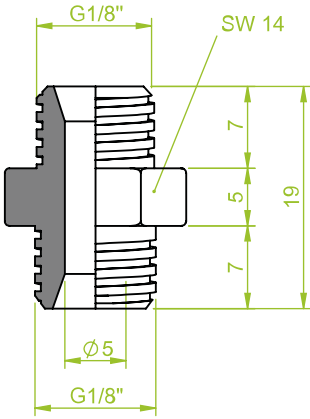
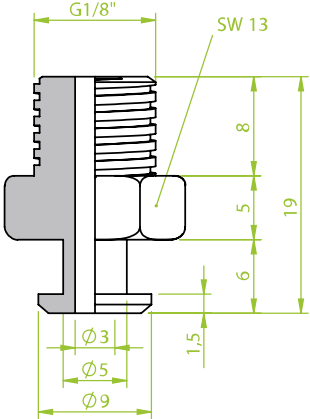
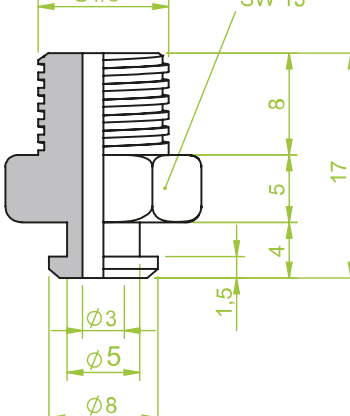
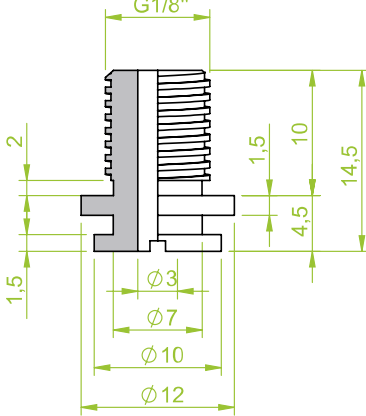
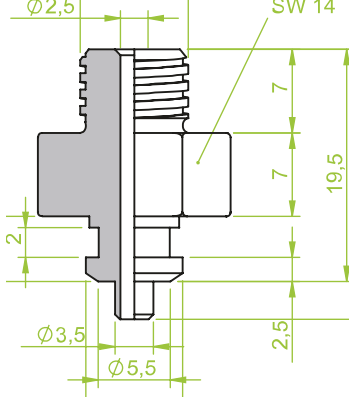
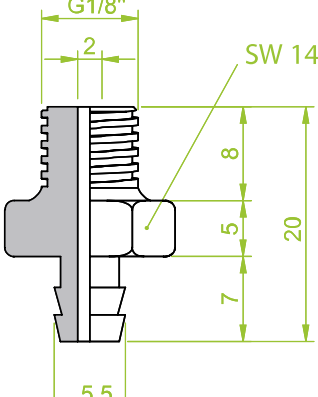
IG = Innengewinde | Female thread

130.009	130.012
AG 1/8"	AG 1/8"
 <p>Technical drawing of fitting 130.009. Dimensions: G1/8" thread, SW 14, $\varnothing 2$, 4,5, $\varnothing 4,4$, $\varnothing 6,2$, 2, 5, 8, 17,5.</p>	 <p>Technical drawing of fitting 130.012. Dimensions: $\varnothing 8,5$, 2, 5, 8, SW.</p>
130.021	130.030
AG 1/8"	AG 1/8"
 <p>Technical drawing of fitting 130.021. Dimensions: G1/8" thread, SW 14, $\varnothing 2$, 2, 4, 5,5, 8, 17,5, $\varnothing 5$, $\varnothing 8$.</p>	 <p>Technical drawing of fitting 130.030. Dimensions: G1/8" thread, SW 14, $\varnothing 3,5$, 9, 2, 5, 8, 22, $\varnothing 6,7$, $\varnothing 10$.</p>
130.033	130.036
AG 1/8"	AG 1/8"
 <p>Technical drawing of fitting 130.033. Dimensions: G1/8" thread, SW 13, $\varnothing 3$, 7, 5, 8, 20, $\varnothing 5,5$.</p>	 <p>Technical drawing of fitting 130.036. Dimensions: G1/8" thread, SW 13, $\varnothing 3$, 7, 5, 8, 20, $\varnothing 5,5$.</p>

* AG = Außengewinde | Male thread

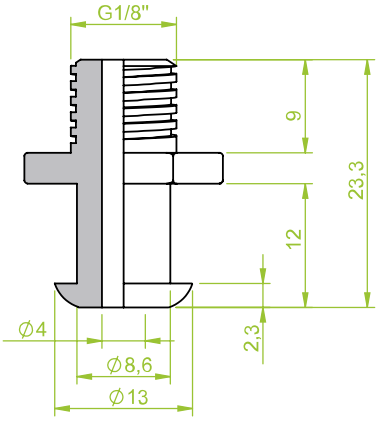
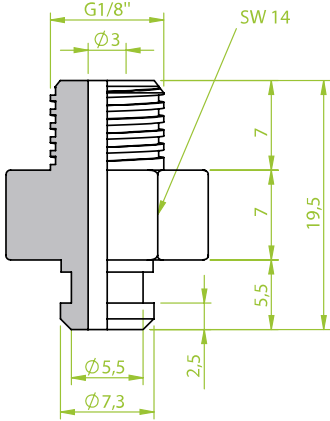
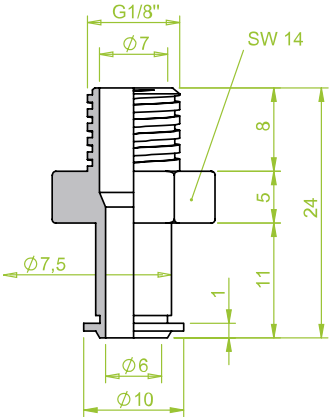
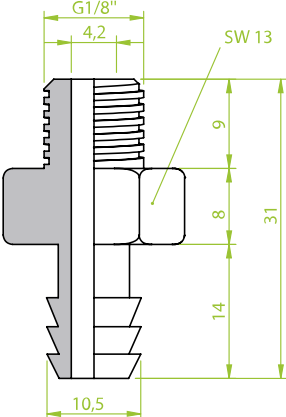
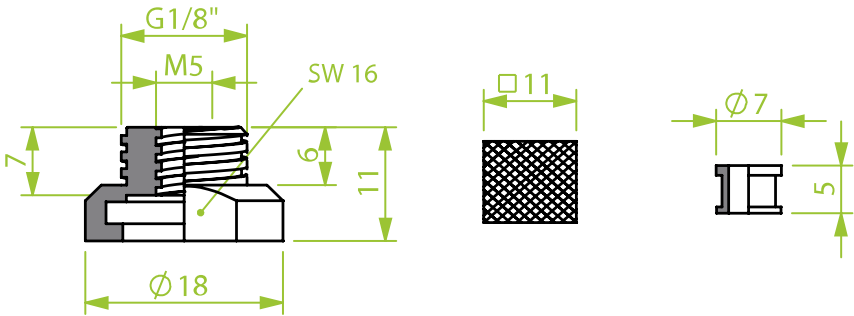
IG = Innengewinde | Female thread

Anschlußteile | Fittings

130.059	130.063
AG 1/8"	AG 1/8"
 <p>Technical drawing of fitting 130.059. It features a G1/8" male thread on the top and a G1/8" female thread on the bottom. The central body has a diameter of $\varnothing 5$. Dimensions include a total length of 19, with segments of 7, 5, and 7. A hexagonal base has a width of 14 (SW 14).</p>	 <p>Technical drawing of fitting 130.063. It features a G1/8" male thread on the top and a G1/8" female thread on the bottom. The central body has a diameter of $\varnothing 5$. Dimensions include a total length of 19, with segments of 8, 5, and 6. A hexagonal base has a width of 13 (SW 13). The base has diameters of $\varnothing 3$, $\varnothing 5$, and $\varnothing 9$, and a height of 1.5.</p>
130.064	130.077
AG 1/8"	AG 1/8"
 <p>Technical drawing of fitting 130.064. It features a G1/8" male thread on the top and a G1/8" female thread on the bottom. The central body has a diameter of $\varnothing 5$. Dimensions include a total length of 17, with segments of 8, 5, and 4. A hexagonal base has a width of 13 (SW 13). The base has diameters of $\varnothing 3$, $\varnothing 5$, and $\varnothing 8$, and a height of 1.5.</p>	 <p>Technical drawing of fitting 130.077. It features a G1/8" male thread on the top and a G1/8" female thread on the bottom. The central body has a diameter of $\varnothing 5$. Dimensions include a total length of 14.5, with segments of 2, 1.5, 10, and 4.5. A hexagonal base has a width of 13 (SW 13). The base has diameters of $\varnothing 3$, $\varnothing 7$, and $\varnothing 12$, and a height of 1.5.</p>
130.085	130.087
AG 1/8"	AG 1/8"
 <p>Technical drawing of fitting 130.085. It features a G1/8" male thread on the top and a G1/8" female thread on the bottom. The central body has a diameter of $\varnothing 5.5$. Dimensions include a total length of 19.5, with segments of 7, 7, and 2.5. A hexagonal base has a width of 14 (SW 14). The base has diameters of $\varnothing 2.5$ and $\varnothing 3.5$, and a height of 2.</p>	 <p>Technical drawing of fitting 130.087. It features a G1/8" male thread on the top and a G1/8" female thread on the bottom. The central body has a diameter of $\varnothing 5.5$. Dimensions include a total length of 20, with segments of 8, 5, and 7. A hexagonal base has a width of 14 (SW 14). The base has a diameter of $\varnothing 5.5$ and a height of 2.</p>

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

130.093	130.095
AG 1/8"	AG 1/8"
	
130.112	130.132
AG 1/8"	AG 1/8"
	
130.135	
AG 1/8"	
	

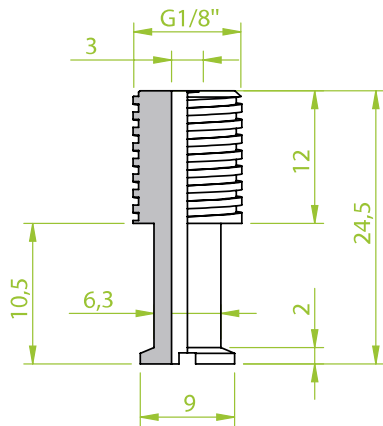
* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

Anschlußteile | *Fittings*

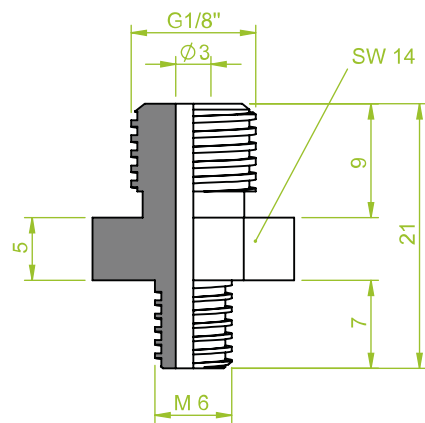
130.147

AG 1/8"



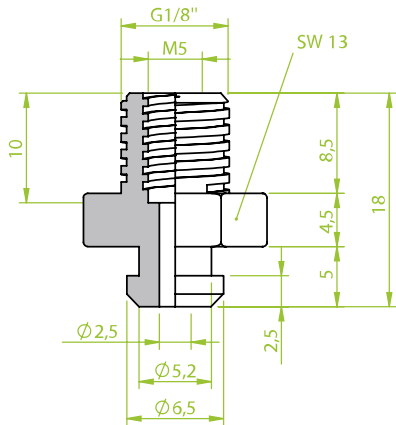
130.181

AG 1/8"



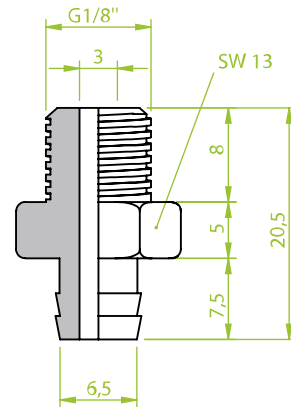
130.188

AG 1/8"



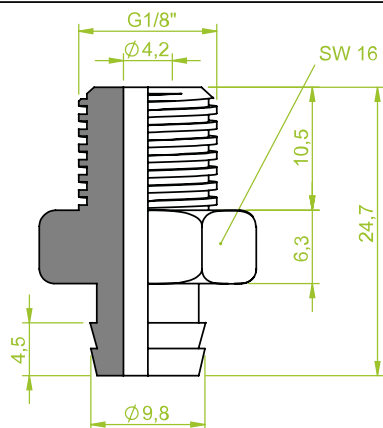
130.205

AG 1/8"



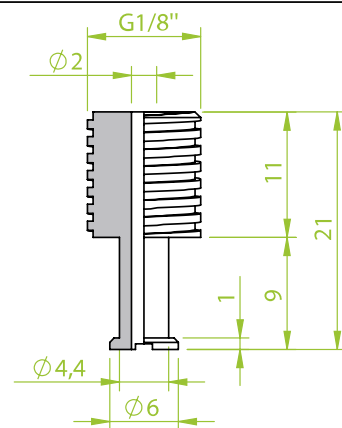
130.238

AG 1/8"



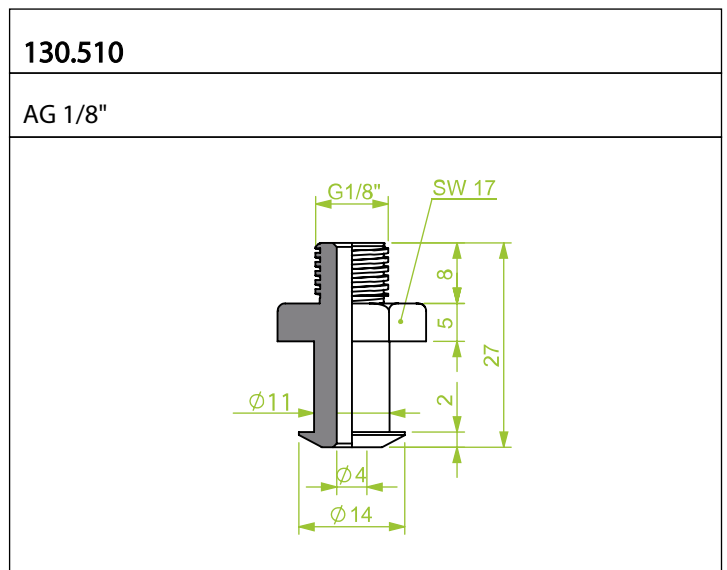
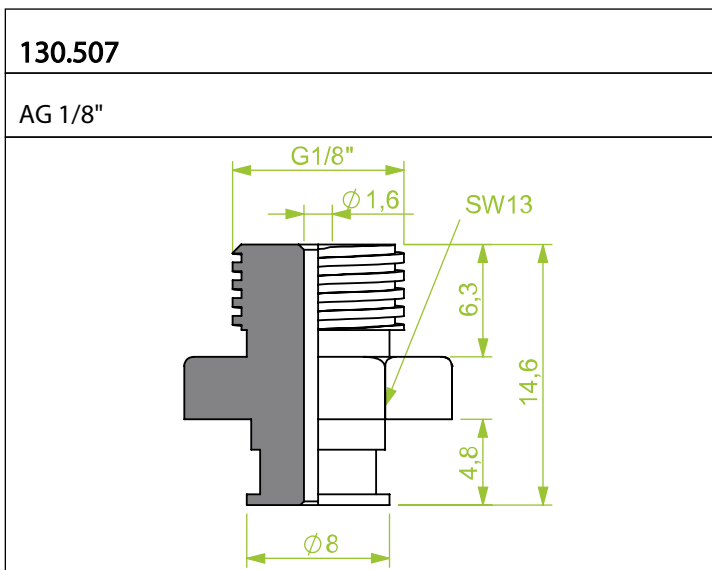
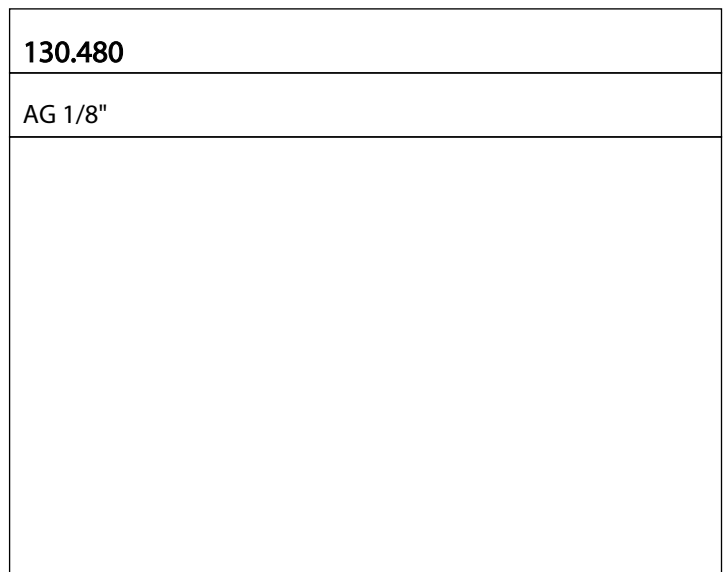
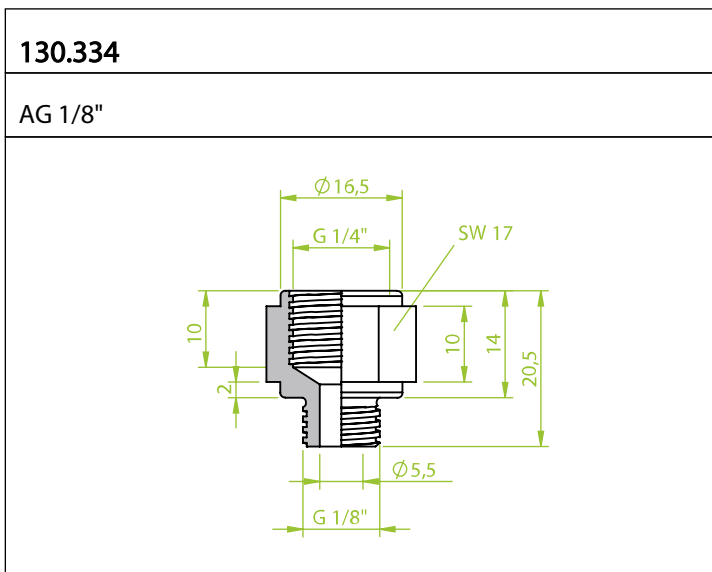
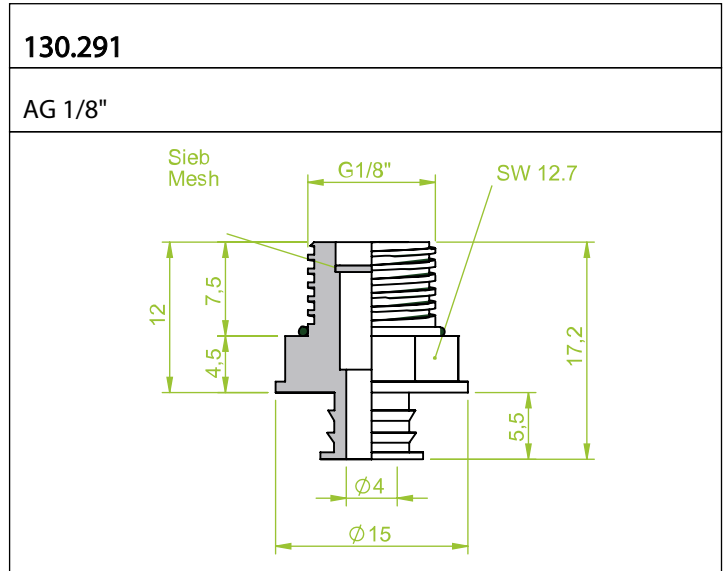
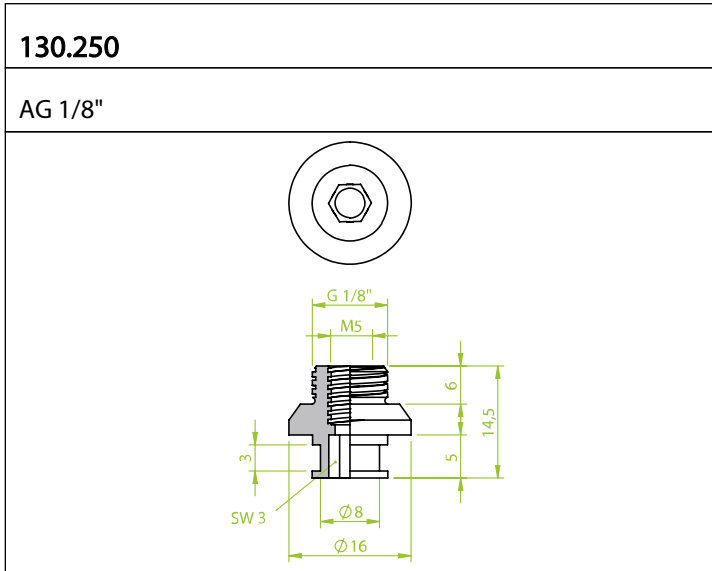
130.242

AG 1/8"



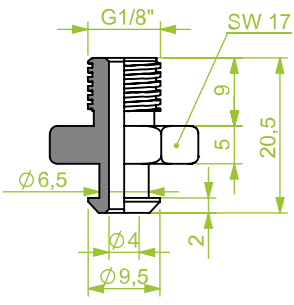
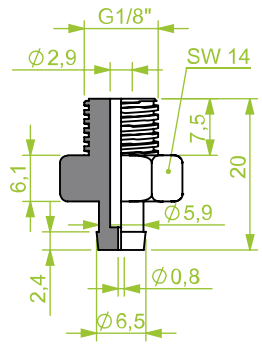
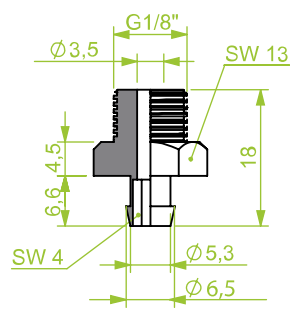
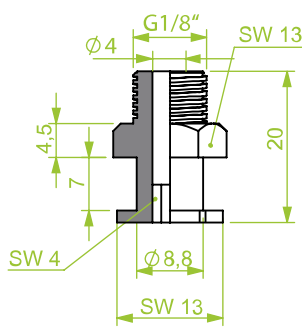
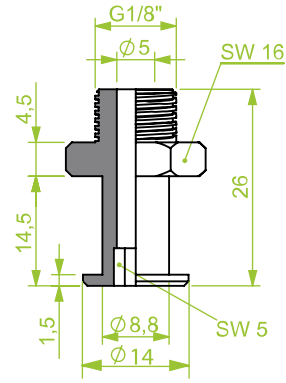
* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread



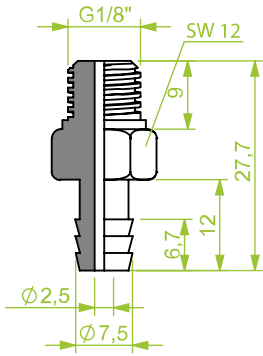
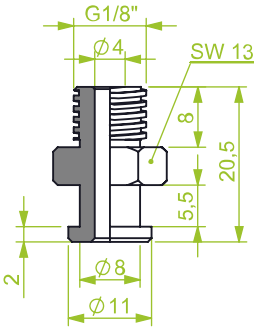
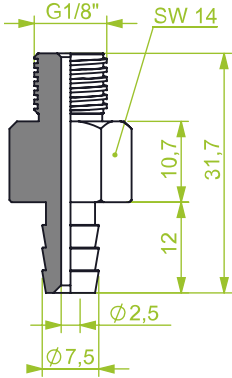
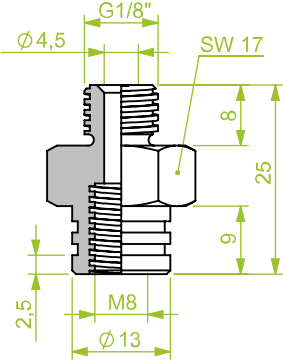
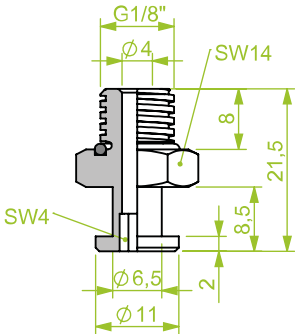
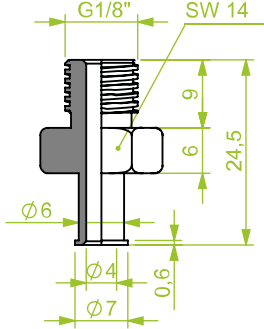
* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

130.520	130.524
AG 1/8"	AG 1/8"
 <p>Technical drawing of fitting 130.520. Dimensions: G1/8" (thread), SW 17 (hex width), 9 (thread length), 5 (hex length), 20,5 (total length), 2 (flange thickness), 2 (flange offset), Ø6,5 (flange outer diameter), Ø4 (flange inner diameter), Ø9,5 (flange base diameter).</p>	 <p>Technical drawing of fitting 130.524. Dimensions: G1/8" (thread), SW 14 (hex width), 7,5 (thread length), 20 (total length), 6,1 (flange offset), 2,4 (flange thickness), Ø2,9 (flange inner diameter), Ø5,9 (flange outer diameter), Ø0,8 (flange hole diameter), Ø6,5 (flange base diameter).</p>
130.538	130.539
AG 1/8"	AG 1/8"
 <p>Technical drawing of fitting 130.538. Dimensions: G1/8" (thread), Ø3,5 (thread diameter), SW 13 (hex width), 20 (total length), 8,5 (flange offset), 4,5 (flange thickness), SW 4 (flange hole diameter), Ø6,8 (flange outer diameter), Ø10 (flange base diameter).</p>	 <p>Technical drawing of fitting 130.539. Dimensions: G1/8" (thread), Ø3,5 (thread diameter), SW 13 (hex width), 18 (total length), 6,6 (flange offset), 4,5 (flange thickness), SW 4 (flange hole diameter), Ø5,3 (flange outer diameter), Ø6,5 (flange base diameter).</p>
130.540	130.541
AG 1/8"	AG 1/8"
 <p>Technical drawing of fitting 130.540. Dimensions: G1/8" (thread), Ø4 (thread diameter), SW 13 (hex width), 20 (total length), 4,5 (flange offset), 7 (flange thickness), SW 4 (flange hole diameter), Ø8,8 (flange outer diameter), SW 13 (flange base diameter).</p>	 <p>Technical drawing of fitting 130.541. Dimensions: G1/8" (thread), Ø5 (thread diameter), SW 16 (hex width), 26 (total length), 4,5 (flange offset), 14,5 (flange thickness), 1,5 (flange hole diameter), Ø8,8 (flange outer diameter), SW 5 (flange base diameter), Ø14 (flange base diameter).</p>

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

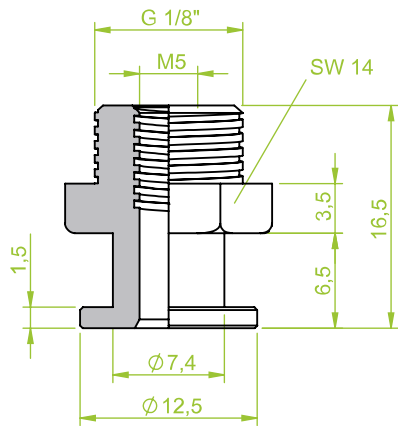
130.546	130.549
AG 1/8"	AG 1/8"
 <p>Technical drawing of fitting 130.546. It features a G1/8" male thread on the top. Dimensions include a total height of 27.7, a top section height of 9, a middle section height of 12, and a bottom section height of 6.7. The bottom diameter is 7.5, and the inner diameter is 2.5. A hex key size of SW 12 is indicated.</p>	 <p>Technical drawing of fitting 130.549. It features a G1/8" male thread on the top. Dimensions include a total height of 20.5, a top section height of 8, a middle section height of 5.5, and a bottom section height of 2. The bottom diameter is 11, and the inner diameter is 8. A hex key size of SW 13 is indicated.</p>
130.552	130.594
AG 1/8"	AG 1/8"
 <p>Technical drawing of fitting 130.552. It features a G1/8" male thread on the top. Dimensions include a total height of 31.7, a top section height of 10.7, a middle section height of 12, and a bottom section height of 2. The bottom diameter is 7.5, and the inner diameter is 2.5. A hex key size of SW 14 is indicated.</p>	 <p>Technical drawing of fitting 130.594. It features a G1/8" male thread on the top. Dimensions include a total height of 25, a top section height of 8, a middle section height of 9, and a bottom section height of 2.5. The bottom diameter is 13, and the inner diameter is 4.5. A hex key size of SW 17 is indicated.</p>
130.597	130.603
AG 1/8"	AG 1/8"
 <p>Technical drawing of fitting 130.597. It features a G1/8" male thread on the top. Dimensions include a total height of 21.5, a top section height of 8, a middle section height of 8.5, and a bottom section height of 2. The bottom diameter is 11, and the inner diameter is 6.5. A hex key size of SW 4 is indicated.</p>	 <p>Technical drawing of fitting 130.603. It features a G1/8" male thread on the top. Dimensions include a total height of 24.5, a top section height of 9, a middle section height of 6, and a bottom section height of 0.6. The bottom diameter is 7, and the inner diameter is 6. A hex key size of SW 14 is indicated.</p>

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

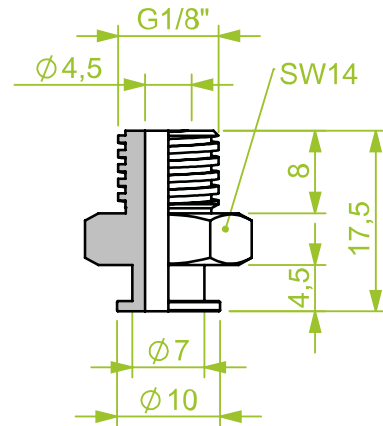
130.605

AG 1/8"



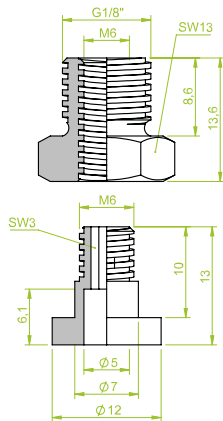
130.610

AG 1/8"



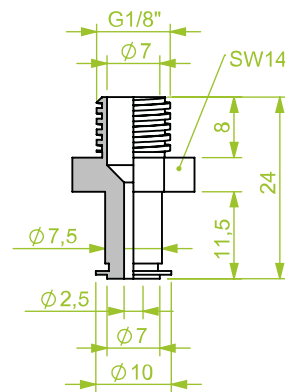
130.611

AG 1/8"



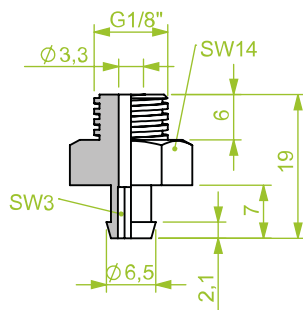
130.619

AG 1/8"



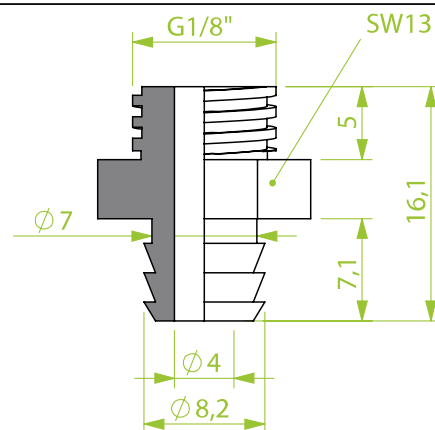
130.620

AG 1/8"



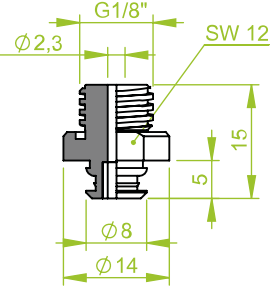
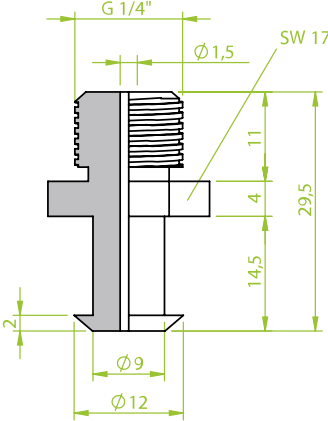
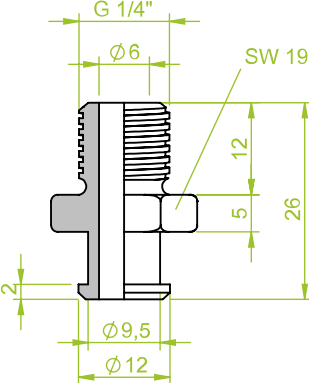
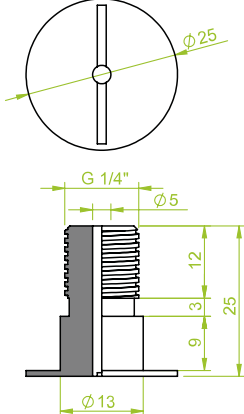
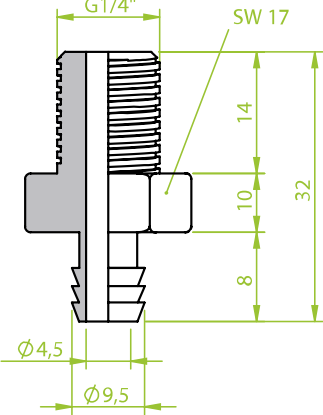
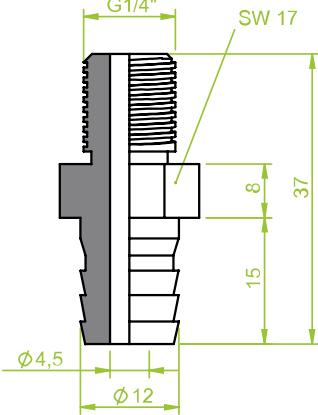
130.630

AG 1/8"



* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

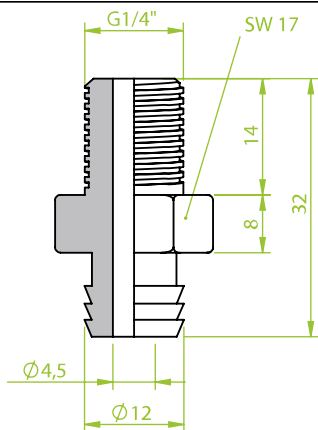
130.900	130.002
AG 1/8"	AG 1/4"
 <p>Technical drawing of fitting 130.900. It is a male thread fitting (AG 1/8"). Dimensions include: thread G1/8", outer diameter $\varnothing 2,3$, hex width SW 12, hex height 15, hex diameter $\varnothing 8$, and base diameter $\varnothing 14$. A chamfered edge has a diameter of 5.</p>	 <p>Technical drawing of fitting 130.002. It is a female thread fitting (AG 1/4"). Dimensions include: thread G1/4", inner diameter $\varnothing 1,5$, hex width SW 17, hex height 11, hex diameter $\varnothing 9$, base diameter $\varnothing 12$, and total height 29,5. A chamfered edge has a diameter of 2.</p>
130.034	130.042
AG 1/4"	AG 1/4"
 <p>Technical drawing of fitting 130.034. It is a male thread fitting (AG 1/4"). Dimensions include: thread G1/4", hex diameter $\varnothing 6$, hex width SW 19, hex height 12, hex diameter $\varnothing 9,5$, base diameter $\varnothing 12$, and total height 26. A chamfered edge has a diameter of 2.</p>	 <p>Technical drawing of fitting 130.042. It is a female thread fitting (AG 1/4"). Dimensions include: thread G1/4", inner diameter $\varnothing 5$, hex height 12, hex diameter $\varnothing 13$, and total height 25. A chamfered edge has a diameter of 9.</p>
130.043	130.044
AG 1/4"	AG 1/4"
 <p>Technical drawing of fitting 130.043. It is a male thread fitting (AG 1/4"). Dimensions include: thread G1/4", hex width SW 17, hex height 14, hex diameter $\varnothing 4,5$, base diameter $\varnothing 9,5$, and total height 32. A chamfered edge has a diameter of 8.</p>	 <p>Technical drawing of fitting 130.044. It is a female thread fitting (AG 1/4"). Dimensions include: thread G1/4", hex width SW 17, hex height 8, hex diameter $\varnothing 4,5$, base diameter $\varnothing 12$, and total height 37. A chamfered edge has a diameter of 15.</p>

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

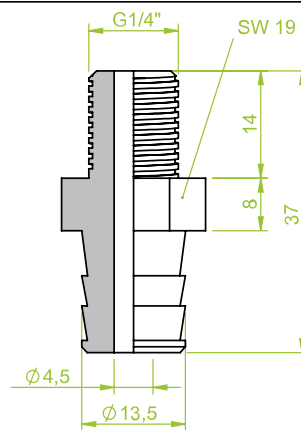
130.048

AG 1/4"



130.049

AG 1/4"

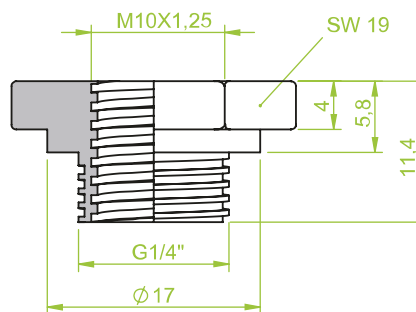


130.071

AG 1/4"

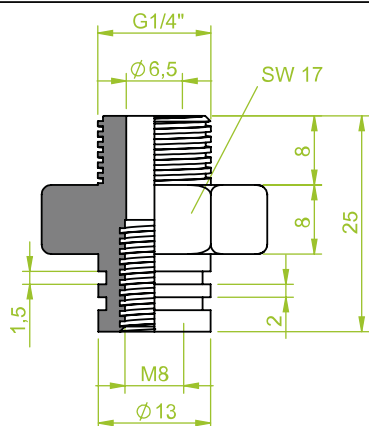
130.090

AG 1/4"



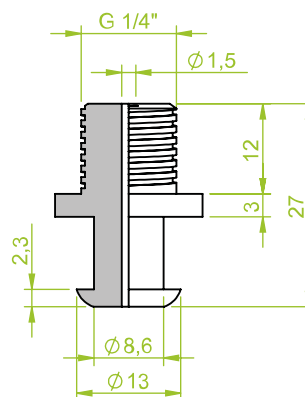
130.097

AG 1/4"



130.099

AG 1/4"



* AG = Außengewinde | Male thread

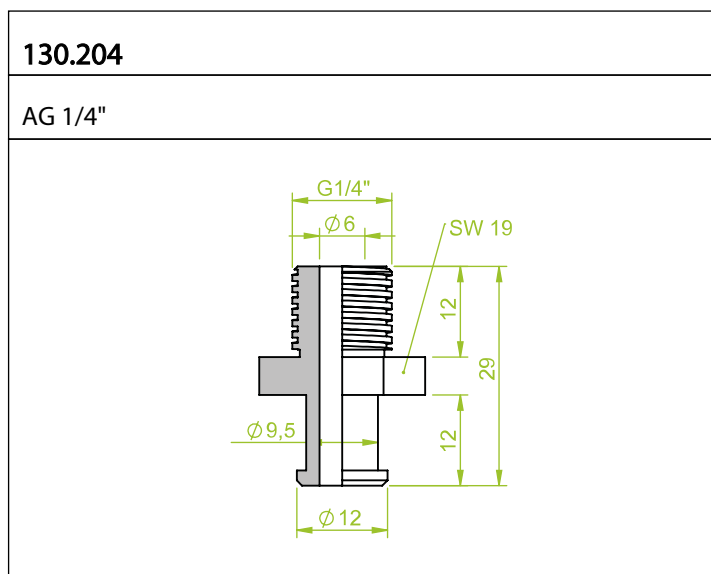
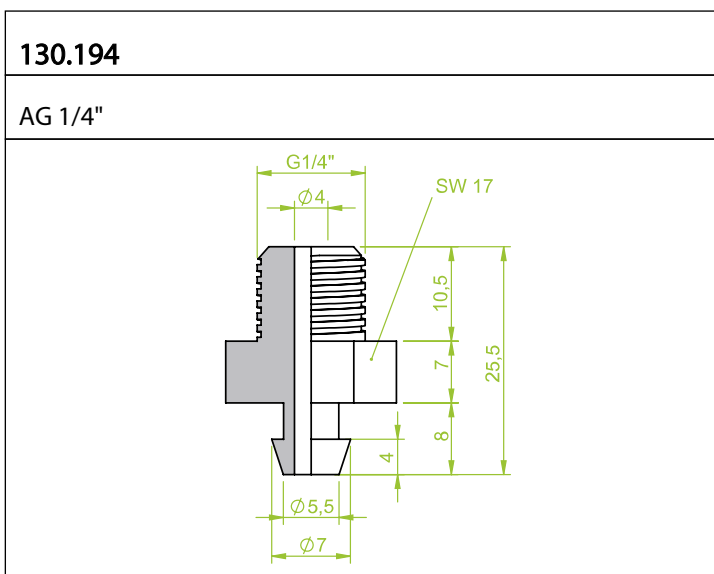
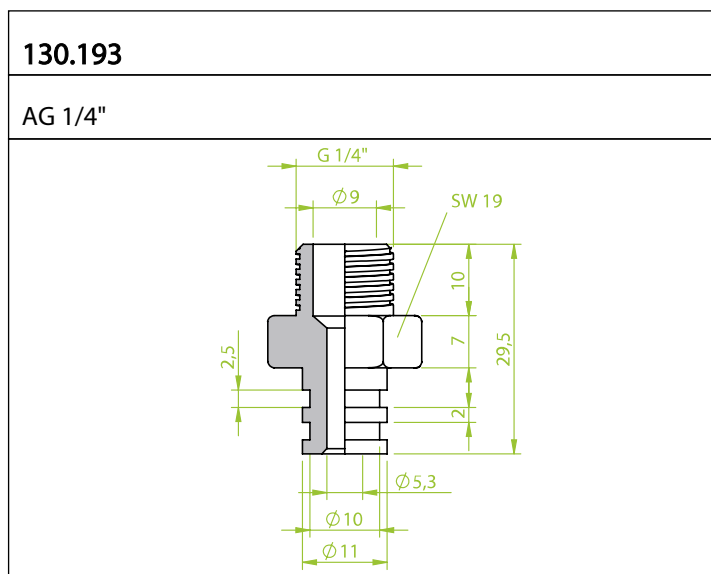
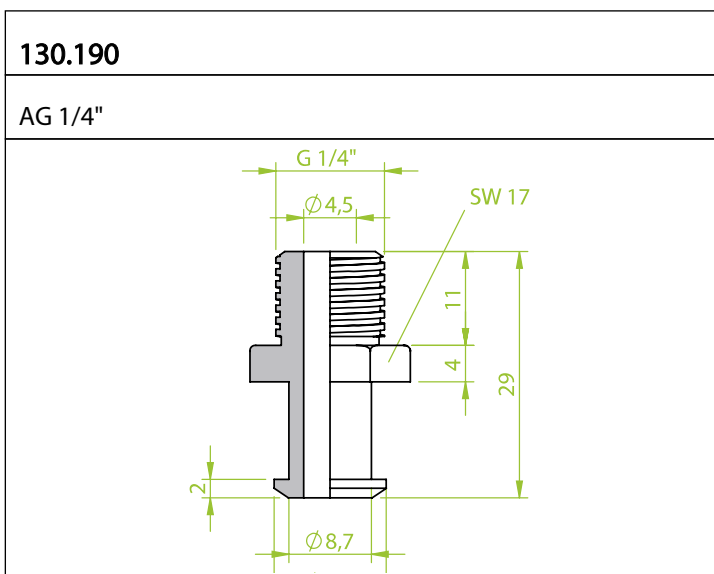
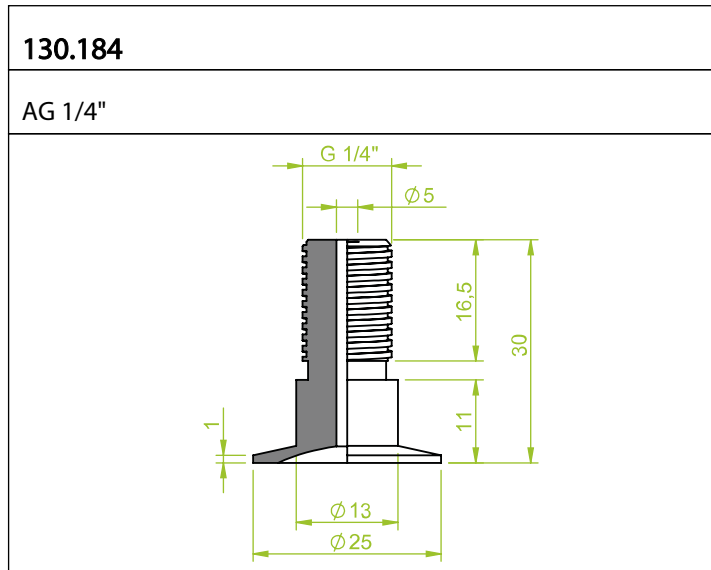
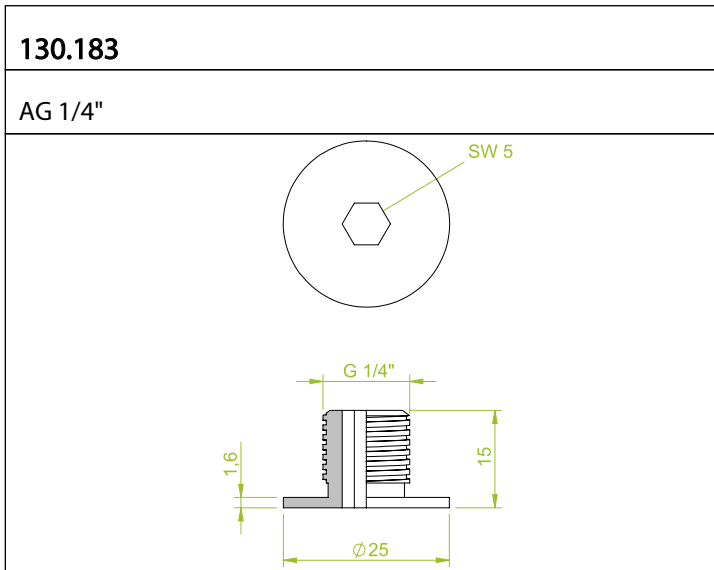
IG = Innengewinde | Female thread

130.100	130.101
AG 1/4"	AG 1/4"
130.113	130.145
AG 1/4"	AG 1/4"
130.175	130.176
AG 1/4"	AG 1/4"

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

Anschlußteile | *Fittings*



* AG = Außengewinde | Male thread

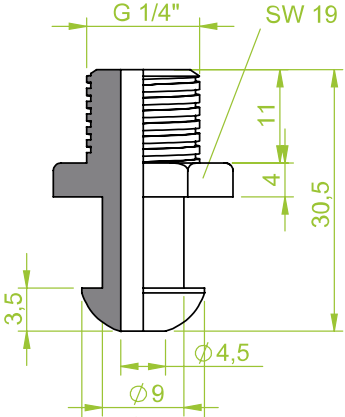
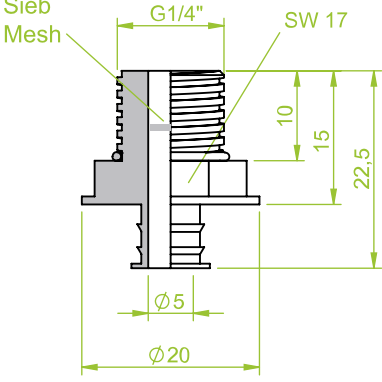
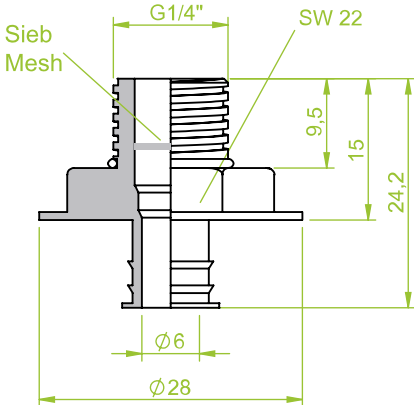
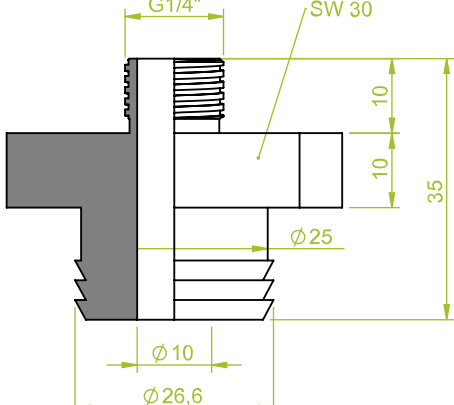
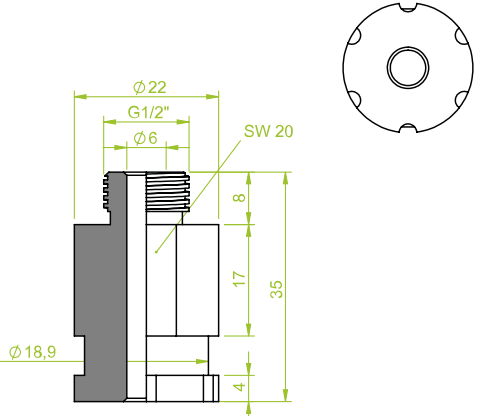
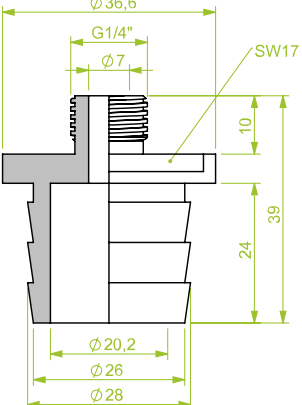
IG = Innengewinde | Female thread

130.207	130.208
AG 1/4"	AG 1/4"
130.210	130.216
AG 1/4"	AG 1/4"
130.249	130.274
AG 1/4"	AG 1/4"

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

Anschlußteile | *Fittings*

130.281	130.293
AG 1/4"	AG 1/4"
	
130.294	130.327
AG 1/4"	AG 1/4"
	
130.390	130.438
AG 1/4"	AG 1/4"
	

* AG = Außengewinde | Male thread

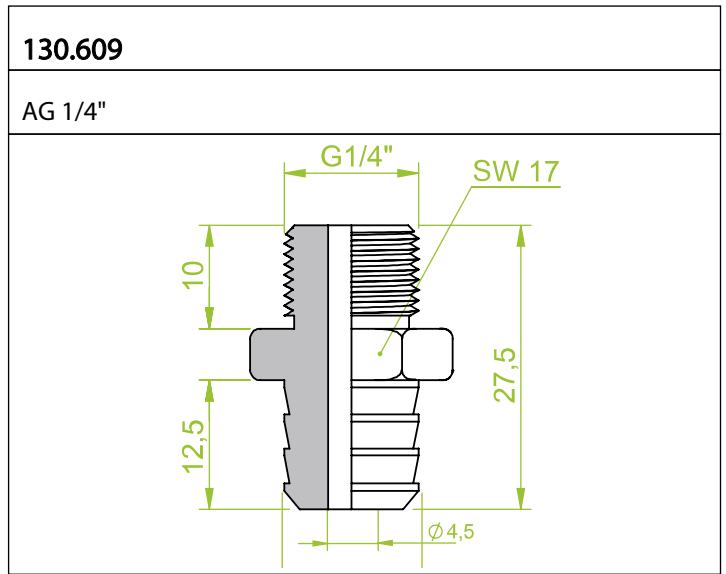
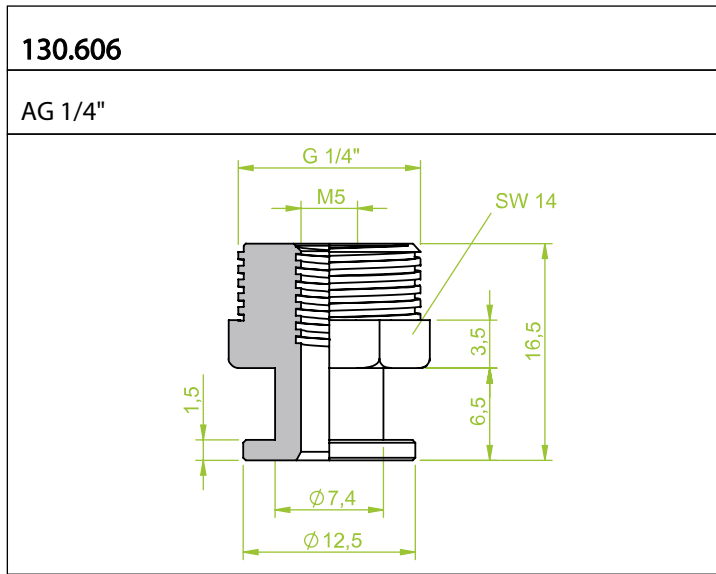
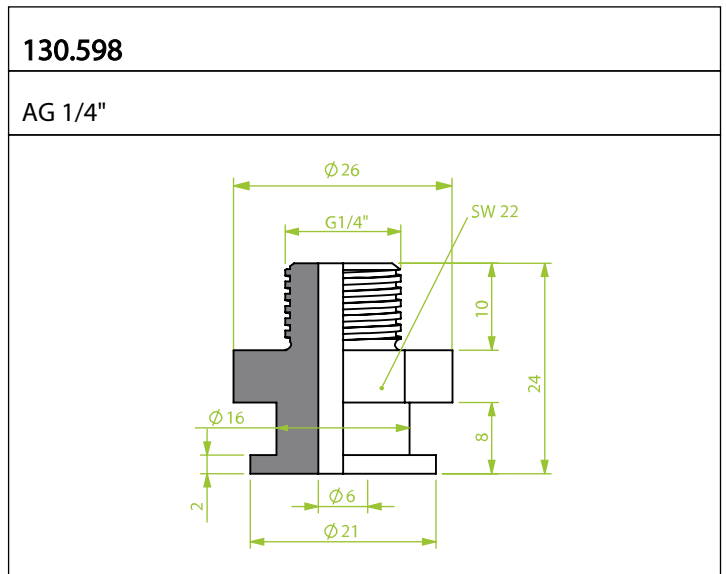
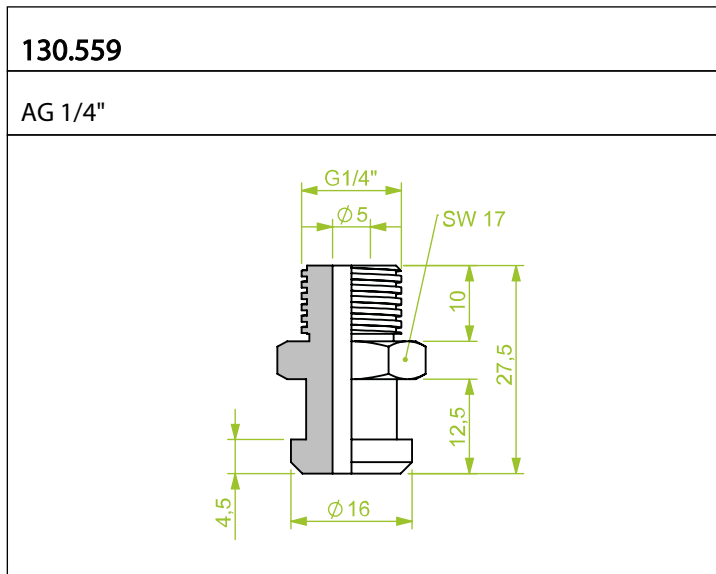
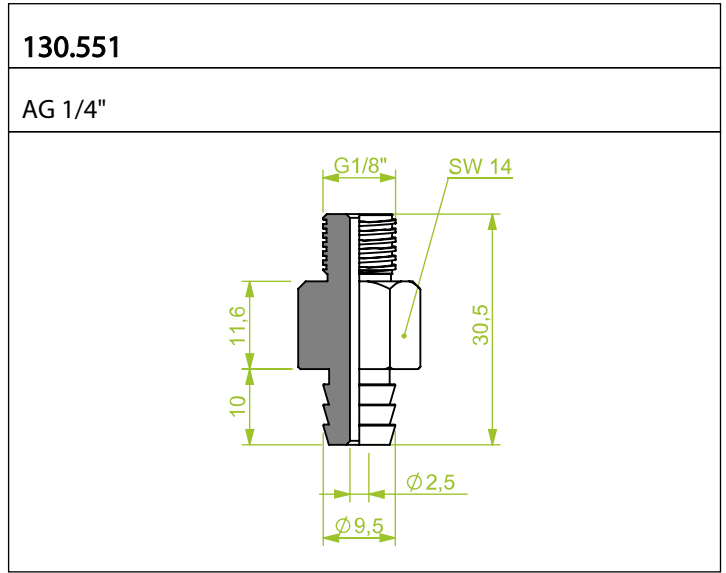
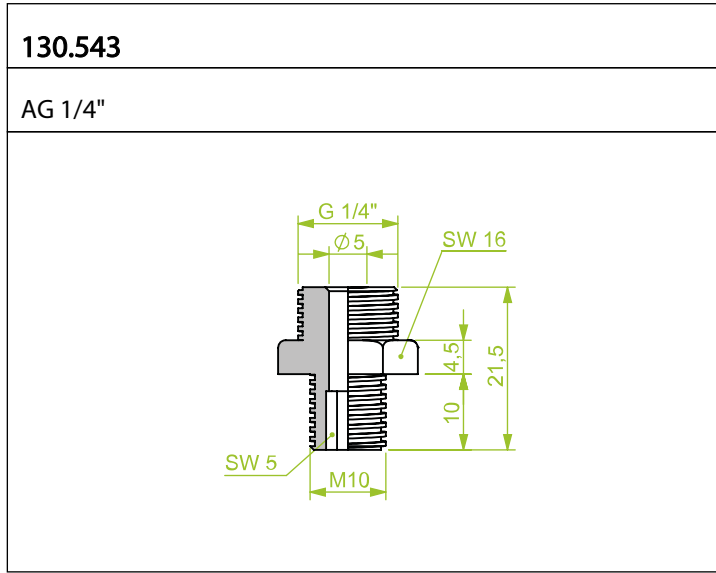
IG = Innengewinde | Female thread

130.451	130.504
AG 1/4"	AG 1/4"
130.508	130.518
AG 1/4"	AG 1/4"
130.521	130.542
AG 1/4"	AG 1/4"

* AG = Außengewinde | Male thread

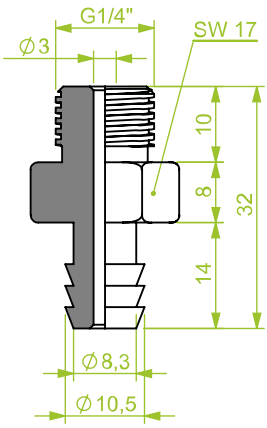
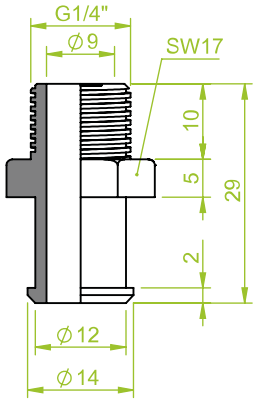
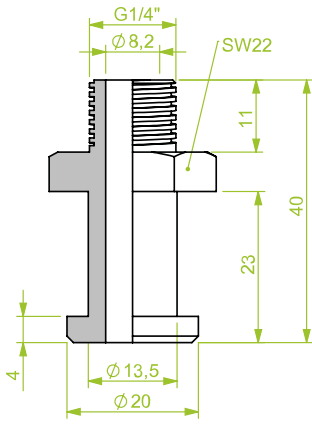
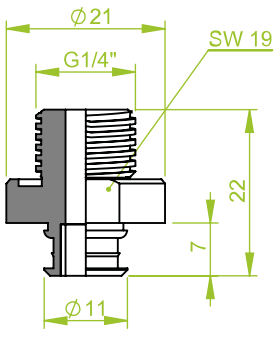
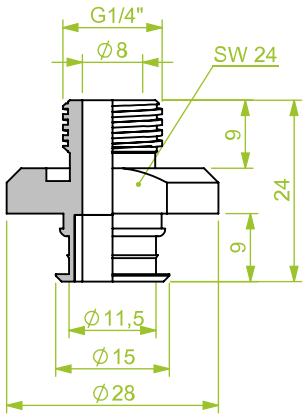
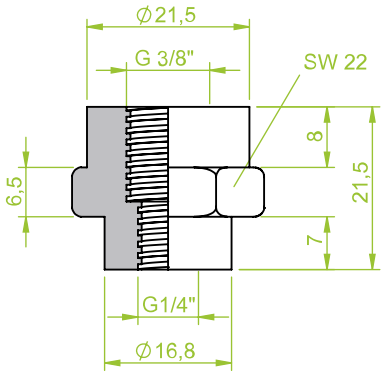
IG = Innengewinde | Female thread

Anschlußteile | *Fittings*



* AG = Außengewinde | Male thread

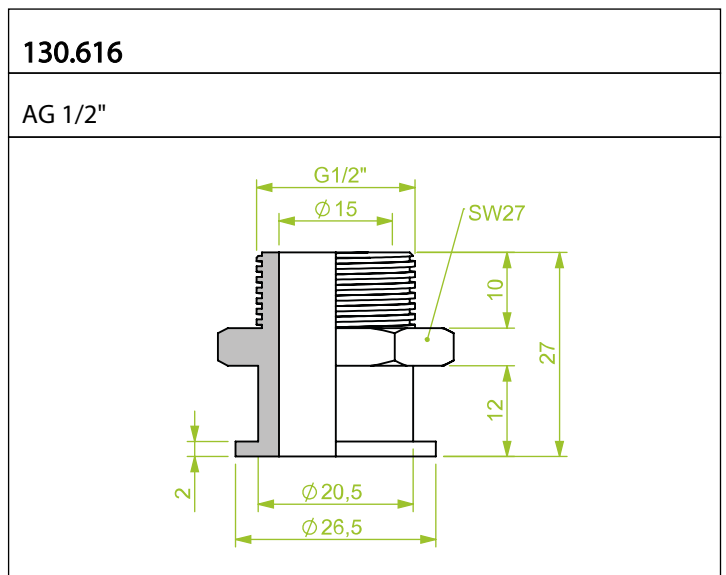
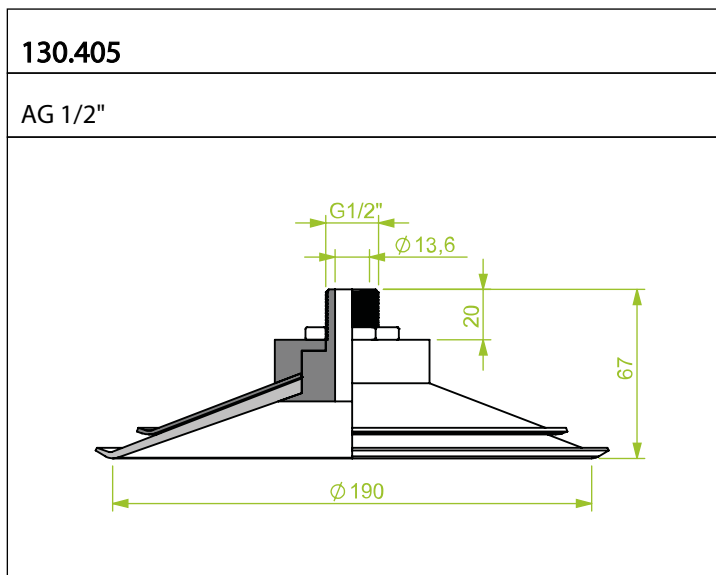
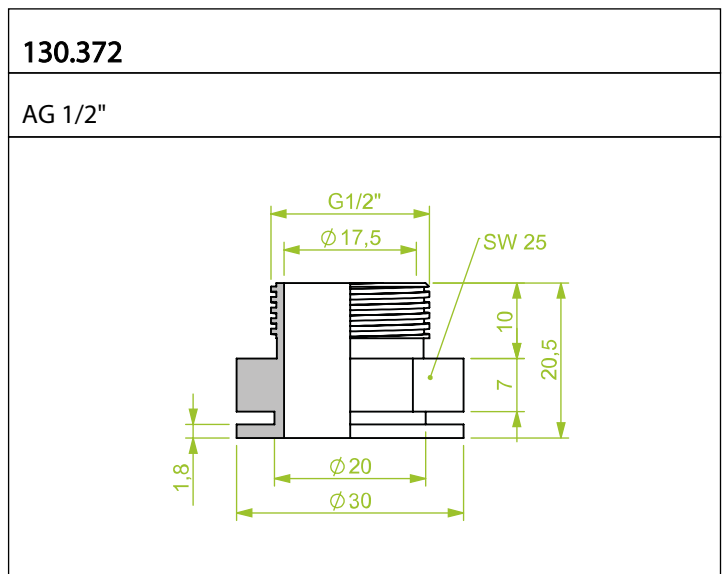
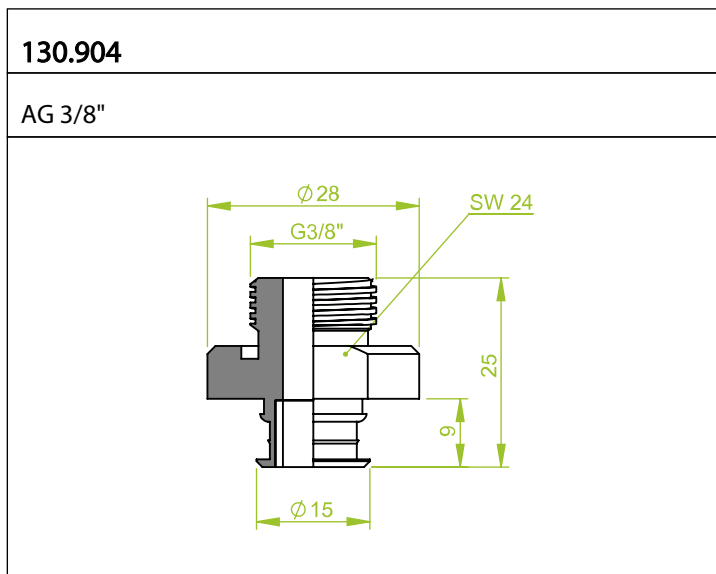
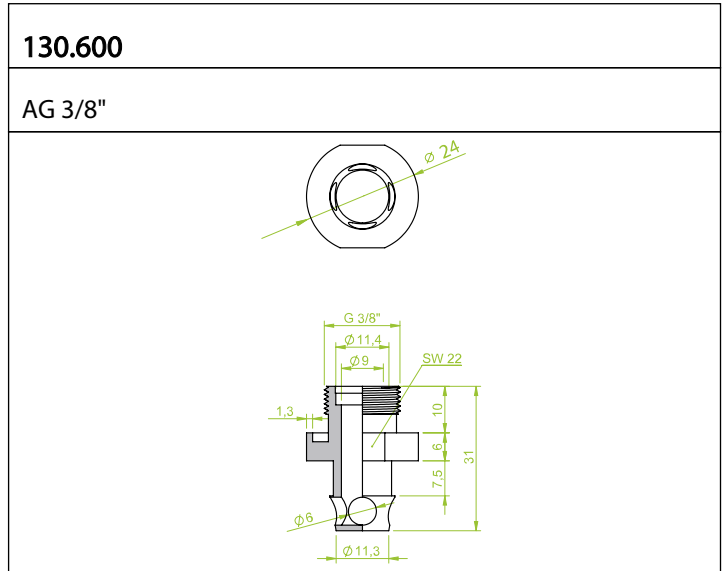
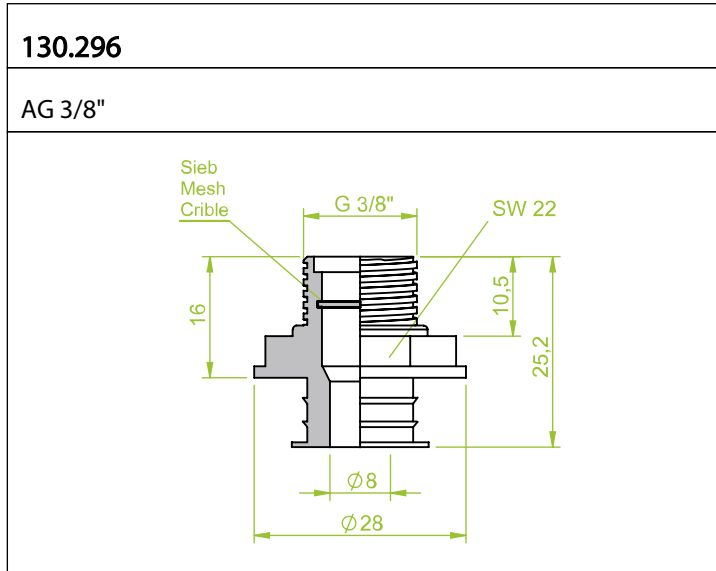
IG = Innengewinde | Female thread

130.614	130.617
AG 1/4"	AG 1/4"
 <p>Technical drawing of fitting 130.614. Dimensions: G1/4" thread, SW 17 hex key size, $\Phi 3$ hole, 10mm thread length, 8mm body length, 14mm total length, $\Phi 8,3$ hole, $\Phi 10,5$ outer diameter.</p>	 <p>Technical drawing of fitting 130.617. Dimensions: G1/4" thread, SW 17 hex key size, $\Phi 9$ hole, 10mm thread length, 5mm body length, 2mm total length, $\Phi 12$ hole, $\Phi 14$ outer diameter.</p>
130.622	130.902
AG 1/4"	AG 1/4"
 <p>Technical drawing of fitting 130.622. Dimensions: G1/4" thread, SW 22 hex key size, $\Phi 8,2$ hole, 11mm thread length, 23mm body length, 40mm total length, $\Phi 13,5$ hole, $\Phi 20$ outer diameter.</p>	 <p>Technical drawing of fitting 130.902. Dimensions: G1/4" thread, SW 19 hex key size, $\Phi 21$ hole, 22mm thread length, 7mm body length, $\Phi 11$ hole.</p>
130.908	130.295
AG 1/4"	AG 3/8"
 <p>Technical drawing of fitting 130.908. Dimensions: G1/4" thread, SW 24 hex key size, $\Phi 8$ hole, 9mm thread length, 24mm body length, $\Phi 11,5$ hole, $\Phi 15$ hole, $\Phi 28$ outer diameter.</p>	 <p>Technical drawing of fitting 130.295. Dimensions: G 3/8" thread, SW 22 hex key size, $\Phi 21,5$ hole, 8mm thread length, 7mm body length, 21,5mm total length, $\Phi 16,8$ hole, $\Phi 16,8$ outer diameter.</p>

* AG = Außengewinde | Male thread

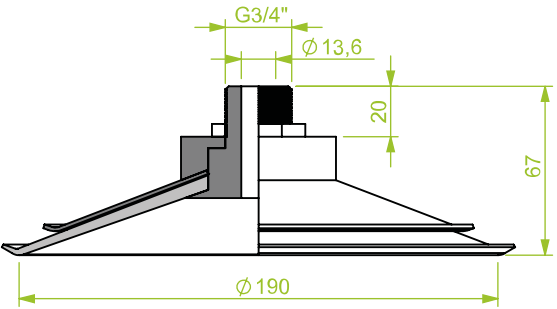
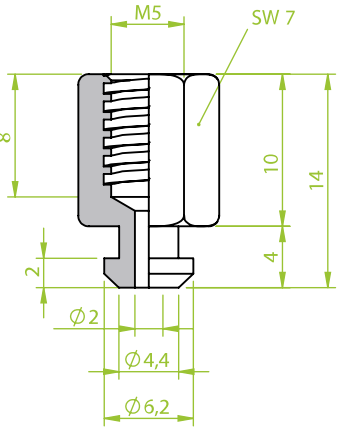
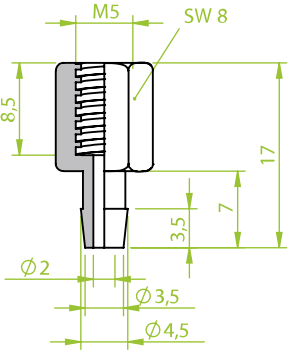
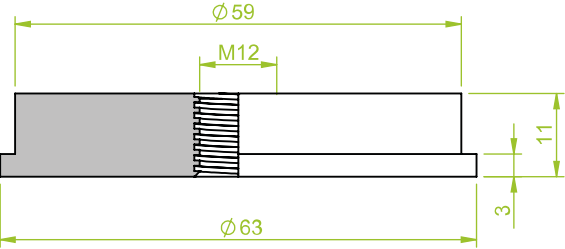
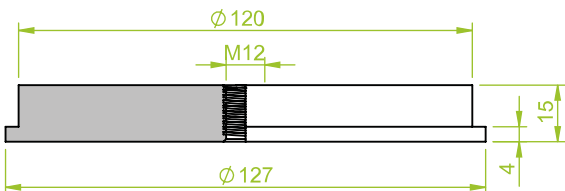
IG = Innengewinde | Female thread

Anschlußteile | *Fittings*



* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

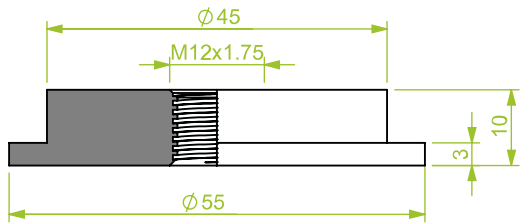
130.406	130.005
AG 3/4"	IG M5
 <p>Technical drawing of fitting 130.406. It shows a side view of a fitting with a G3/4" thread on top, a diameter of $\phi 13,6$, a height of 20, a total height of 67, and a base diameter of $\phi 190$.</p>	 <p>Technical drawing of fitting 130.005. It shows a side view of a fitting with an M5 thread, a SW 7 hex key size, a height of 8, a total height of 14, a base diameter of $\phi 2$, and other diameters of $\phi 4,4$ and $\phi 6,2$.</p>
130.347	130.374
IG M5	IG M5
 <p>Technical drawing of fitting 130.347. It shows a side view of a fitting with an M5 thread, a SW 8 hex key size, a height of 8,5, a total height of 17, a base diameter of $\phi 2$, and other diameters of $\phi 3,5$ and $\phi 4,5$.</p>	
130.263	130.272
IG M12	IG M12
 <p>Technical drawing of fitting 130.263. It shows a side view of a fitting with an M12 thread, a diameter of $\phi 59$, a total length of $\phi 63$, and a height of 11.</p>	 <p>Technical drawing of fitting 130.272. It shows a side view of a fitting with an M12 thread, a diameter of $\phi 120$, a total length of $\phi 127$, and a height of 15.</p>

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

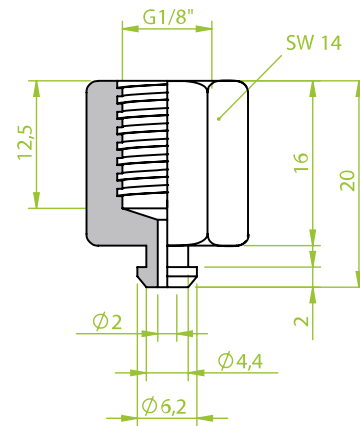
130.338

IG M12



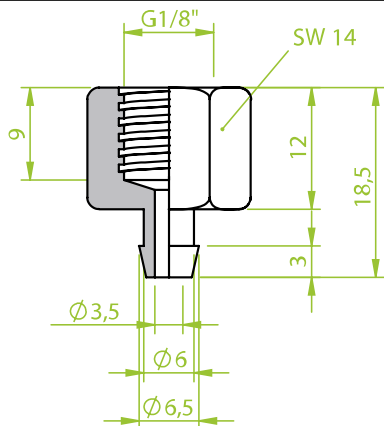
130.007

IG 1/8"



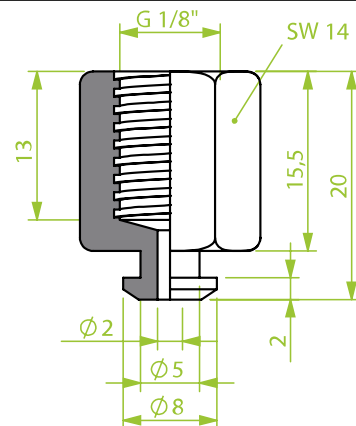
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IG 1/8"



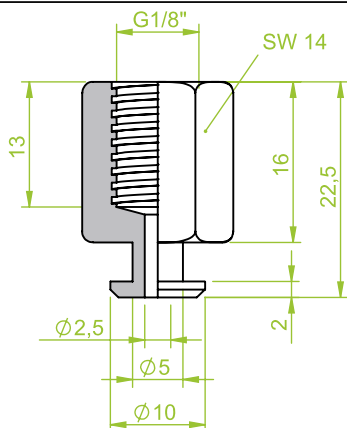
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IG 1/8"



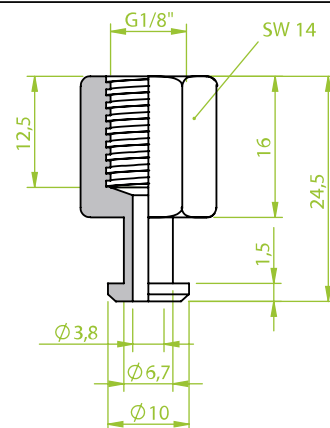
130.018

IG 1/8"



130.019

IG 1/8"



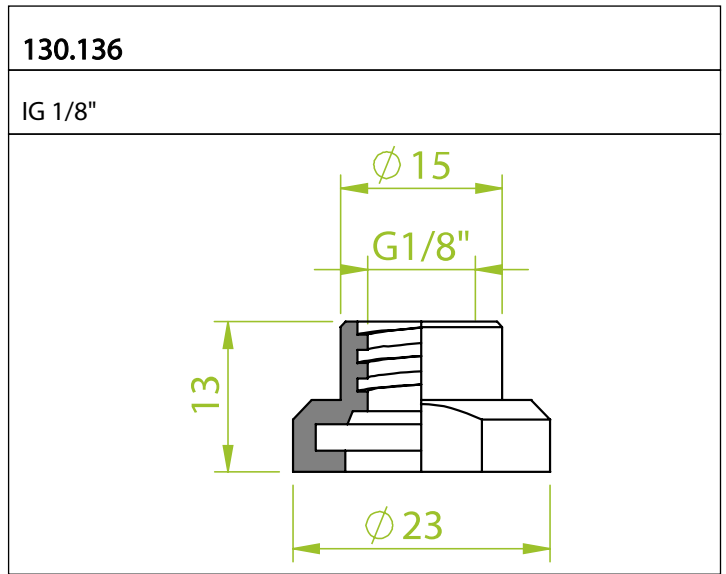
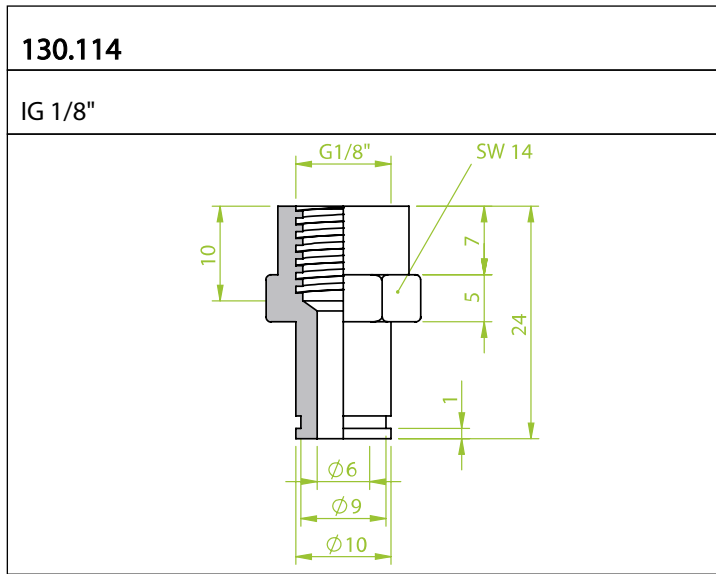
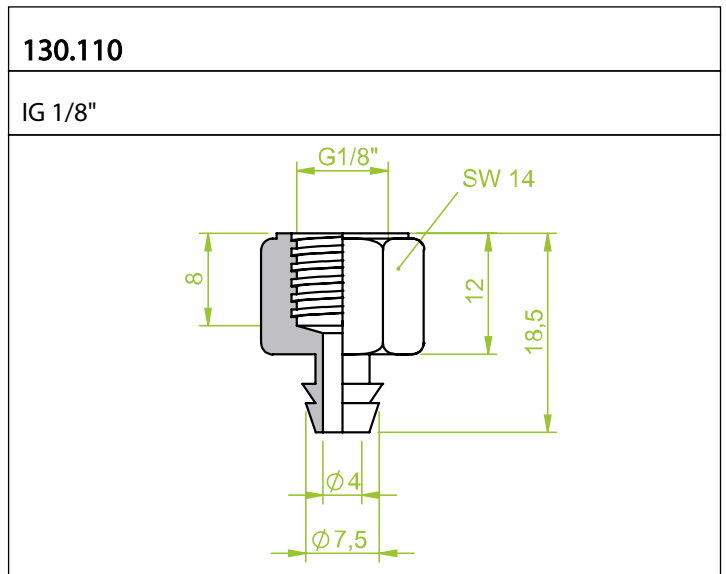
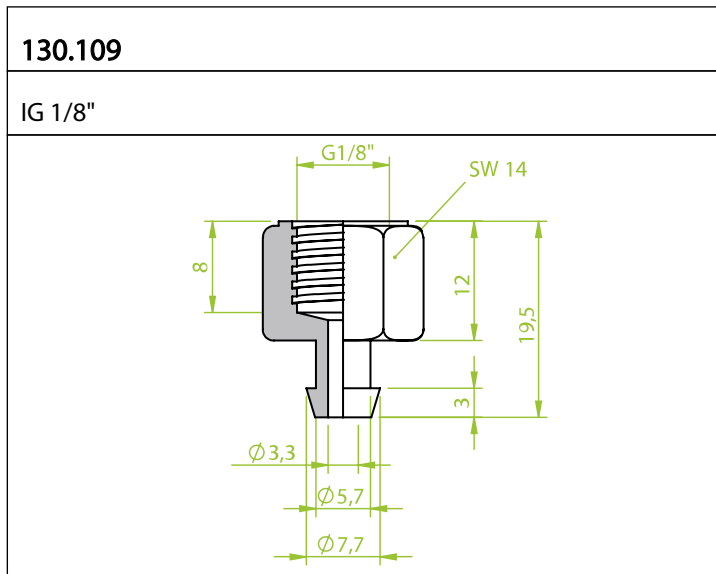
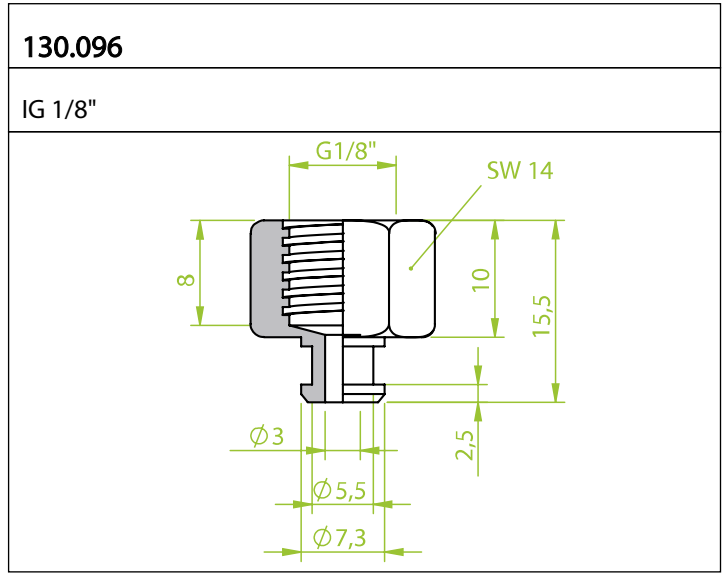
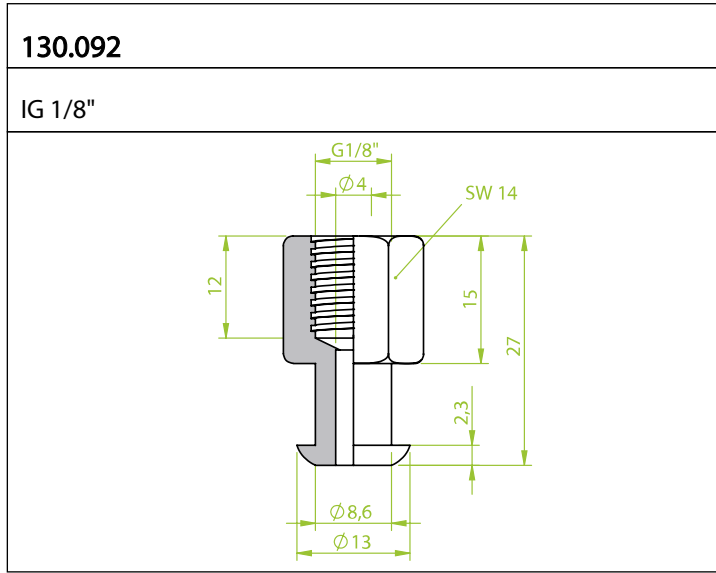
* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

130.020	130.035
IG 1/8"	IG 1/8"
130.041	130.061
IG 1/8"	IG 1/8"
130.065	130.086
IG 1/8"	IG 1/8"

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

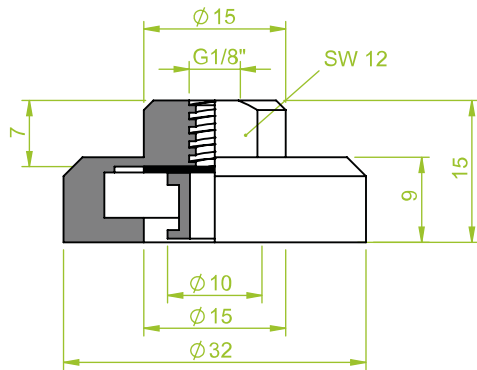


* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

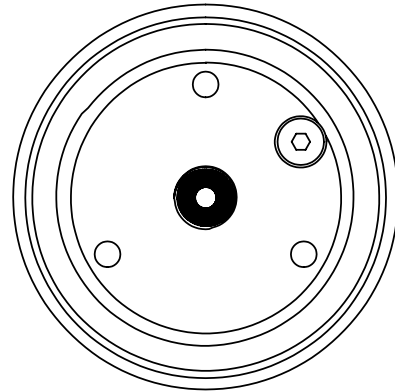
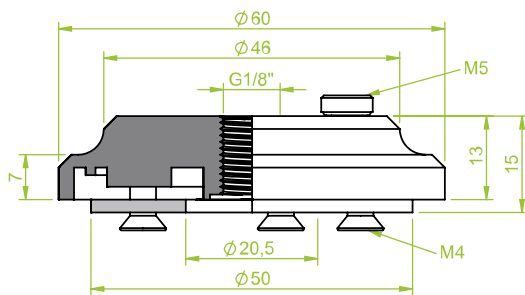
130.137

IG 1/8"



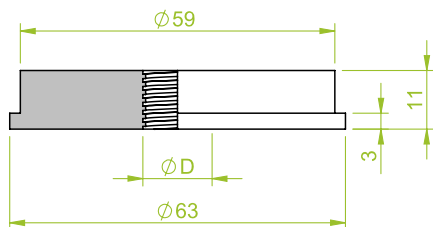
130.138

IG 1/8"



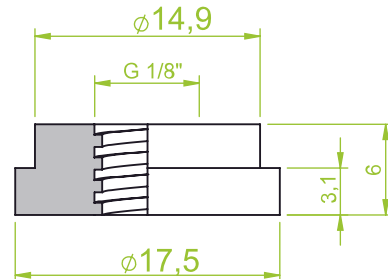
130.158

IG 1/8"



130.233

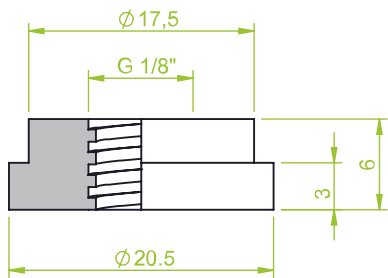
IG 1/8"

* **AG** = Außengewinde | Male thread**IG** = Innengewinde | Female thread

Anschlußteile | *Fittings*

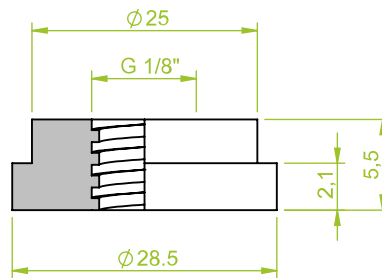
130.234

IG 1/8"



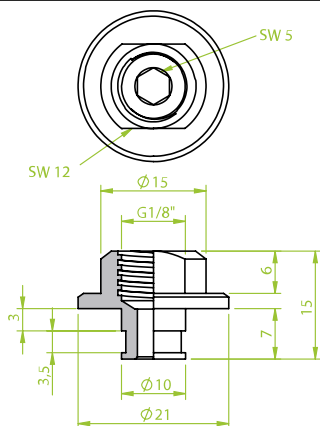
130.235

IG 1/8"



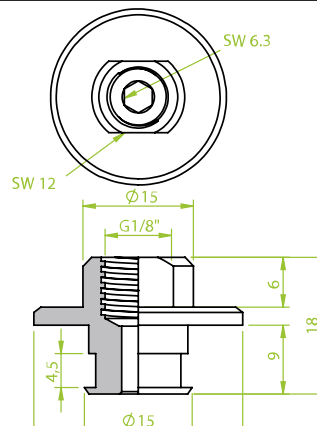
130.251

IG 1/8"



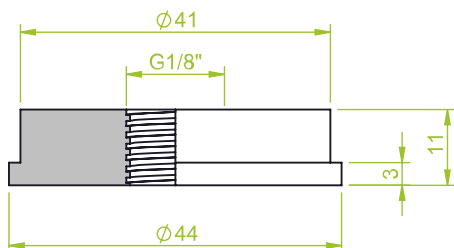
130.252

IG 1/8"



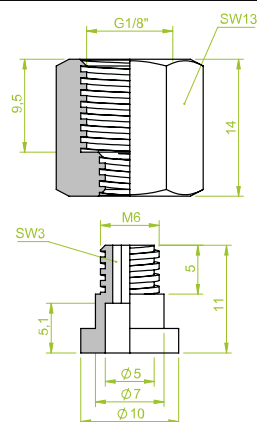
130.262

IG 1/8"



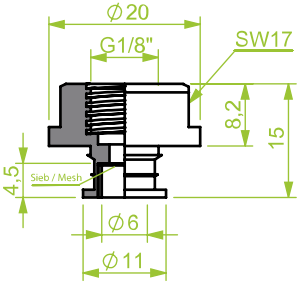
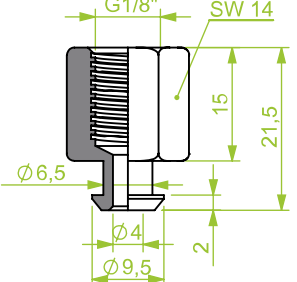
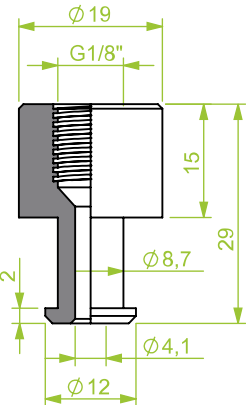
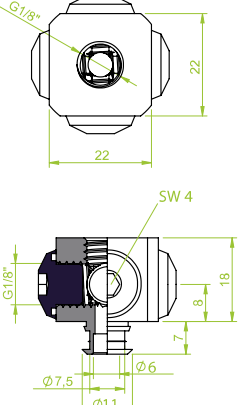
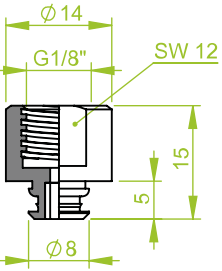
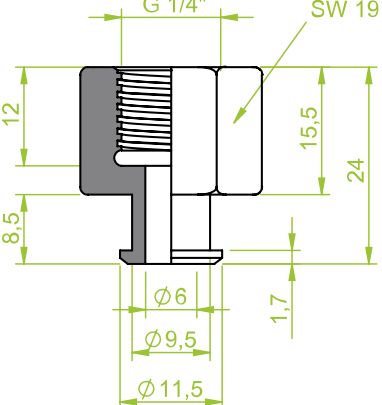
130.479

IG 1/8"



* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

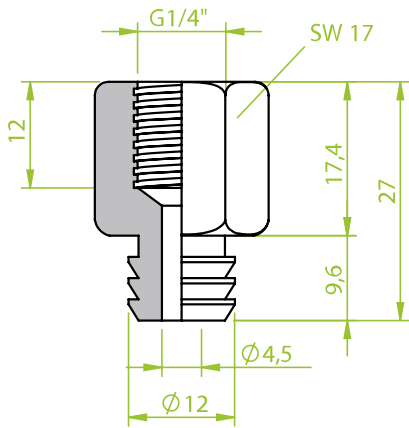
130.501	130.519
IG 1/8"	IG 1/8"
	
130.554	130.607
IG 1/8"	IG 1/8"
	
130.901	130.038
IG 1/8"	IG 1/4"
	

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

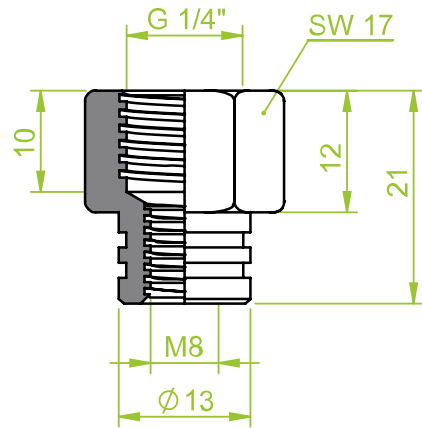
130.046

IG 1/4"



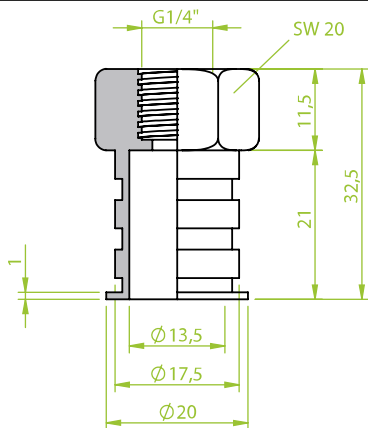
130.098

IG 1/4"



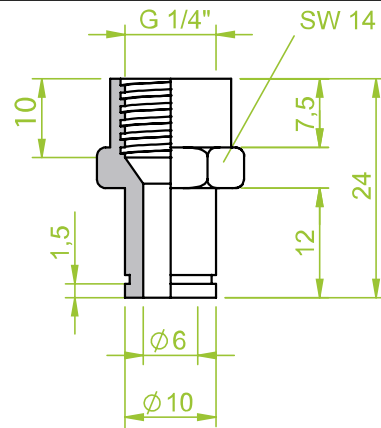
130.116

IG 1/4"



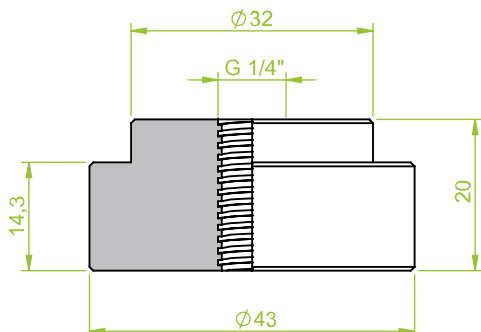
130.178

IG 1/4"



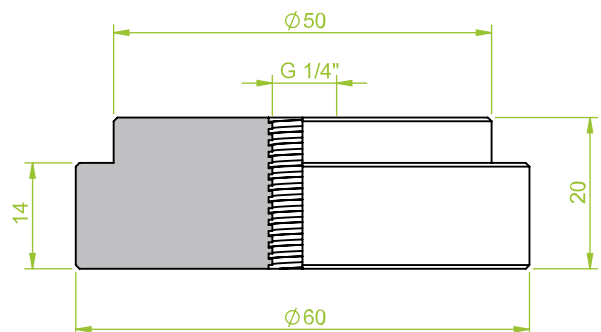
130.179

IG 1/4"



130.180

IG 1/4"

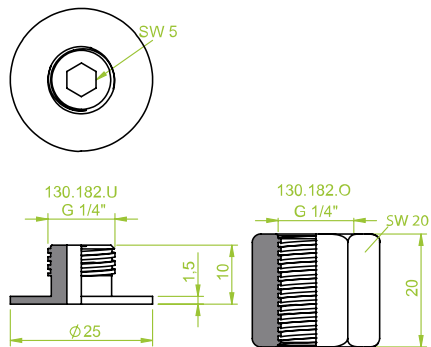


* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

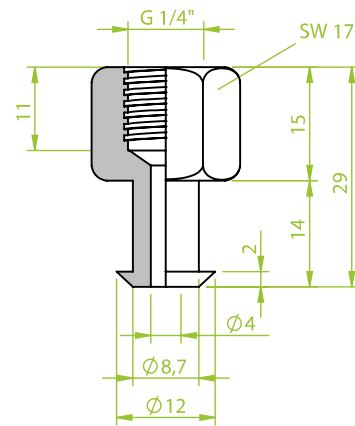
130.182

IG 1/4"



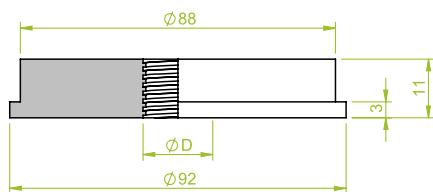
130.192

IG 1/4"



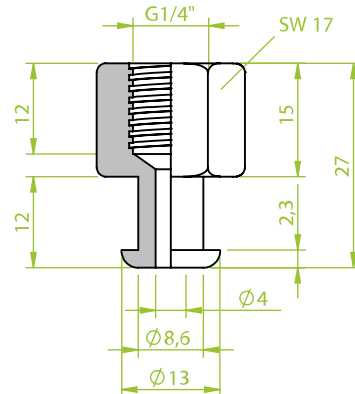
130.224

IG 1/4"



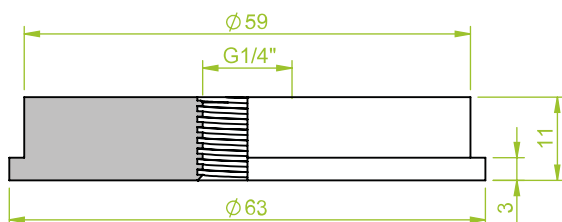
130.248

IG 1/4"



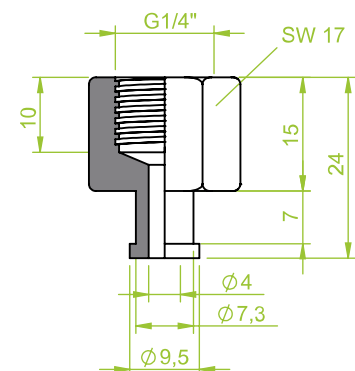
130.264

IG 1/4"



130.275

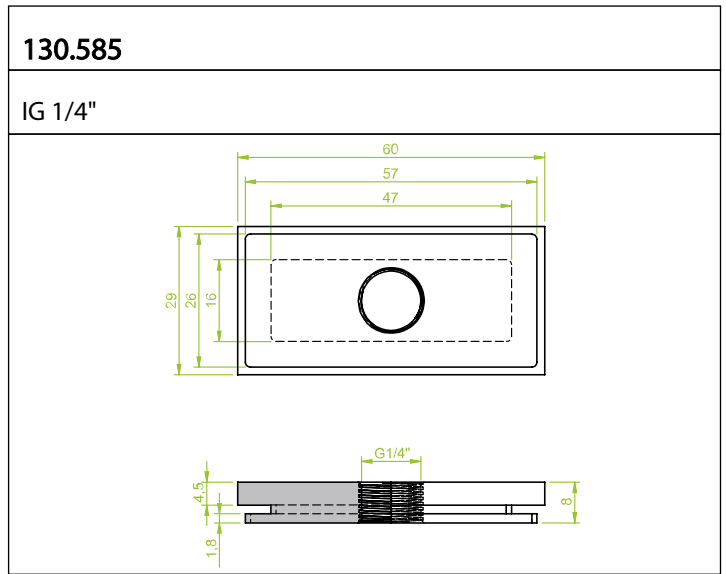
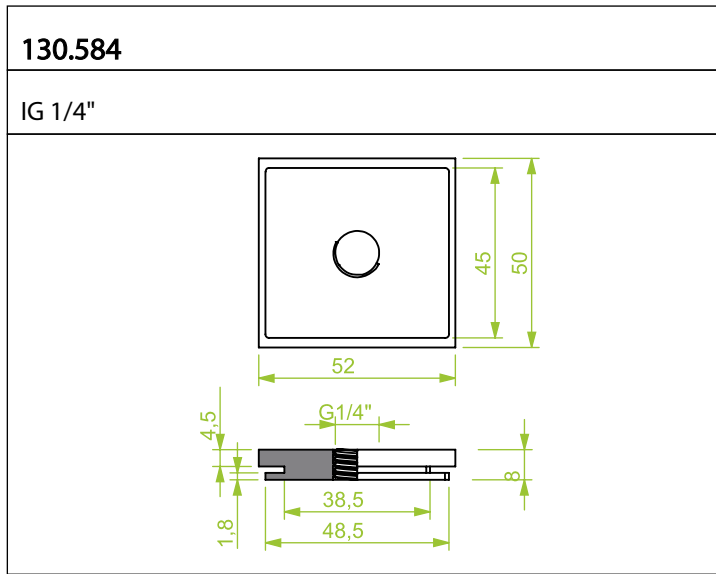
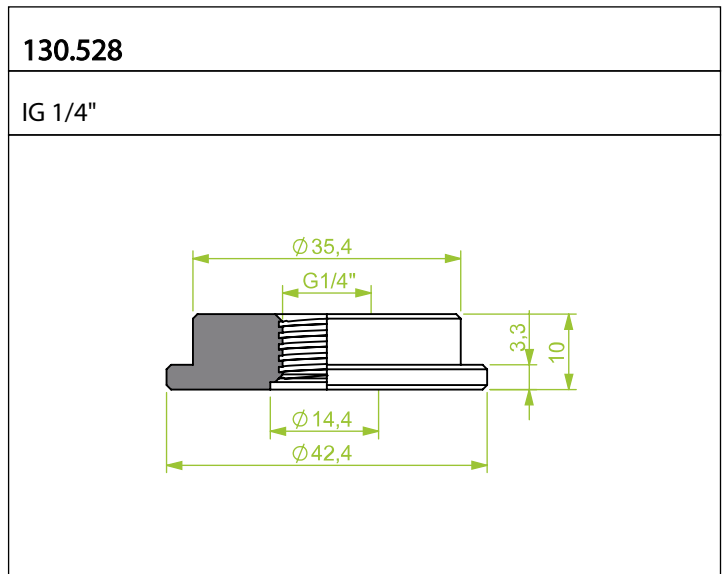
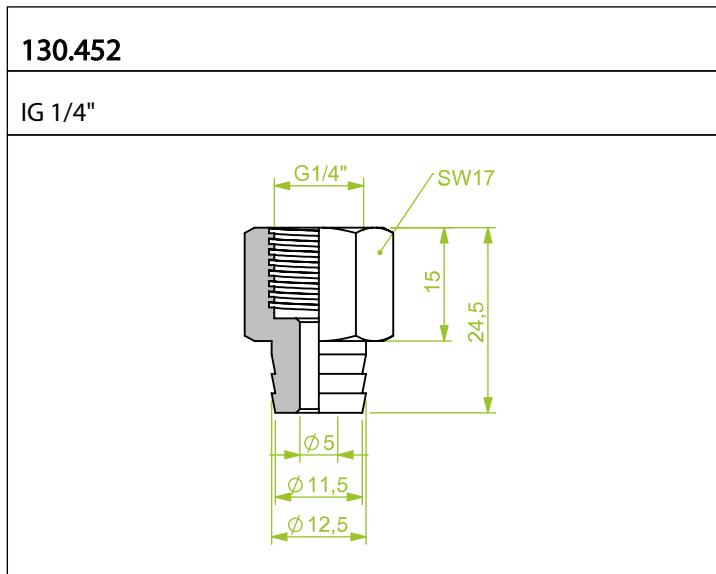
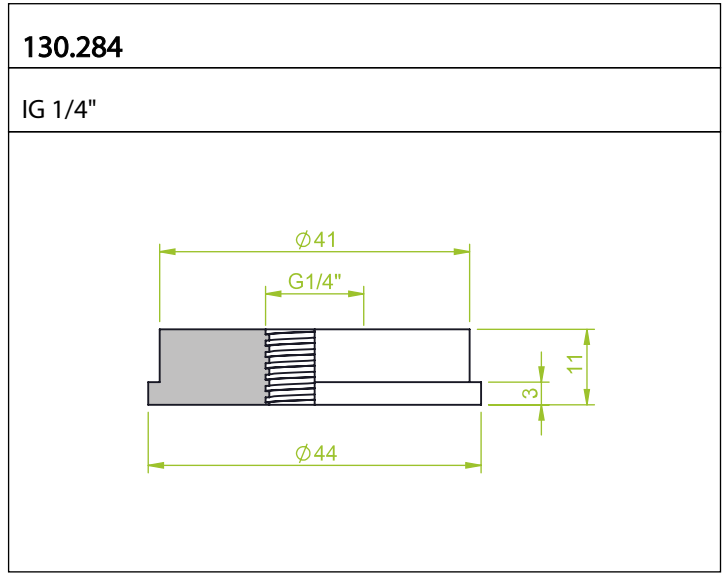
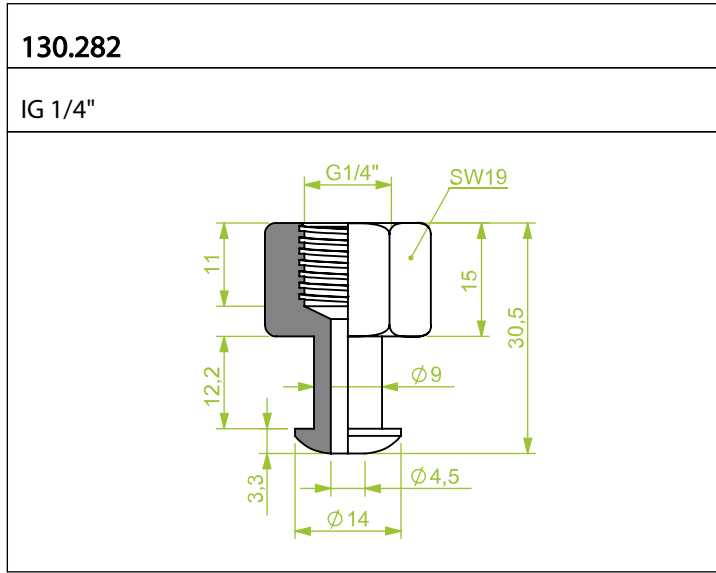
IG 1/4"



* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

Anschlußteile | *Fittings*

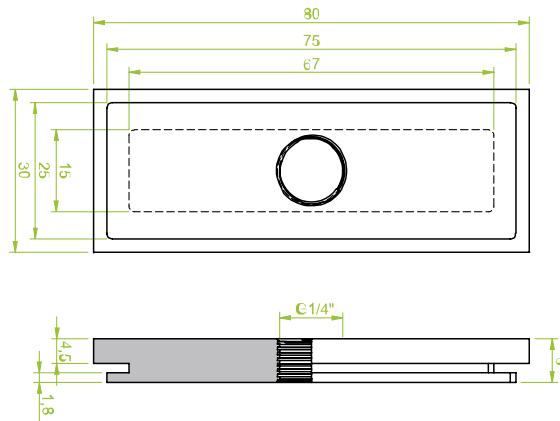


* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

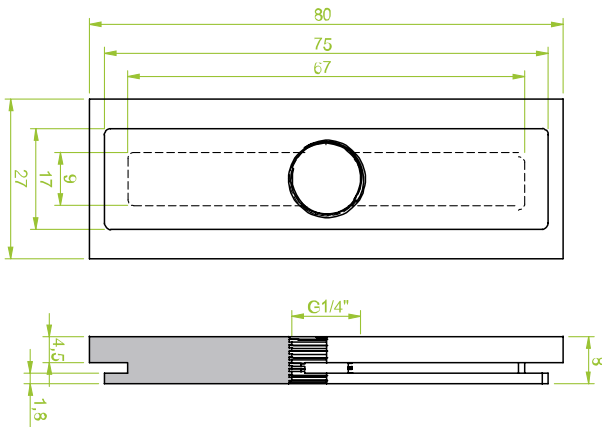
130.586

IG 1/4"



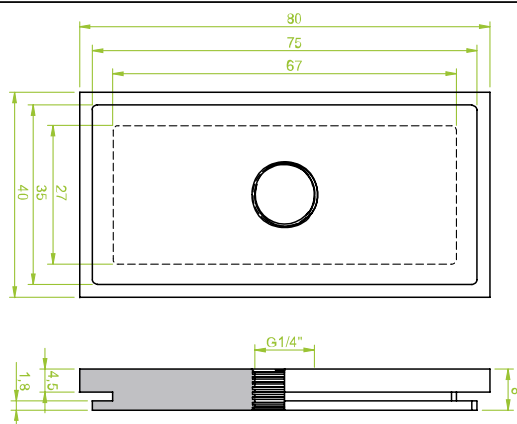
130.587

IG 1/4"



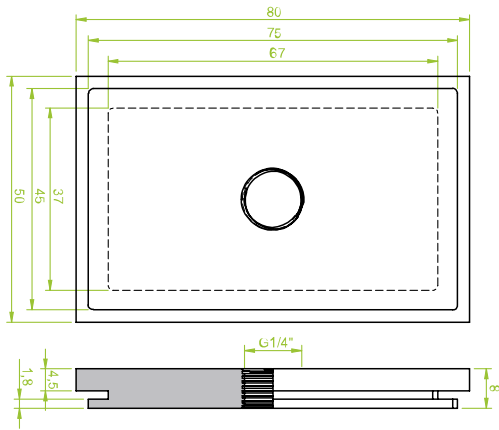
130.588

IG 1/4"

* **AG = Außengewinde | Male thread****IG = Innengewinde | Female thread**

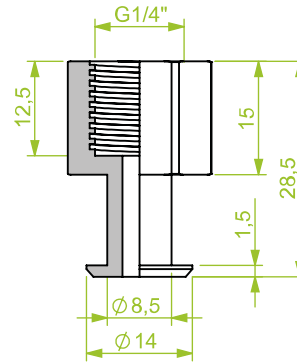
130.589

IG 1/4"



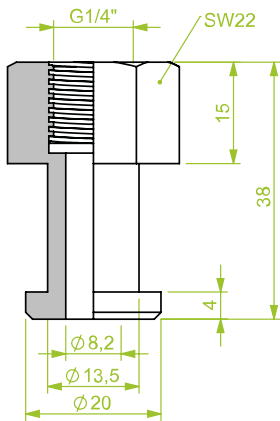
130.596

IG 1/4"



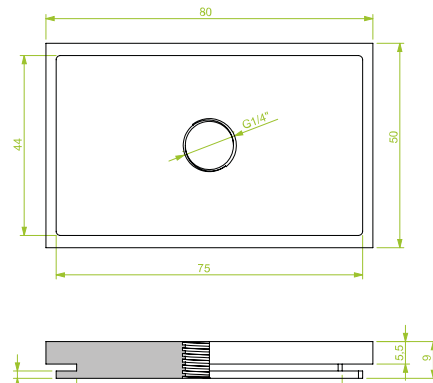
130.623

IG 1/4"



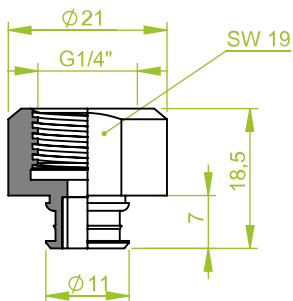
130.624

IG 1/4"



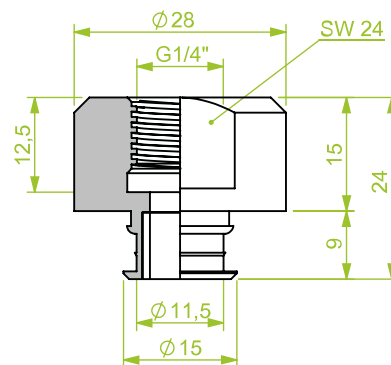
130.903

IG 1/4"



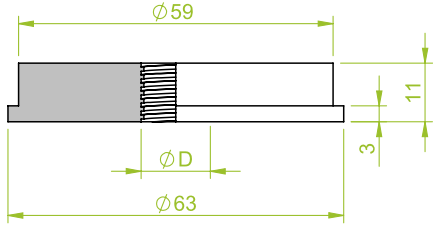
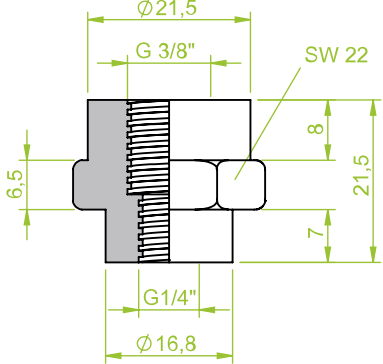
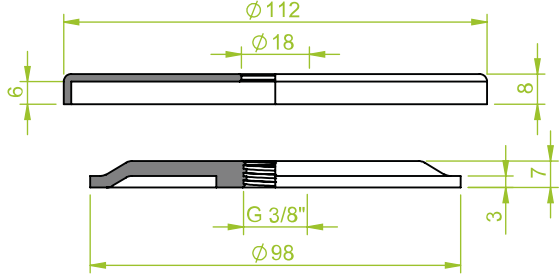
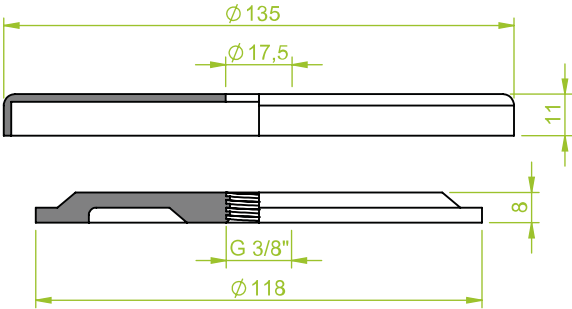
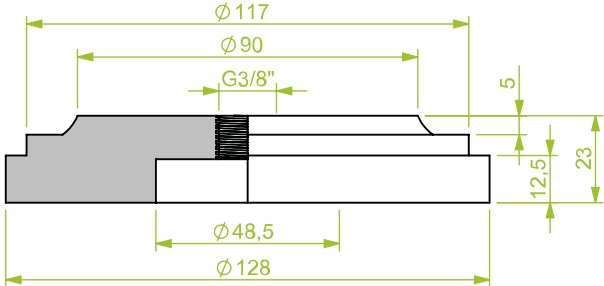
130.909

IG 1/4"



* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

139.264	130.161
IG 1/4"	IG 3/8"
	
130.228	130.402
IG 3/8"	IG 3/8"
	
130.404	130.595
IG 3/8"	IG 3/8"
	

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

Anschlußteile | *Fittings*

130.631

IG 3/8"

130.632

IG 3/8"

130.905

IG 3/8"

130.056

IG 1/2"

130.139

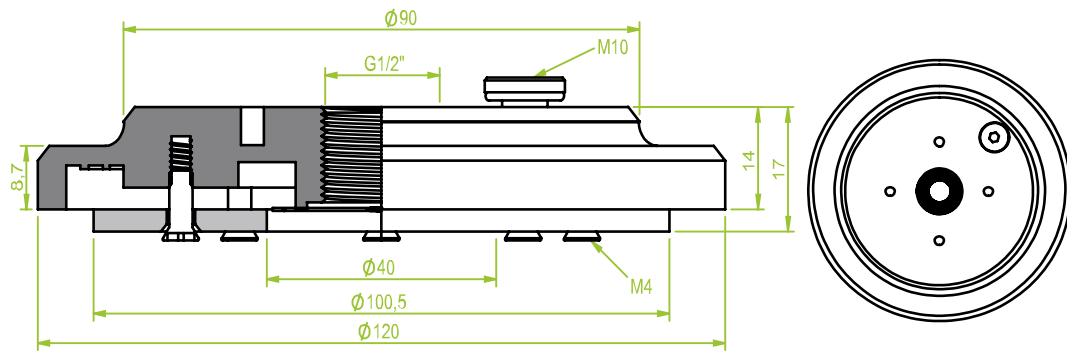
IG 1/2"

* **AG** = Außengewinde | Male thread

IG = Innengewinde | Female thread

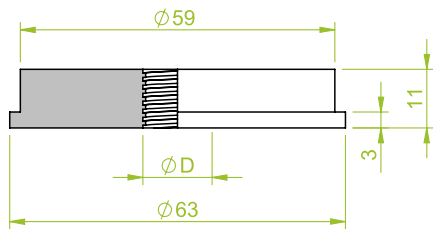
130.140

IG 1/2"



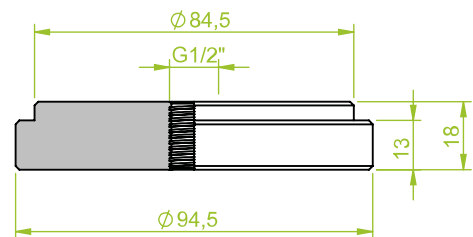
130.286

IG 1/2"



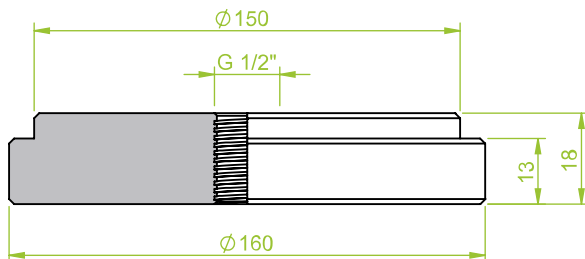
130.290

IG 1/2"



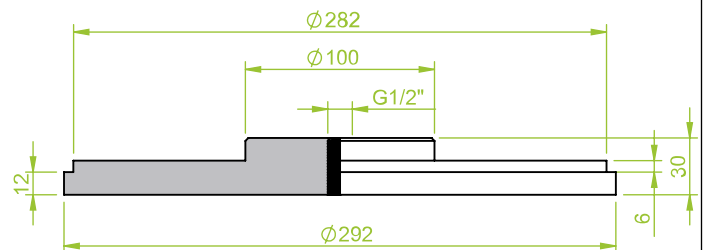
130.335

IG 1/2"



130.337

IG 1/2"

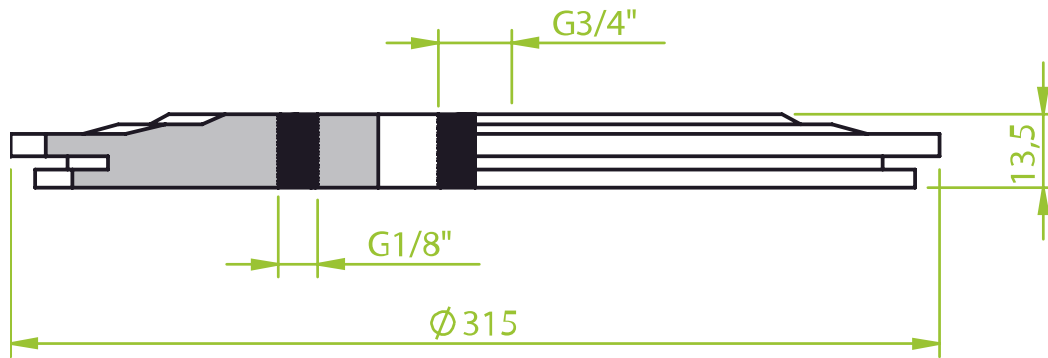


* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

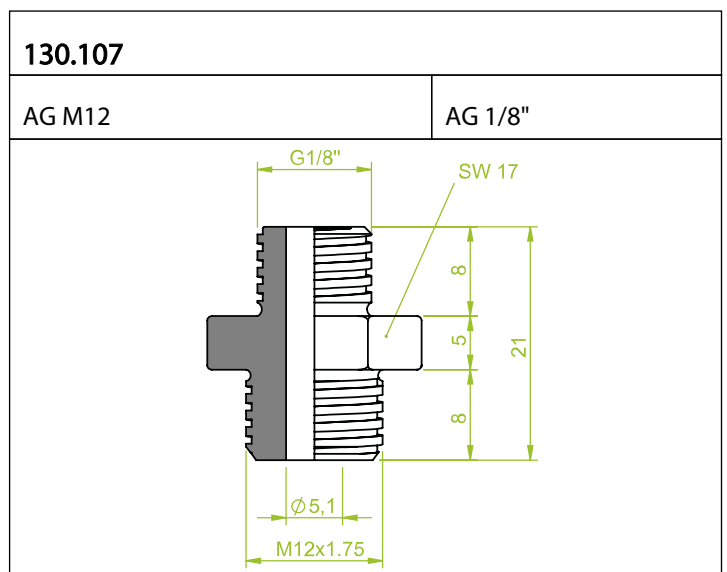
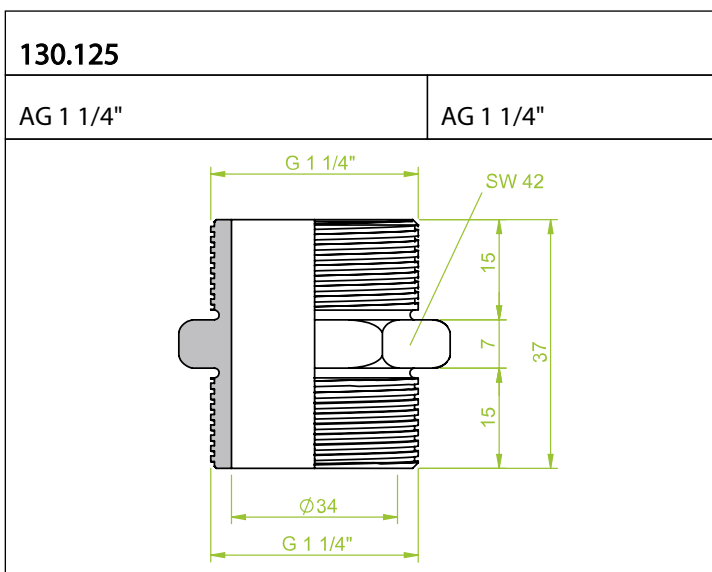
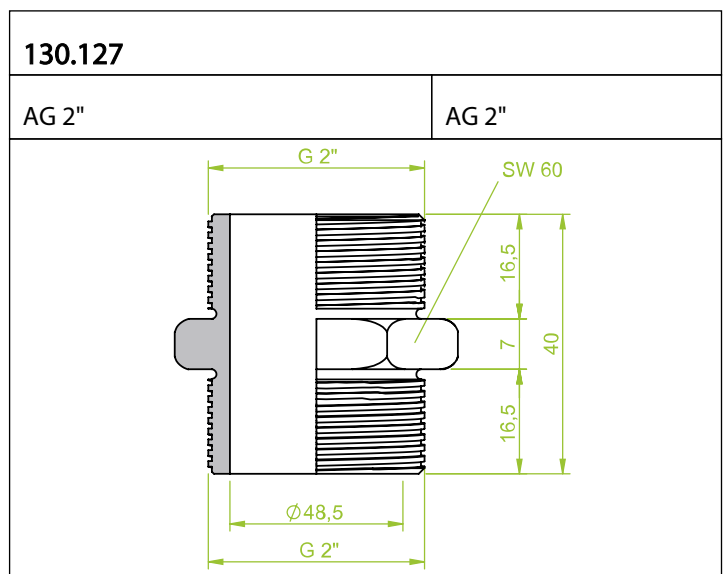
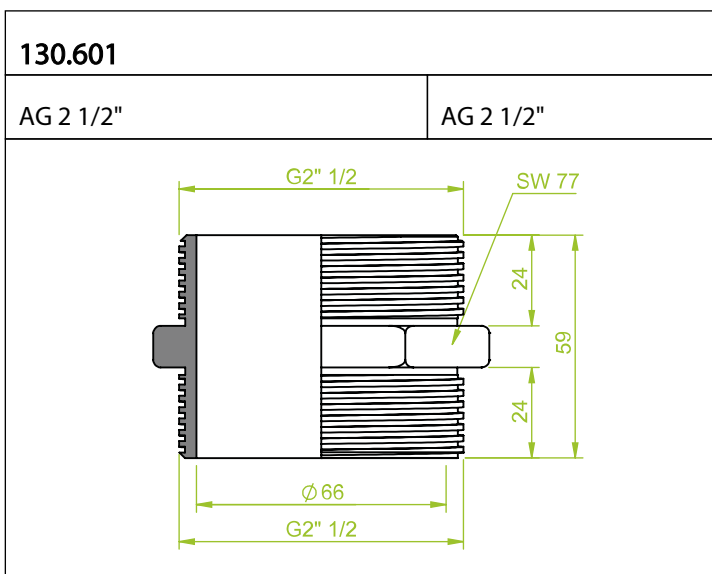
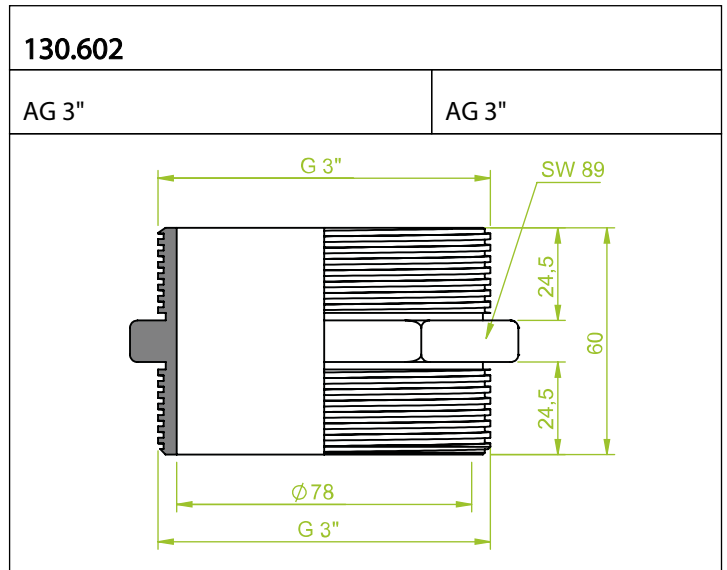
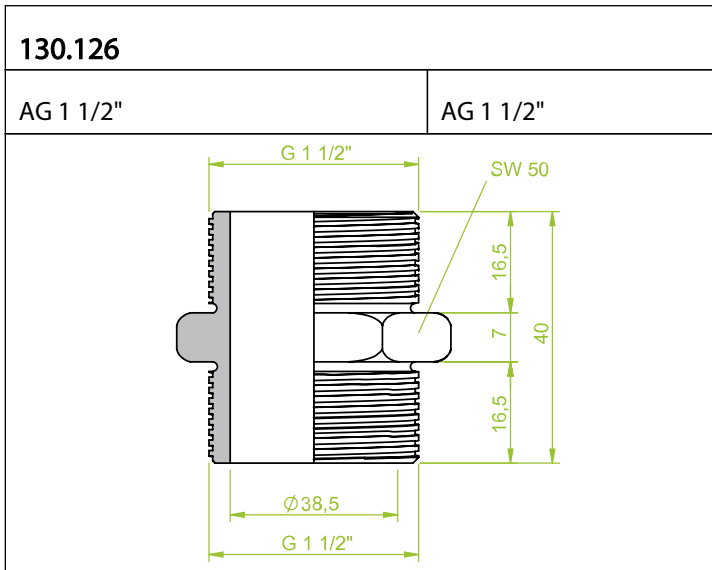
130.076

IG 3/4"



* **AG** = Außengewinde | Male thread

IG = Innengewinde | Female thread



* **AG** = Außengewinde | Male thread

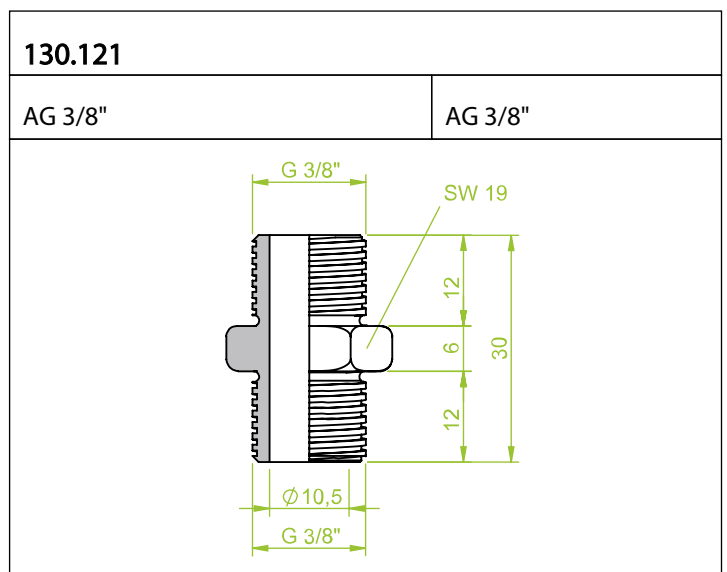
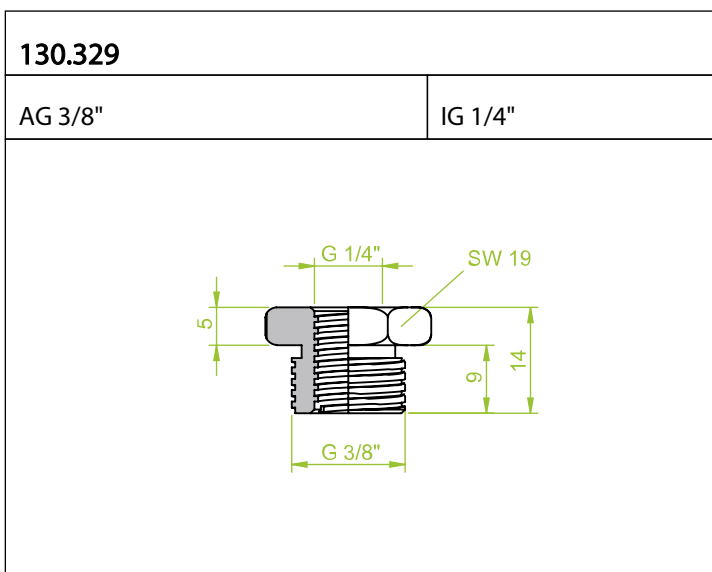
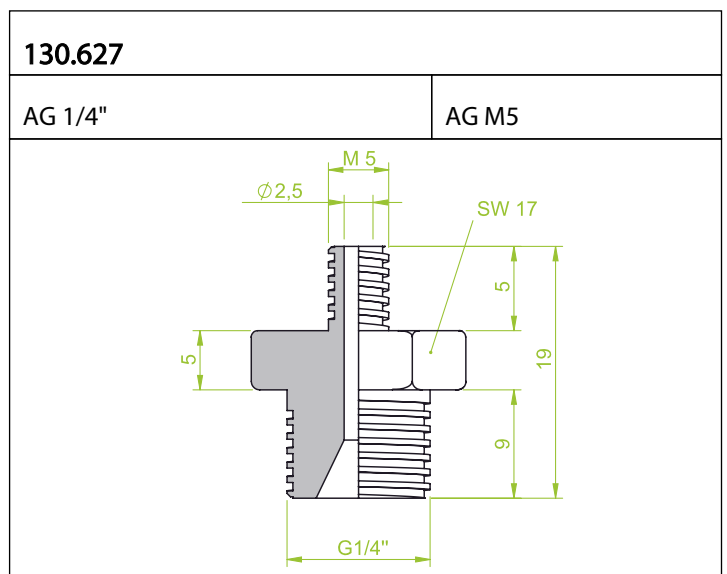
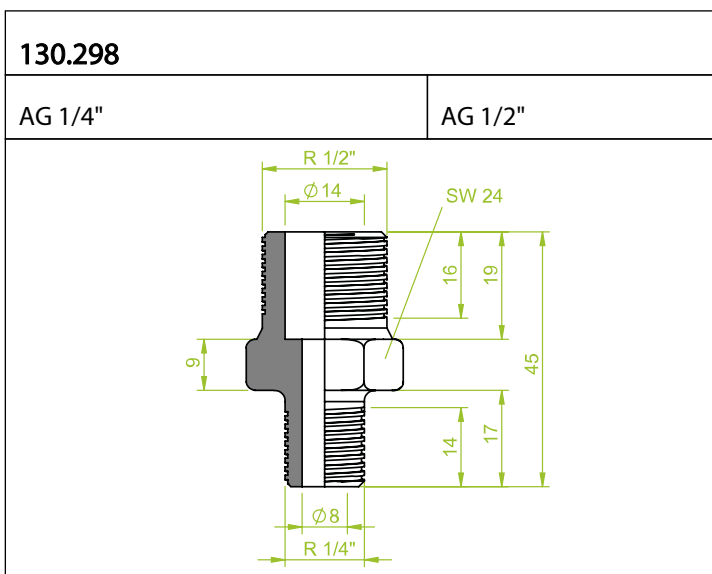
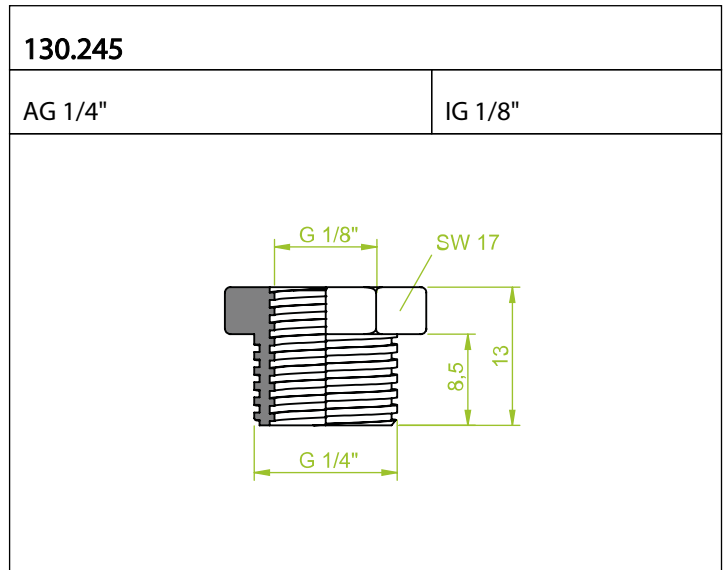
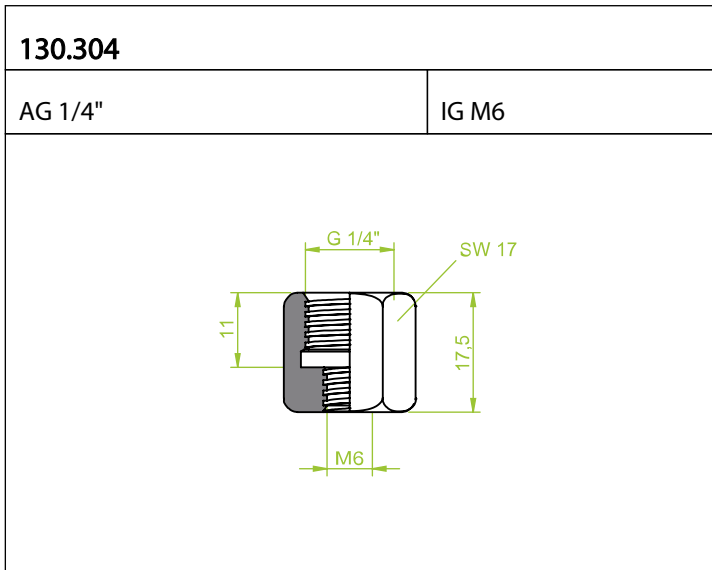
IG = Innengewinde | Female thread

Doppelnippel | *Double nipples*

130.108		130.303	
AG M12	AG 1/4"	AG 1/8"	IG M6
130.131		130.302	
AG 1/8"	AG M8	AG 1/8"	IG M5
130.590		130.191	
AG 1/8"	IG M5	AG 1/4"	AG 1/4"

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread



* AG = Außengewinde | Male thread

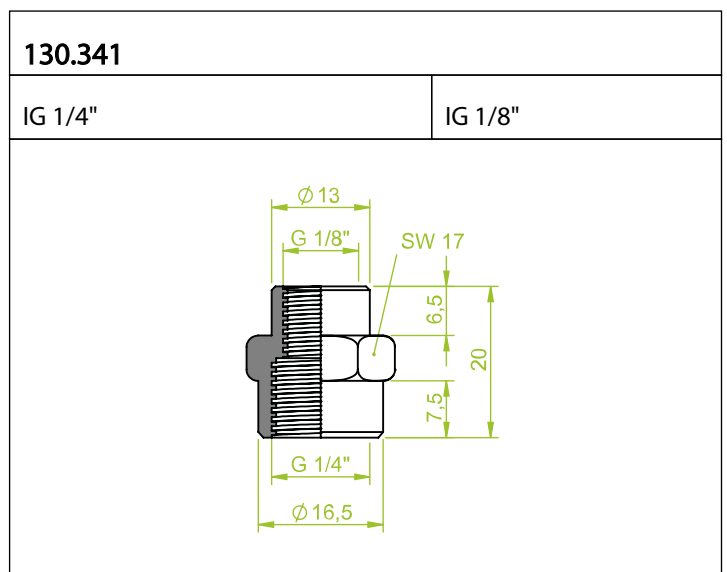
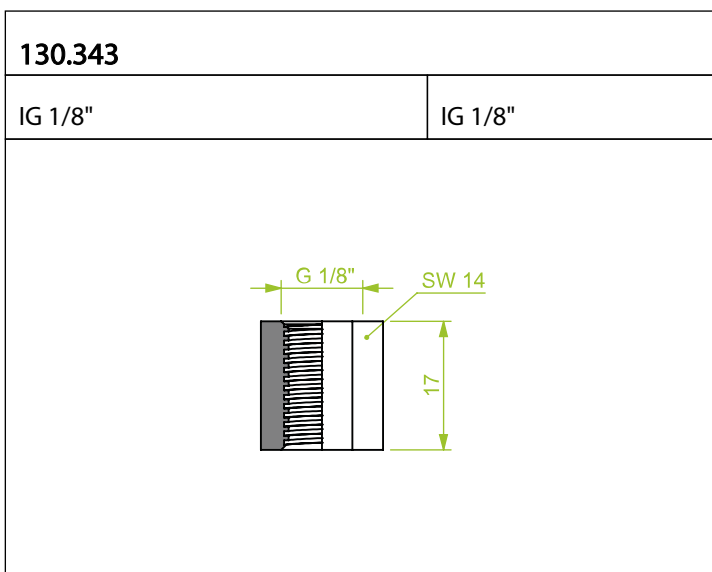
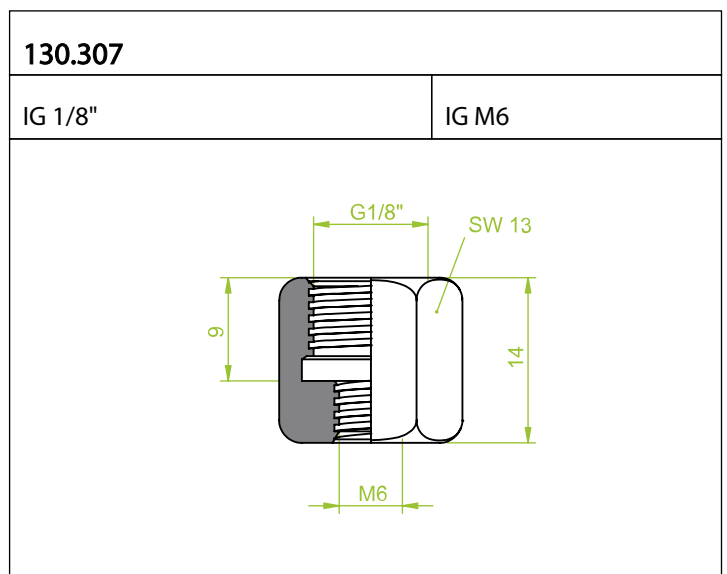
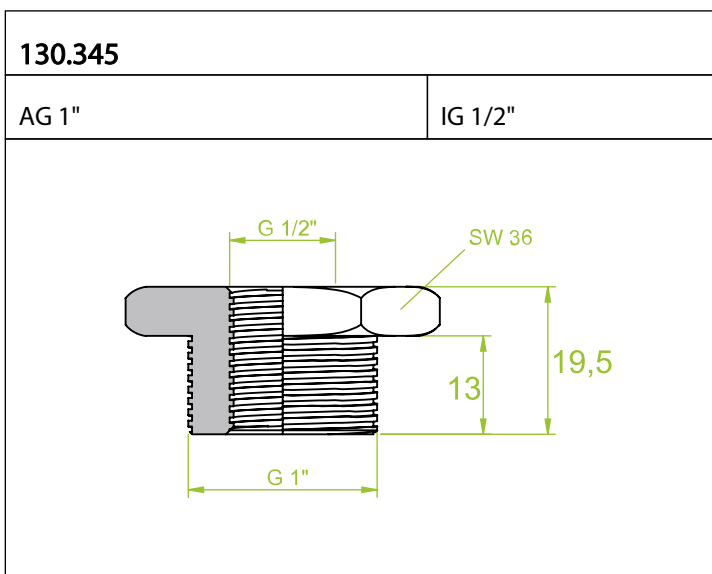
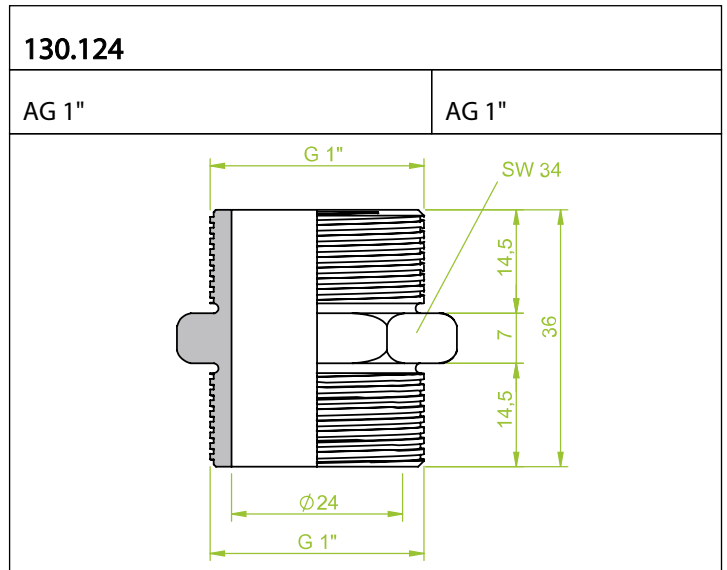
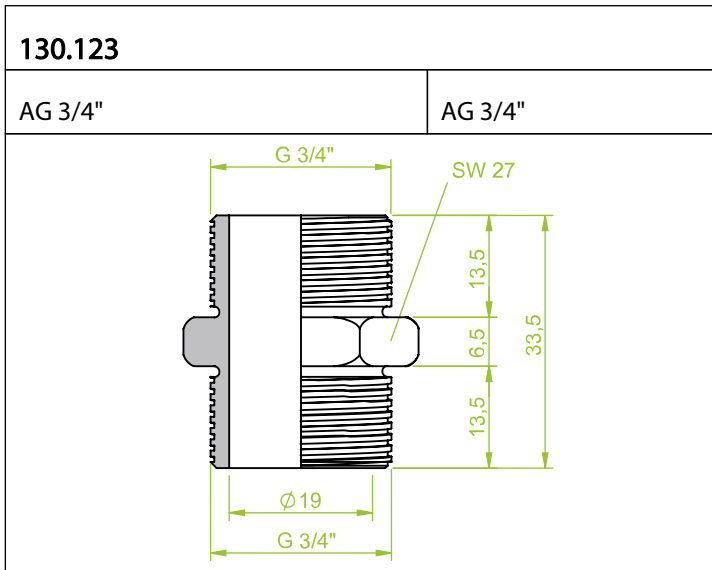
IG = Innengewinde | Female thread

Doppelnippel | Double nipples

130.323		130.299	
AG 1/2"	AG 3/8"	AG 1/2"	AG 3/8"
130.122		130.230	
AG 1/2"	AG 1/2"	AG 1/2"	IG 3/8"
130.297		130.102	
AG 1/2"	AG 1/4"	AG 3/4"	IG 3/8"

* AG = Außengewinde | Male thread

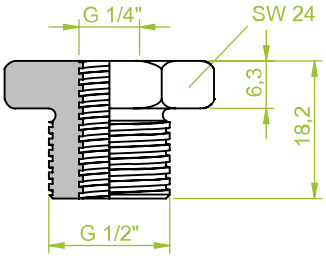
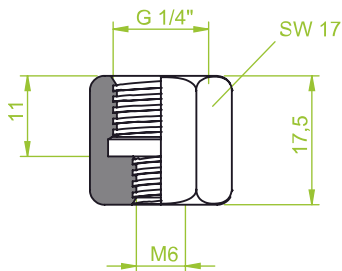
IG = Innengewinde | Female thread

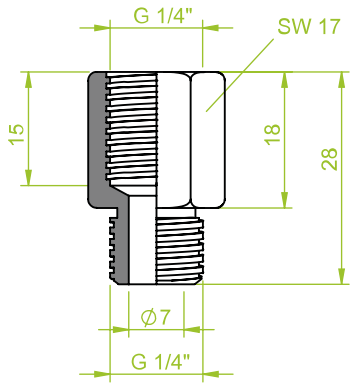


* **AG = Außengewinde | Male thread**

IG = Innengewinde | Female thread

Doppelnippel | *Double nipples*

130.229		130.308	
IG 1/4"	AG 1/2"	IG 1/4"	IG M6
			

130.078	
IG 1/4"	AG 1/4"
	

* AG = Außengewinde | Male thread

IG = Innengewinde | Female thread

10.001.108	90	10.008.611	100	10.015.114	111
10.001.109	90	10.008.630	101	10.015.139	111
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10.001.632	90	10.008.695	101	10.015.225	112
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