

*Convincing vacuum technology for automated production processes***MORALI**  
**VACTEC SYSTEMS**  
*Safe picking, lifting and placing*

*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, Vakuumbzubehör 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 Herrn 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

## 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

# 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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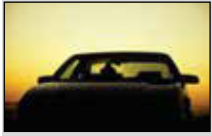


# Einsatz in folgenden Branchen

## *Application in following sectors*



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



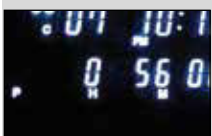
Automobil..... | *Automotive*.....



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*.....



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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-Trennmittel 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 Vakuumbreifern 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 Flachsugern 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



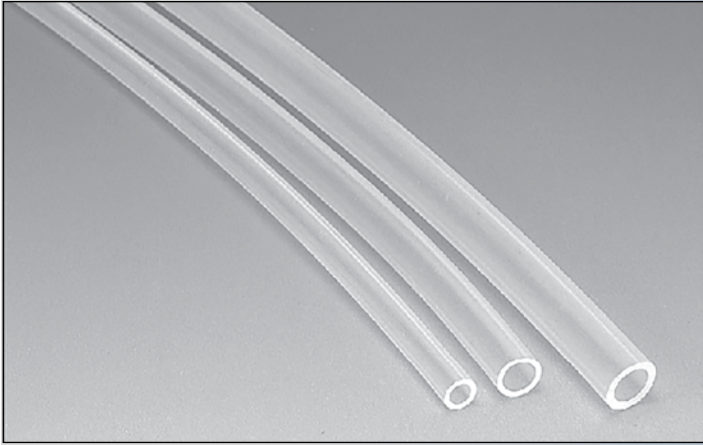
Bruchssichere Filter in 5 verschiedenen Baugrößen

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

*Unbreakable filters in 5 different sizes*

Almotion B.V. Nijverheidsweg 14 | 6662 NG Elst (Gld) | The Netherlands t +31 (0)85 0491 777 e info@almotion.nl

## Schläuche | Tubes

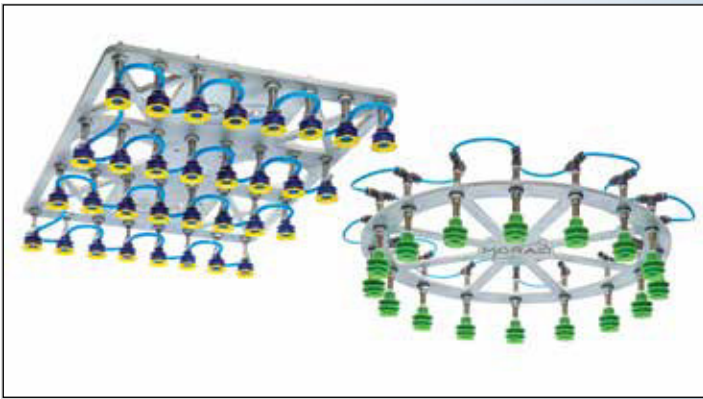


Flexible Vakuum- und Druckschläuche in verschiedenen Materialien und Durchmessern

- 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.*

- Simple 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

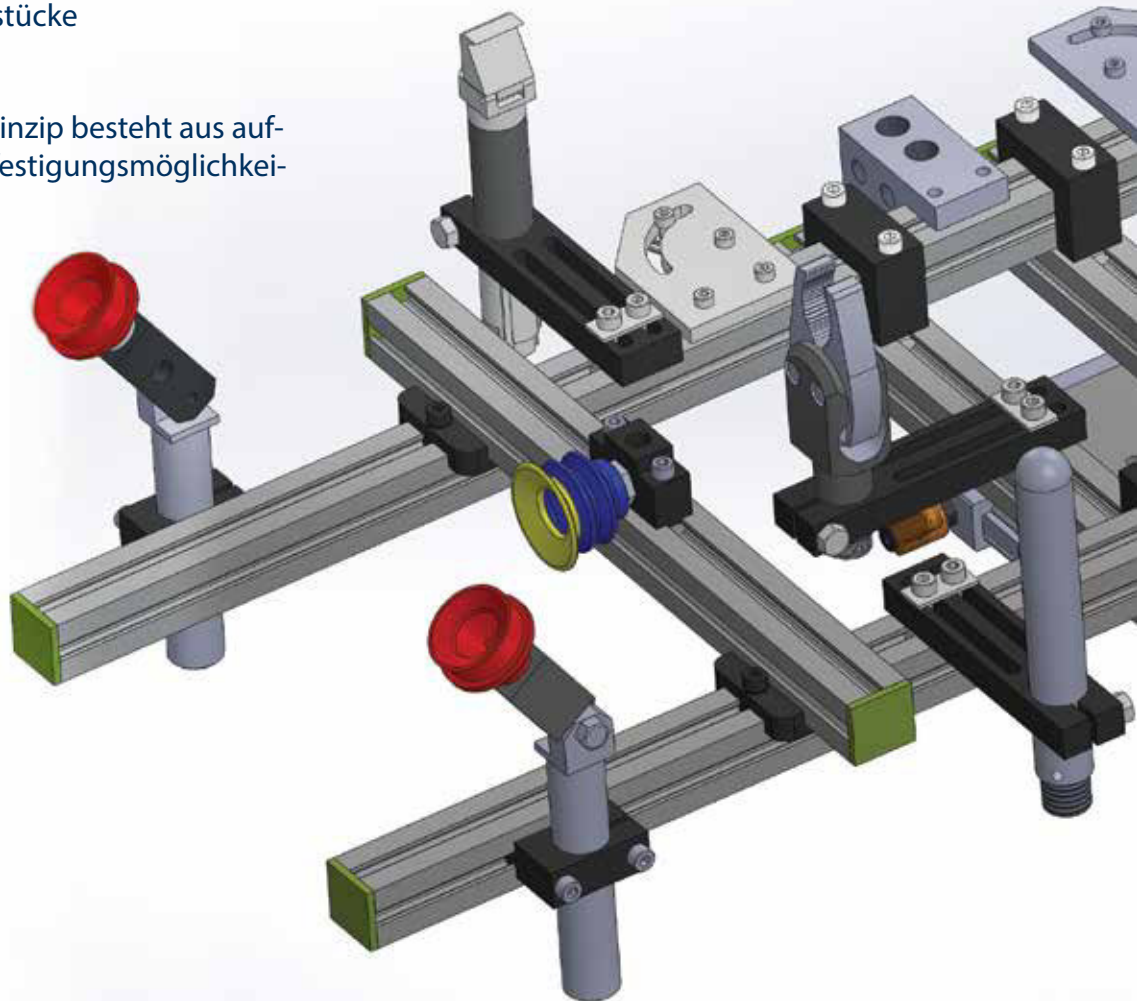
- Greifzangen und Greiffinger
- Schnellwechselsysteme
- Klemm- und Verbindungsstücke
- Aluminium-Profile.

Das modular aufbauende Prinzip besteht aus aufeinander abgestimmten Befestigungsmöglichkeiten

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](mailto:contact@morali-gmbh.de) oder [www.morali-gmbh.de](http://www.morali-gmbh.de)**



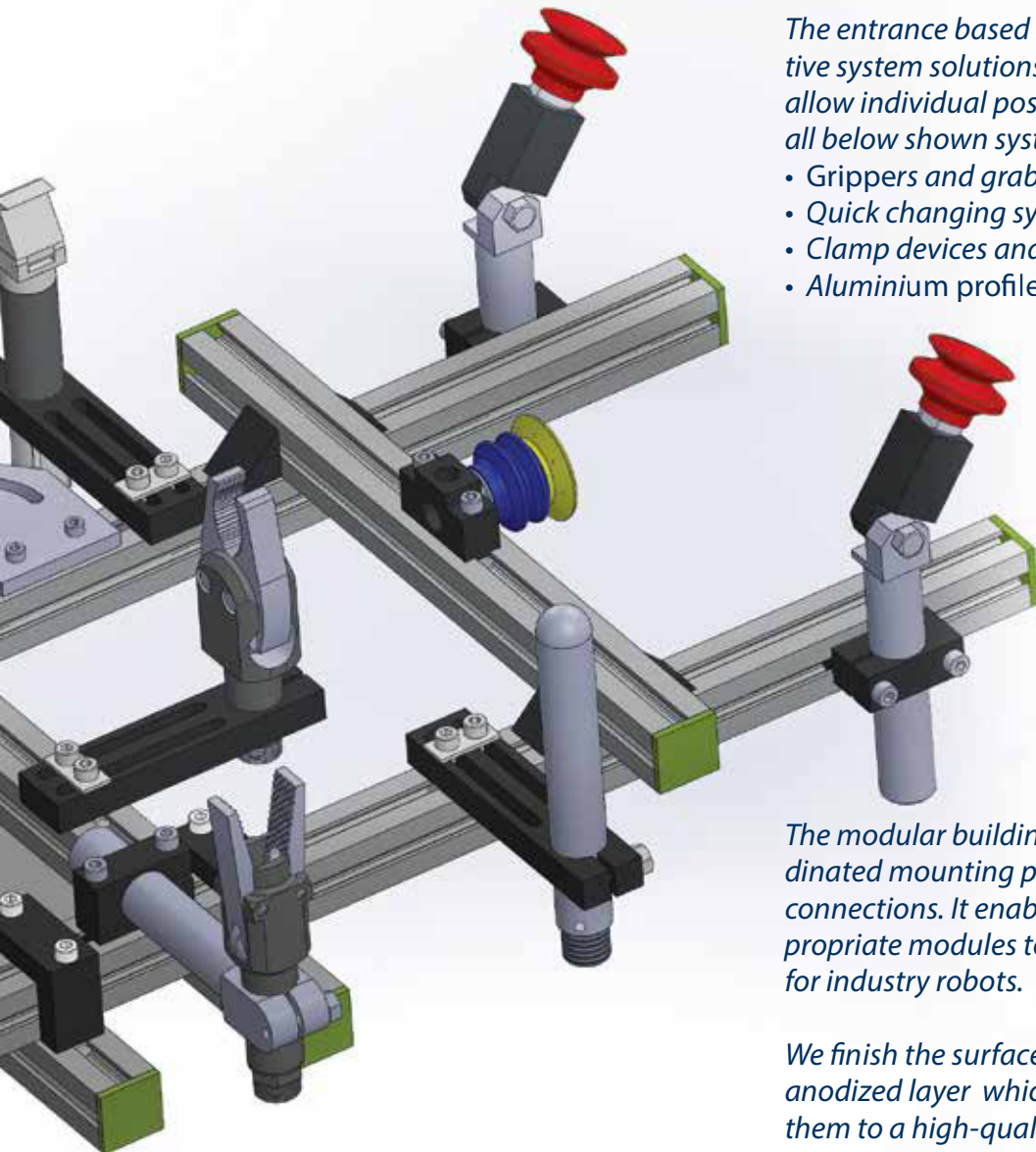
# Basis components for gripper systems at industrial robots

*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@moraligmbh.de](mailto:contact@moraligmbh.de) or [www.moraligmbh.de](http://www.moraligmbh.de)**

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[www.almotion.nl](http://www.almotion.nl) | [www.linearmotion.nl](http://www.linearmotion.nl) | [www.lineairegeleiding.nl](http://www.lineairegeleiding.nl)

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# Tabelle über Hebekraft

# Table of lifting force

Saugerhebekraft in Abhängigkeit von Vakuumhöhe 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:

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# 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

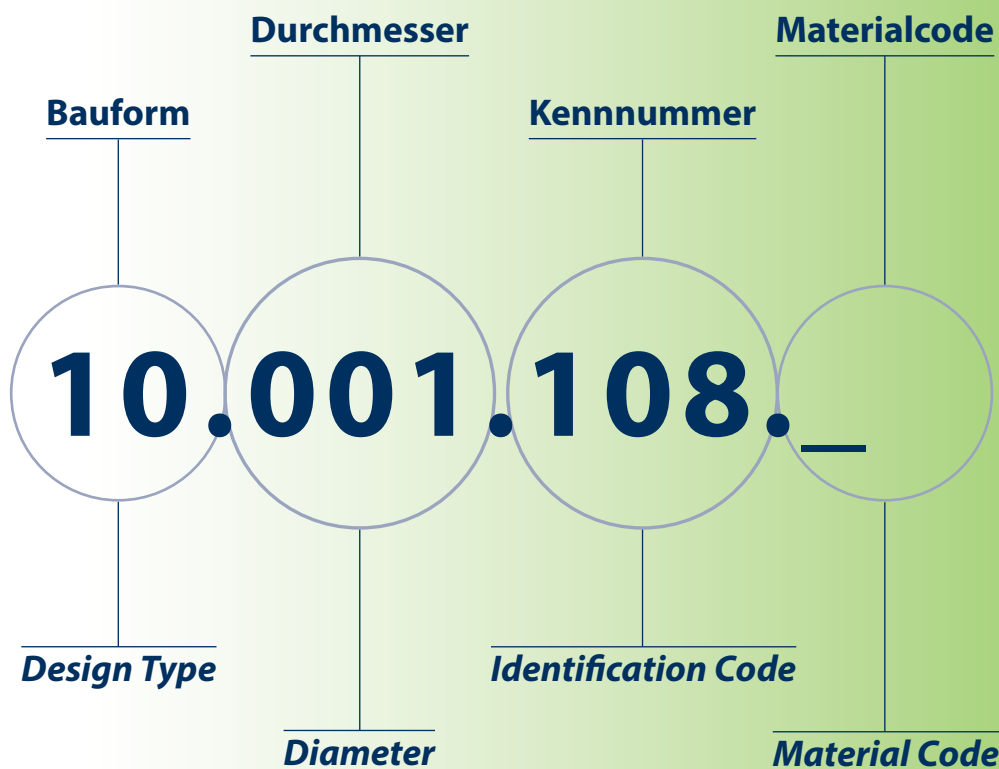
Für Fragen steht Ihnen die Technik gerne zur Verfügung.  
 Our technical department stands for any questions at your disposal.

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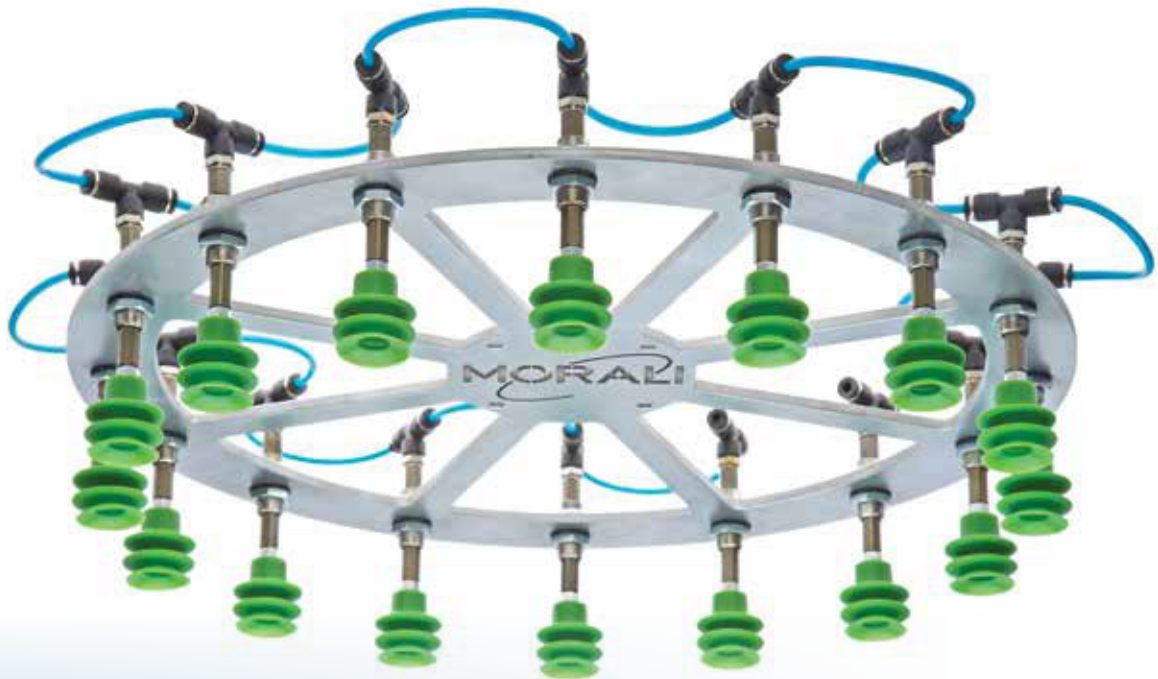
# Gliederung Art.Nr. Vakuum- sauger

## *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**

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# 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**

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# 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 their 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.

## 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

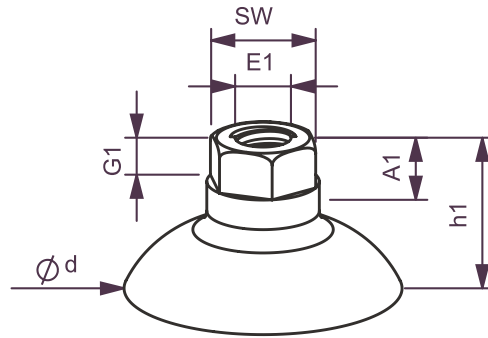
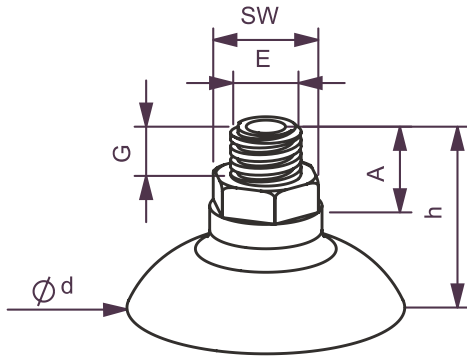


■ Technische Daten:

- 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.



**Ersatzsauger- austauschbar | Replacement cup- exchangeable**

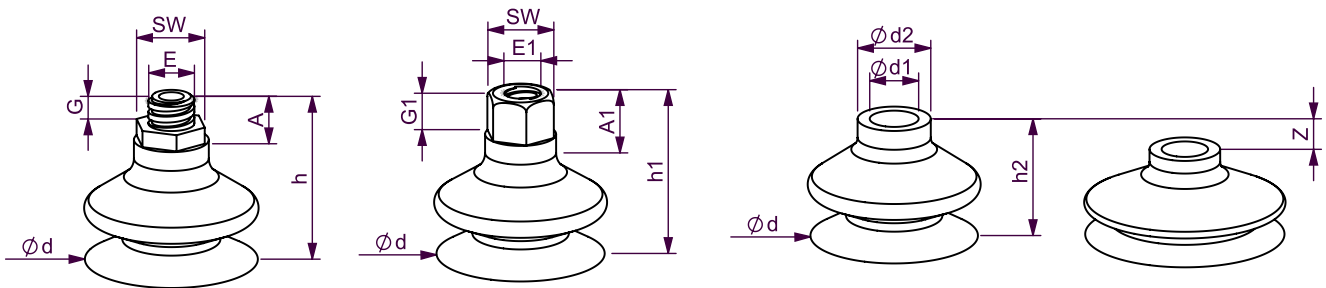


■ **Technische Daten:**

- 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

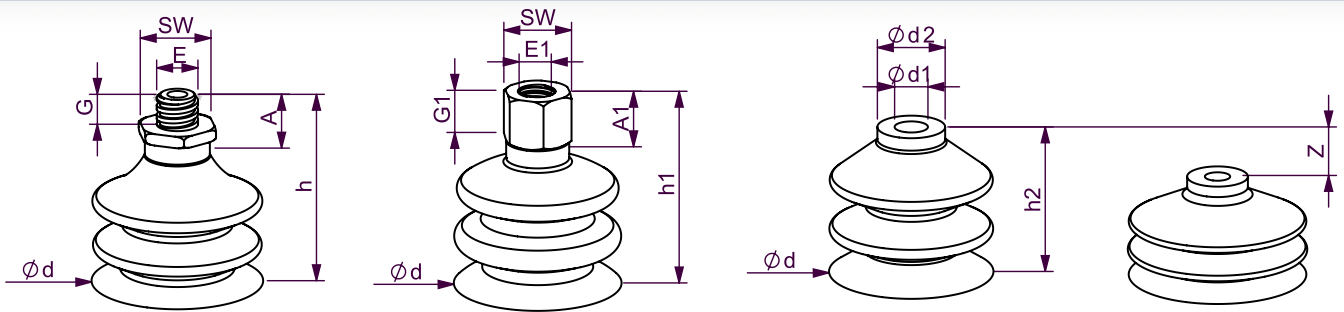


■ Technische Daten:

- 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.

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**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.*

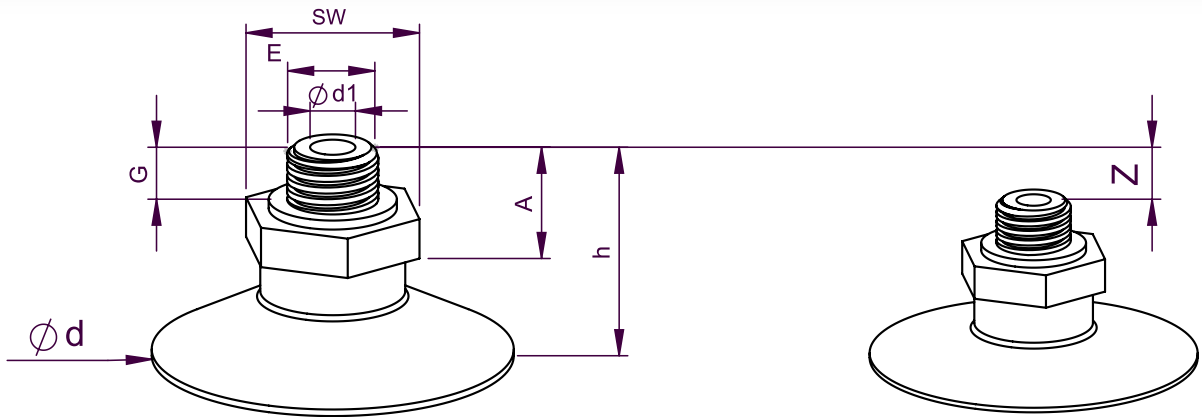


Flachsauger | Flat cups

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

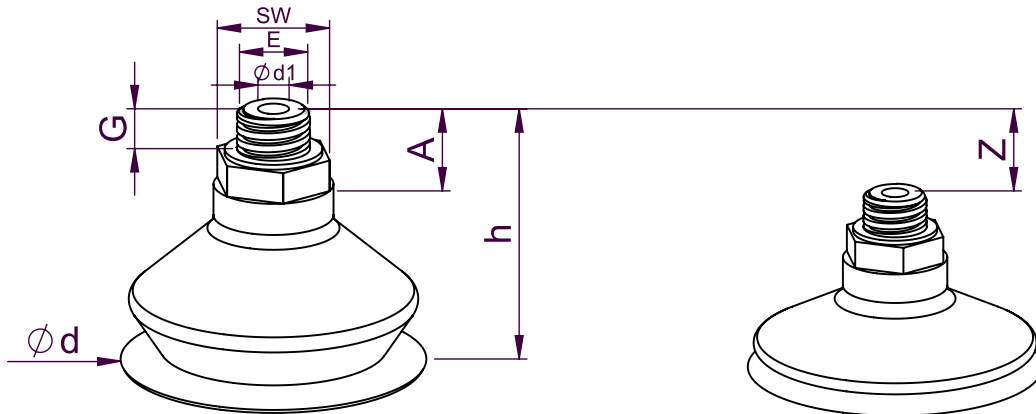
**AG = Außengewinde / male thread**  
 In den Standardmaterialien verfügbar, Sondermischungen auf Anfrage.  
 Available in the standard materials, special versions on request.

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 bellows.*



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



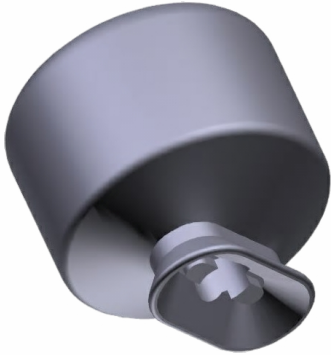
- - Typische Faltenbalgsauger z.B. für den Einsatz an Spritzgussmaschinen zur Teilentnahme. Sie passen sich sehr gut an stark gewölbte Flächen an und besitzen optimale Dämpfungseigenschaften.
- - *Typical vacuum cups, e.g., for the application of the part withdrawal of an injection molding machine. They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



## Ovalsauger | *Oval suction cups*

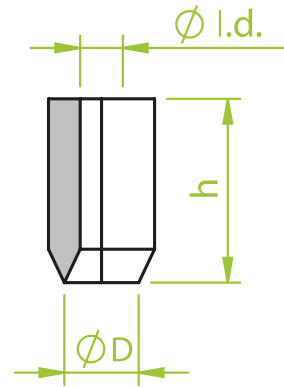
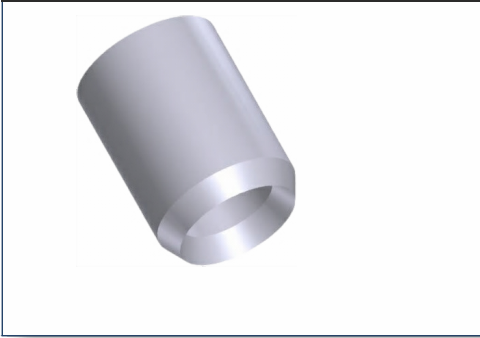
- Inklusive Anschlussstück, vulkanisiert - wahlweise mit Innen- oder Außengewinde
- *Incl. fitting, vulcanised - with female or male thread*

### Ovalsauger | *Oval suction cups*



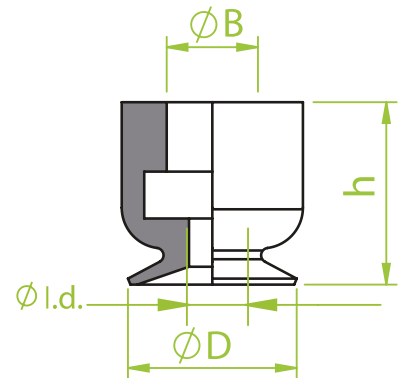
- - Besonders geeignet zur Handhabung von länglichen flachen, gewölbten, zylindrischen Produkten, z.B. Rohre, Profile, Tuben.
  - Diese Ovalsauger besitzen eine weiche Dichtlippe.
- - *Particularly suitable to the use of long, level, curved, cylindrical products, for example, pipe, profiles, tubes.*
  - *These oval cups own a soft thick lip.*

Zum Handling kleinster Produkte | For the handling of smallest products



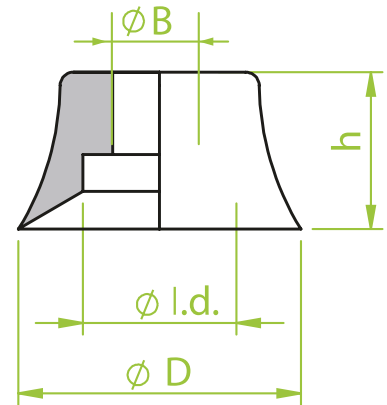
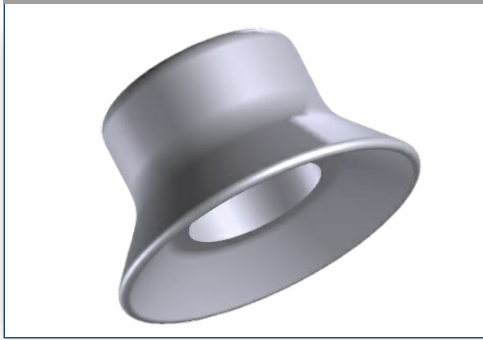
Art.	D	I.d.	h			Gewinde Thread
10.001.108._	1	0,8	1,6	0,1	130.026	M3 AG
10.001.109._	1,5	1,2	2,5	0,3	130.011	M3 AG

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



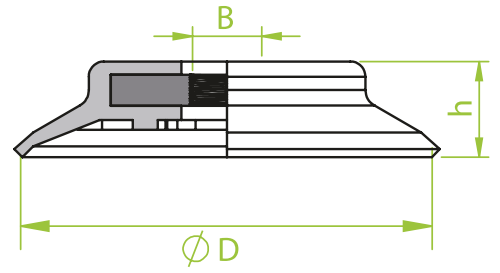
Art.	D	I.d.	h	B			Gewinde Thread
10.002.130._	2,5	1,2	4	2	0,4	130.014	M3 AG
10.003.040._	3,5	1	4	2	0,5	130.014 130.300	M3 AG M5 AG
10.005.131._	5	1,5	6,5	4	0,9	130.005 130.007 130.009 130.010 130.301	M5 IG 1/8" IG 1/8" AG M5 AG M5 AG
10.006.021._	6	2	6,5	4	1	130.005 130.007 130.009 130.010	M5 IG 1/8"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



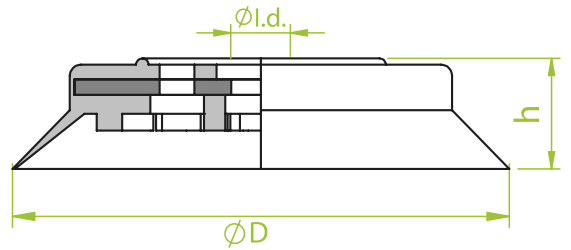
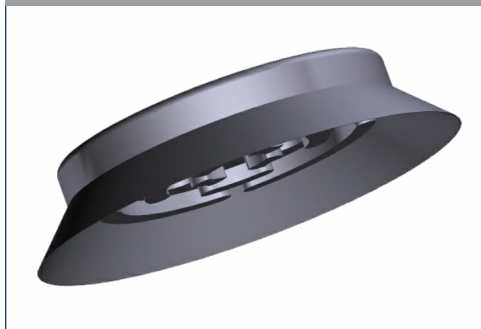
Art.	D	I.d.	h	B			Gewinde Thread
10.015.139._	16,3	7,9	8	4,5	2	130.005 130.010 130.021	M5 IG M5 AG 1/8" AG
10.020.019._	21	11	10	4,5	2	130.006 130.019 130.030 130.274 130.275	1/8" AG 1/8" IG 1/8" AG 1/4" AG 1/4" IG
10.025.141._	25	11	14	6	2,5	130.019 130.030 130.274 130.275 130.312	1/8" IG 1/8" AG 1/4" 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

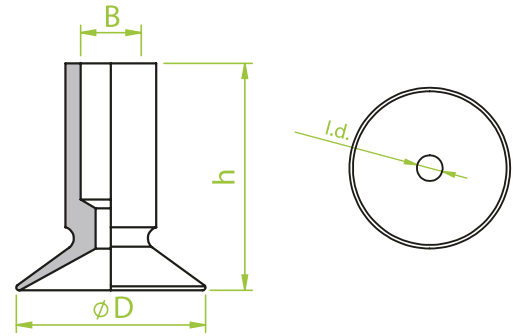
Flachsauger mit Metallkernverstärkung | Flat cups with metal core reinforcement



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

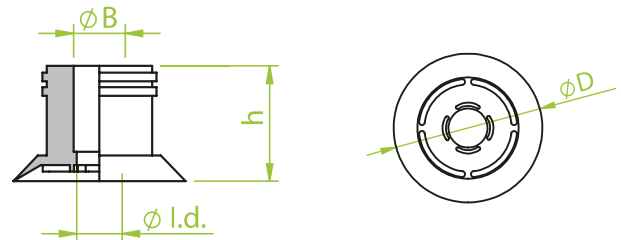
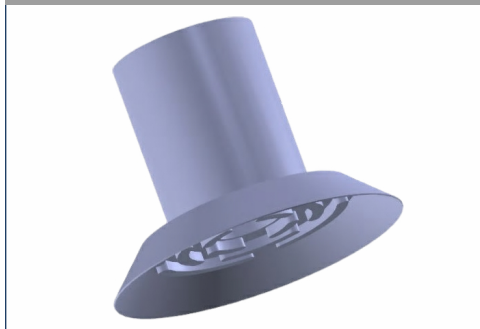


Flachsauger mit langem Schaft | Flat cups with long shaft



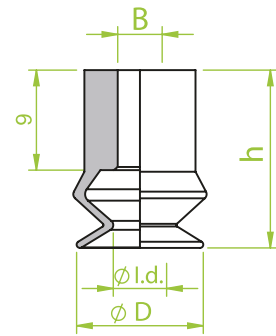
Art.	D	I.d.	h	B			Gewinde Thread
10.006.150._	6,5	1	12	2	2	-	-
10.010.191._	10	2	12	3	1	-	-
10.016.243._	16	3	20	5	5	130.013 130.023 130.109 130.194 130.238	M5 AG M5 AG 1/8" IG 1/4" AG 1/8" AG
10.025.350._	25	4	30	8	5	130.043 130.114	1/4" AG 1/8" IG
10.040.357._	40	4,4	40	11	4	130.049	1/4" AG
10.068.520._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

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



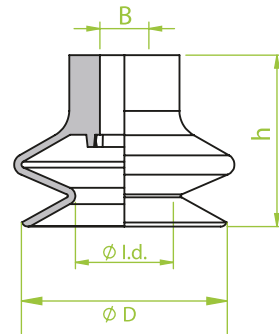
Art.	D	I.d.	h	B			Gewinde Thread
10.015.031._	15	3,5	10	4	1	-	-
10.020.613._	20,5	4	10,4	4,5	2	-	-
10.026.032._	25,7	4	11	4	1	130.003 130.013 130.033 130.087	1/8" AG M5 AG 1/8" AG 1/8" AG
10.030.102._	30,7	6	23,2	11	3	130.609	1/4" AG
10.034.397._	34	6	20	6	3	130.274 130.275	1/4" AG 1/4" IG
10.040.101._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



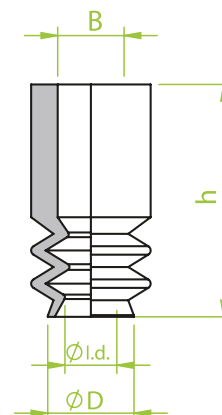
Art.	D	I.d.	h	B			Gewinde Thread
210.011.141._	11,4	4,8	16	4	4,5	130.003 130.013 130.015 130.103	1/8" AG M5 AG 1/8" IG M6 AG
210.013.201._	13	4,8	15	3,8	4	130.087 130.317	1/8" AG M5 AG
210.016.009._	16	8,6	19	3,7	6	130.003 130.015 130.104 130.134	1/8" AG 1/8" IG M6 AG M5 AG
210.019.155._	19,5	10	15,5	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



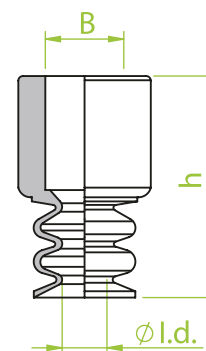
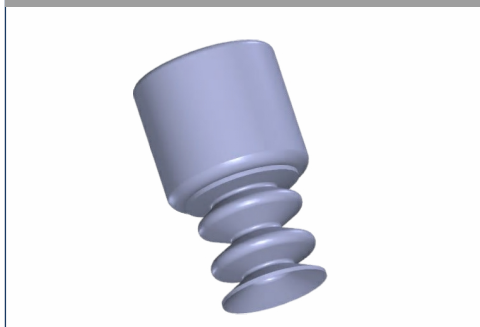
AG	D	l.d.	h	B			Gewinde Thread
210.033.022._	33	16	28	8	12	130.114	G1/8" IG
210.043.005._	43	21,2	28	8	12	130.132	G1/8" AG
210.053.017._	53	33	34	8	11	130.190	G1/4" AG
						130.192	G1/4" IG
210.078.131._	78	53	47	12	14	130.622	G1/4" AG
						130.623	G1/4" IG

**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

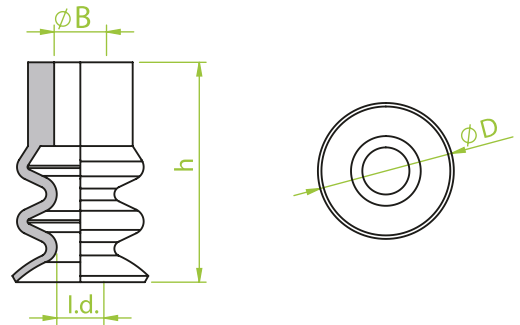
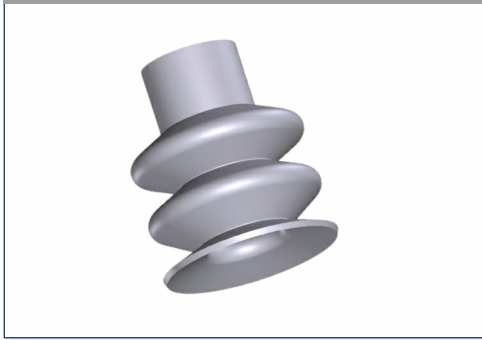
**Kleine Balgensauger mit flexibler Dichtlippe | Small bellows cups with flexible sealing-lip**





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

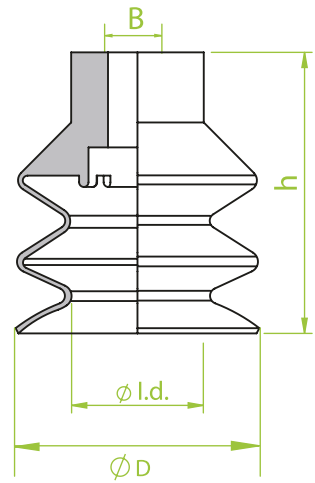
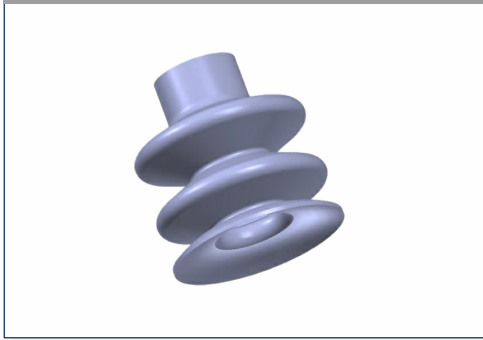


Sehr flexible Balgensauger | Very flexible bellows cups



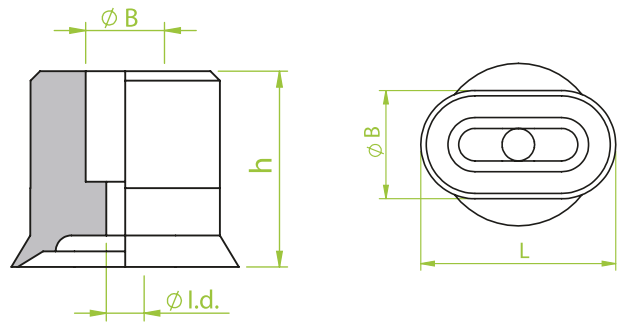
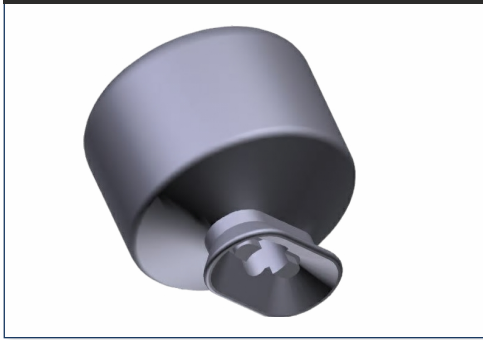
Art.	D	I.d.	h	B			Gewinde Thread
220.012.108._	12	5	21	3,8	7	130.013 130.194 130.238	M5 AG 1/4" AG 1/8" AG
220.014.009._	14	5	22	4	12	130.003 130.013 130.015 130.103	1/8" AG M5 AG 1/8" IG M6 AG
220.018.063._	18,5	7,8	22	4,5	8	130.003 130.013 130.015 130.103 130.194 130.275	1/8" AG M5 AG 1/8" IG M6 AG 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



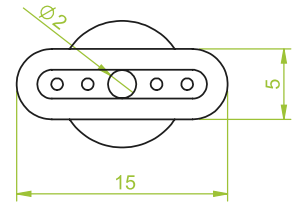
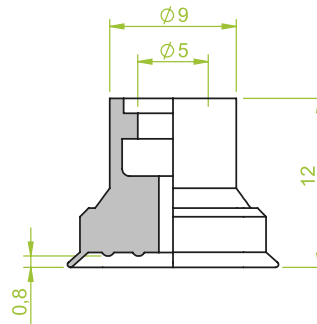
Art.	D	l.d.	h	B			Gewinde Thread
220.032.003._	32	16	37,5	8	13	130.114	1/8" IG
						130.132	1/8" AG
						130.190	1/4" AG
						130.192	1/4" IG
						130.315	M6 AG
220.043.004._	42	16	45	8	19	130.114	1/8" IG
						130.132	1/8" AG
						130.190	1/4" AG
						130.192	1/4" IG
220.062.035._	62,2	29	55	8,5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

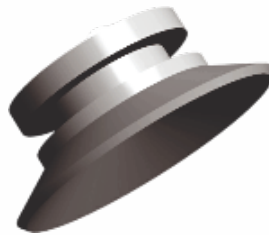
- Besonders geeignet für flache Objekte wie Kartonagen, Bleche, Glas, Elektronik- und Halbleiterprodukte.
- Die Sauger verfügen über eine hohe Saugkraft und sind bei Verschleiß leicht auszutauschen.

■ **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*

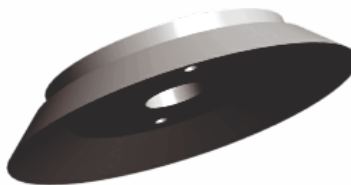
- Durchmesser: 22 bis 52 mm
- Für ebene oder leicht gewölbte Flächen
- Diameter: 22 to 52 mm
- For plane and easily curved surfaces

**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 griffin 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*



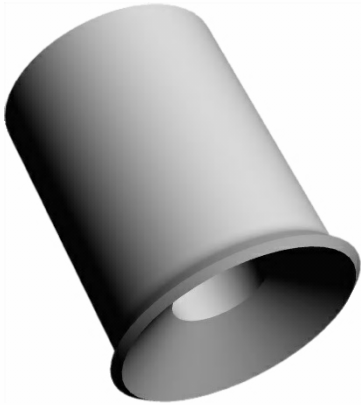
- Durchmesser: 75 bis 150 mm
- 1,5 Falten
- Für größere Lasten
- Highlights
- Highlights: Ø 85 mm vulkanisiert
- Highlightsgewölbter Teile und gleicht Höhenunterschiede aus.

**Mehrfaltensauger**  
*Multi-bellows cups*

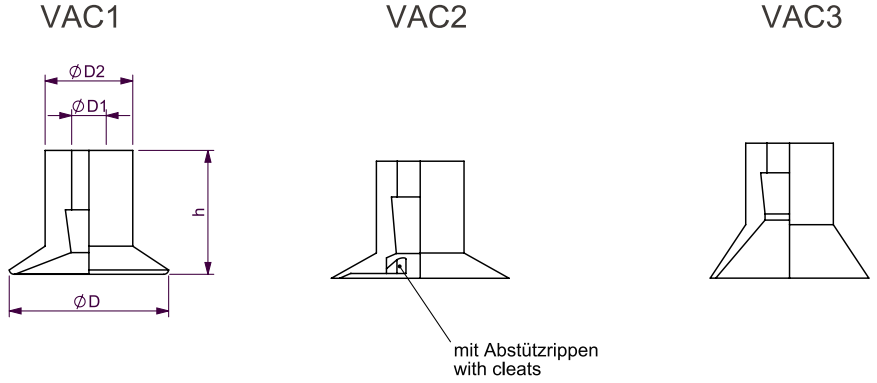


- Durchmesser: 20 bis 50 mm
- 4,5 Falten
- Für großen Hubausgleich
- Diameter: 20 to 50 mm
- 4,5 folds
- For big travel balances

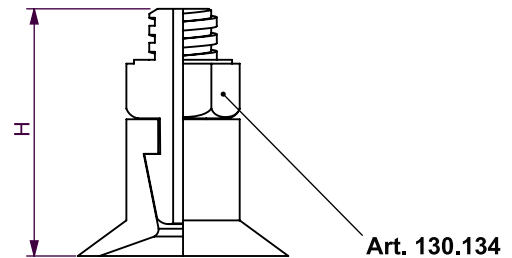
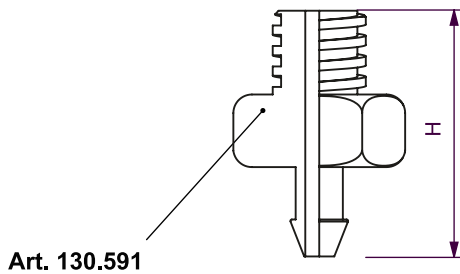
Flachsauger mit langem Schaft | Flat cups with long shaft



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

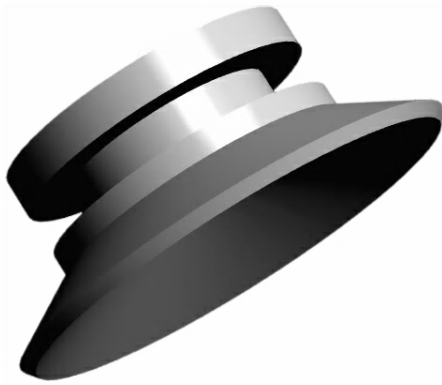


VAC	Art.				D	D1	D2	h	H	Komplett mit Anschlussstück Complete with fitting
VAC-1	10.005.034_	130.591	0,5	0,1	5	2	4,5	6	14,4	12.005.040_
VAC-1	10.007.035_	130.591	1	1,1	7	2	5	6,5	15	12.007.041_
VAC-1	10.009.020_	130.591	1,5	1	9	2	5	6,5	15	12.009.042_
VAC-1	10.011.036_	130.134	1	0,3	11	3,8	9	10,5	19,5	12.011.043_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

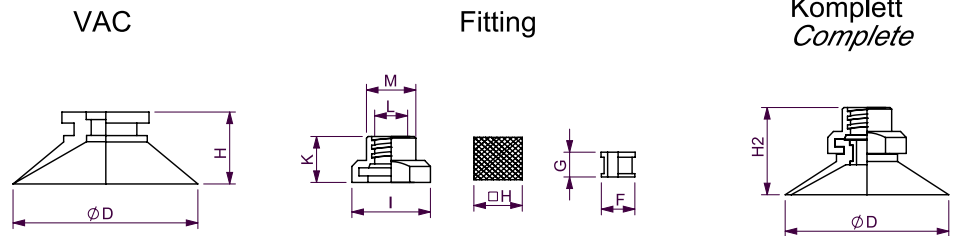




**Flachsauger - einfache Ausführung | Flat cups - basic design**



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

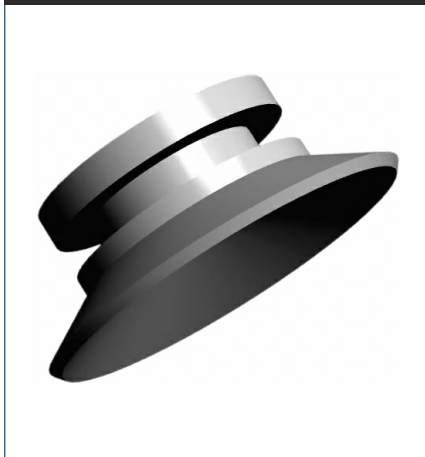


VAC Art.				Haltering Reinforcement ring	Komplett mit Anschlussstück Complete with fitting
10.022.120._	130.250	2,5	1	HR.011	11.022.020._
10.032.121._	130.250	4,5	1	HR.011	11.032.021._
10.042.122._	130.251	5	5	HR.012	11.042.022._
10.052.123._	130.252	6,5	11	HR.013	11.052.023._

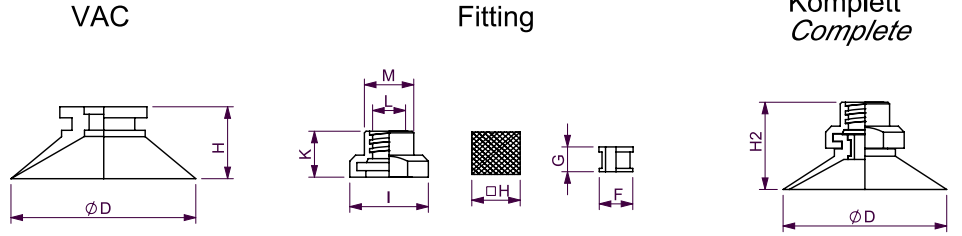
Abmessungen in mm  
Dimensions in mm

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

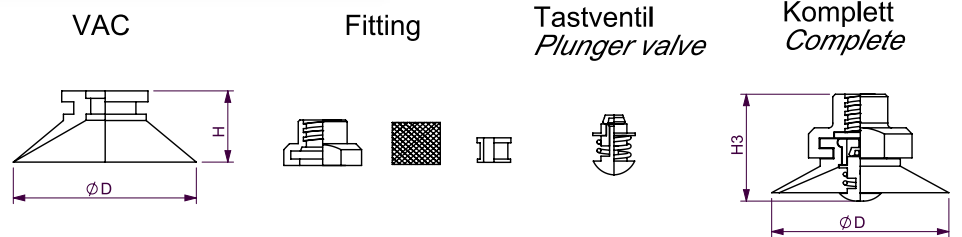
Flachsauger - einfache Ausführung | flat cups - basic design



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



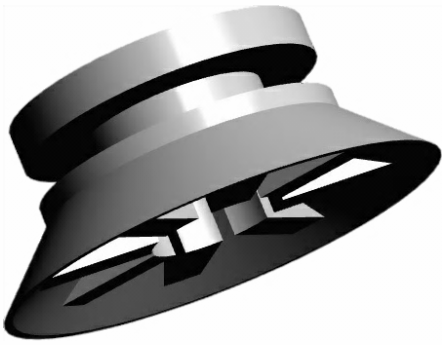
VAC Art.				Komplett mit Anschlussstück Complete with fitting
10.022.120._	2,5	1	130.135	11.022.001._
10.032.121._	4,5	1	130.135	11.032.012._
10.042.122._	5	5	130.136	11.042.013._
10.052.123._	6,5	11	130.137	11.052.014._



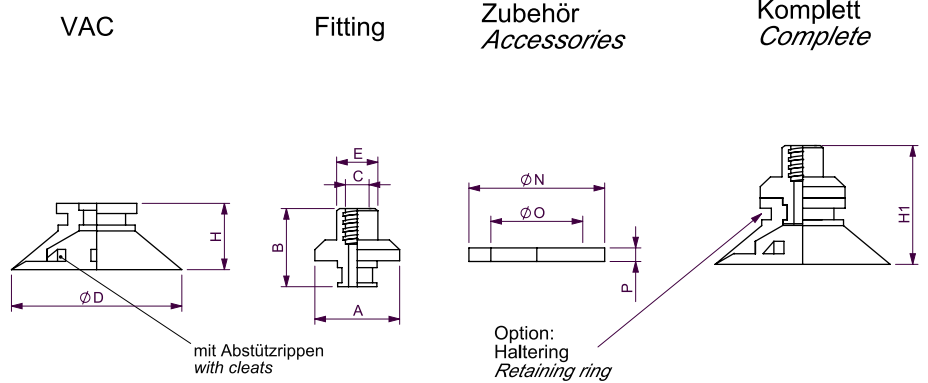
VAC Art.		Tastventil Plunger valve	Komplett mit Anschlussstück Complete with fitting
10.022.120._	130.135	–	–
10.032.121._	130.135	130.276	11.032.012._TV
10.042.122._	130.136	130.277	11.042.013._TV
10.052.123._	130.137	130.278	11.052.014._TV

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

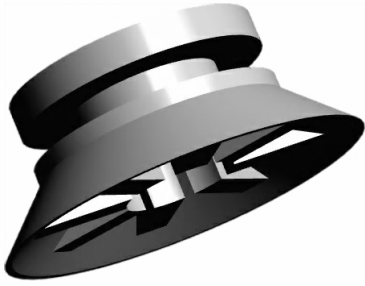


VAC Art.				Haltering Retaining ring	Komplett mit Anschlussstück
10.022.005_	0,5	1	130.250	HR.011	11.022.015_
10.028.098_	1	2	130.250	HR.011	11.028.016_
10.032.022_	1,5	2	130.250	HR.011	11.032.017_
10.042.099_	2	6	130.251	HR.012	11.042.018_
10.053.100_	3	12	130.252	HR.013	11.053.019_

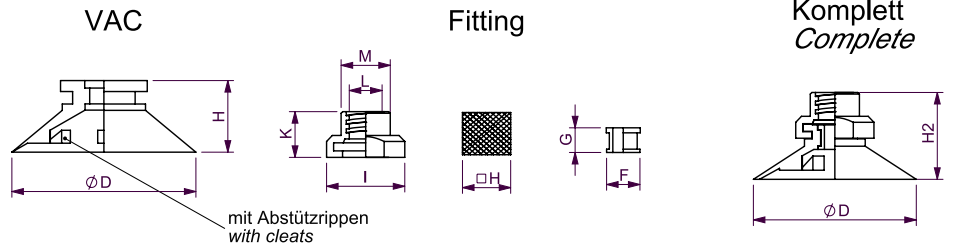
Abmessungen in mm  
Dimensions in mm

Vakuumsauger Vacuum cups			Fitting				Haltering Retaining ring			
VAC Art.	$\phi D$	H	H1	$\phi A$	B	C	E	$\phi N$	$\phi O$	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

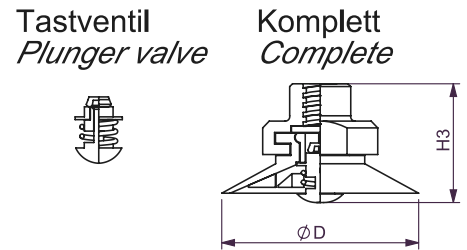


- Flachsauger Ø22 – Ø53 mm mit Abstützrippen für bessere Stabilität
- Flat vacuum cups Ø22 – Ø 53 mm with cleats for better stability



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



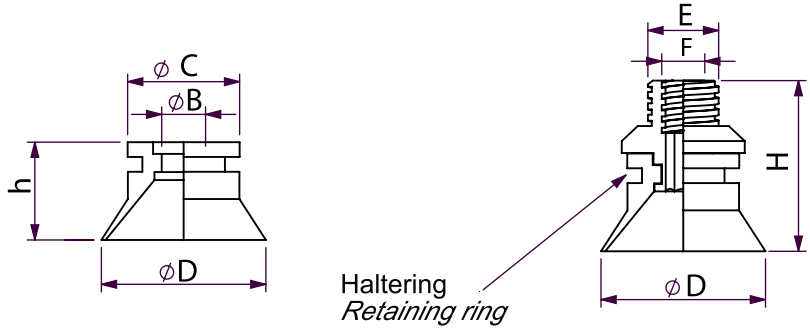
VAC Art.	Vakuumsauger Vacuum cups				Fitting							
	Ø D	H	H2	H3	Ø F	G	□ H	Ø I	K	L	M	
11.022.004._	22	8	16	-	7	5	11	18	11	M5	G1/8"	
11.028.005._	28	9	17	-	7	5	11	18	11	M5	G1/8"	
11.032.006._	32	10	18	20	7	5	11	18	11	M5	G1/8"	
11.042.007._	42	13	21	23	10	7	15	23	13	G1/8"	15	
11.053.008._	53	17,5	26	28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



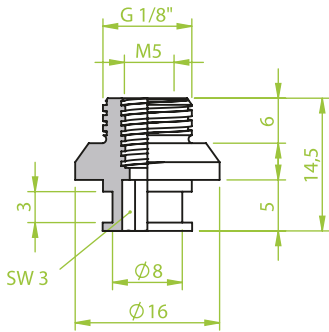
**Glockensauger | Bell-shaped cups**



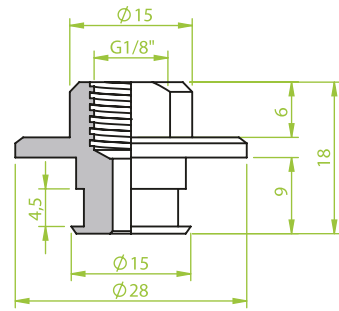
- Flachsauger Ø22 – Ø53 mm für unregelmäßige Flächen ( Ecken, Kanten)
- Flat vacuum cups Ø22 – Ø 53 mm for irregular surfaces (Corners, edges)



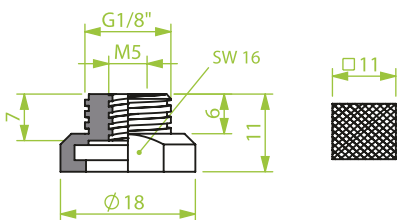
VAC Art.	D	h	B	C			Haltering Retaining ring	Komplett Complete	H	E	F	
10.022.126_	22	13	5	14,5	1,2	130.250 130.135	HR.011	11.022.028_	22,5	G1/8	M5	2,5
10.032.127_	32	19	5	14,5	3	130.250 130.135	HR.011	11.032.029_	28,5	G1/8	M5	5
10.053.128_	53	31,5	10,5	27	15,4	130.252 130.137	HR.013	11.053.030_	40,5	Ø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



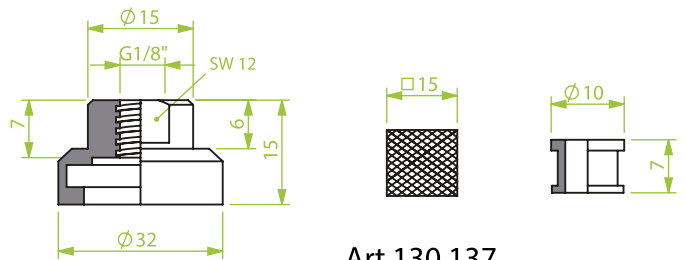
Art.130.250



Art.130.252



Art.130.135

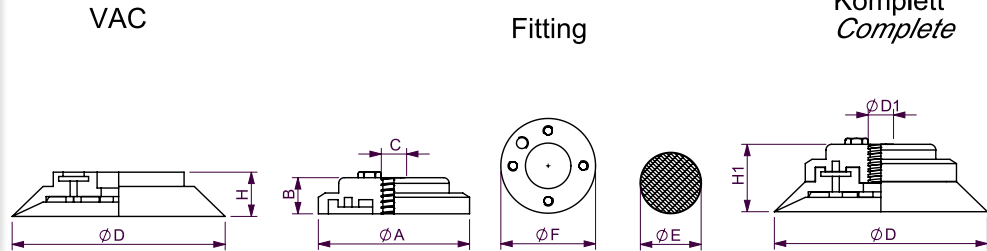


Art.130.137

**Scheibenförmige Flachsauger | Disc-shaped flat cups**



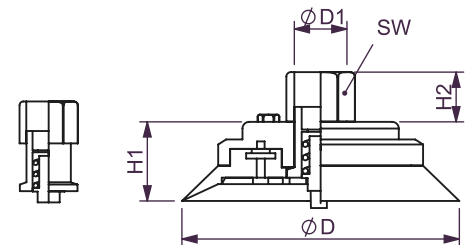
- Flachsauger Ø75 – Ø150 mm für ebene Flächen u. höhere Haltekräfte
- Flat vacuum cups Ø75 – Ø 150 mm for irregular surfaces and higher lifting forces



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_

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

Tastventil **Komplett**  
*Plunger valve Complete*

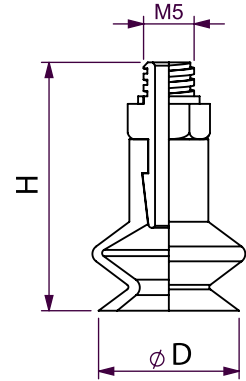
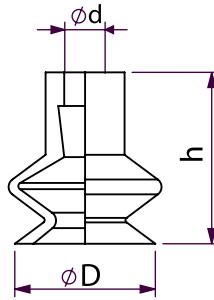





VAC Art.	Vakuumsauger Vacuum cups					Fitting					
	D	D1	H	H1	H2	A	B	C	E	F	SW
11.075.009_	75	G1/8"	14	20	17	60	12	G1/8"	15	50	14
11.110.118_	110	G1/2"	19	26	32	85	13	G1/2"	30	74	30
11.150.011_	150	G1/2"	25	32	32	120	14	G1/2"	30	100	30

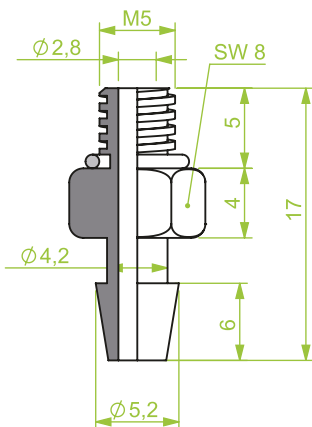
**Balgensauger - langer Schaft | Bellows cups - long shaft**



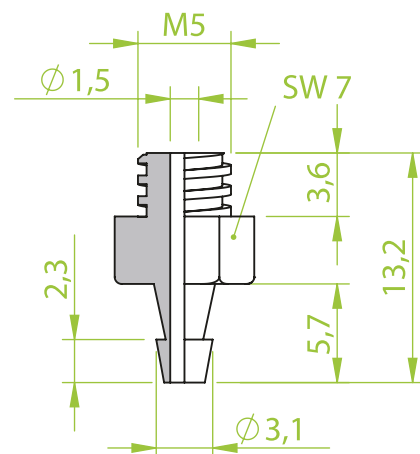
- Balgensauger- 1,5 Falten, Ø5 u. Ø16 mm für geringen Hubausgleich
- Bellows vacuum cups – 1,5 folds, Ø5 and Ø 16 mm for less stroke compensation



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

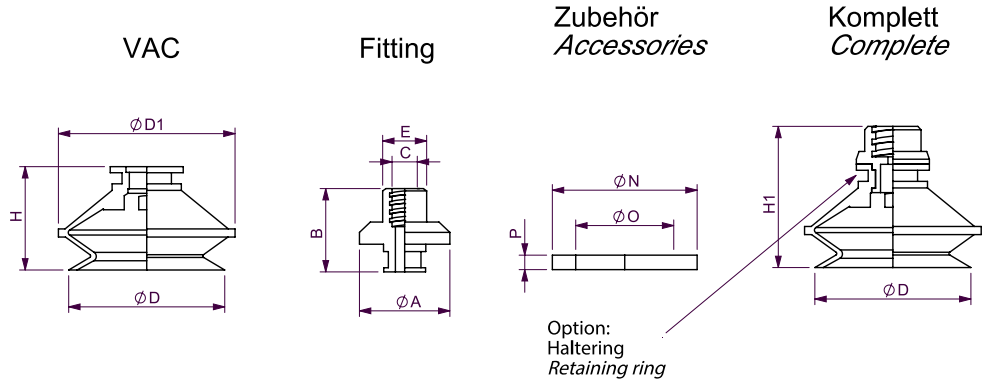


Art. 130.153

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 Anschlussteil 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._

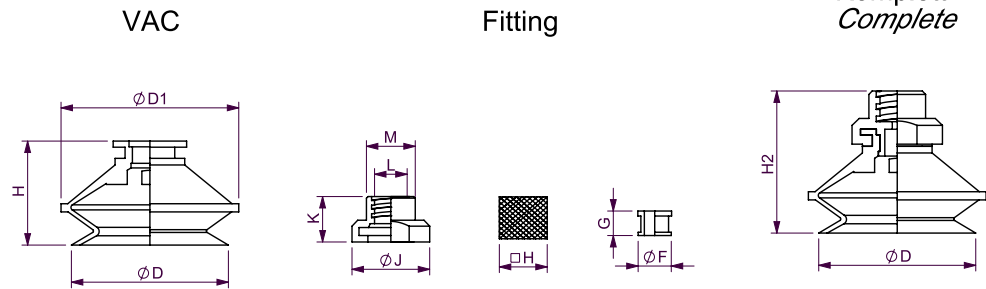
Abmessungen in mm  
Dimensions in mm

Vakuumsauger Vacuum cups					Fitting				Haltering Retaining ring		
VAC Art.	$\varnothing D$	$\varnothing D1$	H	H1	$\varnothing A$	B	C	$\varnothing E$	$\varnothing N$	$\varnothing O$	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 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

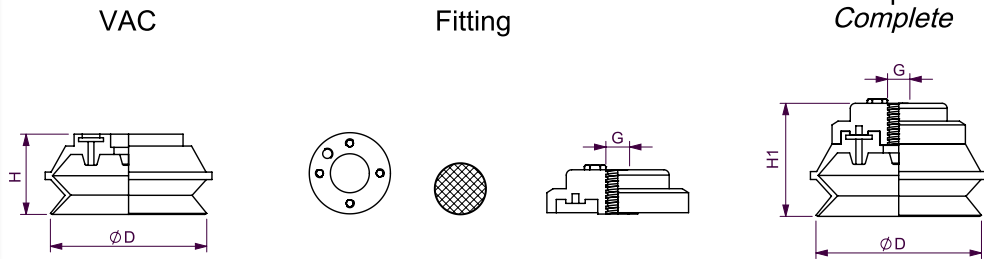
Abmessungen in mm / Dimensions in mm



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

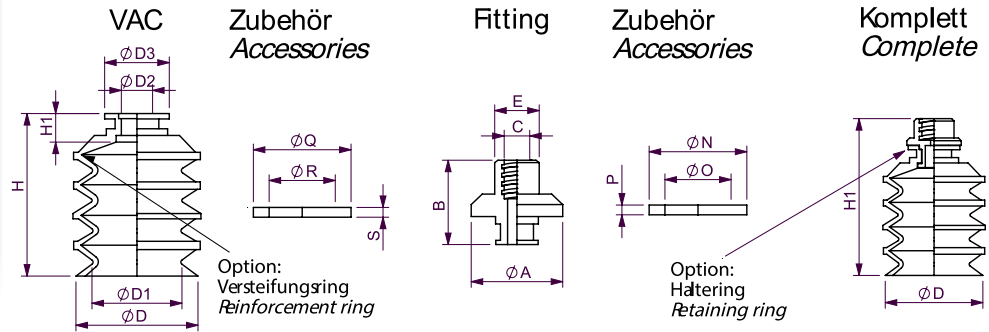


VAC Art.	Ø D	H	H1				Gewinde Thread	Komplett mit Anschlussstück Complete with fitting
210.075.033._	78	38	45	22	45	130.138	1/8" IG	211.075.006._
210.110.034._	114	51	60	35	110	130.139	1/2" IG	211.110.007._
210.150.035._	155	70	79	40	293	130.140	1/2" IG	211.150.008._

**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

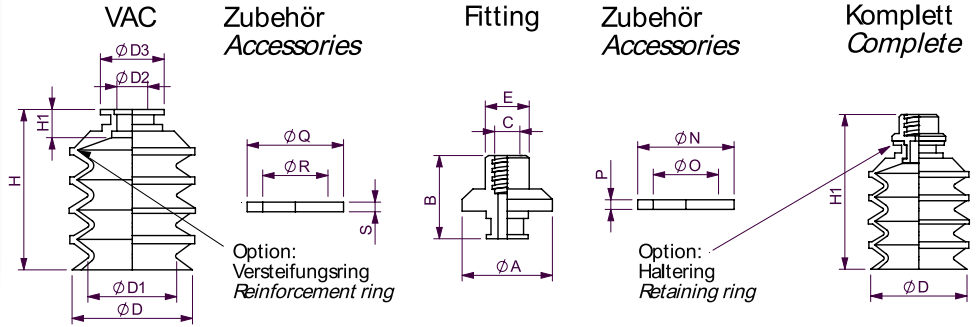
Versteifungsring Reinforcement ring			Haltering Retaining ring				
Art.	Ø Q	Ø R	S	Art.	Ø N	Ø O	P
VR.000	17,5	13,5	1	HR.011	14	9,7	1,8
VR.001	26,5	22	1,1	HR.012	20	13	2,5
VR.002	35,5	30	1,2	HR.012	20	13	2,5
VR.003	45,5	36	1,5	HR.013	26	19	3,2

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_

Vakuumsauger Vacuum cups								Fitting						
VAC Art.	$\phi D$	$\phi D1$	$\phi D2$	$\phi D3$	H	H1	H2	$\phi F$	G	$\square H$	$\phi J$	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 besticht 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:**

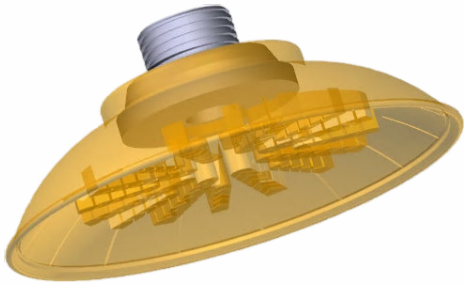
- The extremely high wear-resistance.*
- Best friction qualities*
- An excellent back set behaviour*
- Small tendency to adhere.*
- A nearly perfect anti marking.*

*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:**

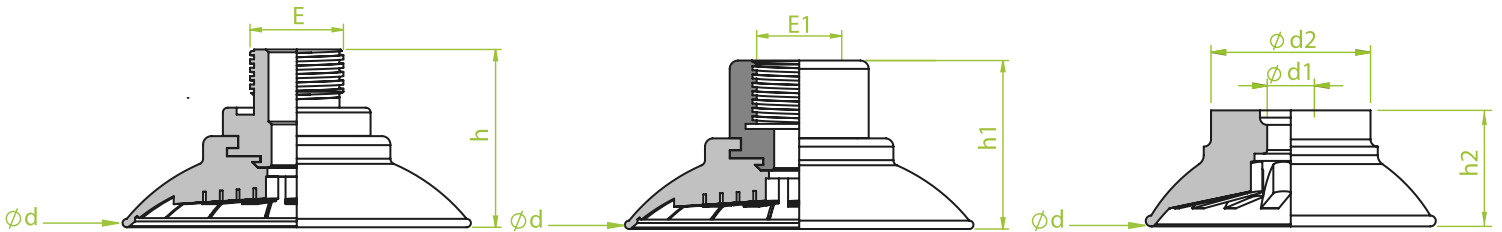
- *Plastic industry, packaging industry*
- *Furniture, wood and automobile industry.*

**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**

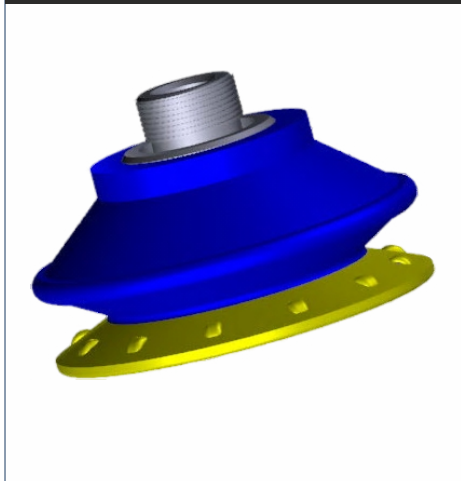
Art.		Gewinde Thread	d	d1	d2	h2			Shorehärte Hardness
10.020.800._	130.250	1/8" AG	21,5	4,5	12	10	3,5	1,3	60
10.030.801._	130.291		31	4,5	14	13,5	6	2,9	
10.040.802._	130.451 130.452	1/4" AG 1/4" IG	40	6,5	22	16	9	6,6	

**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	-	

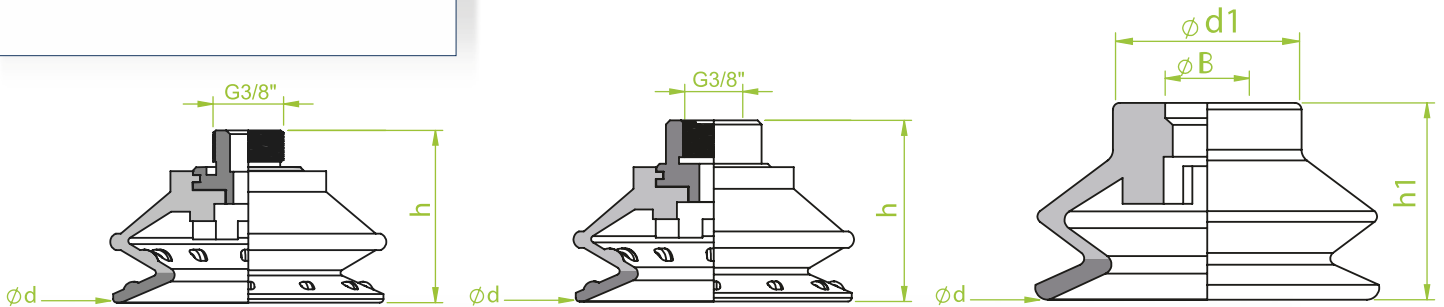


**Verschleißfeste Balgensauger für unebene Oberflächen | Wear resistant bellows cups for uneven surfaces**



- 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)



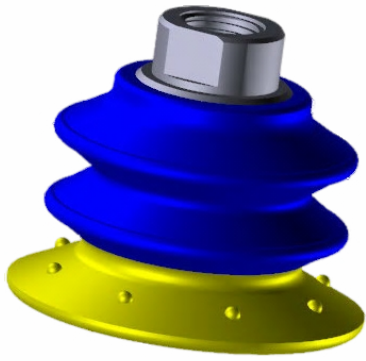
**Balgensauger, steckbar - Bellows cups, plug-in**

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

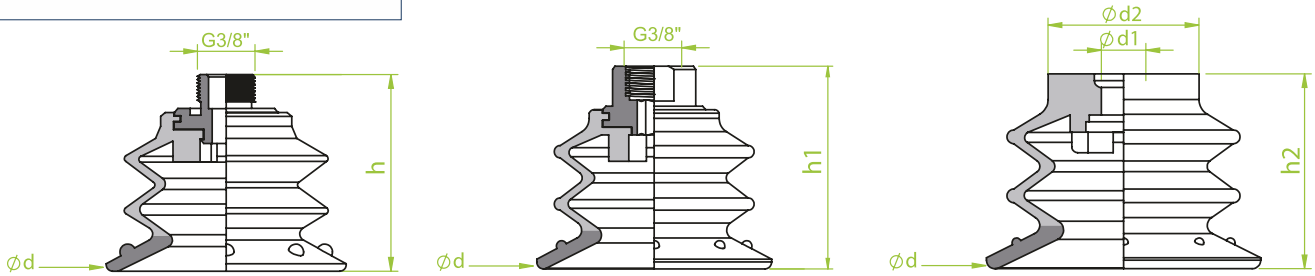
**Vulkanisiert - vulcanized**

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**

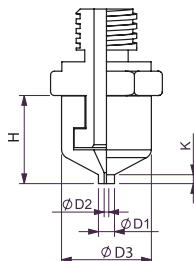
VAC Art.	Gewinde Thread	d	h			Shorehärte Hardness
223.070.800_	3/8 IG	70	60	23	66,5	30   60
224.070.800_	3/8 AG		58,5		60,4	

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

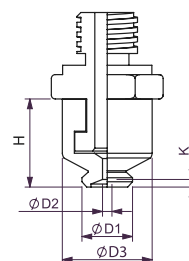


- Zum Handling kleinster und ultraleichter Produkte, z.B. in der Feinmechanik.
- For the handling of smallest and ultralight products, for example in the fine mechanics.

TYP A



TYP B



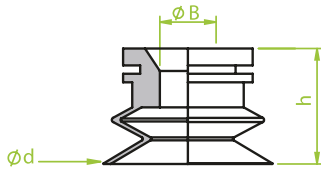
	VAC Art.	TYP	D1	D2	D3	H	K			Gewinde Thread
	10.001.631_	A	0,7	0,2	4	4	0,4	0,1g	130.523	AG M3
	10.001.632_	A	1	0,4	4	4	0,4	0,1g		
	10.002.633_	A	1,5	0,7	4	4	0,4	0,1g		
	10.001.108_	A	1	0,8	1,2	1,6	0,2	0,1g	130.026	AG M3
	10.001.109_	A	1,5	1,2	1,8	2,5	0,3	0,1g	130.011	AG M3
	10.002.041_	B	2	0,6	4	8	0,2	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	AG 1/8"
									130.065	IG 1/8"
									130.200	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

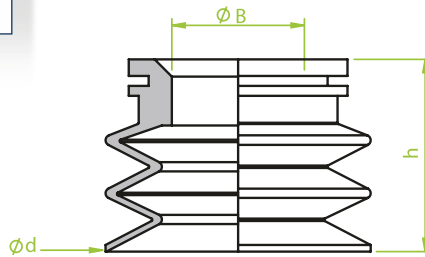


- Weiche Balgensauger mit großem Hub erlauben schonendes Handling von Backwaren mit empfindlicher Oberfläche.
- Soft bellows cups with big travel permit careful Handling of bakery products with sensitive surface.

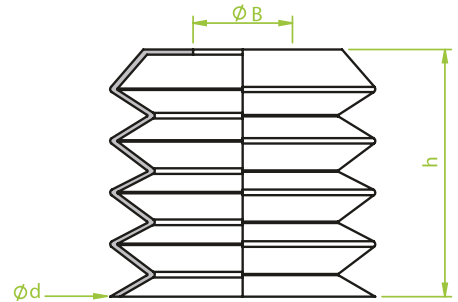
TYP A






TYP B

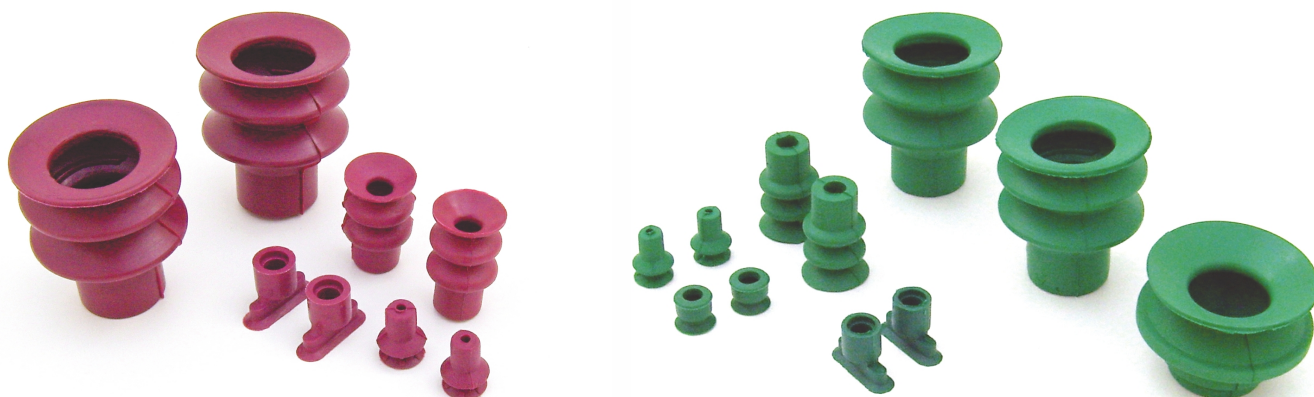


TYP C



VAC Art.	Zeichnung Drawing	d	Falten Bellows		Gewinde Thread			B	h
210.016.220_	<b>A</b>	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>B</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_	<b>C</b>	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		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-serie, 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.
- *Hereinafter displayed flat suction cups with a low stroke use preferably to picking of a parts with a plane area.*

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

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

VAC Reihe „M“  
VAC Line „M“



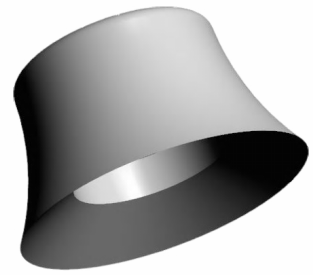
- Durchmesser: 10 bis 40 mm
- Ab Durchmesser 30 mm inkl. Abstützrippen
- Diameter: 10 to 40 mm
- From diameter 30 mm incl. cleats

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



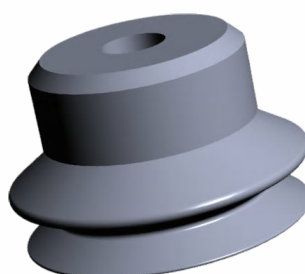
- Durchmesser: 10 bis 40 mm
- 1,5 Falten, Material: Silikon
- Ab 30 mm inkl. Abstützrippen
- Diameter: 10 to 40 mm
- 1,5 Folds, material: Silicone
- from 30 mm incl. cleats

#### 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)

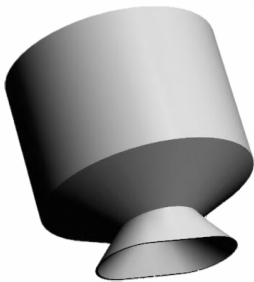
## Ovalsauger | *Oval vacuum cups*

### 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 Flachsaugern 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

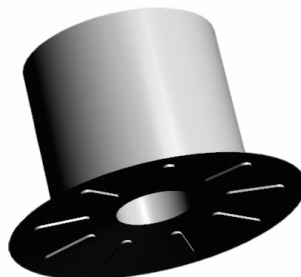
**für schwere Lasten geeignet**  
*Suitable for a heavy loads*



- 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



1,5 Faltenbalg | *1,5 bellow cups*

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

- Balgensauger 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*



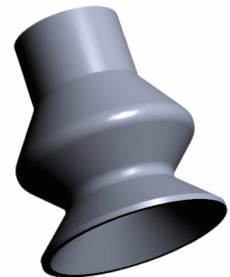
- Durchmesser: 16 bis 25 mm
- Materialien: NBR, Naturkautschuk, PU
- Diameter: 16 to 25 mm
- Materials: NBR, natural rubber, PU

Weiche Dichtlippe  
*Soft sealing lip*



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

Verschleißfest  
*Wear-resistant*



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

Robuste Ausführung  
*Stable version*



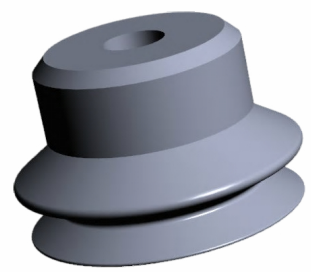
- Durchmesser: 20 bis 52 mm
- Materialien: NBR, Naturkautschuk, Silikon
- Diameter: 20 to 52 mm
- Materials: NBR, natural rubber, silicone

Standard  
*Standard*



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

Für hohe Stabilität  
*For high stability*



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

4,5 Faltenbalg | *4,5 bellow cups*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**

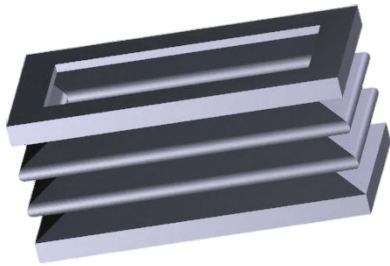
**Oval-Rechteckbalgensauger | Oval-rectangulare suction cups**

- 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.*

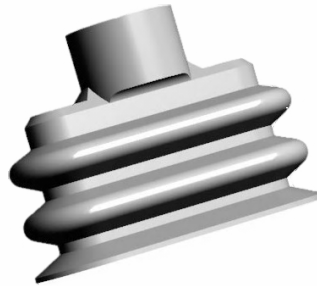
*They have an outstanding adaptability to the described objects and an excellent suction force.*

**Rechtecksauger mit Falten  
 With folds**



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

**Schmale Bauform  
 Narrow design**



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

**Verschleißfest  
 Wear-resistant**



- Abmessungen: 35x28 mm  
 bis 97x55 mm
- Dimensionen : 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 rauhen 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 to 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*



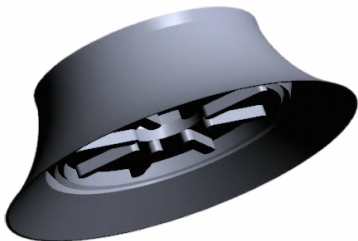
# Flachsauger | flat cups

## 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



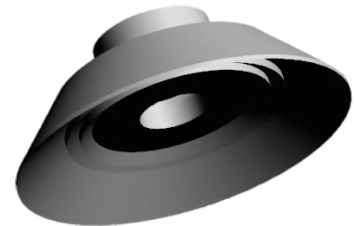
- Durchmesser: 40 bis 350 mm
- Hervorragende Haltekraft
- Materialempfehlung: Naturgummi (35° bis 40° Shore)
- Diameter: 40 to 350 mm
- Excellent holding force
- Material recommendation: natural rubber(35° to 40° Shore)

### 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

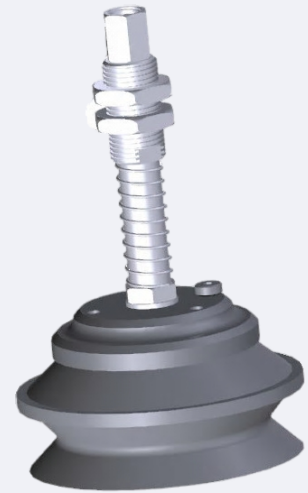


- Durchmesser: 60 bis 95 mm
- Abstützrippen an der Unterseite
- Hohe Beschleunigungen möglich
- Diameter: 60 to 95 mm
- Cleats on the underside
- High acceleration are possible.

# 1,5 Faltenbalg | 1,5 bellow cups

## 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



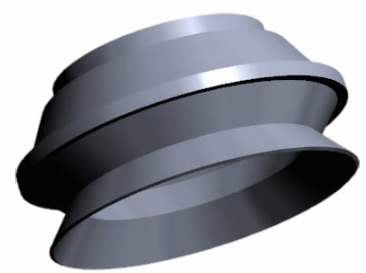
- Durchmesser: 25 bis 60 mm
- Materialien: Naturgummi, Silikon
- Diameter: 25 to 60 mm
- Materials: Natural rubber, silicone

### 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**

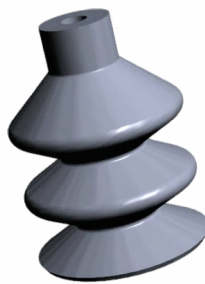
- Die hier dargestellten Balgensauger mit großem Hub eignen sich sehr gut zum Ansaugen von Produkten mit abgestufter Kontur und vorhandenem Höheunterschied. Ihr hervorragendes Hubverhalten erzielt einen ausgezeichneten Dämpfungseffekt und ermöglicht das Greifen unter einem Winkel, ähnlich einem flexiblen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

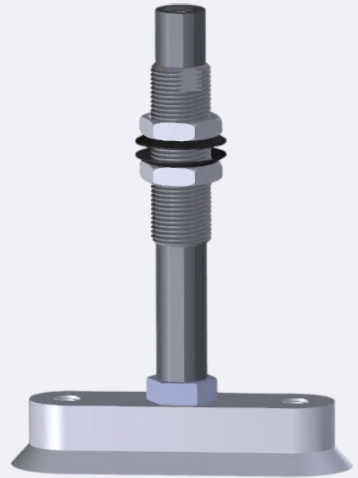


- Durchmesser: 32 bis 62 mm
- Für höhere Haltekraft
- Material: Naturgummi
- Diameter: 32 to 62 mm
- For high holding force
- Material: Natural rubber

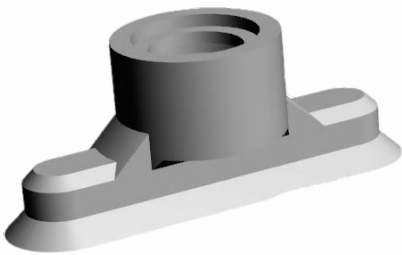
## Ovalsauger | Oval vacuum cups

### 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.

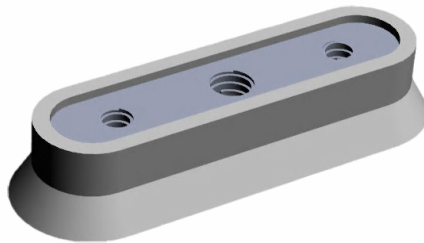


#### Standard Standard



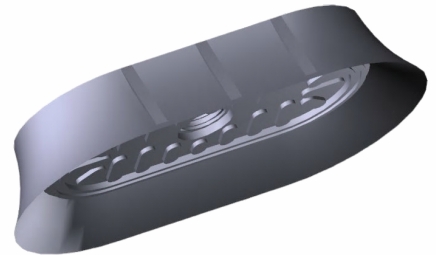
- Abmessungen: 45x15 mm bis 85x28 mm
- Dimensionen : 45x15 mm to 85x28 mm
- Materialien: NBR, Silikon
- Materials: NBR, silicone

#### Vulkanisiert - Innengewinde Vulcanized - female thread



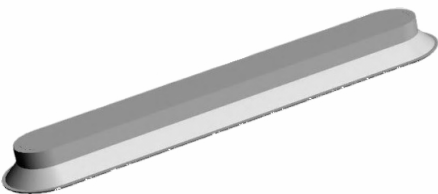
- Abmessungen: 75x25 mm bis 145x34 mm
- Dimensionen : 75x25 mm to 145x34 mm
- Für hohe Taktzeiten
- For high cycle times
- Material: Silikon
- Material: silicone

#### Doppeldichtlippe Double sealing lip



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

#### Vulkanisiert - ohne Bohrung Vulcanised - without hole



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

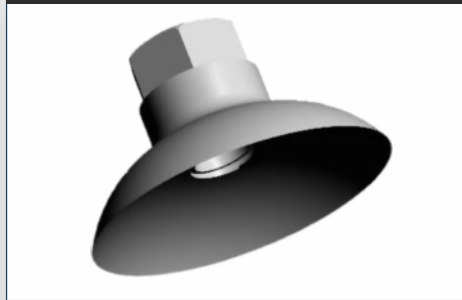
Aufbau & Ausführungen | Structure & Versions

Ohne Anschlussstück  
Without fitting  
10.



10.003.201.\_

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



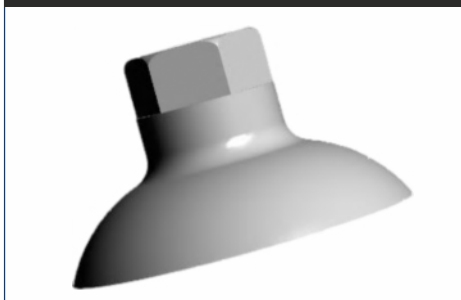
11.003.201.\_

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



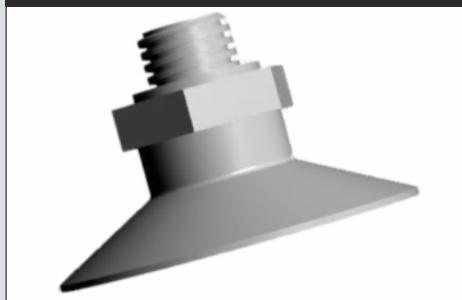
12.003.201.\_

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



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

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

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

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

10.002.041._				
	<b>Materialcode</b> 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._				
	<b>Materialcode</b> 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._				
	<b>Materialcode</b> 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._				
	<b>Materialcode</b> 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			

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

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

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

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

<b>10.003.701._</b>	
<b>Materialcode</b>	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
130.025	M3 AG
<b>0.3mm</b>	<b>0.1g</b>

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

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

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

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

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

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

10.005.131._		Materialcode	
		05 Polyurethan 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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			
0.9mm	0.1g		



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

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

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

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

10.006.044._			
		<b>Materialcode</b>	
		07 FKM 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.283	M5 AG		
0.3mm	1g		

10.006.058._			
		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
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._			
		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.025	M3 AG		
1.5mm	0.1g		



10.006.095._			
		<b>Materialcode</b>	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.613	M5 AG		
mm	0g		

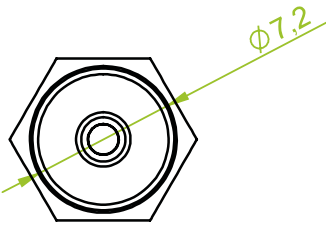
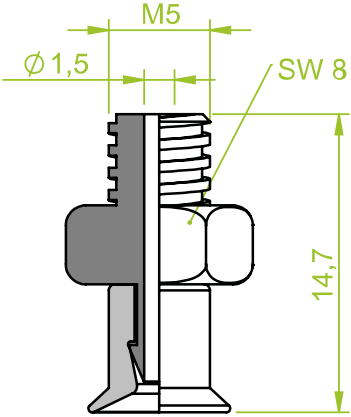


<b>10.006.151._</b>	
<b>Materialcode</b>	
06 EPDM 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.111 130.300	M4 AG M5 AG
0.5mm	1g

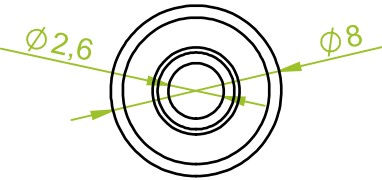
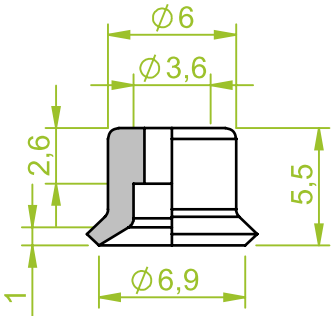


<b>10.007.035._</b>	
<b>Materialcode</b>	
06 EPDM 09 HNBR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.591	M5 AG
1mm	1g

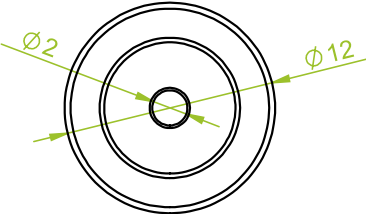
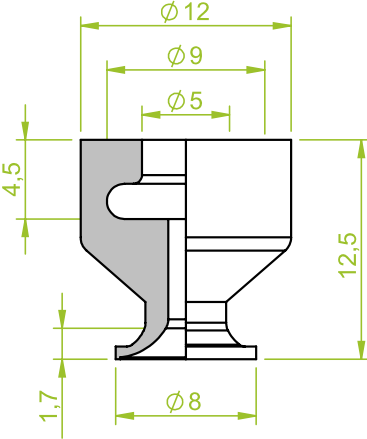


<b>10.007.153._</b>	
<b>Materialcode</b>	
02 Silikon 12 verstärktes Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.037 130.038 130.085 130.086	M5 AG 1/4" IG 1/8" AG 1/8" IG
1.6mm	0.5g

<b>10.007.638._</b>	
<b>Materialcode</b>	
05 Polyurethan 02 Silikon 12 verstärktes Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.024 130.033 130.104	M5 AG 1/8" AG M6 AG
1mm	0.2g

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

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

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

10.008.059._	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
	
	
1.0mm	1.3g

<b>10.008.068._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.591 130.613	M5 AG M5 AG
1mm	1g

<b>10.008.136._</b>	
<b>Materialcode</b>	
07 FKM 09 HNBR 05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.005 130.007 130.009 130.010	M5 IG 1/8" IG 1/8" AG M5 AG
1.4mm	1g

<b>10.008.154._</b>	
<b>Materialcode</b>	
03 NR	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.613	M5 AG
1.5mm	1g

<b>10.008.155._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.153 130.613	M5 AG M5 AG
1mm	0.3g



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

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

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

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

<b>10.008.630._</b>						
	<b>Materialcode</b> 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					

<b>10.008.681._</b>										
	<b>Materialcode</b> 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									

<b>10.008.695._</b>								
	<b>Materialcode</b> 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							

<b>10.009.020._</b>				
	<b>Materialcode</b> 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			

10.009.169._				
	<b>Materialcode</b> V Vinyl			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.613</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.613
Halter Fitting	Gewinde Thread			
130.613	M5 AG			
1mm	0.2g			

10.009.170._										
	<b>Materialcode</b> 03 NR 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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>270.478</td> <td>1/8" IG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.033	1/8" AG	130.104	M6 AG	130.134	M5 AG	270.478
Halter Fitting	Gewinde Thread									
130.033	1/8" AG									
130.104	M6 AG									
130.134	M5 AG									
270.478	1/8" IG									
1.5mm	1g									

10.009.185._								
	<b>Materialcode</b> 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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> </tbody> </table>	Halter Fitting	Gewinde Thread	130.037	M5 AG	130.085	1/8" AG	130.086
Halter Fitting	Gewinde Thread							
130.037	M5 AG							
130.085	1/8" AG							
130.086	1/8" IG							
1mm	0.3g							

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

<b>12.009.042._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
1.5mm	1g

<b>10.010.046._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.005	M5 IG
130.007	1/8" IG
130.009	1/8" AG
130.010	M5 AG
1mm	1g

<b>10.010.060._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.005	M5 IG
130.009	1/8" AG
130.037	M5 AG
130.085	1/8" AG
130.086	1/8" IG
270.064	1/8" AG
270.065	1/8" IG
0.5mm	0.8g

<b>10.010.070._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.033	1/8" AG
130.104	M6 AG
130.134	M5 AG
270.347	M5 IG
270.478	1/8" IG
1mm	0.3g

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

10.010.187._				
	<b>Materialcode</b> 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>270.382</td> <td>M5 IG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	270.382
Halter Fitting	Gewinde Thread			
270.382	M5 IG			
0.3mm	1g			

10.010.188._						
	<b>Materialcode</b> 02 Silikon 12 verstärktes Silikon					
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.111</td> <td>M4 AG</td> </tr> <tr> <td>130.283</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.111	M4 AG	130.283
Halter Fitting	Gewinde Thread					
130.111	M4 AG					
130.283	M5 AG					
0.7mm	1g					

10.010.189._								
	<b>Materialcode</b>							
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <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 Fitting	Gewinde Thread	130.007	1/8" IG	130.009	1/8" AG	130.010
Halter Fitting	Gewinde Thread							
130.007	1/8" IG							
130.009	1/8" AG							
130.010	M5 AG							
0.5mm	0.3g							



10.010.191._		
	<b>Materialcode</b> 02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.022	M5 AG
1mm	1g	

10.010.192._		
	<b>Materialcode</b> 02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.094 130.095 130.096	M5 AG 1/8" AG 1/8" IG
1.5mm	1g	

10.010.194._		
	<b>Materialcode</b> 02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.005 130.009	M5 IG 1/8" AG
mm	0g	

10.010.584._		
	<b>Materialcode</b> 05 Polyurethan 02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.604 130.605 130.606	M5 AG 1/8" AG 1/4" AG
1.5mm	1.7g	

10.011.036._								
	<b>Materialcode</b> 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._						
	<b>Materialcode</b> 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._										
	<b>Materialcode</b> 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._														
	<b>Materialcode</b> 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._										
	<b>Materialcode</b> 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._				
	<b>Materialcode</b> 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._						
	<b>Materialcode</b> 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._														
	<b>Materialcode</b> 03 NR													
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <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>130.347</td> <td>M5 IG</td> </tr> <tr> <td>270.478</td> <td>1/8" IG</td> </tr> </tbody> </table>	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
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													

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

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

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

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

10.014.216._										
	<b>Materialcode</b> 03 NR									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.037	M5 AG	130.085	1/8" AG	130.086	1/8" IG	130.373
Halter Fitting	Gewinde Thread									
130.037	M5 AG									
130.085	1/8" AG									
130.086	1/8" IG									
130.373	M5 AG									
2mm	1g									

10.014.686._						
	<b>Materialcode</b>					
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.132</td> <td>1/8" AG</td> </tr> <tr> <td>130.208</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.132	1/8" AG	130.208
Halter Fitting	Gewinde Thread					
130.132	1/8" AG					
130.208	1/4" AG					
5mm	4g					

10.015.031._														
	<b>Materialcode</b> 03 NR 02 Silikon													
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <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>270.478</td> <td>1/8" IG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	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
Halter Fitting	Gewinde Thread													
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._												
	<b>Materialcode</b> 05 Polyurethan 02 Silikon											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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>130.007</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 Fitting	Gewinde Thread	130.003	1/8" AG	130.005	M5 IG	130.007	1/8" IG	130.009	1/8" AG	130.010
Halter Fitting	Gewinde Thread											
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 Fitting	Gewinde Thread
130.064	1/8" AG
130.065	1/8" IG
130.200	M5 AG
2mm	1g

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

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

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

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

<b>10.015.585._</b>								
	<b>Materialcode</b> 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							
3.5mm	1.9g							

<b>10.015.604._</b>				
	<b>Materialcode</b> 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> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.014
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.014	M3 AG			
1.5mm	0.2g			

<b>10.015.693._</b>										
	<b>Materialcode</b> 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	0.3g									

<b>14.015.043._</b>				
<b>vulkanisiert</b>				
	<b>Materialcode</b> 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></td> <td></td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
1.2mm	3.8g			

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

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

10.016.037._													
	<b>Materialcode</b> 09 HNBR 05 Polyurethan 02 Silikon												
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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>130.104</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 Fitting	Gewinde Thread	130.003	1/8" AG	130.005	M5 IG	130.104	M6 AG	130.109	1/8" IG	130.134	M5 AG
	Halter Fitting	Gewinde Thread											
	130.003	1/8" AG											
130.005	M5 IG												
130.104	M6 AG												
130.109	1/8" IG												
130.134	M5 AG												
<table border="1"> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td>2mm</td> <td>0.6g</td> </tr> </tbody> </table>			2mm	0.6g									
2mm	0.6g												

10.016.038._											
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	Halter Fitting	Gewinde Thread									
	130.003	1/8" AG									
130.024	M5 AG										
130.103	M6 AG										
130.134	M5 AG										
<table border="1"> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td>2.5mm</td> <td>1.2g</td> </tr> </tbody> </table>			2.5mm	1.2g							
2.5mm	1.2g										

10.016.039._												
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	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.003	1/8" AG	130.024	M5 AG	130.104	M6 AG	130.109	1/8" IG	130.134
Halter Fitting	Gewinde Thread											
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._								
	<b>Materialcode</b> 03 NR 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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>130.132</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.043	1/4" AG	130.114	1/8" IG	130.132
Halter Fitting	Gewinde Thread							
130.043	1/4" AG							
130.114	1/8" IG							
130.132	1/8" AG							
5mm	3.5g							

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

10.016.236._										
	<b>Materialcode</b> 03 NR									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.003	1/8" AG	130.013	M5 AG	130.015	1/8" IG	130.103
Halter Fitting	Gewinde Thread									
130.003	1/8" AG									
130.013	M5 AG									
130.015	1/8" IG									
130.103	M6 AG									
3.0mm	1g									

10.016.239._												
	<b>Materialcode</b> 03 NR											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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>130.200</td> <td>M5 AG</td> </tr> <tr> <td>130.373</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.037	M5 AG	130.085	1/8" AG	130.086	1/8" IG	130.200	M5 AG	130.373
Halter Fitting	Gewinde Thread											
130.037	M5 AG											
130.085	1/8" AG											
130.086	1/8" IG											
130.200	M5 AG											
130.373	M5 AG											
0.5mm	0.4g											

10.016.240._								
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	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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> </tbody> </table>	Halter Fitting	Gewinde Thread	130.037	M5 AG	130.085	1/8" AG	130.086
Halter Fitting	Gewinde Thread							
130.037	M5 AG							
130.085	1/8" AG							
130.086	1/8" IG							
2mm	1g							

10.016.243._												
	<b>Materialcode</b> 03 NR 02 Silikon											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.023</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 Fitting	Gewinde Thread	130.013	M5 AG	130.023	M5 AG	130.109	1/8" IG	130.194	1/4" AG	130.238
Halter Fitting	Gewinde Thread											
130.013	M5 AG											
130.023	M5 AG											
130.109	1/8" IG											
130.194	1/4" AG											
130.238	1/8" AG											
5mm	1g											

10.016.353._				
	<b>Materialcode</b> 03 NR 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.033
Halter Fitting	Gewinde Thread			
130.033	1/8" AG			
6mm	2.6g			



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

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

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

<b>12.016.044._</b>	
	Materialcode
	09 HNBR 05 Polyurethan 02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
2mm	1.6g

12.016.045._						
	<b>Materialcode</b> 02 Silikon					
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td>2.5mm</td> <td>2.2g</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread			2.5mm
Halter Fitting	Gewinde Thread					
2.5mm	2.2g					

12.016.046._						
	<b>Materialcode</b> 06 EPDM 09 HNBR 05 Polyurethan 02 Silikon					
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Halter Fitting	Gewinde Thread					
0.5mm	1.6g					

10.017.173._								
	<b>Materialcode</b> 03 NR							
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Halter Fitting	Gewinde Thread							
130.131	1/8" AG							
2mm	1.2g							

10.017.252._								
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Halter Fitting	Gewinde Thread							
130.613	M5 AG							
3.0mm	0.6g							

10.017.255._								
	<b>Materialcode</b> 03 NR 02 Silikon							
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Halter Fitting	Gewinde Thread							
130.087	1/8" AG							
130.104	M6 AG							
130.134	M5 AG							
1mm	0.64g							

10.017.258._				
	<b>Materialcode</b> V Vinyl			
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Halter Fitting	Gewinde Thread			
130.613	M5 AG			
0.5mm	1g			

10.017.595._										
	<b>Materialcode</b> 05 Polyurethan 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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> <tr> <td>130.609</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.177	M10 AG	130.451	1/4" AG	130.452	1/4" IG	130.609
Halter Fitting	Gewinde Thread									
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._										
	<b>Materialcode</b> 02 Silikon									
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Halter Fitting	Gewinde Thread									
130.110	1/8" IG									
130.238	1/8" AG									
270.443	M5 AG									
270.534	1/4" AG									
3mm	1.3g									

10.018.089._				
	<b>Materialcode</b> 02 Silikon			
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Halter Fitting	Gewinde Thread			
130.033	1/8" AG			
mm	1.0g			

10.018.202._												
	<b>Materialcode</b> 02 Silikon											
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Halter Fitting	Gewinde Thread											
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._								
	<b>Materialcode</b> 03 NR							
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Halter Fitting	Gewinde Thread							
130.064	1/8" AG							
130.065	1/8" IG							
130.200	M5 AG							
0.5mm	0.2g							

10.018.262._								
	<b>Materialcode</b> 03 NR							
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Halter Fitting	Gewinde Thread							
130.064	1/8" AG							
130.065	1/8" IG							
130.200	M5 AG							
0.5mm	0.2g							

10.018.265._																
	<b>Materialcode</b> 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._								
	<b>Materialcode</b> 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._																		
	<b>Materialcode</b> 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>130.024</td><td>M5 AG</td></tr> <tr><td>130.033</td><td>1/8" AG</td></tr> <tr><td>130.103</td><td>M6 AG</td></tr> <tr><td>130.350</td><td>M10 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	130.024	M5 AG	130.033	1/8" AG	130.103	M6 AG	130.350
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._								
	<b>Materialcode</b> 03 NR							
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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							

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

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

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

10.019.274._	
	Materialcode
	03 NR
Halter Fitting	Gewinde Thread
2.0mm	0.4g



10.020.008._												
	<b>Materialcode</b> 03 NR 02 Silikon 12 verstärktes Silikon											
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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._												
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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._										
	<b>Materialcode</b> 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									
3mm	1.6g									

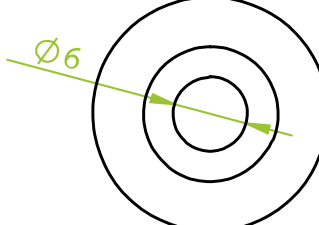

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Halter <i>Fitting</i>	Gewinde <i>Thread</i>																	
130.006	1/8" AG																	
130.019	1/8" IG																	
130.030	1/8" AG																	
130.061	1/8" IG																	
130.063	1/8" AG																	
130.274	1/4" AG																	
130.275	1/4" IG																	
130.311	M5 AG																	
2mm	1.5g																	

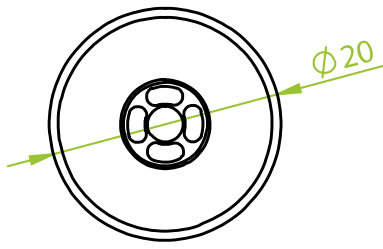

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Halter Fitting	Gewinde Thread									
130.311	M5 AG									
130.312	M6 AG									
270.479	1/8" IG									
270.480	1/8" AG									
2mm	1.5g									

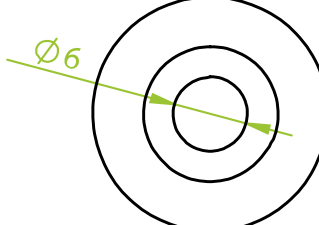

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Halter Fitting	Gewinde Thread													
130.103	M6 AG													
130.109	1/8" IG													
130.194	1/4" AG													
130.205	1/8" AG													
130.238	1/8" AG													
130.317	M5 AG													
1.5mm	1.8g													

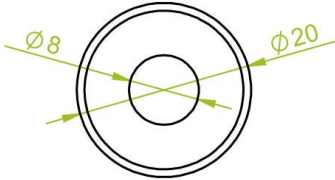

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Halter Fitting	Gewinde Thread									
130.033	1/8" AG									
130.104	M6 AG									
130.134	M5 AG									
130.374	M5 IG									
2.5mm	0.2g									

10.020.093._						
	<b>Materialcode</b> 12 verstärktes Silikon					
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Halter Fitting	Gewinde Thread					
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		

10.020.176._												
	<b>Materialcode</b> 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._								
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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>130.040</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._										
	<b>Materialcode</b> 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._										
	<b>Materialcode</b> 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._								
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Halter Fitting	Gewinde Thread							
130.041	1/8" IG							
130.131	1/8" AG							
130.194	1/4" AG							
1.5mm	1.4g							

10.020.284._								
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Halter Fitting	Gewinde Thread							
130.097	1/4" AG							
130.098	1/4" IG							
130.181	1/8" AG							
3mm	2g							

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Halter Fitting	Gewinde Thread							
130.003	1/8" AG							
130.103	M6 AG							
130.109	1/8" IG							
0.5mm	1.2g							

10.020.286._								
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Halter Fitting	Gewinde Thread							
130.177	M10 AG							
130.190	1/4" AG							
130.192	1/4" IG							
2.5mm	3.8g							

10.020.290._								
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Halter Fitting	Gewinde Thread							
130.104	M6 AG							
130.134	M5 AG							
130.347	M5 IG							
2.0mm	1.2g							

10.020.291._										
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Halter Fitting	Gewinde Thread									
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._												
	<b>Materialcode</b> V Vinyl											
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Halter Fitting	Gewinde Thread											
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._						
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Halter Fitting	Gewinde Thread					
130.104	M6 AG					
130.134	M5 AG					
0mm	1g					



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

<b>10.020.586._</b>									
	<b>Materialcode</b> 05 Polyurethan 02 Silikon								
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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								
3.5mm	2g								

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

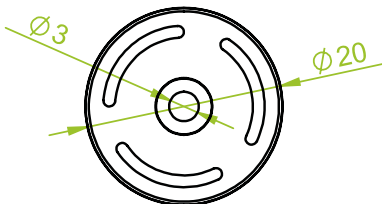
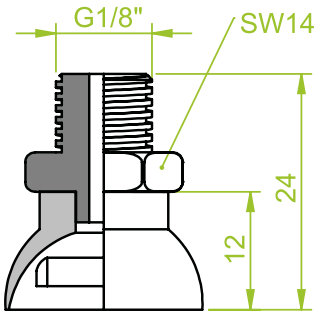
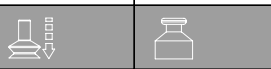
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	Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
	130.005	M5 IG							
130.013	M5 AG								
130.087	1/8" AG								
2mm	0.7g								

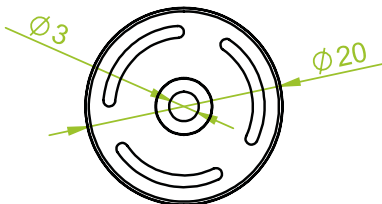
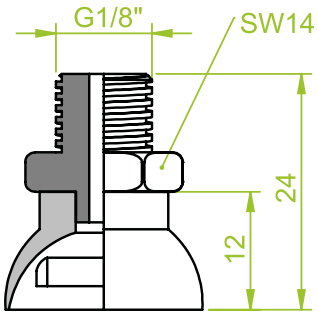
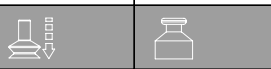
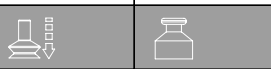
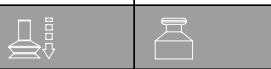
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Halter Fitting	Gewinde Thread							
130.037	M5 AG							
130.085	1/8" AG							
130.086	1/8" IG							
0.25mm	1.6g							

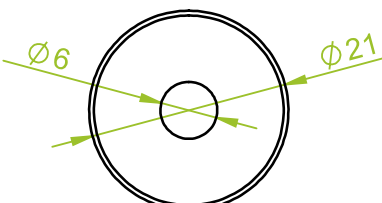
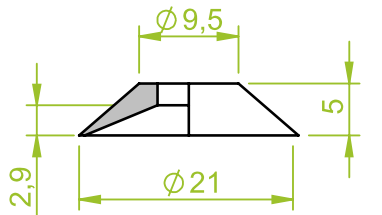

10.020.647._										
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Halter Fitting	Gewinde Thread									
130.005	M5 IG									
130.007	1/8" IG									
130.009	1/8" AG									
130.010	M5 AG									
0.6mm	0.7g									

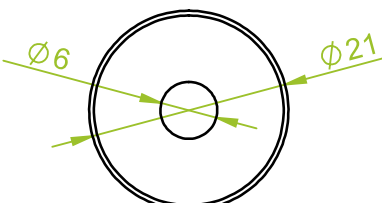
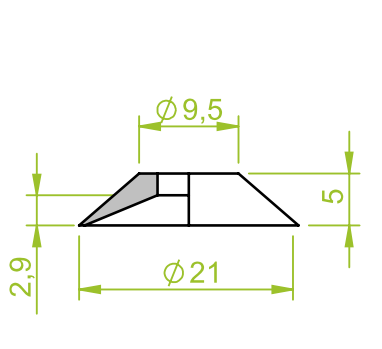



10.020.675._				
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Halter Fitting	Gewinde Thread			
1.4mm	1.9g			

13.020.074._				
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Halter Fitting	Gewinde Thread			
3.5mm	3.9g			

14.020.052._		<b>vulkanisiert</b>	
		Materialcode	
		03 NR 12 verstärktes Silikon	
		Halter	Gewinde
		<i>Fitting</i>	<i>Thread</i>
			
		2mm	3.8g

10.020.0316._		Materialcode	
		07 FKM	
		Halter	Gewinde
		<i>Fitting</i>	<i>Thread</i>
		130.037	M5 AG
		130.085	1/8" AG
		130.086	1/8" IG
		130.373	M5 AG
		3.5mm	2.2g

10.021.299._		Materialcode	
		03 NR	
		Halter	Gewinde
		<i>Fitting</i>	<i>Thread</i>
		1.5mm	0.4g

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

10.021.301._						
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Halter Fitting	Gewinde Thread					
2.0mm	0.6g					

10.021.302._						
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Halter Fitting	Gewinde Thread					
1mm	1g					

10.021.601._						
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Halter Fitting	Gewinde Thread					
2.2mm	0.7g					

10.021.622._						
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Halter Fitting	Gewinde Thread					
1mm	1.5g					

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

<b>10.021.671._</b>					
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	Halter Fitting	Gewinde Thread			
0.5mm	0.4g				

<b>10.021.690._</b>									
	<b>Materialcode</b> 03 NR								
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </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> </table>	Halter Fitting	Gewinde Thread	130.037	M5 AG	130.085	1/8" AG	130.086	1/8" IG
	Halter Fitting	Gewinde Thread							
	130.037	M5 AG							
130.085	1/8" AG								
130.086	1/8" IG								
2mm	1.3g								

<b>10.022.005._</b>									
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	Halter Fitting	Gewinde Thread							
	130.135	1/8" AG							
130.250	1/8" AG								
130.291	1/8" AG								
0.5mm	1g								

10.022.016._						
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
1mm	0.4g					

10.022.056._						
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
5mm	2.6g					

10.022.120._						
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
2.5mm	1g					

10.022.126._						
	<b>Materialcode</b> 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> <tr> <td>2.5mm</td> <td>1.2g</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			2.5mm
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
2.5mm	1.2g					



10.022.203._												
	<b>Materialcode</b> 05 Polyurethan 02 Silikon											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.035	1/8" IG	130.104	M6 AG	130.134	M5 AG	130.242	1/8" AG	130.627
Halter Fitting	Gewinde Thread											
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._														
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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													
130.188	1/8" AG													
3.0mm	0.6g													

10.022.307._				
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Halter Fitting	Gewinde Thread			
2.5mm	1.2g			

10.022.308._				
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Halter Fitting	Gewinde Thread			
130.208	1/4" AG			
6mm	5.2g			

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

11.022.015._								
	<b>Materialcode</b> 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>0.5mm</td> <td>3.7g</td> </tr> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			0.5mm
Halter	Gewinde							
<i>Fitting</i>	<i>Thread</i>							
0.5mm	3.7g							

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

11.022.025._								
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Halter	Gewinde							
<i>Fitting</i>	<i>Thread</i>							
2.5mm	4.2g							

11.022.028._				
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Halter Fitting	Gewinde Thread			
2.5mm	4.5g			

10.023.315._										
	<b>Materialcode</b> V Vinyl									
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Halter Fitting	Gewinde Thread									
130.109	1/8" IG									
130.110	1/8" IG									
130.194	1/4" AG									
130.238	1/8" AG									
0.5mm	2.0g									

10.023.612._						
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Halter Fitting	Gewinde Thread					
130.132	1/8" AG					
130.208	1/4" AG					
4mm	4.1g					

10.023.709._				
	<b>Materialcode</b> V Vinyl			
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Halter Fitting	Gewinde Thread			
mm	0g			

<b>10.024.351._</b>					
	<b>Materialcode</b> 03 NR				
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Halter Fitting	Gewinde Thread				
130.021	1/8" AG				
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>4.0mm</td> <td>1.5g</td> </tr> </table>	Halter Fitting	Gewinde Thread	4.0mm	1.5g
Halter Fitting	Gewinde Thread				
4.0mm	1.5g				

<b>10.025.010._</b>					
	<b>Materialcode</b> 06 EPDM 03 NR				
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Halter Fitting	Gewinde Thread				
130.006 130.018 130.019 130.030	1/8" AG 1/8" IG 1/8" IG 1/8" AG				
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>4.0mm</td> <td>1.8g</td> </tr> </table>	Halter Fitting	Gewinde Thread	4.0mm	1.8g
Halter Fitting	Gewinde Thread				
4.0mm	1.8g				

<b>10.025.028._</b>					
	<b>Materialcode</b> 02 Silikon				
	<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> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>7mm</td> <td>2.1g</td> </tr> </table>	Halter Fitting	Gewinde Thread	7mm	2.1g
Halter Fitting	Gewinde Thread				
7mm	2.1g				

<b>10.025.049._</b>					
	<b>Materialcode</b> 02 Silikon				
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.302 130.311 130.479</td> <td>1/8" AG M5 AG 1/8" IG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.302 130.311 130.479	1/8" AG M5 AG 1/8" IG
Halter Fitting	Gewinde Thread				
130.302 130.311 130.479	1/8" AG M5 AG 1/8" IG				
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>2.5mm</td> <td>2.5g</td> </tr> </table>	Halter Fitting	Gewinde Thread	2.5mm	2.5g
Halter Fitting	Gewinde Thread				
2.5mm	2.5g				

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

10.025.077._		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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._		
	<b>Materialcode</b>	
	03 NR	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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._		
	<b>Materialcode</b>	
	03 NR	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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._												
	<b>Materialcode</b> 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											
2.5mm	2.7g											

10.025.157._				
	<b>Materialcode</b> 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> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.039
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.039	M6 AG			
3mm	1.2g			

10.025.177._												
	<b>Materialcode</b> 03 NR											
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.019</td> <td>1/8" IG</td> </tr> <tr> <td>130.030</td> <td>1/8" AG</td> </tr> <tr> <td>130.114</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> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.019	1/8" IG	130.030	1/8" AG	130.114	1/8" IG	130.190	1/4" AG	130.192
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.019	1/8" IG											
130.030	1/8" AG											
130.114	1/8" IG											
130.190	1/4" AG											
130.192	1/4" IG											
2.0mm	4.0g											

10.025.178._										
	<b>Materialcode</b> 03 NR									
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.019</td> <td>1/8" IG</td> </tr> <tr> <td>130.030</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>	130.019	1/8" IG	130.030	1/8" AG	130.190	1/4" AG	130.192
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.019	1/8" IG									
130.030	1/8" AG									
130.190	1/4" AG									
130.192	1/4" IG									
1.0mm	3.6g									

10.025.320._		Materialcode	
		05 Polyurethan	
		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
4.0mm	1.0g		

10.025.328._		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
1.5mm	2.0g		

10.025.330._		Materialcode	
		03 NR	
		Halter Fitting	Gewinde Thread
		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 Fitting	Gewinde Thread
1.5mm	1.2g		

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

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

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

<b>10.025.346._</b>		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter Fitting</b>	<b>Gewinde Thread</b>
	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
<b>3.5mm</b>	<b>1.8g</b>	

10.025.347._			
		<b>Materialcode</b>	
		03 NR	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.177	M10 AG		
130.190	1/4" AG		
130.192	1/4" IG		
		<b>4.0mm</b>	<b>3.0g</b>

10.025.348._			
		<b>Materialcode</b>	
		03 NR	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.177	M10 AG		
130.190	1/4" AG		
130.192	1/4" IG		
		<b>2.0mm</b>	<b>3.2g</b>

10.025.349._			
		<b>Materialcode</b>	
		V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.177	M10 AG		
130.190	1/4" AG		
130.192	1/4" IG		
130.244	M5 AG		
		<b>2.5mm</b>	<b>3.2g</b>

10.025.350._			
		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.043	1/4" AG		
130.114	1/8" IG		
130.132	1/8" AG		
130.178	1/4" IG		
		<b>5mm</b>	<b>2.4g</b>

<b>10.025.361._</b>										
	<b>Materialcode</b> 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									
<b>0mm</b>	<b>1.6g</b>									

<b>10.025.587._</b>								
	<b>Materialcode</b> 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							
<b>3mm</b>	<b>2.2g</b>							

<b>10.025.596._</b>						
	<b>Materialcode</b> 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					
<b>3mm</b>	<b>3g</b>					

<b>10.025.650._</b>				
	<b>Materialcode</b>			
	<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>			
<b>2.0mm</b>	<b>1.5g</b>			

14.025.037.\_ vulkanisiert

	Materialcode	
	02 Silikon	
	Halter	Gewinde
	Fitting	Thread
	5.0mm	5.0g

14.025.040.\_ vulkanisiert

	Materialcode	
	02 Silikon	
	Halter	Gewinde
	Fitting	Thread
	6mm	5.6g

10.025.0332.\_

	Materialcode	
	VU VU	
	Halter	Gewinde
	Fitting	Thread
	3.0mm	3.0g

10.026.032.\_

	Materialcode	
	03 NR 02 Silikon	
	Halter	Gewinde
	Fitting	Thread
	1mm	1g



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

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

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

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

10.027.213._										
	<b>Materialcode</b> 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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> <tr> <td>130.105</td> <td>M6 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.039	M6 AG	130.040	M8 AG	130.077	1/8" AG	130.105
Halter Fitting	Gewinde Thread									
130.039	M6 AG									
130.040	M8 AG									
130.077	1/8" AG									
130.105	M6 AG									
4mm	1.3g									

10.027.367._						
	<b>Materialcode</b> V Vinyl					
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.038</td> <td>1/4" IG</td> </tr> <tr> <td>130.043</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.038	1/4" IG	130.043
Halter Fitting	Gewinde Thread					
130.038	1/4" IG					
130.043	1/4" AG					
5mm	2.0g					

10.027.368._												
	<b>Materialcode</b> 03 NR											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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>130.194</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.003	1/8" AG	130.013	M5 AG	130.015	1/8" IG	130.103	M6 AG	130.194
Halter Fitting	Gewinde Thread											
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._										
	<b>Materialcode</b> 03 NR									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <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 Fitting	Gewinde Thread	130.112	1/8" AG	130.113	1/4" AG	130.114	1/8" IG	130.178
Halter Fitting	Gewinde Thread									
130.112	1/8" AG									
130.113	1/4" AG									
130.114	1/8" IG									
130.178	1/4" IG									
2mm	2.4g									

<b>10.027.371._</b>									
	<b>Materialcode</b> 03 NR								
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <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> </table>	Halter Fitting	Gewinde Thread	130.040	M8 AG	130.077	1/8" AG	130.105	M6 AG
	Halter Fitting	Gewinde Thread							
	130.040	M8 AG							
130.077	1/8" AG								
130.105	M6 AG								
<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>3mm</td> <td>1.1g</td> </tr> </table>	Halter Fitting	Gewinde Thread			3mm	1.1g			
Halter Fitting	Gewinde Thread								
3mm	1.1g								

<b>10.027.373._</b>													
	<b>Materialcode</b> V Vinyl												
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.109</td> <td>1/8" IG</td> </tr> <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> </table>	Halter Fitting	Gewinde Thread	130.109	1/8" IG	130.110	1/8" IG	130.238	1/8" AG	270.443	M5 AG	270.534	1/4" AG
	Halter Fitting	Gewinde Thread											
	130.109	1/8" IG											
130.110	1/8" IG												
130.238	1/8" AG												
270.443	M5 AG												
270.534	1/4" AG												
<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>2.5mm</td> <td>2.8g</td> </tr> </table>	Halter Fitting	Gewinde Thread			2.5mm	2.8g							
Halter Fitting	Gewinde Thread												
2.5mm	2.8g												

<b>10.027.374._</b>													
	<b>Materialcode</b> 02 Silikon												
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.109</td> <td>1/8" IG</td> </tr> <tr> <td>130.114</td> <td>1/8" IG</td> </tr> <tr> <td>130.238</td> <td>1/8" 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> </table>	Halter Fitting	Gewinde Thread	130.109	1/8" IG	130.114	1/8" IG	130.238	1/8" AG	130.451	1/4" AG	130.452	1/4" IG
	Halter Fitting	Gewinde Thread											
	130.109	1/8" IG											
130.114	1/8" IG												
130.238	1/8" AG												
130.451	1/4" AG												
130.452	1/4" IG												
<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>0.5mm</td> <td>2g</td> </tr> </table>	Halter Fitting	Gewinde Thread			0.5mm	2g							
Halter Fitting	Gewinde Thread												
0.5mm	2g												

<b>10.027.646._</b>						
	<b>Materialcode</b> 02 Silikon					
	<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> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>0.8mm</td> <td>2.9g</td> </tr> </table>	Halter Fitting	Gewinde Thread			0.8mm	2.9g
Halter Fitting	Gewinde Thread					
0.8mm	2.9g					

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

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

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

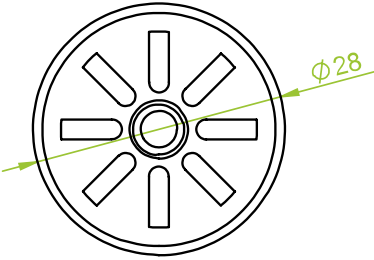
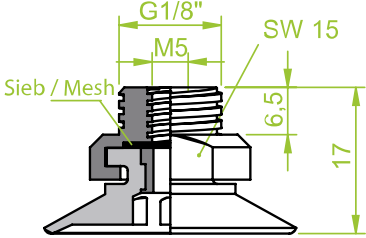

10.028.379._		Materialcode	
		V Vinyl	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		130.019 1/8" IG 130.030 1/8" AG 130.112 1/8" AG 130.113 1/4" AG 130.114 1/8" IG 130.178 1/4" IG	
		<b>2mm</b>	<b>2.0g</b>

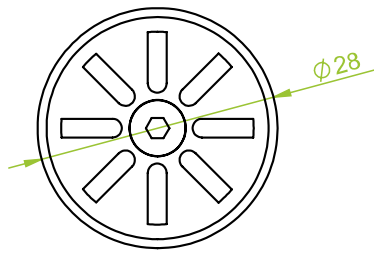
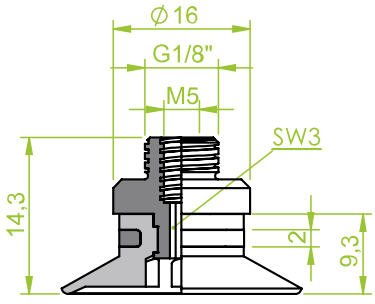

10.028.380._			
		<b>Materialcode</b>	
		V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.177	M10 AG		
130.190	1/4" AG		
130.192	1/4" IG		
130.244	M5 AG		
130.451	1/4" AG		
130.452	1/4" IG		
<b>4mm</b>	<b>4.2g</b>		

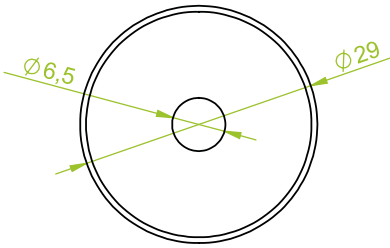
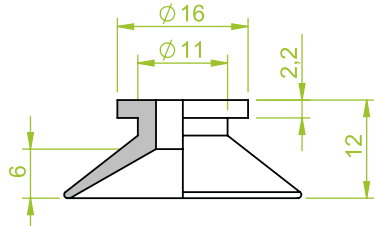

10.028.381._			
		<b>Materialcode</b>	
		V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.177	M10 AG		
130.190	1/4" AG		
130.192	1/4" IG		
130.244	M5 AG		
130.451	1/4" AG		
130.452	1/4" IG		
<b>5mm</b>	<b>4.4g</b>		

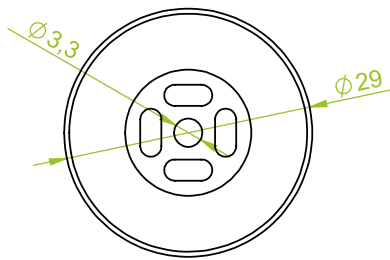
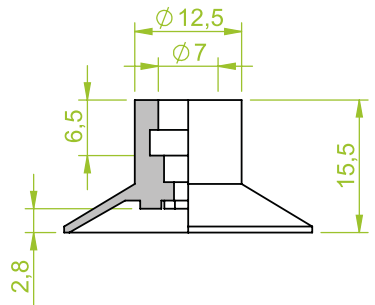

10.028.551._			
		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
<b>7mm</b>	<b>1.3g</b>		

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

11.028.005._			
		<b>Materialcode</b>	
		04 CR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
			
			
1mm		4.5g	

11.028.016._			
		<b>Materialcode</b>	
		04 CR 05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
			
			
0.5mm		3.7g	

10.029.384._			
		<b>Materialcode</b>	
		V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
			
			
4.5mm		2.2g	

10.029.385._			
		<b>Materialcode</b>	
		V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
			
			
4mm		2g	



<b>10.029.582._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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

<b>10.030.050._</b>	
<b>Materialcode</b>	
07 FKM 05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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

<b>10.030.063._</b>	
<b>Materialcode</b>	
07 FKM 05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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



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



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	

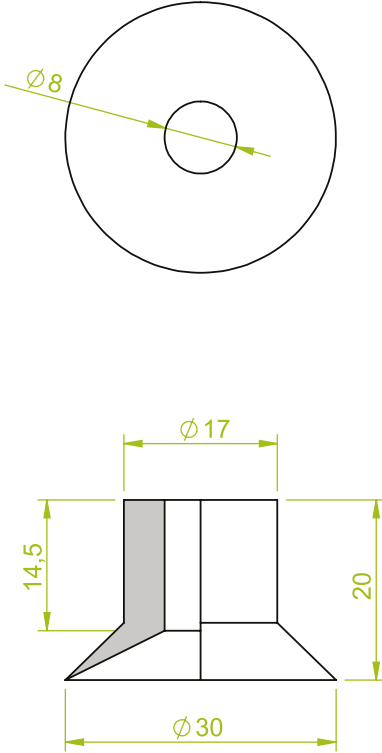
10.030.102._		Materialcode	
		03 NR 02 Silikon	
		Halter Fitting	Gewinde Thread
130.451 1/4" AG 130.452 1/4" IG 130.609 1/4" AG			
3mm		3g	



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	

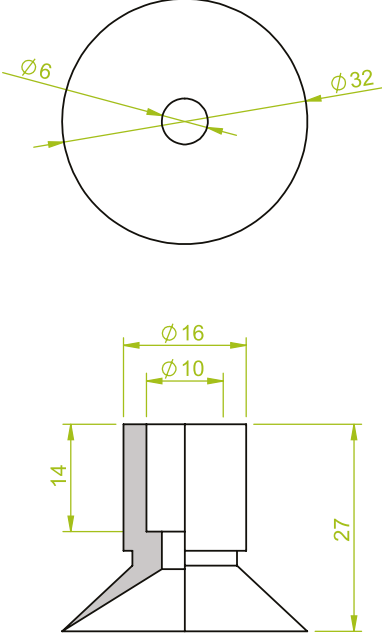
<b>10.030.158._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
130.039	M6 AG
	
4mm	1.4g

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



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

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



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

10.030.394._			
		<b>Materialcode</b>	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
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._			
		<b>Materialcode</b>	
		V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
3mm	1.2g		

10.030.399._			
		<b>Materialcode</b>	
		V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
3mm	1.8g		

<b>10.030.401._</b>											
	<b>Materialcode</b> 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										
1mm	1.5g										

<b>10.030.409._</b>							
	<b>Materialcode</b> 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						
3mm	4.6g						

<b>10.030.590._</b>									
	<b>Materialcode</b> 05 Polyurethan								
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.604</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	1/4" AG
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
	130.604	M5 AG							
130.605	1/8" AG								
130.606	1/4" AG								
1.5mm	3g								

<b>10.030.606._</b>					
	<b>Materialcode</b> 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>			
2mm	0.9g				

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

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

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

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



13.030.030.\_ vulkanisiert

		<b>Materialcode</b> 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		1.5mm	6g

13.030.073.\_ vulkanisiert

		<b>Materialcode</b> 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		2mm	2.1g

14.030.044.\_ vulkanisiert

		<b>Materialcode</b> 05 Polyurethan 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		2mm	5.2g

10.031.055.\_

		<b>Materialcode</b> 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		2.3mm	1.5g

10.031.637._						
	<b>Materialcode</b> 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> <tr> <td>2mm</td> <td>1.8g</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			2mm
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
2mm	1.8g					

10.031.683._						
	<b>Materialcode</b> 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></td> <td></td> </tr> <tr> <td>6mm</td> <td>3.1g</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			6mm
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
6mm	3.1g					

10.032.022._						
	<b>Materialcode</b> 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> <tr> <td>2.5mm</td> <td>1.8g</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			2.5mm
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
2.5mm	1.8g					

10.032.105._						
	<b>Materialcode</b> 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></td> <td></td> </tr> <tr> <td>2mm</td> <td>4.4g</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			2mm
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
2mm	4.4g					

10.032.111._										
	<b>Materialcode</b> V Vinyl									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.177</td> <td>M10 AG</td> </tr> <tr> <td>130.244</td> <td>M5 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 Fitting	Gewinde Thread	130.177	M10 AG	130.244	M5 AG	130.451	1/4" AG	130.452
Halter Fitting	Gewinde Thread									
130.177	M10 AG									
130.244	M5 AG									
130.451	1/4" AG									
130.452	1/4" IG									
2mm	4.4g									

10.032.121._												
	<b>Materialcode</b> 04 CR 02 Silikon											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <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> </tbody> </table>	Halter Fitting	Gewinde Thread	130.094	M5 AG	130.135	1/8" AG	130.250	1/8" AG	130.291	1/8" AG	130.507
Halter Fitting	Gewinde Thread											
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._										
	<b>Materialcode</b> 04 CR 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <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> </tbody> </table>	Halter Fitting	Gewinde Thread	130.135	1/8" AG	130.250	1/8" AG	130.291	1/8" AG	130.507
Halter Fitting	Gewinde Thread									
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._				
	<b>Materialcode</b> 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			
0mm	1.7g			

10.032.418._			
		<b>Materialcode</b>	
		03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.112	1/8" AG		
130.113	1/4" AG		
130.114	1/8" IG		
		6mm	4.8g

10.032.704._			
		<b>Materialcode</b>	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
		6mm	3.6g

11.032.006._			
		<b>Materialcode</b>	
		04 CR 05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
		2.5mm	7g

11.032.012._			
		<b>Materialcode</b>	
		04 CR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
		2.5mm	4.7g

11.032.017._	
Materialcode	
04 CR 02 Silikon	
Halter Fitting	Gewinde Thread
0.5mm	3.7g

11.032.021._	
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
4.5mm	0g

11.032.026._	
Materialcode	
04 CR 02 Silikon	
Halter Fitting	Gewinde Thread
5mm	6.3g

11.032.029._	
Materialcode	
04 CR 02 Silikon	
Halter Fitting	Gewinde Thread
5mm	6.3g

14.032.051.\_

vulkanisiert

	Materialcode	
	Halter Fitting	Gewinde Thread
	5mm	8.4g

10.033.419.\_

	Materialcode	
	V Vinyl	
	Halter Fitting	Gewinde Thread
	1.5mm	4.4g

10.033.578.\_

	Materialcode	
	02 Silikon	
	Halter Fitting	Gewinde Thread
	6mm	6g

10.033.579.\_

	Materialcode	
	02 Silikon	
	Halter Fitting	Gewinde Thread
	mm	7g



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

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

10.034.106._			
		<b>Materialcode</b>	
		03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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		
<b>0.5mm</b>	<b>4.7g</b>		

10.034.180._			
		<b>Materialcode</b>	
		03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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		
<b>3mm</b>	<b>4.4g</b>		

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

10.034.397._	
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._	
<b>vulkanisiert</b>	
03 NR	
Halter Fitting	Gewinde Thread
2mm	19.9g

14.034.053._	
<b>vulkanisiert</b>	
03 NR	
Halter Fitting	Gewinde Thread
2.5mm	23.3g

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

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

10.035.143._			
		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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		
<b>3mm</b>	<b>6g</b>		

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

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

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

10.035.431._			
		Materialcode	
03 NR		Halter Fitting	Gewinde Thread
4mm		2g	

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

**10.035.433.\_**

	Materialcode	
	03 NR	
	Halter Fitting	Gewinde Thread
	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 Fitting	Gewinde Thread
	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 Fitting	Gewinde Thread
	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 Fitting	Gewinde Thread
	130.097	1/4" AG
	130.451	1/4" AG
	130.452	1/4" IG
	130.521	1/4" AG
	0.5mm	5g

10.036.444._		
	<b>Materialcode</b>	
	03 NR	
	<b>Halter Fitting</b>	<b>Gewinde Thread</b>
	130.207	1/4" AG
1.5mm	6.7g	

10.037.446._		
	<b>Materialcode</b>	
	03 NR	
	<b>Halter Fitting</b>	<b>Gewinde Thread</b>
	130.097 130.098	1/4" AG 1/4" IG
0mm	2.6g	

10.038.333._		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter Fitting</b>	<b>Gewinde Thread</b>
	130.097 130.451 130.452 130.521	1/4" AG 1/4" AG 1/4" IG 1/4" AG
1mm	4.5g	

10.038.437._		
	<b>Materialcode</b>	
	V Vinyl	
	<b>Halter Fitting</b>	<b>Gewinde Thread</b>
	130.049	1/4" AG
6mm	11.6g	



<b>10.038.449._</b>														
	<b>Materialcode</b> 05 Polyurethan													
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.041</td> <td>1/8" IG</td> </tr> <tr> <td>130.110</td> <td>1/8" IG</td> </tr> <tr> <td>130.197</td> <td>M5 AG</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 Fitting	Gewinde Thread	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
Halter Fitting	Gewinde Thread													
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													
<b>3.5mm</b>	<b>5.6g</b>													

<b>10.038.451._</b>				
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Halter Fitting	Gewinde Thread			
130.207	1/4" AG			
<b>2.5mm</b>	<b>8g</b>			

<b>10.038.553._</b>				
	<b>Materialcode</b> 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			
<b>5mm</b>	<b>2.6g</b>			

<b>10.039.452._</b>				
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Halter Fitting	Gewinde Thread			
130.210	1/4" AG			
<b>5mm</b>	<b>6.1g</b>			

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

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

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

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

10.040.101._										
	<b>Materialcode</b> 03 NR 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde 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>130.113</td> <td>1/4" AG</td> </tr> <tr> <td>130.178</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.019	1/8" IG	130.030	1/8" AG	130.113	1/4" AG	130.178
Halter Fitting	Gewinde Thread									
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._						
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Halter Fitting	Gewinde Thread					
130.250	1/8" AG					
130.291	1/8" AG					
2mm	4g					

10.040.125._				
	<b>Materialcode</b> 02 Silikon			
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Halter Fitting	Gewinde Thread			
5.5mm	3.5g			

10.040.144._												
	<b>Materialcode</b> 09 HNBR 05 Polyurethan 02 Silikon											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde 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>130.274</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 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
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											
3mm	7.6g											

10.040.181._				
	<b>Materialcode</b> 03 NR 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.049</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.049
Halter Fitting	Gewinde Thread			
130.049	1/4" AG			
	<table border="1"> <tbody> <tr> <td>4.5mm</td> <td>7.3g</td> </tr> </tbody> </table>	4.5mm	7.3g	
4.5mm	7.3g			

10.040.357._				
	<b>Materialcode</b> 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.049</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.049
Halter Fitting	Gewinde Thread			
130.049	1/4" AG			
	<table border="1"> <tbody> <tr> <td>4mm</td> <td>12.4g</td> </tr> </tbody> </table>	4mm	12.4g	
4mm	12.4g			

10.040.440._						
	<b>Materialcode</b> 03 NR 05 Polyurethan 02 Silikon					
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.252</td> <td>1/8" IG</td> </tr> <tr> <td>130.256</td> <td>M8 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.252	1/8" IG	130.256
Halter Fitting	Gewinde Thread					
130.252	1/8" IG					
130.256	M8 AG					
	<table border="1"> <tbody> <tr> <td>5mm</td> <td>5.1g</td> </tr> </tbody> </table>	5mm	5.1g			
5mm	5.1g					

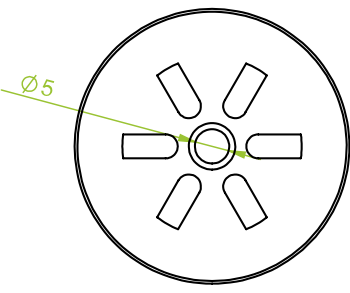
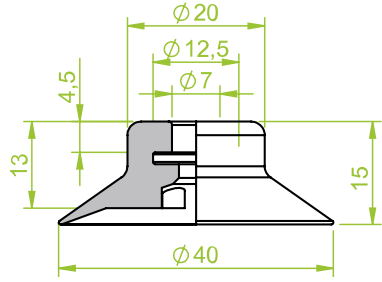


10.040.457._						
	<b>Materialcode</b> 03 NR 02 Silikon					
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Halter Fitting	Gewinde Thread					
130.049	1/4" AG					
130.609	1/4" AG					
	<table border="1"> <tbody> <tr> <td>2.5mm</td> <td>9.4g</td> </tr> </tbody> </table>	2.5mm	9.4g			
2.5mm	9.4g					

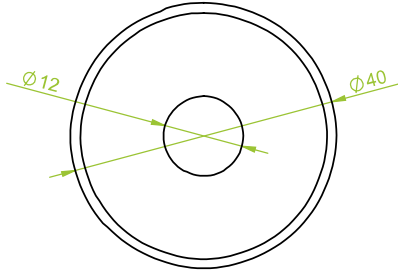
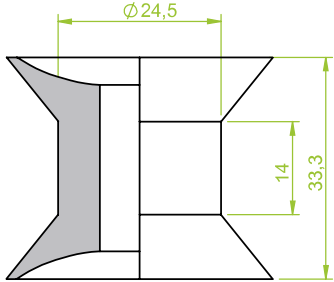


<b>10.040.459._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
130.049 130.609	1/4" AG 1/4" AG
5mm	12.2g

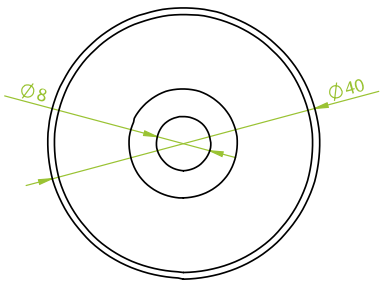
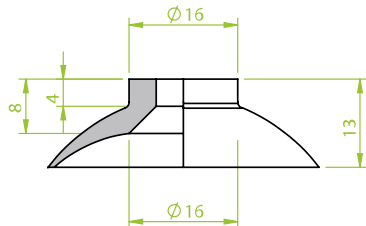


<b>10.040.461._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
130.012 130.020 130.034 130.038	1/8" AG 1/8" IG 1/4" AG 1/4" IG
2mm	5.4g

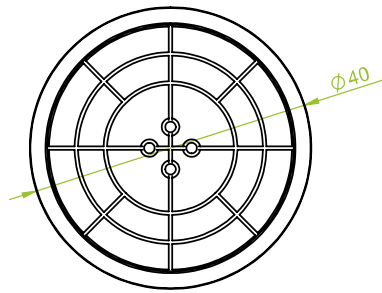
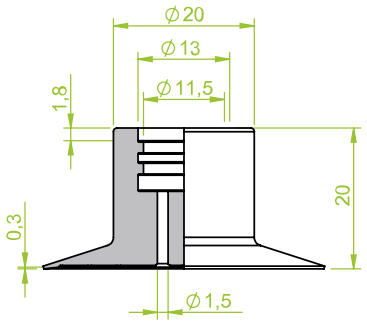


<b>10.040.462._</b>	
<b>Materialcode</b>	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
130.039 130.274 130.275 270.485 270.486 270.487 270.488	M6 AG 1/4" AG 1/4" IG 1/8" IG 1/8" AG 1/4" AG 1/4" IG
mm	0g

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

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

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

10.040.625._			
		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
			
			
		5.5mm	4.6g

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



10.040.674._					
	Materialcode				
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	Halter Fitting	Gewinde Thread			
<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td>2mm</td> <td>3.3g</td> </tr> </table>			2mm	3.3g	
2mm	3.3g				

10.040.692._					
	Materialcode				
	06 EPDM				
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	Halter Fitting	Gewinde Thread			
<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td>2mm</td> <td>6.8g</td> </tr> </table>			2mm	6.8g	
2mm	6.8g				

14.040.045._					
<b>vulkanisiert</b>					
	Materialcode				
	05 Polyurethan 02 Silikon				
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	Halter Fitting	Gewinde Thread			
<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td>3mm</td> <td>13.6g</td> </tr> </table>			3mm	13.6g	
3mm	13.6g				

10.041.673._					
	Materialcode				
	02 Silikon				
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	Halter Fitting	Gewinde Thread			
<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td>6.5mm</td> <td>6.1g</td> </tr> </table>			6.5mm	6.1g	
6.5mm	6.1g				

10.042.099._												
	<b>Materialcode</b> 05 Polyurethan 02 Silikon											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <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>130.275</td> <td>1/4" IG</td> </tr> <tr> <td>130.293</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.136	1/8" IG	130.251	1/8" IG	130.274	1/4" AG	130.275	1/4" IG	130.293
Halter Fitting	Gewinde Thread											
130.136	1/8" IG											
130.251	1/8" IG											
130.274	1/4" AG											
130.275	1/4" IG											
130.293	1/4" AG											
2mm	4.7g											

10.042.122._												
	<b>Materialcode</b> 04 CR 02 Silikon											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <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>130.275</td> <td>1/4" IG</td> </tr> <tr> <td>130.293</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.136	1/8" IG	130.251	1/8" IG	130.274	1/4" AG	130.275	1/4" IG	130.293
Halter Fitting	Gewinde Thread											
130.136	1/8" IG											
130.251	1/8" IG											
130.274	1/4" AG											
130.275	1/4" IG											
130.293	1/4" AG											
5mm	5.4g											

10.042.468._				
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Halter Fitting	Gewinde Thread			
3mm	14.8g			

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

<b>11.042.013._</b>				
	<b>Materialcode</b> 04 CR 02 Silikon			
	<table border="1"> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td></td> <td></td> </tr> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
4mm	11.2g			

<b>11.042.018._</b>				
	<b>Materialcode</b> 04 CR 02 Silikon			
	<table border="1"> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td></td> <td></td> </tr> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
2mm	6.4g			

<b>11.042.022._</b>				
	<b>Materialcode</b> 02 Silikon			
	<table border="1"> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td></td> <td></td> </tr> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
5mm	7.8g			

<b>10.043.469._</b>						
	<b>Materialcode</b> V Vinyl					
	<table border="1"> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td>130.061</td> <td>1/8" IG</td> </tr> <tr> <td>130.063</td> <td>1/8" AG</td> </tr> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.061	1/8" IG	130.063
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.061	1/8" IG					
130.063	1/8" AG					
5mm	3.6g					

10.043.470._			
		Materialcode	
		03 NR	
Halter Fitting	Gewinde Thread		
130.116	1/4" IG		
7mm	12g		

10.044.615._			
		Materialcode	
Halter Fitting	Gewinde Thread		
2.5mm	7g		

10.044.664._			
		Materialcode	
		02 Silikon	
Halter Fitting	Gewinde Thread		
7mm	6.7g		

10.045.083._			
		Materialcode	
		03 NR 02 Silikon	
Halter Fitting	Gewinde Thread		
130.175 130.451 130.452	1/4" AG 1/4" AG 1/4" IG		
7mm	6.4g		

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

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

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

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

10.048.479._		Materialcode	
		03 NR	
		Halter Fitting	Gewinde Thread
		130.114 130.132 130.178 130.208	1/8" IG 1/8" AG 1/4" IG 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._																		
	<b>Materialcode</b> 09 HNBR 05 Polyurethan 02 Silikon																	
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	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 Fitting	Gewinde Thread																	
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._																		
	<b>Materialcode</b> 02 Silikon																	
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde 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>130.274</td> <td>1/4" AG</td> </tr> <tr> <td>130.275</td> <td>1/4" IG</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 Fitting	Gewinde Thread	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
Halter Fitting	Gewinde Thread																	
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._										
	<b>Materialcode</b> 03 NR 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.043	1/4" AG	130.114	1/8" IG	130.178	1/4" IG	130.248
Halter Fitting	Gewinde Thread									
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._				
	<b>Materialcode</b> 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.235</td> <td>1/8" IG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.235
Halter Fitting	Gewinde Thread			
130.235	1/8" IG			
2mm	5g			



10.050.485._		Materialcode	
		Halter Fitting	
		Gewinde Thread	
		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 Fitting	
		Gewinde Thread	
10mm		14.2g	

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

14.050.017._		vulkanisiert	
		Materialcode	
		Halter Fitting	
		Gewinde Thread	
5mm		15g	

10.052.123._																		
	<b>Materialcode</b> 02 Silikon 12 verstärktes Silikon																	
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	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 Fitting	Gewinde Thread																	
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._								
	<b>Materialcode</b> 03 NR							
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.177	M10 AG	130.451	1/4" AG	130.452
Halter Fitting	Gewinde Thread							
130.177	M10 AG							
130.451	1/4" AG							
130.452	1/4" IG							
6mm	14.7g							

11.052.014._				
	<b>Materialcode</b> 04 CR 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			
6.5mm	23.8g			

11.052.023._				
	<b>Materialcode</b> 02 Silikon 12 verstärktes 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			
6.5mm	28.8g			

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

11.053.008._			
		<b>Materialcode</b>	
		04 CR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
2.5mm	24g		

11.053.019._			
		<b>Materialcode</b>	
		04 CR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
2.5mm	20.7g		

11.053.027._				
	<b>Materialcode</b> 04 CR 02 Silikon			
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Halter Fitting	Gewinde Thread			
9mm	29g			

11.053.030._				
	<b>Materialcode</b> 04 CR 02 Silikon			
	<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			
9mm	19g			

13.053.012._		<b>vulkanisiert</b>		
	<b>Materialcode</b> 03 NR 12 verstärktes Silikon			
	<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			
3mm	23g			

14.053.003._		<b>vulkanisiert</b>		
	<b>Materialcode</b> 03 NR 12 verstärktes Silikon			
	<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			
3mm	19.6g			

10.055.493._			
	Materialcode		
	Halter Fitting	Gewinde Thread	
6mm	10g		

10.055.494._			
	Materialcode		
	03 NR 05 Polyurethan		
	Halter Fitting	Gewinde Thread	
130.184	1/4" AG		
6mm	12.5g		

14.055.046._		<b>vulkanisiert</b>	
	Materialcode		
	05 Polyurethan 02 Silikon		
	Halter Fitting	Gewinde Thread	
3.5mm	0g		

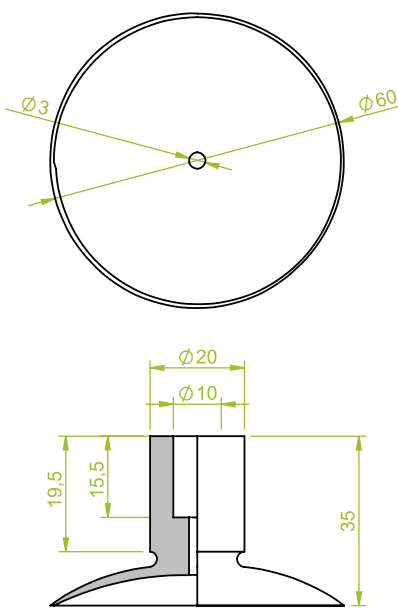


10.056.501._			
	Materialcode		
	03 NR 02 Silikon		
	Halter Fitting	Gewinde Thread	
25mm	10.2g		

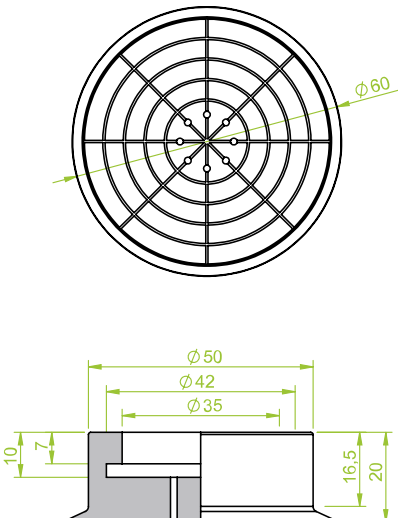


<b>10.057.502._</b>													
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Materialcode													
03 NR													
Halter Fitting	Gewinde Thread												
6mm	13.2g												

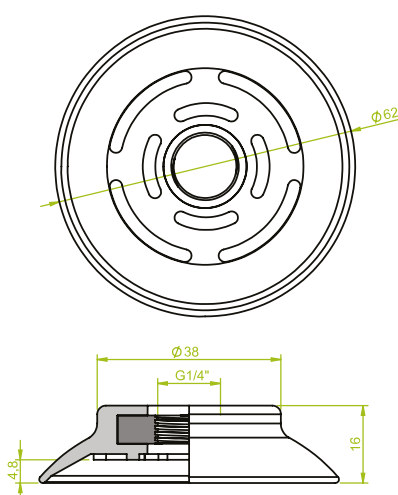


<b>10.060.053._</b>													
		<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">05 Polyurethan 02 Silikon</td> </tr> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.176</td> <td>1/4" AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>2.5mm</td> <td>21g</td> </tr> </table>		Materialcode		05 Polyurethan 02 Silikon		Halter Fitting	Gewinde Thread	130.176	1/4" AG		
Materialcode													
05 Polyurethan 02 Silikon													
Halter Fitting	Gewinde Thread												
130.176	1/4" AG												
2.5mm	21g												

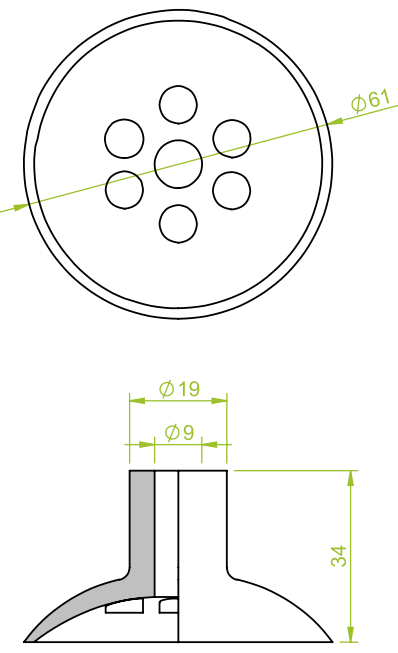


<b>10.060.085._</b>													
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Materialcode													
02 Silikon													
Halter Fitting	Gewinde Thread												
130.176 130.184	1/4" AG 1/4" AG												
9mm	15.2g												

<b>10.060.359._</b>													
		<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">03 NR 02 Silikon</td> </tr> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.049</td> <td>1/4" AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>10mm</td> <td>22.6g</td> </tr> </table>		Materialcode		03 NR 02 Silikon		Halter Fitting	Gewinde Thread	130.049	1/4" AG		
Materialcode													
03 NR 02 Silikon													
Halter Fitting	Gewinde Thread												
130.049	1/4" AG												
10mm	22.6g												

<b>10.060.503._</b>	
	
<b>Materialcode</b>	
03 NR 02 Silikon V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.177 130.193	M10 AG 1/4" AG
	
5mm	19.1g

<b>10.060.628._</b>	
	
<b>Materialcode</b>	
03 NR	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.528	1/4" IG
	
0.25mm	30.7g

<b>13.060.006._</b>	
<b>vulkanisiert</b>	
	
<b>Materialcode</b>	
05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.090 130.176 130.191	1/4" AG 1/4" AG 1/4" AG
	
5mm	15.2g

<b>10.061.480._</b>	
	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.208	1/4" AG
	
mm	0g



<b>10.061.508._</b>				
	<b>Materialcode</b> V Vinyl			
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.116</td> <td>1/4" IG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.116
Halter Fitting	Gewinde Thread			
130.116	1/4" IG			
2.5mm	22g			

<b>10.063.509._</b>				
	<b>Materialcode</b> 04 CR			
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.116</td> <td>1/4" IG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.116
Halter Fitting	Gewinde Thread			
130.116	1/4" IG			
6.5mm	24g			

<b>10.065.161._</b>				
	<b>Materialcode</b> 03 NR 02 Silikon			
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.049</td> <td>1/4" AG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.049
Halter Fitting	Gewinde Thread			
130.049	1/4" AG			
5mm	17g			

<b>10.065.477._</b>				
	<b>Materialcode</b> 03 NR 02 Silikon			
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.049</td> <td>1/4" AG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.049
Halter Fitting	Gewinde Thread			
130.049	1/4" AG			
3mm	17g			

10.065.496._			
		Materialcode	
		03 NR 02 Silikon	
Halter Fitting	Gewinde Thread		
130.263 130.264	M12 IG 1/4" IG		
		3mm	21g

10.065.670._			
		Materialcode	
Halter Fitting	Gewinde Thread		
		5mm	9.5g

10.065.687._			
		Materialcode	
		03 NR	
Halter Fitting	Gewinde Thread		
		8mm	17.3g

12.065.001._			
		Materialcode	
		03 NR 02 Silikon	
Halter Fitting	Gewinde Thread		
		7mm	50g

<b>10.066.517._</b>		
	<b>Materialcode</b>	
	03 NR 02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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
<b>0.5mm</b>	<b>15g</b>	

<b>10.068.520._</b>		
	<b>Materialcode</b>	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
<b>10mm</b>	<b>40.8g</b>	

<b>10.070.023._</b>		
	<b>Materialcode</b>	
	03 NR 10 S BR 12 verstärktes Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.179	1/4" IG
<b>6mm</b>	<b>32g</b>	

<b>10.070.521._</b>		
	<b>Materialcode</b>	
	03 NR	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
<b>12mm</b>	<b>20g</b>	

<b>10.070.522._</b>		
	<b>Materialcode</b>	
	03 NR	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
6mm	10g	

<b>10.070.680._</b>		
	<b>Materialcode</b>	
	03 NR	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
6mm	10g	

<b>15.070.024._</b>		
<b>vulkanisiert</b>		
	<b>Materialcode</b>	
	03 NR	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
10mm	50g	

<b>10.075.117._</b>		
	<b>Materialcode</b>	
	04 CR 05 Polyurethan 02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
2mm	24g	

<b>10.075.524._</b>					
	<b>Materialcode</b> 03 NR 02 Silikon				
	<table border="1"> <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> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.049	1/4" AG
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
	130.049	1/4" AG			
<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td>3.5mm</td> <td>36.5g</td> </tr> </table>			3.5mm	36.5g	
3.5mm	36.5g				

<b>10.075.525._</b>					
	<b>Materialcode</b> 03 NR				
	<table border="1"> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td></td> <td></td> </tr> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td>3mm</td> <td>38g</td> </tr> </table>			3mm	38g	
3mm	38g				

<b>10.075.711._</b>					
	<b>Materialcode</b> 02 Silikon				
	<table border="1"> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td></td> <td></td> </tr> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td>0.5mm</td> <td>24g</td> </tr> </table>			0.5mm	24g	
0.5mm	24g				

<b>11.075.009._</b>					
	<b>Materialcode</b> 04 CR 05 Polyurethan 02 Silikon				
	<table border="1"> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td></td> <td></td> </tr> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td>2mm</td> <td>92g</td> </tr> </table>			2mm	92g	
2mm	92g				

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
		4mm	97.5g			6mm	44g

13.075.066._		vulkanisiert	
		Materialcode	
		03 NR	
		Halter Fitting	Gewinde Thread
		3mm	35g

13.075.069.\_ vulkanisiert

		Materialcode	
		Halter Fitting	Gewinde Thread
		4mm	44.5g

14.075.004.\_ vulkanisiert

		Materialcode	
		Halter Fitting	Gewinde Thread
		4mm	77.4g

14.075.047.\_ vulkanisiert

		Materialcode	
		Halter Fitting	Gewinde Thread
		3.5mm	43.2g

10.076.526.\_

		Materialcode	
		Halter Fitting	Gewinde Thread
		9mm	25g



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.\_**

	<b>Materialcode</b>	
	03 NR	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.042	1/4" AG
	11mm	53g

**10.080.629.\_**

	<b>Materialcode</b>	
	03 NR	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.528	1/4" IG
	0.25mm	32.8g



**10.080.669.\_**



	<b>Materialcode</b>	
	03 NR	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.114	1/8" IG
	8mm	22.8g

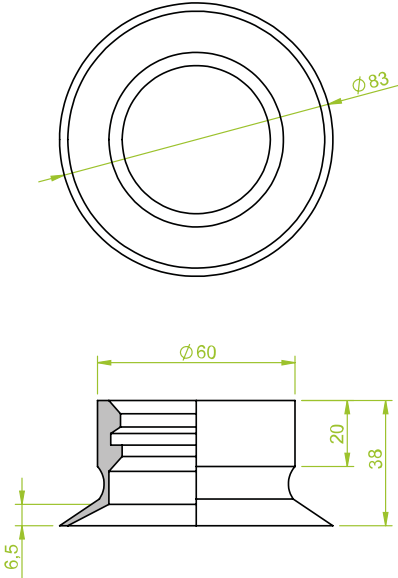
**13.080.007.\_**



**vulkanisiert**

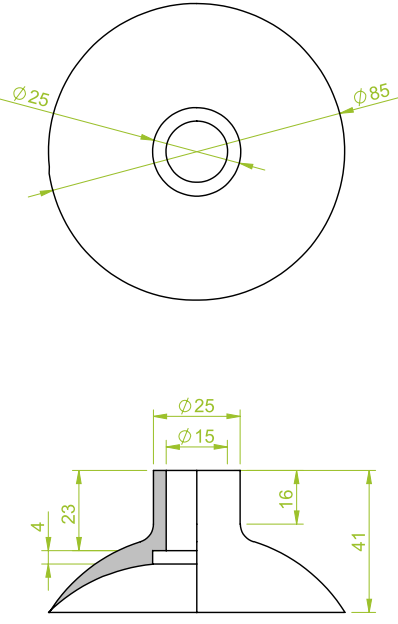
	<b>Materialcode</b>	
	07 FKM 05 Polyurethan 02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.090	1/4" AG
	6mm	52.8g



<b>10.080.0361._</b>	
<b>Materialcode</b>	
VU VU	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
mm	0g

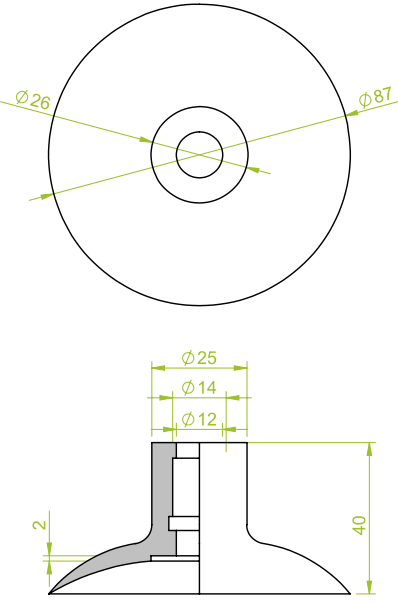
<b>10.083.334._</b>	
<b>Materialcode</b>	
05 Polyurethan	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
1mm	32.8g



<b>10.085.086._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
12mm	33g



<b>10.087.538._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
9mm	35g



10.087.539._		
	Materialcode	
	03 NR 02 Silikon	
	Halter Fitting	Gewinde Thread
	130.216	1/4" AG
11mm	42g	

10.090.511._		
	Materialcode	
	Halter Fitting	Gewinde Thread
	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._		
<b>vulkanisiert</b>		
	Materialcode	
	Halter Fitting	Gewinde Thread
13mm	93g	

10.095.540._		
	Materialcode	
	Halter Fitting	Gewinde Thread
0mm	14g	

13.095.008._		<b>vulkanisiert</b>	
		<b>Materialcode</b>	
		05 Polyurethan 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		130.090 130.191	1/4" AG 1/4" AG
		6mm	92g

13.096.014._		<b>vulkanisiert</b>	
		<b>Materialcode</b>	
		03 NR	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		8mm	105g

14.096.005._		<b>vulkanisiert</b>	
		<b>Materialcode</b>	
		09 HNBR 03 NR	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		8mm	101.3g

**10.100.096.\_**

Materialcode	
03 NR	
Halter Fitting	Gewinde Thread
130.180	1/4" IG
5mm	68g

**10.100.393.\_**

Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
130.049	1/4" AG
13mm	75g

**13.100.018.\_**

**vulkanisiert**

Materialcode	
03 NR 02 Silikon	
Halter Fitting	Gewinde Thread
10mm	83g

13.100.029._		<b>vulkanisiert</b>	
		<b>Materialcode</b>	
		03 NR 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		13mm	83g

14.100.048._		<b>vulkanisiert</b>	
		<b>Materialcode</b>	
		05 Polyurethan 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		3.5mm	135g



10.104.667._		
	Materialcode	
	02 Silikon	
	Halter Fitting	Gewinde Thread
10mm	61.4g	

10.105.549._		
	Materialcode	
	03 NR 02 Silikon	
	Halter Fitting	Gewinde Thread
8.5mm	27g	

13.106.023._		vulkanisiert
	Materialcode	
	Halter Fitting	Gewinde Thread
	8mm	253g

11.107.033._		<b>Materialcode</b>	
		06 EPDM	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		1mm	245g

13.109.022._		<b>vulkanisiert</b>		10.110.118._		<b>Materialcode</b>	
		V Vinyl				04 CR 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>			<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		8mm	114g			5mm	74g

11.110.010.\_

Materialcode	
04 CR 05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
5mm	227g

13.110.040.\_ vulkanisiert

Materialcode	
03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
7mm	330g

14.112.001.\_ vulkanisiert

Materialcode	
03 NR 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
11mm	120g

14.112.002.\_ vulkanisiert

Materialcode	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
11mm	120g

<b>10.120.702._</b>	
03 NR	
Halter Fitting	Gewinde Thread
3mm	55.4g

<b>11.120.044._</b>	
02 Silikon	
Halter Fitting	Gewinde Thread
5mm	591g

<b>13.120.009._</b>	
05 Polyurethan 02 Silikon	
Halter Fitting	Gewinde Thread
5mm	250g

**vulkanisiert**

<b>10.135.146._</b>	
03 NR	
Halter Fitting	Gewinde Thread
2.5mm	113g

13.140.064.\_

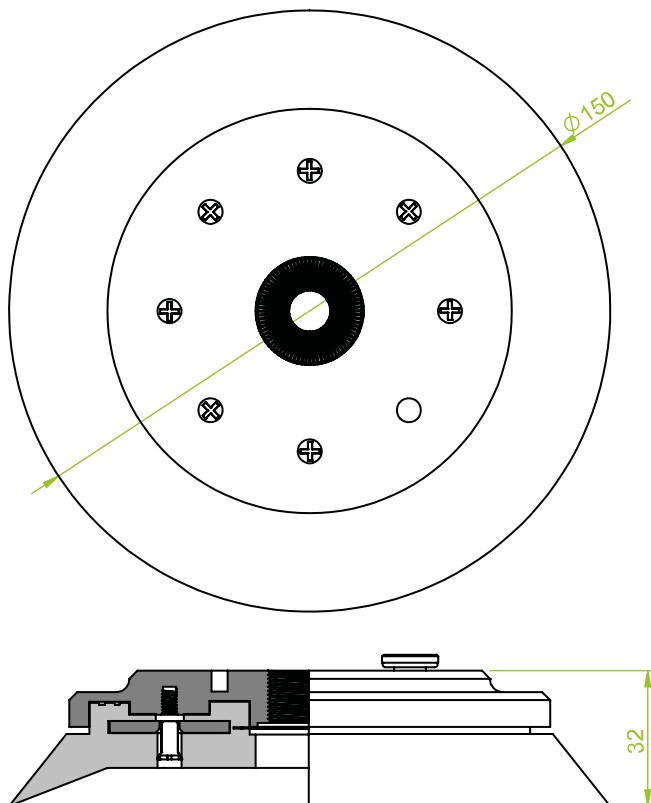
vulkanisiert

Materialcode	
03 NR	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
1.5mm	175.4g

10.150.119.\_

Materialcode	
04 CR 05 Polyurethan	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
5mm	199g

11.150.011.\_



Materialcode

04 CR  
02 Silikon

Halter  
Fitting

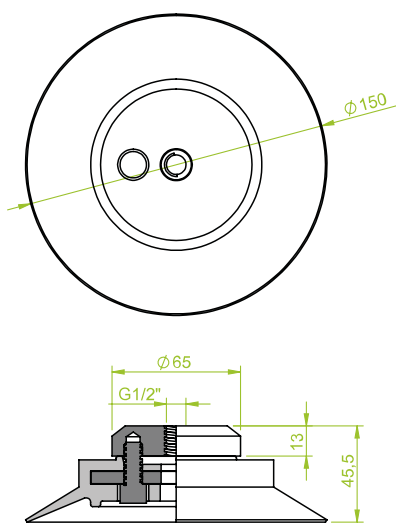
Gewinde  
Thread



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

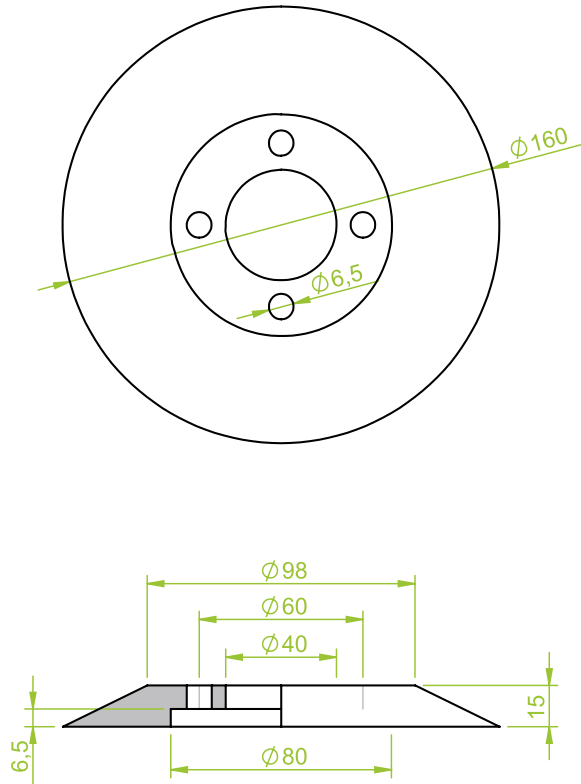
Materialcode	
04 CR 02 Silikon	
Halter Fitting	Gewinde Thread
10mm	284g



13.150.054._		vulkanisiert		10.152.561._	
		Materialcode		Materialcode	
		09 HNBR		20 TPU	
		Halter Fitting	Gewinde Thread	Halter Fitting	Gewinde Thread
		5mm	310g	9mm	99g

11.152.039._		10.160.013._			
		Materialcode		Materialcode	
		V Vinyl		02 Silikon	
		Halter Fitting	Gewinde Thread	Halter Fitting	Gewinde Thread
		9mm	138g	4.5mm	211g

10.160.014.\_



Materialcode

02 Silikon

Halter  
Fitting

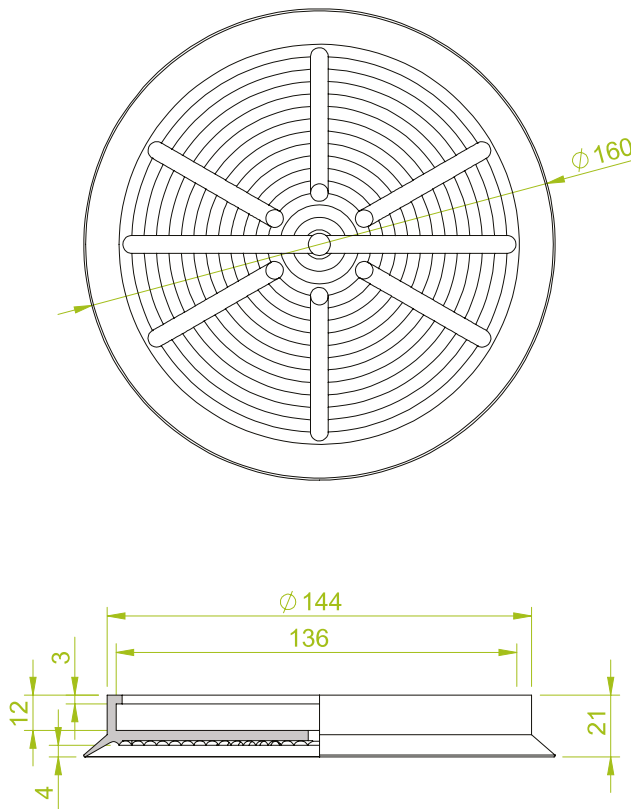
Gewinde  
Thread



0mm

180g

10.160.563.\_



Materialcode

02 Silikon

Halter  
Fitting

Gewinde  
Thread



4.7mm

148g

10.160.593.\_

	<b>Materialcode</b>	
	03 NR	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	<b>7mm</b>	<b>143g</b>

13.191.011.\_

**vulkanisiert**

	<b>Materialcode</b>	
	05 Polyurethan 02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	<b>12mm</b>	<b>839g</b>

**10.200.026.\_**

Materialcode	
03 NR 02 Silikon	
Halter Fitting	Gewinde Thread
130.335	1/2" IG
5mm	200g

**13.200.068.\_** vulkanisiert

Materialcode	
03 NR	
Halter Fitting	Gewinde Thread
1mm	850g

**13.225.020.\_** vulkanisiert

Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
8mm	840g

10.240.607._		
	Materialcode	
	03 NR	
	Halter Fitting	Gewinde Thread
8mm	296.4g	



13.252.059._		<b>vulkanisiert</b>
	Materialcode	
	03 NR	
	Halter Fitting	Gewinde Thread
6mm	2168.7g	

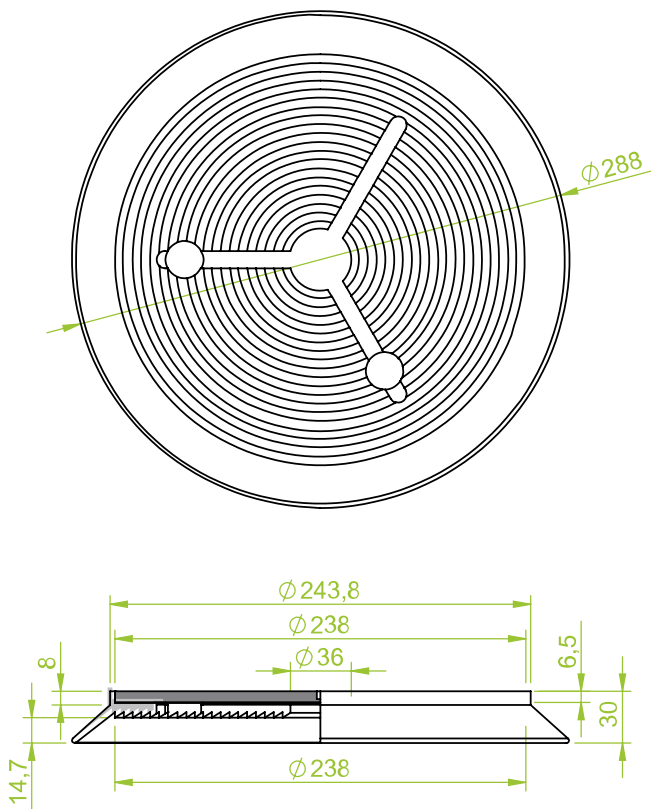


15.252.038.\_ vulkanisiert

	Materialcode	
	Halter Fitting	Gewinde Thread
mm	0g	

13.282.058.\_ vulkanisiert

	Materialcode	
	06 EPDM	
	Halter Fitting	Gewinde Thread
15mm	1600g	

13.288.062._		vulkanisiert	
		Materialcode	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
		9mm	2886g

15.288.032._		vulkanisiert	
		Materialcode	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
		12mm	2914g



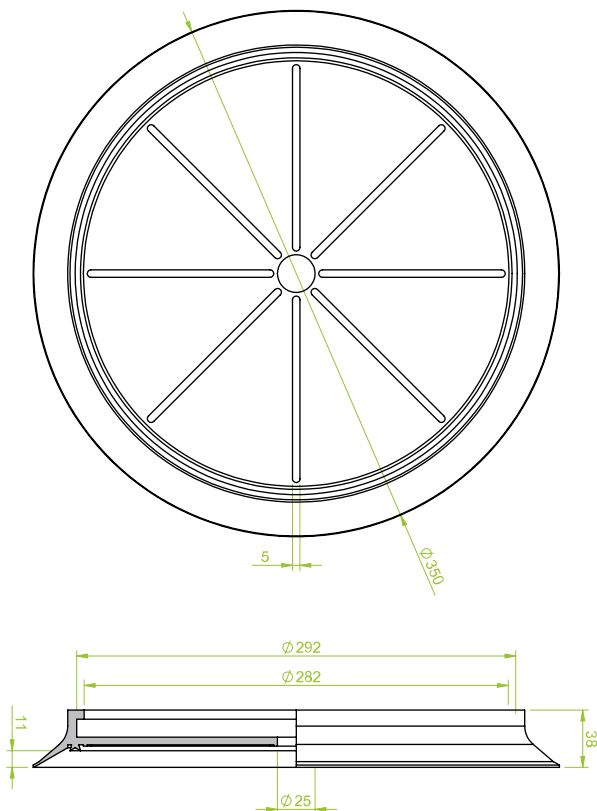
15.288.033.\_ vulkanisiert

Materialcode	
12 verstärktes Silikon	
Halter Fitting	Gewinde Thread
12mm	2580g

13.300.021.\_ vulkanisiert

Materialcode	
04 CR 02 Silikon	
Halter Fitting	Gewinde Thread
17mm	1840g

10.350.097.\_



Materialcode

03 NR

Halter  
Fitting

Gewinde  
Thread

130.337

1/2" IG

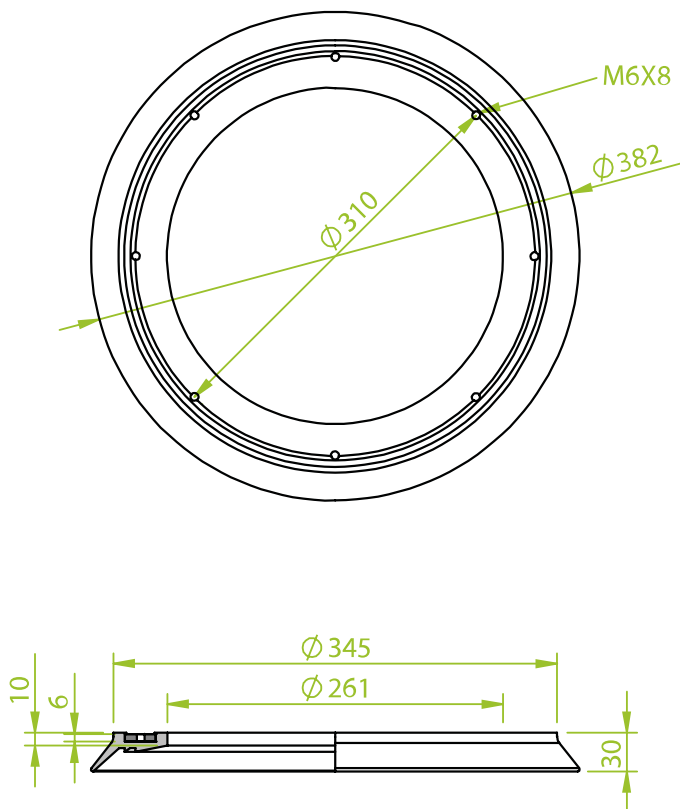


12mm

672g

13.382.065.\_

vulkanisiert



Materialcode

12 verstärktes Silikon

Halter  
Fitting

Gewinde  
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.\_

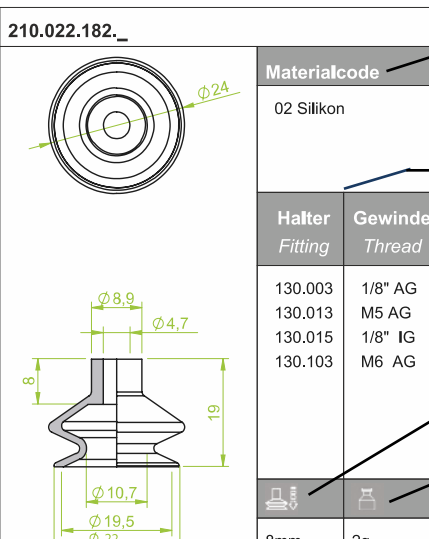
**Example:** Balgensauger ohne Anschlussstück Ø 22 mm, verfügbar in dem Material Silikon | *Bellow suction cups without fitting Ø 22 mm, available in the material silicone.*

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.

210.022.182.\_



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
8mm	2g

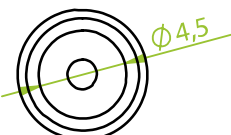
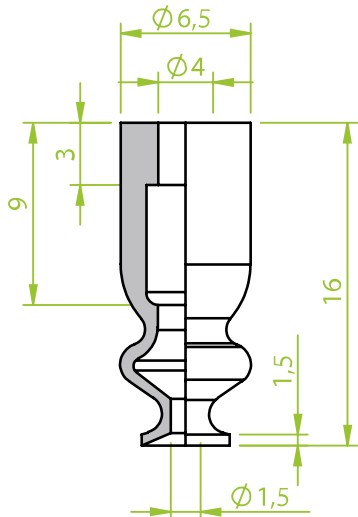


Ergänzung zur Art.Nr. Bei Bestellung  
*Supplement to the NO. When ordering*


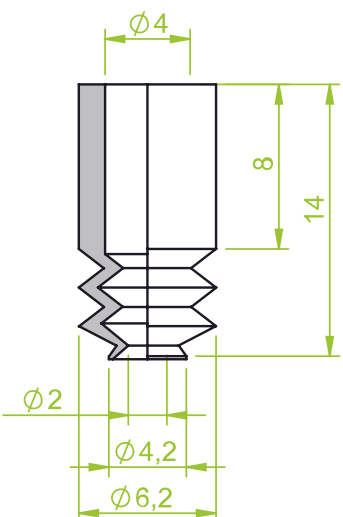


Passendes Befestigungselement  
*Suitable mounting element*

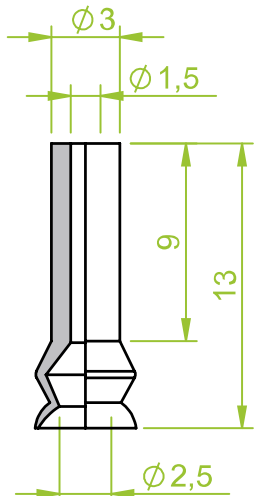


Hub / Travel

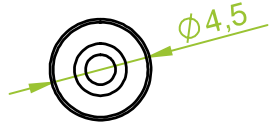
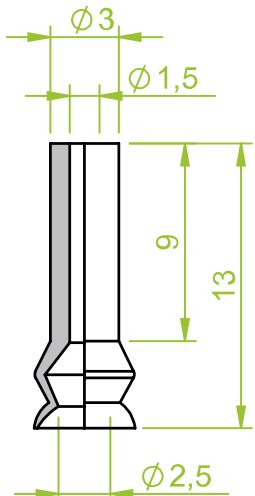


Gewicht / Weight

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

210.004.073._	
	
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
130.033	1/8" AG
130.104	M6 AG
130.134	M5 AG
	
 4mm	 1g

220.004.042._	
	
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
130.033	1/8" AG
130.104	M6 AG
130.134	M5 AG
	
 3mm	 0.3g

220.004.135._	
Materialcode	
V Vinyl	
Halter Fitting	Gewinde Thread
130.001	M5 AG
130.195	M5 AG
	
 2mm	 0.8g

210.005.027._	
	
Materialcode	
V Vinyl	
Halter Fitting	Gewinde Thread
130.001	M5 AG
130.195	M5 AG
	
 2mm	 0.8g

<b>210.005.028._</b>						
	<b>Materialcode</b> 07 FKM 05 Polyurethan 02 Silikon					
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.001</td> <td>M5 AG</td> </tr> <tr> <td>130.195</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.001	M5 AG	130.195
Halter Fitting	Gewinde Thread					
130.001	M5 AG					
130.195	M5 AG					
2mm	1g					

<b>220.005.017._</b>								
	<b>Materialcode</b> 04 CR 06 EPDM 07 FKM 09 HNBR							
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.033	1/8" AG	130.104	M6 AG	130.134
Halter Fitting	Gewinde Thread							
130.033	1/8" AG							
130.104	M6 AG							
130.134	M5 AG							
3mm	0.3g							

<b>220.005.034._</b>										
	<b>Materialcode</b> 04 CR 07 FKM 09 HNBR 03 NR									
	<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>130.007</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 Fitting	Gewinde Thread	130.005	M5 IG	130.007	1/8" IG	130.009	1/8" AG	130.010
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									

<b>220.005.043._</b>												
	<b>Materialcode</b> 02 Silikon											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.003	1/8" AG	130.005	M5 IG	130.013	M5 AG	130.015	1/8" IG	130.103
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											

220.005.044._			
		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.033	1/8" AG		
130.104	M6 AG		
130.134	M5 AG		
3mm	0.4g		

220.005.118._			
		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.033	1/8" AG		
130.104	M6 AG		
130.134	M5 AG		
3mm	0.3g		

210.006.074._			
		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.009	1/8" AG		
130.200	M5 AG		
130.301	M5 AG		
5mm	0.2g		

210.006.075._			
		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.064	1/8" AG		
130.065	1/8" IG		
130.200	M5 AG		
5mm	0.7g		

<b>210.006.219._</b>								
	<b>Materialcode</b> 02 Silikon							
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Halter Fitting	Gewinde Thread							
130.009	1/8" AG							
130.200	M5 AG							
130.301	M5 AG							
5mm	0.2g							

<b>220.006.032._</b>												
	<b>Materialcode</b> 07 FKM 09 HNBR 03 NR 05 Polyurethan											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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>130.024</td> <td>M5 AG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.204</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.003	1/8" AG	130.015	1/8" IG	130.024	M5 AG	130.103	M6 AG	130.204
Halter Fitting	Gewinde Thread											
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											

<b>220.006.033._</b>				
	<b>Materialcode</b> 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.003</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.003
Halter Fitting	Gewinde Thread			
130.003	1/8" AG			
3.5mm	0.4g			

<b>220.006.125._</b>																		
	<b>Materialcode</b> 09 HNBR 05 Polyurethan 02 Silikon																	
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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>130.024</td> <td>M5 AG</td> </tr> <tr> <td>130.033</td> <td>1/8" AG</td> </tr> <tr> <td>130.103</td> <td>M6 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>130.204</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	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
Halter Fitting	Gewinde Thread																	
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																	



220.006.127._														
	<b>Materialcode</b> 02 Silikon													
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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>130.024</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> </tbody> </table>	Halter Fitting	Gewinde Thread	130.003	1/8" AG	130.015	1/8" IG	130.024	M5 AG	130.033	1/8" AG	130.104	M6 AG	130.134
Halter Fitting	Gewinde Thread													
130.003	1/8" AG													
130.015	1/8" IG													
130.024	M5 AG													
130.033	1/8" AG													
130.104	M6 AG													
130.134	M5 AG													
3.5mm	0.4g													

210.007.076._				
	<b>Materialcode</b> V Vinyl			
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Halter Fitting	Gewinde Thread			
130.001	M5 AG			
1.5mm	0.2g			

210.007.077._										
	<b>Materialcode</b> 09 HNBR 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.087</td> <td>1/8" AG</td> </tr> <tr> <td>130.103</td> <td>M6 AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.317</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.087	1/8" AG	130.103	M6 AG	130.104	M6 AG	130.317
Halter Fitting	Gewinde Thread									
130.087	1/8" AG									
130.103	M6 AG									
130.104	M6 AG									
130.317	M5 AG									
2mm	0.6g									

210.007.168._				
	<b>Materialcode</b> 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.134</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.134
Halter Fitting	Gewinde Thread			
130.134	M5 AG			
1mm	0.3g			

220.007.007._												
	<b>Materialcode</b> 04 CR 06 EPDM 09 HNBR 03 NR											
	<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>130.007</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 Fitting	Gewinde Thread	130.005	M5 IG	130.007	1/8" IG	130.009	1/8" AG	130.010	M5 AG	130.613
Halter Fitting	Gewinde Thread											
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._						
	<b>Materialcode</b> 07 FKM 09 HNBR 05 Polyurethan 02 Silikon					
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.013	M5 AG	130.134
Halter Fitting	Gewinde Thread					
130.013	M5 AG					
130.134	M5 AG					
3mm	0.5g					

210.008.010._						
	<b>Materialcode</b> 07 FKM 09 HNBR 03 NR 05 Polyurethan					
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.153	M5 AG	130.591
Halter Fitting	Gewinde Thread					
130.153	M5 AG					
130.591	M5 AG					
3.5mm	0.2g					

210.008.078._								
	<b>Materialcode</b> 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.064	1/8" AG	130.065	1/8" IG	130.200
Halter Fitting	Gewinde Thread							
130.064	1/8" AG							
130.065	1/8" IG							
130.200	M5 AG							
5mm	0.9g							

210.008.079._								
	<b>Materialcode</b> 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>130.104</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>	130.014	M3 AG	130.104	M6 AG	130.134
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.014	M3 AG							
130.104	M6 AG							
130.134	M5 AG							
3.5mm	0.4g							

210.008.160._								
	<b>Materialcode</b> 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.009</td> <td>1/8" AG</td> </tr> <tr> <td>130.301</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>	130.009	1/8" AG	130.301	M5 AG	130.613
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.009	1/8" AG							
130.301	M5 AG							
130.613	M5 AG							
3mm	0.2g							

220.008.025._														
	<b>Materialcode</b> 06 EPDM 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>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>130.613</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	130.613
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													
130.613	M5 AG													
4mm	1g													

210.009.166._				
	<b>Materialcode</b> 07 FKM 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>130.134</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.134
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.134	M5 AG			
3mm	0.3g			

<b>210.009.197._</b>										
	<b>Materialcode</b> 05 Polyurethan									
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Halter Fitting	Gewinde Thread									
130.033	1/8" AG									
130.104	M6 AG									
130.134	M5 AG									
130.317	M5 AG									
1.5mm	0.6g									

<b>210.009.202._</b>				
	<b>Materialcode</b> 130.153			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>M5 AG</td> <td></td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	M5 AG
Halter Fitting	Gewinde Thread			
M5 AG				
mm	0g			

<b>220.009.015._</b>												
	<b>Materialcode</b> 04 CR 06 EPDM 07 FKM 09 HNBR											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.003	1/8" AG	130.013	M5 AG	130.015	1/8" IG	130.103	M6 AG	130.539
Halter Fitting	Gewinde Thread											
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											

<b>220.009.045._</b>										
	<b>Materialcode</b> 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.003	1/8" AG	130.013	M5 AG	130.015	1/8" IG	130.103
Halter Fitting	Gewinde Thread									
130.003	1/8" AG									
130.013	M5 AG									
130.015	1/8" IG									
130.103	M6 AG									
3.5mm	0.6g									

220.009.105._			
		<b>Materialcode</b>	
		09 HNBR 03 NR 05 Polyurethan 02 Silikon	
<b>Halter</b>	<b>Gewinde</b>		
<i>Fitting</i>	<i>Thread</i>		
130.003	1/8" AG		
130.015	1/8" IG		
130.103	M6 AG		
130.134	M5 AG		
2mm	0.6g		

210.010.008._			
		<b>Materialcode</b>	
		04 CR 09 HNBR 03 NR 05 Polyurethan	
<b>Halter</b>	<b>Gewinde</b>		
<i>Fitting</i>	<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		
4mm	0.7g		

210.010.036._			
		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b>	<b>Gewinde</b>		
<i>Fitting</i>	<i>Thread</i>		
130.104	M6 AG		
130.134	M5 AG		
4.5mm	0.8g		

210.010.080._			
		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b>	<b>Gewinde</b>		
<i>Fitting</i>	<i>Thread</i>		
130.003	1/8" AG		
130.064	1/8" AG		
130.065	1/8" IG		
130.200	M5 AG		
mm	0g		

<b>210.010.081._</b>	
<b>Materialcode</b>	
04 CR 09 HNBR 03 NR 05 Polyurethan	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.094 130.310	M5 AG M5 AG
2.5mm	1g

<b>210.010.184._</b>	
<b>Materialcode</b>	
05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.604 130.605 130.606	M5 AG 1/8" AG 1/4" AG
3.5mm	1.8g

<b>210.010.805._</b>	
<b>Materialcode</b>	
05 Polyurethan	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.134	M5 AG
5.5mm	1.36g

<b>220.010.014._</b>	
<b>Materialcode</b>	
07 FKM 05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.003 130.005 130.013 130.103 130.109 130.134	1/8" AG M5 IG M5 AG M6 AG 1/8" IG M5 AG
4mm	0.6g

220.010.019._																
	<b>Materialcode</b> 02 Silikon															
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 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	130.109	1/8" IG	130.238
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															
130.109	1/8" IG															
130.238	1/8" AG															
4mm	0.6g															

220.010.020._				
	<b>Materialcode</b> V Vinyl			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.001</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.001
Halter Fitting	Gewinde Thread			
130.001	M5 AG			
8mm	0.4g			

220.010.021._										
	<b>Materialcode</b> 09 HNBR 03 NR 05 Polyurethan 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.013	M5 AG	130.103	M6 AG	130.109	1/8" IG	130.238
Halter Fitting	Gewinde Thread									
130.013	M5 AG									
130.103	M6 AG									
130.109	1/8" IG									
130.238	1/8" AG									
3mm	0.6g									

220.010.029._												
	<b>Materialcode</b> V Vinyl											
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Halter Fitting	Gewinde Thread											
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											



<b>220.010.047._</b>										
	<b>Materialcode</b> 02 Silikon									
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Halter Fitting	Gewinde Thread									
130.094	M5 AG									
130.095	1/8" AG									
130.096	1/8" IG									
130.103	M6 AG									
4mm	0.4g									

<b>220.010.048._</b>				
	<b>Materialcode</b> V Vinyl			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>270.541</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	270.541
Halter Fitting	Gewinde Thread			
270.541	1/8" AG			
mm	0g			

<b>220.010.096._</b>												
	<b>Materialcode</b> 12 verstärktes Silikon											
	<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>130.013</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 Fitting	Gewinde Thread	130.005	M5 IG	130.013	M5 AG	130.103	M6 AG	130.109	1/8" IG	130.238
Halter Fitting	Gewinde Thread											
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											

<b>220.010.124._</b>										
	<b>Materialcode</b> 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.013	M5 AG	130.103	M6 AG	130.109	1/8" IG	130.238
Halter Fitting	Gewinde Thread									
130.013	M5 AG									
130.103	M6 AG									
130.109	1/8" IG									
130.238	1/8" AG									
4mm	0.8g									

220.010.126._	
<b>Materialcode</b>	
05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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._	
<b>Materialcode</b>	
09 HNBR 03 NR 05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
3mm	0.6g

222.010.001._	
<b>Materialcode</b>	
09 HNBR 03 NR 05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.013 130.103 130.109	M5 AG M6 AG 1/8" IG
3mm	0.6g

240.010.011._	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.005 130.007 130.009 130.010	M5 IG 1/8" IG 1/8" AG M5 AG
4mm	2g

<b>240.010.028._</b>										
	<b>Materialcode</b> 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>130.013</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									
<b>7mm</b>	<b>0.7g</b>									

<b>210.011.001._</b>										
	<b>Materialcode</b> 04 CR 07 FKM 09 HNBR 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>130.015</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> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.015	1/8" IG	130.104	M6 AG	130.134
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.003	1/8" AG									
130.015	1/8" IG									
130.104	M6 AG									
130.134	M5 AG									
<b>5mm</b>	<b>0.8g</b>									

<b>210.011.018._</b>												
	<b>Materialcode</b> 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>130.003</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											
<b>4.5mm</b>	<b>0.8g</b>											

<b>210.011.025._</b>												
	<b>Materialcode</b> 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>130.015</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> </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
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											
<b>3.5mm</b>	<b>1g</b>											

210.011.029._										
	<b>Materialcode</b> 04 CR 05 Polyurethan 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.003	1/8" AG	130.015	1/8" IG	130.104	M6 AG	130.134
Halter Fitting	Gewinde Thread									
130.003	1/8" AG									
130.015	1/8" IG									
130.104	M6 AG									
130.134	M5 AG									
5mm	0.6g									

210.011.082._						
	<b>Materialcode</b> 02 Silikon					
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.087</td> <td>1/8" AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.087	1/8" AG	130.134
Halter Fitting	Gewinde Thread					
130.087	1/8" AG					
130.134	M5 AG					
3.5mm	1g					

210.011.083._										
	<b>Materialcode</b> 02 Silikon									
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Halter Fitting	Gewinde Thread									
130.003	1/8" AG									
130.015	1/8" IG									
130.104	M6 AG									
130.134	M5 AG									
4mm	1g									

210.011.141._										
	<b>Materialcode</b> 04 CR 09 HNBR 05 Polyurethan 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.003	1/8" AG	130.013	M5 AG	130.015	1/8" IG	130.103
Halter Fitting	Gewinde Thread									
130.003	1/8" AG									
130.013	M5 AG									
130.015	1/8" IG									
130.103	M6 AG									
4.5mm	0.8g									

<b>210.011.176._</b>										
	<b>Materialcode</b> 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.015</td> <td>1/8" IG</td> </tr> <tr> <td>130.087</td> <td>1/8" AG</td> </tr> <tr> <td>130.104</td> <td>M6 AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.015	1/8" IG	130.087	1/8" AG	130.104	M6 AG	130.134
Halter Fitting	Gewinde Thread									
130.015	1/8" IG									
130.087	1/8" AG									
130.104	M6 AG									
130.134	M5 AG									
2.5mm	0.5g									

<b>210.011.212._</b>				
	<b>Materialcode</b> 02 Silikon			
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Halter Fitting	Gewinde Thread			
5mm	1g			

<b>212.011.011._</b>				
	<b>Materialcode</b> 03 NR 05 Polyurethan 02 Silikon			
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Halter Fitting	Gewinde Thread			
5mm	1g			

<b>220.011.008._</b>												
	<b>Materialcode</b> 09 HNBR 02 Silikon											
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Halter Fitting	Gewinde Thread											
130.003	1/8" AG											
130.013	M5 AG											
130.015	1/8" IG											
130.104	M6 AG											
130.134	M5 AG											
5mm	1g											

220.012.011._																
	<b>Materialcode</b> 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>130.013</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>130.134</td> <td>M5 AG</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>	130.005	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
Halter <i>Fitting</i>	Gewinde <i>Thread</i>															
130.005	M5 IG															
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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._						
	<b>Materialcode</b> 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>130.110</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>	130.110	1/8" IG	130.238
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.110	1/8" IG					
130.238	1/8" AG					
6mm	1.2g					

220.012.108._										
	<b>Materialcode</b> 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>130.013</td> <td>M5 AG</td> </tr> <tr> <td>130.015</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	130.015	1/8" IG	130.194	1/4" AG	130.238
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
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._												
	<b>Materialcode</b>											
	<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											
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130.015	1/8" IG											
130.103	M6 AG											
7mm	1g											

210.013.003._														
	<b>Materialcode</b> 04 CR 07 FKM 09 HNBR 03 NR													
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	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 Fitting	Gewinde Thread													
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130.015	1/8" IG													
130.087	1/8" AG													
130.103	M6 AG													
130.317	M5 AG													
4mm	1g													

210.013.013._																		
	<b>Materialcode</b> 05 Polyurethan 02 Silikon V Vinyl																	
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	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
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130.033	1/8" AG																	
130.087	1/8" AG																	
130.103	M6 AG																	
130.317	M5 AG																	
5mm	0.5g																	

210.013.201._																		
	<b>Materialcode</b> 04 CR 09 HNBR 03 NR 05 Polyurethan																	
	<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>130.013</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 Fitting	Gewinde Thread	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 Fitting	Gewinde Thread																	
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._												
	<b>Materialcode</b> 07 FKM 09 HNBR 03 NR 05 Polyurethan											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.003	1/8" AG	130.005	M5 IG	130.013	M5 AG	130.015	1/8" IG	130.103
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											
8mm	1.1g											



211.014.009._	
<b>Materialcode</b>	
06 EPDM 09 HNBR 03 NR 05 Polyurethan	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
8mm	1.1g

212.014.001._	
<b>Materialcode</b>	
06 EPDM 09 HNBR 03 NR 05 Polyurethan	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
8mm	1.1g

220.014.009._	
<b>Materialcode</b>	
04 CR 06 EPDM 09 HNBR 03 NR	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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._	
<b>Materialcode</b>	
04 CR 09 HNBR 02 Silikon 12 verstärktes Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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._												
	<b>Materialcode</b> 04 CR 06 EPDM 07 FKM 09 HNBR											
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Halter Fitting	Gewinde Thread											
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._																
	<b>Materialcode</b> 06 EPDM 07 FKM 09 HNBR 03 NR															
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 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	130.109	1/8" IG	130.238
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															
130.109	1/8" IG															
130.238	1/8" AG															
10mm	1.4g															

220.014.049._								
	<b>Materialcode</b> 05 Polyurethan							
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Halter Fitting	Gewinde Thread							
130.024	M5 AG							
130.033	1/8" AG							
130.104	M6 AG							
7mm	1g							

221.014.004._				
	<b>Materialcode</b> 06 EPDM 07 FKM 09 HNBR 03 NR			
	<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			
10mm	1.4g			

222.014.002._	
<b>Materialcode</b>	
06 EPDM 07 FKM 09 HNBR 03 NR	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
10mm	1.4g

230.014.013._	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
12.7mm	1.7g

230.014.026._	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
15mm	1.8g

250.014.015._	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
26mm	2.5g

210.015.011._								
	<b>Materialcode</b> V Vinyl							
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.033	1/8" AG	130.104	M6 AG	130.134
Halter Fitting	Gewinde Thread							
130.033	1/8" AG							
130.104	M6 AG							
130.134	M5 AG							
5mm	1.2g							

210.015.012._								
	<b>Materialcode</b> V Vinyl							
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.033	1/8" AG	130.104	M6 AG	130.134
Halter Fitting	Gewinde Thread							
130.033	1/8" AG							
130.104	M6 AG							
130.134	M5 AG							
5mm	0.8g							

210.015.015._												
	<b>Materialcode</b> 04 CR 07 FKM 09 HNBR 03 NR											
	<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>130.007</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 Fitting	Gewinde Thread	130.005	M5 IG	130.007	1/8" IG	130.009	1/8" AG	130.010	M5 AG	130.301
Halter Fitting	Gewinde Thread											
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._								
	<b>Materialcode</b> 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.064	1/8" AG	130.065	1/8" IG	130.200
Halter Fitting	Gewinde Thread							
130.064	1/8" AG							
130.065	1/8" IG							
130.200	M5 AG							
7mm	1.5g							

210.015.084._						
	<b>Materialcode</b> 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>130.301</td> <td>M5 AG</td> </tr> <tr> <td>130.310</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.301	M5 AG	130.310
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.301	M5 AG					
130.310	M5 AG					
3.5mm	1g					

210.015.143._								
	<b>Materialcode</b> 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							
6.5mm	1.8g							

210.015.210._								
	<b>Materialcode</b> 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.023</td> <td>M5 AG</td> </tr> <tr> <td>130.087</td> <td>1/8" AG</td> </tr> <tr> <td>130.134</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.023	M5 AG	130.087	1/8" AG	130.134
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.023	M5 AG							
130.087	1/8" AG							
130.134	M5 AG							
4.5mm	3.1g							

210.015.800._						
	<b>Materialcode</b> 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>130.003</td> <td>1/8" AG</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	130.134
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.003	1/8" AG					
130.134	M5 AG					
5.5mm	1.36g					

214.015.012._	
<b>Materialcode</b> 05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
5.5mm	11g

220.015.022._	
<b>Materialcode</b> 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.094 130.095 130.096	M5 AG 1/8" AG 1/8" IG
5mm	0.8g

220.015.053._	
<b>Materialcode</b> 02 Silikon 12 verstärktes Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.112 130.113 130.114	1/8" AG 1/4" AG 1/8" IG
7mm	1.6g

220.015.132._	
<b>Materialcode</b> 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.013 130.109 130.238	M5 AG 1/8" IG 1/8" AG
7mm	1.6g

210.016.002._												
	<b>Materialcode</b> 06 EPDM 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											
6mm	1.2g											

210.016.009._										
	<b>Materialcode</b> 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>130.015</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> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.003	1/8" AG	130.015	1/8" IG	130.104	M6 AG	130.134
Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.003	1/8" AG									
130.015	1/8" IG									
130.104	M6 AG									
130.134	M5 AG									
6mm	1.2g									

210.016.026._														
	<b>Materialcode</b> 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>130.015</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>130.591</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	130.591
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													
130.591	M5 AG													
5mm	1.2g													

210.016.063._								
	<b>Materialcode</b> 03 NR 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>130.177</td> <td>M10 AG</td> </tr> <tr> <td>130.193</td> <td>1/4" AG</td> </tr> <tr> <td>130.244</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.177	M10 AG	130.193	1/4" AG	130.244
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.177	M10 AG							
130.193	1/4" AG							
130.244	M5 AG							
6mm	1.6g							



<b>210.016.086._</b>					
	<b>Materialcode</b> V Vinyl				
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.244</td> <td>M5 AG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.244	M5 AG
	Halter Fitting	Gewinde Thread			
	130.244	M5 AG			
<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				
6mm	1.5g				

<b>210.016.156._</b>					
	<b>Materialcode</b> 04 CR 03 NR 05 Polyurethan 02 Silikon				
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.005 130.007 130.009 130.010</td> <td>M5 IG 1/8" IG 1/8" AG M5 AG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.005 130.007 130.009 130.010	M5 IG 1/8" IG 1/8" AG M5 AG
	Halter Fitting	Gewinde Thread			
	130.005 130.007 130.009 130.010	M5 IG 1/8" IG 1/8" AG M5 AG			
<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				
6mm	0.6g				

<b>210.016.205._</b>					
	<b>Materialcode</b> 05 Polyurethan				
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.013 130.094</td> <td>M5 AG M5 AG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.013 130.094	M5 AG M5 AG
	Halter Fitting	Gewinde Thread			
	130.013 130.094	M5 AG M5 AG			
<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				
4.5mm	1.4g				

<b>210.016.207._</b>					
	<b>Materialcode</b> 02 Silikon				
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.003 130.013 130.015 130.103</td> <td>1/8" AG M5 AG 1/8" IG M6 AG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.003 130.013 130.015 130.103	1/8" AG M5 AG 1/8" IG M6 AG
	Halter Fitting	Gewinde Thread			
	130.003 130.013 130.015 130.103	1/8" AG M5 AG 1/8" IG M6 AG			
<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				
6mm	1.2g				

210.016.220._		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.311 130.312	M5 AG M6 AG
6mm	0.8g	

212.016.012._		
	<b>Materialcode</b>	
	04 CR 03 NR 05 Polyurethan 02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	M5 SW8	
7mm	1.2g	

220.016.054._		
	<b>Materialcode</b>	
	V Vinyl	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.097 130.098 130.177 130.181	1/4" AG 1/4" IG M10 AG 1/8" AG
9mm	3g	

210.017.007._		
	<b>Materialcode</b>	
	03 NR	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
5.5mm	0.8g	

210.018.067._								
	<b>Materialcode</b> 04 CR 03 NR 02 Silikon							
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.040	M8 AG	130.077	1/8" AG	130.105
Halter Fitting	Gewinde Thread							
130.040	M8 AG							
130.077	1/8" AG							
130.105	M6 AG							
5.5mm	0.6g							

210.018.068._														
	<b>Materialcode</b> 03 NR													
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Halter Fitting	Gewinde Thread													
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._												
	<b>Materialcode</b> 03 NR											
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Halter Fitting	Gewinde Thread											
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._								
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Halter Fitting	Gewinde Thread							
130.039	M6 AG							
130.040	M8 AG							
130.077	1/8" AG							
8mm	0.8g							

210.018.071._				
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.021	1/8" AG			
5.5mm	0.8g			

210.018.097._										
	<b>Materialcode</b> 03 NR 05 Polyurethan 02 Silikon 12 verstärktes Silikon									
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>									
130.033	1/8" AG									
130.109	1/8" IG									
130.134	M5 AG									
130.238	1/8" AG									
6mm	1.2g									

210.018.178._												
	<b>Materialcode</b> 03 NR 02 Silikon											
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.238	1/8" AG											
130.504	1/4" AG											
130.560	M5 AG											
130.566	M5 AG											
130.630	1/8" AG											
6mm	2g											

220.018.001._														
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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>130.005</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>	130.005	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>													
130.005	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													
8mm	2g													

220.018.005._	
Materialcode	
04 CR 06 EPDM 07 FKM 09 HNBR	
Halter Fitting	Gewinde Thread
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	
Halter Fitting	Gewinde Thread
130.024	M5 AG
130.033	1/8" AG
130.104	M6 AG
12mm	2.2g

220.018.030._	
Materialcode	
V Vinyl	
Halter Fitting	Gewinde Thread
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	
Halter Fitting	Gewinde Thread
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

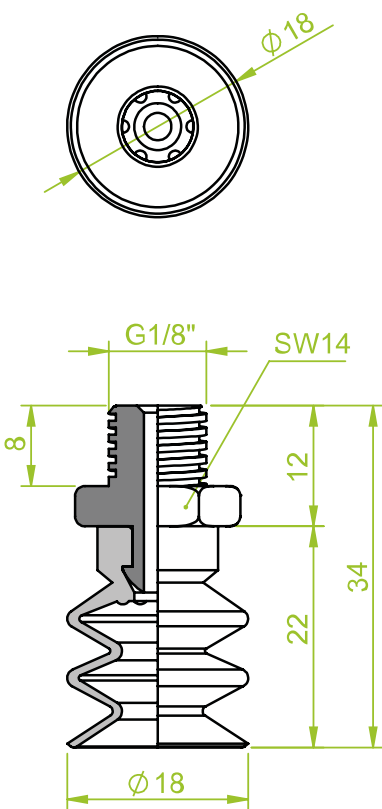


220.018.055._								
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.094	M5 AG							
130.095	1/8" AG							
130.096	1/8" IG							
7mm	1.2g							



220.018.063._														
	<b>Materialcode</b> 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>130.015</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> <tr> <td>130.275</td> <td>1/4" IG</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	130.194	1/4" AG	130.275
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													
130.275	1/4" IG													
8mm	1.8g													

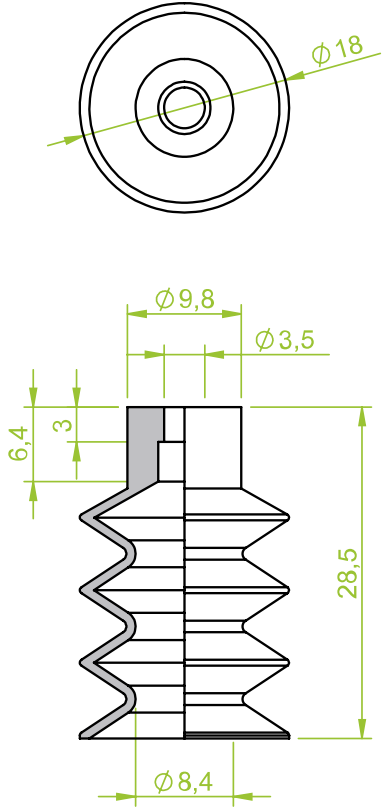


220.018.066._						
	<b>Materialcode</b>					
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.110	1/8" IG					
130.238	1/8" AG					
10mm	2.5g					

221.018.005._				
	<b>Materialcode</b> 06 EPDM 09 HNBR 03 NR 05 Polyurethan			
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
8mm	2g			

221.018.027._	
Materialcode	
03 NR	
Halter Fitting	Gewinde Thread
	
8mm	1.7g

222.018.003._	
	
Materialcode	
06 EPDM 09 HNBR 03 NR 05 Polyurethan	
Halter Fitting	Gewinde Thread
	
8mm	2g

222.018.012._	
Materialcode	
Halter Fitting	Gewinde Thread
	
8mm	2.5g

230.018.014._	
	
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
130.015 130.104 130.134	1/8" IG M6 AG M5 AG
	
125mm	1.9g



240.018.010._			
		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.013	M5 AG		
130.109	1/8" IG		
130.194	1/4" AG		
14mm	2.4g		

210.019.044._			
		<b>Materialcode</b>	
		04 CR 09 HNBR 03 NR 05 Polyurethan	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.003	1/8" AG		
130.005	M5 IG		
130.013	M5 AG		
130.015	1/8" IG		
130.033	1/8" AG		
130.103	M6 AG		
130.109	1/8" IG		
130.194	1/4" AG		
4mm	1.7g		

210.019.059._			
		<b>Materialcode</b>	
		V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.039	M6 AG		
130.059	1/8" AG		
7mm	1.6g		

210.019.060._			
		<b>Materialcode</b>	
		V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.059	1/8" AG		
8mm	1.8g		

210.019.093._														
	<b>Materialcode</b> V Vinyl													
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	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 Fitting	Gewinde Thread													
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._												
	<b>Materialcode</b> 04 CR 09 HNBR 03 NR 05 Polyurethan											
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Halter Fitting	Gewinde Thread											
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._								
	<b>Materialcode</b> V Vinyl							
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Halter Fitting	Gewinde Thread							
130.177	M10 AG							
130.451	1/4" AG							
130.452	1/4" IG							
10mm	2g							

210.020.031._								
	<b>Materialcode</b> 04 CR 06 EPDM 07 FKM 09 HNBR							
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Halter Fitting	Gewinde Thread							
130.135	1/8" AG							
130.291	1/8" AG							
130.507	1/8" AG							
9mm	2.5g							

210.020.037._												
	<b>Materialcode</b> 02 Silikon											
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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._										
	<b>Materialcode</b> V Vinyl									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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>130.347</td> <td>M5 IG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.033	1/8" AG	130.104	M6 AG	130.134	M5 AG	130.347
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._								
	<b>Materialcode</b> 04 CR 09 HNBR 03 NR 05 Polyurethan							
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.063</td> <td>1/8" AG</td> </tr> <tr> <td>130.311</td> <td>M5 AG</td> </tr> <tr> <td>130.312</td> <td>M6 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.063	1/8" AG	130.311	M5 AG	130.312
Halter Fitting	Gewinde Thread							
130.063	1/8" AG							
130.311	M5 AG							
130.312	M6 AG							
8mm	2.4g							

210.020.094._								
	<b>Materialcode</b> 03 NR							
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Halter Fitting	Gewinde Thread							
130.005	M5 IG							
130.010	M5 AG							
130.310	M5 AG							
2mm	0.5g							

210.020.095._													
	Materialcode												
<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde 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>130.043</td> <td>1/4" AG</td> </tr> <tr> <td>130.113</td> <td>1/4" AG</td> </tr> <tr> <td>130.275</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	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	
Halter Fitting	Gewinde Thread												
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								
<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.177	M10 AG	130.451	1/4" AG	130.452	1/4" IG	
Halter Fitting	Gewinde Thread								
130.177	M10 AG								
130.451	1/4" AG								
130.452	1/4" IG								
10mm	4g								

210.020.104._							
	Materialcode						
	02 Silikon						
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Halter Fitting	Gewinde Thread						
130.311	M5 AG						
130.312	M6 AG						
7mm	2.4g						

210.020.150._											
	Materialcode										
	04 CR 07 FKM 09 HNBR 03 NR										
<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.010</td> <td>M5 AG</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>130.311</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.010	M5 AG	130.061	1/8" IG	130.063	1/8" AG	130.311	M5 AG	
Halter Fitting	Gewinde Thread										
130.010	M5 AG										
130.061	1/8" IG										
130.063	1/8" AG										
130.311	M5 AG										
4mm	1.6g										

210.020.161._								
	<b>Materialcode</b> 05 Polyurethan 20 TPU V Vinyl							
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Halter Fitting	Gewinde Thread							
130.251	1/8" IG							
130.311	M5 AG							
130.312	M6 AG							
6mm	2g							

210.020.169._				
	<b>Materialcode</b> 04 CR 09 HNBR 03 NR 05 Polyurethan			
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Halter Fitting	Gewinde Thread			
130.312	M6 AG			
7mm	2.4g			

210.020.181._										
	<b>Materialcode</b> V Vinyl									
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Halter Fitting	Gewinde Thread									
130.504	1/4" AG									
130.560	M5 AG									
130.566	M5 AG									
130.630	1/8" AG									
6mm	1.7g									

210.020.185._								
	<b>Materialcode</b> 05 Polyurethan 02 Silikon							
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Halter Fitting	Gewinde Thread							
130.604	M5 AG							
130.605	1/8" AG							
130.606	1/4" AG							
6mm	1.9g							

<b>210.020.190._</b>				
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Halter Fitting	Gewinde Thread			
3mm	0.5g			

<b>210.020.217._</b>				
	<b>Materialcode</b> 02 Silikon			
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Halter Fitting	Gewinde Thread			
mm	0g			

<b>210.020.801._</b>								
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Halter Fitting	Gewinde Thread							
130.094	M5 AG							
130.095	1/8" AG							
130.291	1/8" AG							
7.6mm	2.04g							

<b>211.020.002._</b>				
	<b>Materialcode</b> 09 HNBR 02 Silikon			
	<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			
9mm	4.8g			

211.020.010._						
	<b>Materialcode</b> 04 CR 07 FKM 09 HNBR 03 NR					
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Halter	Gewinde					
Fitting	Thread					
9mm	2.5g					

220.020.002._																
	<b>Materialcode</b> 04 CR 06 EPDM 07 FKM 09 HNBR															
	<table border="1"> <thead> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <th>Fitting</th> <th>Thread</th> </tr> </thead> <tbody> <tr> <td>130.003</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>130.194</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter	Gewinde	Fitting	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
Halter	Gewinde															
Fitting	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	2.1g															

220.020.059._										
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Halter	Gewinde									
Fitting	Thread									
130.109	1/8" IG									
130.134	M5 AG									
130.238	1/8" AG									
11mm	2.2g									

220.020.060._								
	<b>Materialcode</b> 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>130.039</td> <td>M6 AG</td> </tr> <tr> <td>130.247</td> <td>M8 AG</td> </tr> </tbody> </table>	Halter	Gewinde	Fitting	Thread	130.039	M6 AG	130.247
Halter	Gewinde							
Fitting	Thread							
130.039	M6 AG							
130.247	M8 AG							
9mm	2g							



<b>220.020.062._</b>	
<b>Materialcode</b>	
02 Silikon 12 verstärktes Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.112 130.113 130.114 130.178	1/8" AG 1/4" AG 1/8" IG 1/4" IG
10mm	2.4g

<b>220.020.107._</b>	
<b>Materialcode</b>	
04 CR 09 HNBR 03 NR 05 Polyurethan	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.003 130.013 130.015 130.103 130.194	1/8" AG M5 AG 1/8" IG M6 AG 1/4" AG
8mm	2.2g

<b>220.020.111._</b>	
<b>Materialcode</b>	
12 verstärktes Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
10mm	3g

<b>220.020.128._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
9mm	2.1g

<b>220.020.800._</b>	
<b>Materialcode</b>	
05 Polyurethan 20 TPU	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.095 130.291	1/8" AG 1/8" AG
6.5mm	1.6g

<b>240.020.002._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.135 130.291 130.507	1/8" AG 1/8" AG 1/8" AG
16mm	2g

<b>240.020.012._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.312	M6 AG
10mm	2g

<b>241.020.001._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
16mm	6.4g

<b>241.020.005._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
16mm	2g

<b>250.020.002._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
26mm	4.3g

<b>210.021.216._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
9mm	1.5g

<b>210.022.021._</b>	
<b>Materialcode</b>	
04 CR 06 EPDM 09 HNBR 03 NR	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
8mm	2g

210.022.142._						
	<b>Materialcode</b> 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>130.132</td> <td>1/8" AG</td> </tr> <tr> <td>130.208</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.132	1/8" AG	130.208
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.132	1/8" AG					
130.208	1/4" AG					
8mm	2g					

210.022.177._										
	<b>Materialcode</b> 04 CR 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>130.003</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									
8mm	2g									

210.022.182._										
	<b>Materialcode</b> 02 Silikon									
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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									
8mm	2g									

210.023.014._						
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.110	1/8" IG					
130.238	1/8" AG					
5mm	2.2g					

<b>220.023.067._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
130.112	1/8" AG
130.113	1/4" AG
130.114	1/8" IG
130.178	1/4" IG
12mm	4.2g

<b>220.023.070._</b>	
<b>Materialcode</b>	
V Vinyl	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
130.097	1/4" AG
130.098	1/4" IG
130.177	M10 AG
130.609	1/4" AG
9mm	3.8g

<b>220.024.068._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
130.097	1/4" AG
130.098	1/4" IG
10mm	4g

<b>240.024.013._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
130.233	1/8" IG
20mm	5g

240.024.029._						
	<b>Materialcode</b> 12 verstärktes Silikon					
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
20mm	4.3g					

250.024.013._						
	<b>Materialcode</b> 12 verstärktes Silikon					
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
20mm	1.6g					

210.025.065._						
	<b>Materialcode</b> 03 NR 05 Polyurethan 02 Silikon 12 verstärktes Silikon					
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
5mm	5.2g					

210.025.103._						
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
12mm	5.8g					

<b>210.025.137._</b>										
	<b>Materialcode</b> 04 CR 09 HNBR 03 NR 05 Polyurethan									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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> </tbody> </table>	Halter Fitting	Gewinde Thread	130.003	1/8" AG	130.013	M5 AG	130.103	M6 AG	130.109
Halter Fitting	Gewinde Thread									
130.003	1/8" AG									
130.013	M5 AG									
130.103	M6 AG									
130.109	1/8" IG									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>9mm</td> <td>2.4g</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	9mm	2.4g					
Halter Fitting	Gewinde Thread									
9mm	2.4g									

<b>210.025.144._</b>								
	<b>Materialcode</b> 03 NR 05 Polyurethan							
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.604	M5 AG	130.605	1/8" AG	130.606
Halter Fitting	Gewinde Thread							
130.604	M5 AG							
130.605	1/8" AG							
130.606	1/4" AG							
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>5.5mm</td> <td>2.5g</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	5.5mm	2.5g			
Halter Fitting	Gewinde Thread							
5.5mm	2.5g							

<b>210.025.151._</b>					
	<b>Materialcode</b> 09 HNBR 02 Silikon				
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.094</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.094	M5 AG
Halter Fitting	Gewinde Thread				
130.094	M5 AG				
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>4.5mm</td> <td>2.7g</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	4.5mm	2.7g
Halter Fitting	Gewinde Thread				
4.5mm	2.7g				

<b>210.025.154._</b>										
	<b>Materialcode</b> V Vinyl									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.238</td> <td>1/8" AG</td> </tr> <tr> <td>130.560</td> <td>M5 AG</td> </tr> <tr> <td>130.566</td> <td>M5 AG</td> </tr> <tr> <td>130.630</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.238	1/8" AG	130.560	M5 AG	130.566	M5 AG	130.630
Halter Fitting	Gewinde Thread									
130.238	1/8" AG									
130.560	M5 AG									
130.566	M5 AG									
130.630	1/8" AG									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>mm</td> <td>0g</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	mm	0g					
Halter Fitting	Gewinde Thread									
mm	0g									



211.025.010._						
	<b>Materialcode</b> 03 NR 05 Polyurethan 02 Silikon 12 verstärktes 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	
Halter	Gewinde					
Fitting	Thread					
	<table border="1"> <tbody> <tr> <td>5mm</td> <td>5.2g</td> </tr> </tbody> </table>	5mm	5.2g			
5mm	5.2g					

212.025.002._						
	<b>Materialcode</b> 03 NR 05 Polyurethan 02 Silikon 12 verstärktes 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	
Halter	Gewinde					
Fitting	Thread					
	<table border="1"> <tbody> <tr> <td>5mm</td> <td>5.2g</td> </tr> </tbody> </table>	5mm	5.2g			
5mm	5.2g					

214.025.005._						
	<b>Materialcode</b> 03 NR 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	
Halter	Gewinde					
Fitting	Thread					
	<table border="1"> <tbody> <tr> <td>11mm</td> <td>13g</td> </tr> </tbody> </table>	11mm	13g			
11mm	13g					

220.025.031._														
	<b>Materialcode</b> 09 HNBR 03 NR 05 Polyurethan 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>130.003</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	Gewinde	Fitting	Thread	130.003	1/8" AG	130.013	M5 AG	130.103	M6 AG	130.109	1/8" IG	130.194
Halter	Gewinde													
Fitting	Thread													
130.003	1/8" AG													
130.013	M5 AG													
130.103	M6 AG													
130.109	1/8" IG													
130.194	1/4" AG													
	<table border="1"> <tbody> <tr> <td>19mm</td> <td>3.5g</td> </tr> </tbody> </table>	19mm	3.5g											
19mm	3.5g													

<b>220.025.069._</b>				
	<b>Materialcode</b> 02 Silikon			
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Halter Fitting	Gewinde Thread			
130.049	1/4" AG			
<b>16mm</b>	<b>6.2g</b>			

<b>220.025.113._</b>				
	<b>Materialcode</b> 09 HNBR 03 NR 02 Silikon			
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.003 130.013 130.103 130.109 130.194 130.275</td> <td>1/8" AG M5 AG M6 AG 1/8" IG 1/4" AG 1/4" IG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.003 130.013 130.103 130.109 130.194 130.275
Halter Fitting	Gewinde Thread			
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			
<b>19mm</b>	<b>4g</b>			

<b>220.025.800._</b>				
	<b>Materialcode</b> 05 Polyurethan 20 TPU			
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.250 130.291</td> <td>1/8" AG 1/8" AG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.250 130.291
Halter Fitting	Gewinde Thread			
130.250 130.291	1/8" AG 1/8" AG			
<b>6.5mm</b>	<b>1.6g</b>			

<b>230.025.001._</b>				
	<b>Materialcode</b> 09 HNBR 02 Silikon			
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.003 130.013 130.103 130.109 130.194</td> <td>1/8" AG M5 AG M6 AG 1/8" IG 1/4" AG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.003 130.013 130.103 130.109 130.194
Halter Fitting	Gewinde Thread			
130.003 130.013 130.103 130.109 130.194	1/8" AG M5 AG M6 AG 1/8" IG 1/4" AG			
<b>24mm</b>	<b>5.6g</b>			

230.025.004._								
	<b>Materialcode</b> 03 NR 02 Silikon							
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Halter Fitting	Gewinde Thread							
130.109	1/8" IG							
130.194	1/4" AG							
130.238	1/8" AG							
9mm	3.6g							

240.025.016._				
	<b>Materialcode</b> 02 Silikon			
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Halter Fitting	Gewinde Thread			
130.182	1/4" IG			
29mm	6.5g			

240.025.030._				
	<b>Materialcode</b> 12 verstärktes Silikon			
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Halter Fitting	Gewinde Thread			
29mm	4.5g			

210.026.099._														
	<b>Materialcode</b> V Vinyl													
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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>130.194</td> <td>1/4" AG</td> </tr> </tbody> </table>	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
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													

<b>220.026.110._</b>										
	<b>Materialcode</b> 05 Polyurethan 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.092	1/8" IG	130.190	1/4" AG	130.192	1/4" IG	130.248
Halter Fitting	Gewinde Thread									
130.092	1/8" IG									
130.190	1/4" AG									
130.192	1/4" IG									
130.248	1/4" IG									
10mm	7.1g									

<b>220.026.137._</b>				
	<b>Materialcode</b> 03 NR			
	<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			
10mm	6g			

<b>210.027.167._</b>										
	<b>Materialcode</b> 04 CR 09 HNBR 03 NR 05 Polyurethan									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.114	1/8" IG	130.132	1/8" AG	130.190	1/4" AG	130.192
Halter Fitting	Gewinde Thread									
130.114	1/8" IG									
130.132	1/8" AG									
130.190	1/4" AG									
130.192	1/4" IG									
6mm	4.2g									

<b>210.028.098._</b>								
	<b>Materialcode</b> V Vinyl							
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.033	1/8" AG	130.104	M6 AG	130.134
Halter Fitting	Gewinde Thread							
130.033	1/8" AG							
130.104	M6 AG							
130.134	M5 AG							
9mm	3g							

210.028.164._						
	<b>Materialcode</b> 09 HNBR					
	<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> <tr> <td>10mm</td> <td>5g</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			10mm
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
10mm	5g					

210.028.211._						
	<b>Materialcode</b> 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> <tr> <td>7mm</td> <td>3g</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			7mm
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
7mm	3g					

220.028.109._						
	<b>Materialcode</b> 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></td> <td></td> </tr> <tr> <td>14mm</td> <td>5.1g</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			14mm
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
14mm	5.1g					

220.029.056._						
	<b>Materialcode</b> 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> <tr> <td>12mm</td> <td>7g</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			12mm
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
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

210.030.109._										
	<b>Materialcode</b> 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde 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>130.274</td> <td>1/4" AG</td> </tr> <tr> <td>130.275</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.019	1/8" IG	130.030	1/8" AG	130.274	1/4" AG	130.275
Halter Fitting	Gewinde 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._										
	<b>Materialcode</b> 04 CR 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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>130.609</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.097	1/4" AG	130.098	1/4" IG	130.177	M10 AG	130.609
Halter Fitting	Gewinde 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._								
	<b>Materialcode</b> 03 NR 05 Polyurethan							
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Halter Fitting	Gewinde Thread							
130.604	M5 AG							
130.605	1/8" AG							
130.606	1/4" AG							
10mm	5.2g							

210.030.152._										
	<b>Materialcode</b> 04 CR 06 EPDM 09 HNBR 03 NR									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde 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>130.094</td> <td>M5 AG</td> </tr> <tr> <td>130.312</td> <td>M6 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.019	1/8" IG	130.030	1/8" AG	130.094	M5 AG	130.312
Halter Fitting	Gewinde Thread									
130.019	1/8" IG									
130.030	1/8" AG									
130.094	M5 AG									
130.312	M6 AG									
5mm	4.7g									



<b>210.030.193._</b>		
	<b>Materialcode</b>	
	03 NR	
	<b>Halter Fitting</b>	<b>Gewinde Thread</b>
	130.518	1/4" AG
7.5mm	5g	

<b>210.030.198._</b>		
	<b>Materialcode</b>	
	03 NR 02 Silikon	
	<b>Halter Fitting</b>	<b>Gewinde Thread</b>
	130.598	1/4" AG
9.5mm	5.6g	

<b>210.030.213._</b>		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter Fitting</b>	<b>Gewinde Thread</b>
13mm	2.7g	

<b>210.030.215._</b>		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter Fitting</b>	<b>Gewinde Thread</b>
	130.520	1/8" AG
12.5mm	3.1g	

210.030.802._																		
	<b>Materialcode</b> 05 Polyurethan 20 TPU																	
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.030</td> <td>1/8" AG</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>130.295</td> <td>3/8" AG</td> </tr> <tr> <td>130.501</td> <td>1/8" IG</td> </tr> <tr> <td>130.549</td> <td>1/8" AG</td> </tr> <tr> <td>130.902</td> <td>1/4" AG</td> </tr> <tr> <td>130.903</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	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
Halter Fitting	Gewinde Thread																	
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._				
	<b>Materialcode</b> 03 NR 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			
16mm	8.5g			

214.030.004._				
	<b>Materialcode</b> 03 NR 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			
9mm	14g			

214.030.013._				
	<b>Materialcode</b> 05 Polyurethan 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			
13mm	7g			

220.030.006._																		
	<b>Materialcode</b> 06 EPDM 03 NR 05 Polyurethan 02 Silikon																	
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	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 Fitting	Gewinde Thread																	
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._												
	<b>Materialcode</b> 02 Silikon 20 TPU											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.097	1/4" AG	130.098	1/4" IG	130.177	M10 AG	130.451	1/4" AG	130.609
Halter Fitting	Gewinde Thread											
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._				
	<b>Materialcode</b> 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.609</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.609
Halter Fitting	Gewinde Thread			
130.609	1/4" AG			
20mm	6.1g			

220.030.801._												
	<b>Materialcode</b> 05 Polyurethan 20 TPU											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.109	1/8" IG	130.250	1/8" AG	130.291	1/8" AG	130.900	1/8" AG	130.901
Halter Fitting	Gewinde Thread											
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											

<b>221.030.006._</b>	
<b>Materialcode</b>	
06 EPDM 07 FKM 03 NR 05 Polyurethan	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
13mm	9.2g

<b>222.030.004._</b>	
<b>Materialcode</b>	
06 EPDM 07 FKM 03 NR 05 Polyurethan	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
13mm	9.2g

<b>223.030.008._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
18mm	16g

<b>230.030.023._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.238	1/8" AG
20mm	5.4g

<b>230.030.027._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
130.609	1/4" AG
28mm	7g

<b>240.030.003._</b>	
<b>Materialcode</b>	
04 CR 03 NR 02 Silikon	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
130.012 130.251 130.293	1/8" AG 1/8" IG 1/4" AG
21mm	6g

<b>240.030.015._</b>	
<b>Materialcode</b>	
03 NR	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
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

<b>241.030.002._</b>	
<b>Materialcode</b>	
04 CR 02 Silikon	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
21mm	18g

<b>241.030.006._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
21mm	6g

<b>210.031.101._</b>	
<b>Materialcode</b>	
V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
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
6mm	7g

<b>220.031.028._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.006	1/8" AG
7mm	6g

<b>220.031.115._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.030	1/8" AG
130.034	1/4" AG
130.038	1/4" IG
130.628	M8 AG
14mm	5.4g

<b>220.031.134._</b>				
	<b>Materialcode</b> V Vinyl			
	<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			
13mm	9.4g			

<b>214.032.020._</b>				
	<b>Materialcode</b> 03 NR 02 Silikon			
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Halter Fitting	Gewinde Thread			
9mm	14g			

<b>220.032.003._</b>				
	<b>Materialcode</b> 04 CR 06 EPDM 07 FKM 09 HNBR			
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Halter Fitting	Gewinde Thread			
13mm	8.3g			

<b>220.032.057._</b>				
	<b>Materialcode</b> V Vinyl			
	<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			
10mm	6.5g			



220.032.058._										
	<b>Materialcode</b> V Vinyl									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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> <tr> <td>130.609</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.177	M10 AG	130.451	1/4" AG	130.452	1/4" IG	130.609
Halter Fitting	Gewinde Thread									
130.177	M10 AG									
130.451	1/4" AG									
130.452	1/4" IG									
130.609	1/4" AG									
14mm	7g									

220.032.076._										
	<b>Materialcode</b> 03 NR 02 Silikon									
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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> <tr> <td>130.609</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.177	M10 AG	130.451	1/4" AG	130.452	1/4" IG	130.609
Halter Fitting	Gewinde Thread									
130.177	M10 AG									
130.451	1/4" AG									
130.452	1/4" IG									
130.609	1/4" AG									
13mm	5g									

221.032.009._				
	<b>Materialcode</b> 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			
10mm	16.8g			

222.032.007._				
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Halter Fitting	Gewinde Thread			
10mm	18g			

<b>230.032.015._</b>				
	<b>Materialcode</b> 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			
	20mm      7.4g			

<b>230.032.016._</b>				
	<b>Materialcode</b>			
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Halter Fitting	Gewinde Thread			
	30mm      7.5g			

<b>250.032.012._</b>				
	<b>Materialcode</b> 02 Silikon			
	<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			
	36mm      12.9g			

<b>210.033.019._</b>				
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	<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			
	9mm      6.5g			

210.033.022._												
	<b>Materialcode</b> 04 CR 06 EPDM 07 FKM 09 HNBR											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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> <tr> <td>130.315</td> <td>M6 AG</td> </tr> </tbody> </table>	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
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._				
	<b>Materialcode</b>			
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Halter Fitting	Gewinde Thread			
12mm	6.9g			

210.033.194._				
	<b>Materialcode</b> 02 Silikon			
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Halter Fitting	Gewinde Thread			
5mm	1.9g			

211.033.003._				
	<b>Materialcode</b> 09 HNBR 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			
9mm	14.5g			

<b>211.033.011._</b>	
<b>Materialcode</b>	
04 CR 09 HNBR 05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
9mm	6.5g

<b>210.034.175._</b>	
<b>Materialcode</b>	
06 EPDM 07 FKM 09 HNBR 05 Polyurethan	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
16mm	5.4g

<b>220.034.112._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
mm	0g

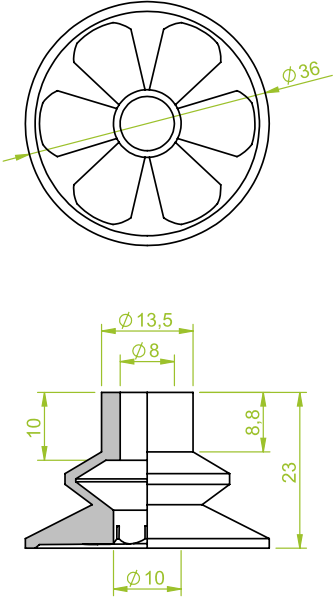


<b>210.035.111._</b>	
<b>Materialcode</b>	
V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
14mm	5g

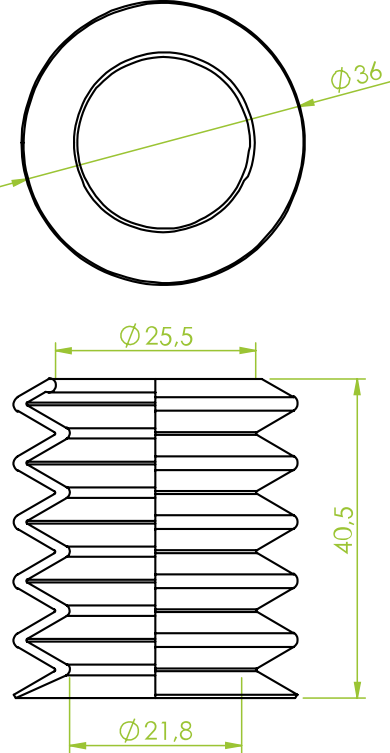


210.035.112._								
	<b>Materialcode</b> V Vinyl							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.043</td> <td>1/4" AG</td> </tr> <tr> <td>130.110</td> <td>1/8" IG</td> </tr> <tr> <td>130.238</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.043	1/4" AG	130.110	1/8" IG	130.238
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.043	1/4" AG							
130.110	1/8" IG							
130.238	1/8" AG							
12mm	7g							

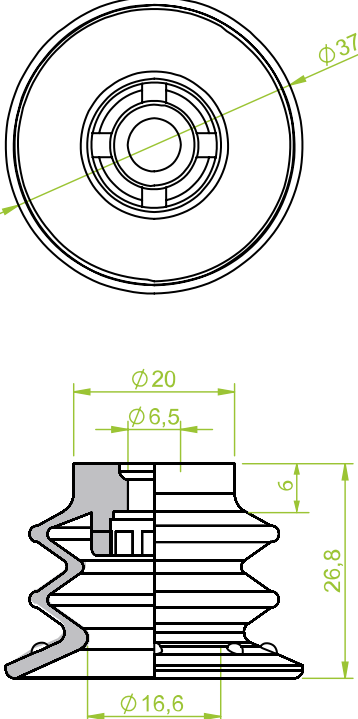


220.035.077._								
	<b>Materialcode</b> V Vinyl							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.177</td> <td>M10 AG</td> </tr> <tr> <td>130.182</td> <td>1/4" IG</td> </tr> <tr> <td>130.183</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.177	M10 AG	130.182	1/4" IG	130.183
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.177	M10 AG							
130.182	1/4" IG							
130.183	1/4" AG							
13mm	6.4g							

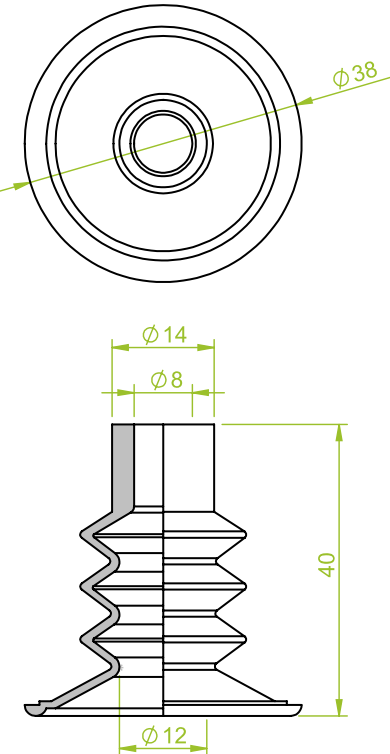


220.035.801._								
	<b>Materialcode</b> 05 Polyurethan 20 TPU							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.251</td> <td>1/8" IG</td> </tr> <tr> <td>130.293</td> <td>1/4" AG</td> </tr> <tr> <td>130.549</td> <td>1/8" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.251	1/8" IG	130.293	1/4" AG	130.549
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.251	1/8" IG							
130.293	1/4" AG							
130.549	1/8" AG							
11mm	4.4g							

250.035.005._						
	<b>Materialcode</b> 02 Silikon					
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.182</td> <td>1/4" IG</td> </tr> <tr> <td>130.183</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.182	1/4" IG	130.183
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.182	1/4" IG					
130.183	1/4" AG					
26.5mm	10g					

<b>210.036.107._</b>	
	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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
	
<b>7mm</b>	<b>4g</b>

<b>250.036.014._</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
<b>20mm</b>	<b>16g</b>

<b>220.037.116._</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.012	1/8" AG
130.540	1/8" AG
	
<b>12mm</b>	<b>6.9g</b>

<b>230.038.010._</b>	
	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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
130.248	1/4" IG
130.249	1/4" AG
130.315	M6 AG
	
<b>16mm</b>	<b>4g</b>

230.038.011._																
	<b>Materialcode</b> 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>130.112</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>130.248</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>	130.019	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
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															
130.248	1/4" IG															
130.249	1/4" AG															
16mm	5g															

240.038.018._						
	<b>Materialcode</b> 02 Silikon					
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.182	1/4" IG					
130.183	1/4" AG					
18mm	7.5g					

240.038.019._				
	<b>Materialcode</b> 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>130.049</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.049
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.049	1/4" AG			
23mm	14g			

250.038.008._				
	<b>Materialcode</b> V Vinyl			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.049</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.049
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.049	1/4" AG			
35mm	16g			



<b>250.039.009._</b>							
	<b>Materialcode</b> 02 Silikon						
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.182</td> <td>1/4" IG</td> </tr> <tr> <td>130.183</td> <td>1/4" AG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.182	1/4" IG	130.183	1/4" AG
	Halter Fitting	Gewinde Thread					
	130.182	1/4" IG					
130.183	1/4" AG						
20mm	10g						

<b>210.040.038._</b>							
	<b>Materialcode</b> 05 Polyurethan 02 Silikon						
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.312</td> <td>M6 AG</td> </tr> <tr> <td>130.628</td> <td>M8 AG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.312	M6 AG	130.628	M8 AG
	Halter Fitting	Gewinde Thread					
	130.312	M6 AG					
130.628	M8 AG						
10mm	9.6g						

<b>210.040.056._</b>													
	<b>Materialcode</b> 04 CR 09 HNBR 03 NR 05 Polyurethan												
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <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> </table>	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
	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												
10mm	12g												

<b>210.040.066._</b>													
	<b>Materialcode</b> 06 EPDM 03 NR 05 Polyurethan 02 Silikon												
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <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>130.248</td> <td>1/4" IG</td> </tr> <tr> <td>130.249</td> <td>1/4" AG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.092	1/8" IG	130.093	1/8" AG	130.099	1/4" AG	130.248	1/4" IG	130.249	1/4" AG
	Halter Fitting	Gewinde Thread											
	130.092	1/8" IG											
130.093	1/8" AG												
130.099	1/4" AG												
130.248	1/4" IG												
130.249	1/4" AG												
13mm	12.3g												

210.040.113._			
		<b>Materialcode</b>	
		03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.097	1/4" AG		
130.098	1/4" IG		
130.609	1/4" AG		
<b>7mm</b>	<b>18g</b>		

210.040.122._			
		<b>Materialcode</b>	
		03 NR	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.092	1/8" IG		
130.093	1/8" AG		
130.248	1/4" IG		
130.249	1/4" AG		
<b>9mm</b>	<b>4g</b>		

210.040.153._			
		<b>Materialcode</b>	
		04 CR 09 HNBR 03 NR 05 Polyurethan	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.538	1/8" AG		
<b>5mm</b>	<b>9.8g</b>		

210.040.173._			
		<b>Materialcode</b>	
		03 NR	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.281	1/4" AG		
130.282	1/4" IG		
130.510	1/8" AG		
<b>10mm</b>	<b>12.5g</b>		

<b>210.040.803._</b>																
	<b>Materialcode</b> 05 Polyurethan 20 TPU															
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.251</td> <td>1/8" IG</td> </tr> <tr> <td>130.293</td> <td>1/4" AG</td> </tr> <tr> <td>130.501</td> <td>1/8" IG</td> </tr> <tr> <td>130.549</td> <td>1/8" AG</td> </tr> <tr> <td>130.630</td> <td>1/8" AG</td> </tr> <tr> <td>130.902</td> <td>1/4" AG</td> </tr> <tr> <td>130.903</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde 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
Halter Fitting	Gewinde 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															
<b>9.3mm</b>	<b>11.7g</b>															

<b>211.040.011._</b>				
	<b>Materialcode</b> 06 EPDM 03 NR 05 Polyurethan 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			
<b>13mm</b>	<b>12.3g</b>			

<b>212.040.003._</b>				
	<b>Materialcode</b> 06 EPDM 03 NR 05 Polyurethan 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			
<b>13mm</b>	<b>12.3g</b>			

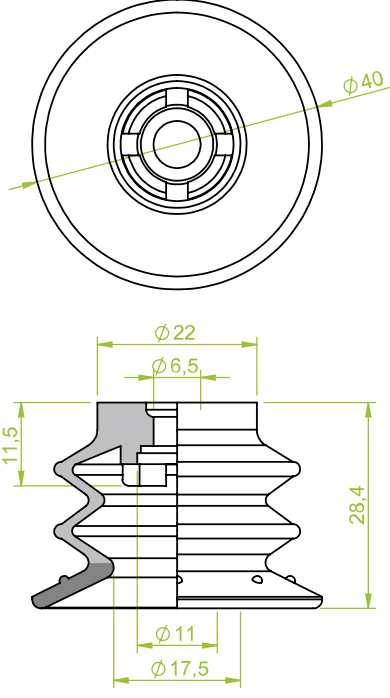


<b>213.040.011._</b>				
	<b>Materialcode</b> 03 NR 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	
Halter Fitting	Gewinde Thread			
<b>7mm</b>	<b>18g</b>			

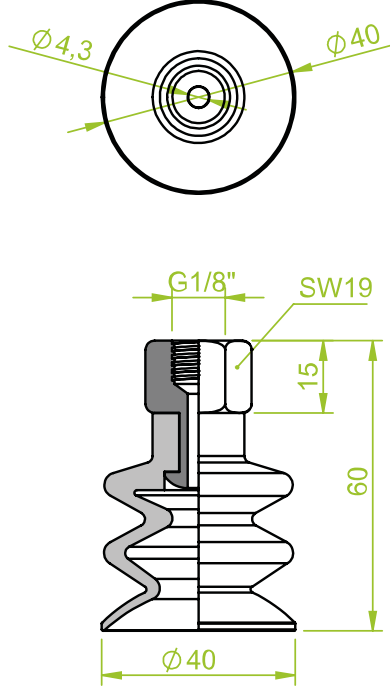


214.040.014._	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
14mm	36g

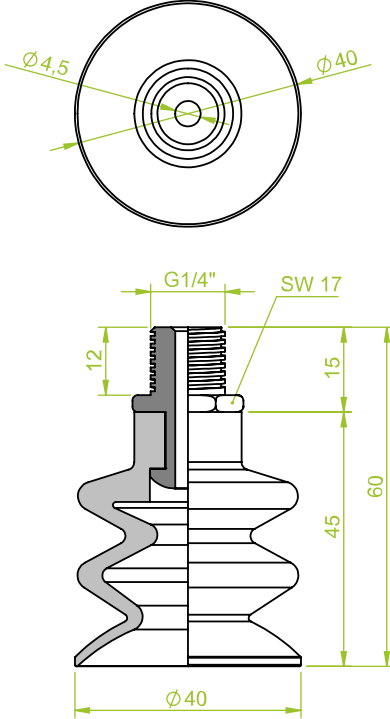


220.040.010._	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
20mm	17.6g

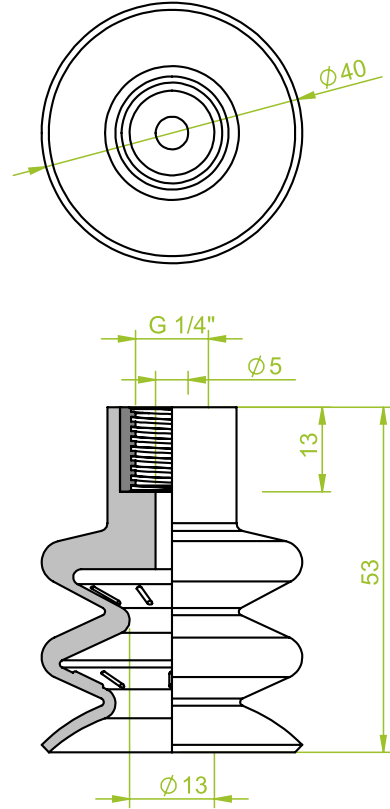


220.040.040._	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
13mm	9.1g

220.040.079._	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
20mm	14g

<b>220.040.802._</b>	
	
<b>Materialcode</b>	
05 Polyurethan 20 TPU	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.251	1/8" IG
130.293	1/4" AG
130.501	1/8" IG
130.549	1/8" AG
	
14.7mm	10.4g

<b>221.040.007._</b>	
	
<b>Materialcode</b>	
06 EPDM 09 HNBR 03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
20mm	17.6g

<b>222.040.005._</b>	
	
<b>Materialcode</b>	
06 EPDM 09 HNBR 03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
20mm	17.6g

<b>223.040.006._</b>	
	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
16mm	20g

240.040.001._						
	<b>Materialcode</b> 02 Silikon					
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.182</td> <td>1/4" IG</td> </tr> <tr> <td>130.183</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.182	1/4" IG	130.183
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.182	1/4" IG					
130.183	1/4" AG					
24mm	7g					

240.040.004._										
	<b>Materialcode</b> 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>130.136</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> </tbody> </table>	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
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									

240.040.021._				
	<b>Materialcode</b> 02 Silikon			
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Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.628	M8 AG			
21mm	14g			

240.040.022._										
	<b>Materialcode</b> 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>130.109</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> </tbody> </table>	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
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									

<b>241.040.003._</b>	
<b>Materialcode</b>	
04 CR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
20mm	36g

<b>241.040.007._</b>	
<b>Materialcode</b>	
04 CR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
20mm	15g

<b>250.040.010._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.182	1/4" IG
130.183	1/4" AG
40mm	18g

<b>210.041.108._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.092	1/8" IG
130.093	1/8" AG
130.248	1/4" IG
130.249	1/4" AG
7mm	5g



240.041.031._			
		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <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		
16mm	9g		

210.042.020._			
		<b>Materialcode</b>	
		03 NR 05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.093	1/8" AG		
130.136	1/8" IG		
130.251	1/8" IG		
130.293	1/4" AG		
9mm	10g		

210.042.123._			
		<b>Materialcode</b>	
		03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.182	1/4" IG		
11mm	3g		

210.042.124._			
		<b>Materialcode</b>	
		03 NR	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
130.097	1/4" AG		
130.098	1/4" IG		
130.181	1/8" AG		
14mm	12g		

**211.042.004.\_**

Materialcode	
04 CR	
09 HNBR	
03 NR	
05 Polyurethan	
Halter Fitting	Gewinde Thread
9mm	28g

**211.042.012.\_**

Materialcode	
04 CR	
09 HNBR	
03 NR	
05 Polyurethan	
Halter Fitting	Gewinde Thread
9mm	10g

**210.043.005.\_**

Materialcode	
04 CR	
07 FKM	
09 HNBR	
03 NR	
Halter Fitting	Gewinde Thread
12mm	10g

**211.043.014.\_**

Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
9mm	20g

<b>212.043.005._</b>	
	<b>Materialcode</b> 02 Silikon
	<b>Halter</b> <b>Gewinde</b> <i>Fitting</i> <i>Thread</i>
	<b>9mm</b> <b>18g</b>

<b>220.043.004._</b>	
	<b>Materialcode</b> 04 CR 09 HNBR 03 NR 05 Polyurethan
	<b>Halter</b> <b>Gewinde</b> <i>Fitting</i> <i>Thread</i>
	<b>19mm</b> <b>18g</b>

<b>210.044.058._</b>	
	<b>Materialcode</b> 02 Silikon
	<b>Halter</b> <b>Gewinde</b> <i>Fitting</i> <i>Thread</i>
	<b>15mm</b> <b>9.6g</b>

<b>210.044.121._</b>	
	<b>Materialcode</b> 09 HNBR
	<b>Halter</b> <b>Gewinde</b> <i>Fitting</i> <i>Thread</i>
	<b>17.5mm</b> <b>13g</b>

<b>213.044.008._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
15mm	15g

<b>214.044.001._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
14mm	25g

<b>220.045.103._</b>	
<b>Materialcode</b>	
V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
mm	0g

<b>210.046.174._</b>	
<b>Materialcode</b>	
03 NR V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
7mm	6g

<b>220.048.095._</b>					
	<b>Materialcode</b> 02 Silikon				
	<table border="1"> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td></td> <td></td> </tr> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
25mm	33g				

<b>210.050.032._</b>											
	<b>Materialcode</b> 02 Silikon										
	<table border="1"> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </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> </table>	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
	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										

<b>210.050.039._</b>					
	<b>Materialcode</b> 02 Silikon				
	<table border="1"> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td>130.256</td> <td>M8 AG</td> </tr> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.256	M8 AG
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
	130.256	M8 AG			
10mm	12.8g				

<b>210.050.057._</b>							
	<b>Materialcode</b> 04 CR 09 HNBR 03 NR 05 Polyurethan						
	<table border="1"> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td>130.012</td> <td>1/8" AG</td> </tr> <tr> <td>130.314</td> <td>M6 AG</td> </tr> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.012	1/8" AG	130.314	M6 AG
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
	130.012	1/8" AG					
130.314	M6 AG						
10mm	22.3g						

210.050.115._																		
	<b>Materialcode</b> 04 CR 03 NR 05 Polyurethan 02 Silikon																	
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	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 Fitting	Gewinde Thread																	
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																	
<b>11mm</b>	<b>20g</b>																	

210.050.116._												
	<b>Materialcode</b> 02 Silikon											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.092	1/8" IG	130.093	1/8" AG	130.248	1/4" IG	130.249	1/4" AG	130.315
Halter Fitting	Gewinde Thread											
130.092	1/8" IG											
130.093	1/8" AG											
130.248	1/4" IG											
130.249	1/4" AG											
130.315	M6 AG											
<b>10mm</b>	<b>19g</b>											

210.050.117._				
	<b>Materialcode</b> 03 NR 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.609</td> <td>1/4" AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.609
Halter Fitting	Gewinde Thread			
130.609	1/4" AG			
<b>12mm</b>	<b>18g</b>			

210.050.118._						
	<b>Materialcode</b> 03 NR					
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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 Fitting	Gewinde Thread	130.132	1/8" AG	130.614
Halter Fitting	Gewinde Thread					
130.132	1/8" AG					
130.614	1/4" AG					
<b>10mm</b>	<b>20g</b>					

210.050.119._				
	<b>Materialcode</b> 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></td> <td></td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
8mm	12.6g			

210.050.221._				
	<b>Materialcode</b> 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>			
mm	23g			

210.050.804._				
	<b>Materialcode</b> 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></td> <td></td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
14.4mm	20.5g			

211.050.005._				
	<b>Materialcode</b> 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>			
12mm	54g			



<b>213.050.012._</b>													
		<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">03 NR 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>12mm</td> <td>21g</td> </tr> </table>		Materialcode		03 NR 02 Silikon		Halter Fitting	Gewinde Thread				
Materialcode													
03 NR 02 Silikon													
Halter Fitting	Gewinde Thread												
12mm	21g												

<b>220.050.038._</b>													
		<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">03 NR 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>18mm</td> <td>20g</td> </tr> </table>		Materialcode		03 NR 02 Silikon		Halter Fitting	Gewinde Thread				
Materialcode													
03 NR 02 Silikon													
Halter Fitting	Gewinde Thread												
18mm	20g												

<b>220.050.081._</b>													
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Materialcode													
V Vinyl													
Halter Fitting	Gewinde Thread												
15mm	20g												

<b>220.050.082._</b>													
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Materialcode													
03 NR 02 Silikon													
Halter Fitting	Gewinde Thread												
8mm	30g												

220.050.083._								
	<b>Materialcode</b> V Vinyl							
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.097</td> <td>1/4" AG</td> </tr> <tr> <td>130.098</td> <td>1/4" IG</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	130.609
Halter <i>Fitting</i>	Gewinde <i>Thread</i>							
130.097	1/4" AG							
130.098	1/4" IG							
130.609	1/4" AG							
20mm	20g							

220.050.084._						
	<b>Materialcode</b> V Vinyl					
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.049</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>	130.049	1/4" AG	130.609
Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
130.049	1/4" AG					
130.609	1/4" AG					
25mm	20g					

220.050.120._				
	<b>Materialcode</b> 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> </thead> <tbody> <tr> <td>130.616</td> <td>1/2" AG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.616
Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
130.616	1/2" AG			
13mm	12g			

220.050.803._												
	<b>Materialcode</b> 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>130.252</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>130.908</td> <td>1/4" AG</td> </tr> <tr> <td>130.909</td> <td>1/4" IG</td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.252	1/8" IG	130.294	1/4" AG	130.296	3/8" AG	130.908	1/4" AG	130.909
Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.252	1/8" IG											
130.294	1/4" AG											
130.296	3/8" AG											
130.908	1/4" AG											
130.909	1/4" IG											
20mm	20g											

<b>223.050.001._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
18mm	30g

<b>223.050.009._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
8mm	30g

<b>240.050.005._</b>	
<b>Materialcode</b>	
04 CR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.252	1/8" IG
130.294	1/4" AG
130.296	3/8" AG
25mm	25g

<b>241.050.004._</b>	
<b>Materialcode</b>	
04 CR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
25mm	37g

<b>241.050.008._</b>	
<b>Materialcode</b>	
04 CR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
25mm	25g

<b>210.052.032._</b>	
<b>Materialcode</b>	
04 CR 07 FKM 09 HNBR 03 NR	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
12mm	22g

<b>210.052.125._</b>	
<b>Materialcode</b>	
V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
6mm	16g

<b>210.052.129._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
6mm	14g

211.052.005._							
	<b>Materialcode</b> 04 CR 07 FKM 09 HNBR 03 NR						
	<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> <tr> <td>12mm</td> <td>54g</td> </tr> </table>			12mm	54g			
12mm	54g						

211.052.013._							
	<b>Materialcode</b> 04 CR 07 FKM 09 HNBR 03 NR						
	<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> <tr> <td>12mm</td> <td>22g</td> </tr> </table>			12mm	22g			
12mm	22g						

212.052.013._							
	<b>Materialcode</b> 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> <tr> <td>14mm</td> <td>32.8g</td> </tr> </table>			14mm	32.8g			
14mm	32.8g						

220.052.085._							
	<b>Materialcode</b> 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> <tr> <td>12mm</td> <td>25g</td> </tr> </table>			12mm	25g			
12mm	25g						

<b>210.053.017._</b>											
	<b>Materialcode</b> 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	1/4" IG
	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										
<table border="1"> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>											
11mm	19g										

<b>212.053.009._</b>					
	<b>Materialcode</b> 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>			
	<table border="1"> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>				
14mm	32.7g				

<b>214.055.015._</b>					
	<b>Materialcode</b> 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></td> <td></td> </tr> </tbody> </table>	Halter <i>Fitting</i>	Gewinde <i>Thread</i>		
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>			
	<table border="1"> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>				
20mm	47g				

<b>210.056.127._</b>							
	<b>Materialcode</b> 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>130.049</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>	130.049	1/4" AG	130.609	1/4" AG
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>					
	130.049	1/4" AG					
	130.609	1/4" AG					
<table border="1"> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>							
16mm	16g						

<b>240.058.025._</b>	
<b>Materialcode</b>	
V Vinyl	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
55mm	46g

<b>210.060.023._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon 12 verstärktes Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
15mm	33g

<b>210.060.130._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
12mm	40g

<b>211.060.012._</b>	
<b>Materialcode</b>	
03 NR 05 Polyurethan 02 Silikon 12 verstärktes Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
15mm	33g



<b>211.060.015._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
11mm	45g

<b>212.060.004._</b>	
<b>Materialcode</b>	
03 NR 05 Polyurethan 02 Silikon 12 verstärktes Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
15mm	33g

<b>220.060.026._</b>	
<b>Materialcode</b>	
06 EPDM 03 NR 05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
24mm	60g

<b>220.060.037._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
25mm	40g

<b>220.060.086._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
130.097	1/4" AG
130.098	1/4" IG
27mm	40g

<b>220.060.087._</b>	
<b>Materialcode</b>	
03 NR 02 Silikon	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
25mm	30g

<b>220.060.100._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
130.132	1/8" AG
130.248	1/4" IG
130.249	1/4" AG
35mm	29.6g

<b>220.060.131._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter Fitting</b>	<b>Gewinde Thread</b>
12mm	0g

221.060.010._				
	<b>Materialcode</b> 06 EPDM 05 Polyurethan 02 Silikon 12 verstärktes 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			
	<table border="1"> <tbody> <tr> <td>24mm</td> <td>55g</td> </tr> </tbody> </table>	24mm	55g	
24mm	55g			

221.060.026._				
	<b>Materialcode</b> 06 EPDM 05 Polyurethan 02 Silikon 12 verstärktes 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			
	<table border="1"> <tbody> <tr> <td>35mm</td> <td>37.6g</td> </tr> </tbody> </table>	35mm	37.6g	
35mm	37.6g			

222.060.006._				
	<b>Materialcode</b> 06 EPDM 05 Polyurethan 02 Silikon 12 verstärktes 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			
	<table border="1"> <tbody> <tr> <td>24mm</td> <td>54.8g</td> </tr> </tbody> </table>	24mm	54.8g	
24mm	54.8g			

220.062.035._				
	<b>Materialcode</b> 04 CR 09 HNBR 03 NR 05 Polyurethan			
	<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			
	<table border="1"> <tbody> <tr> <td>25mm</td> <td>45.7g</td> </tr> </tbody> </table>	25mm	45.7g	
25mm	45.7g			

<b>221.062.002._</b>				
	<b>Materialcode</b> 02 Silikon			
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.282</td> <td>1/4" IG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.282
Halter Fitting	Gewinde Thread			
130.282	1/4" IG			
25mm	60g			

<b>222.062.009._</b>				
	<b>Materialcode</b> 02 Silikon 12 verstärktes Silikon			
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.281</td> <td>1/4" AG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.281
Halter Fitting	Gewinde Thread			
130.281	1/4" AG			
25mm	60g			

<b>243.069.001._</b>				
	<b>Materialcode</b> V Vinyl			
	<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			
32mm	122g			

<b>210.070.105._</b>				
	<b>Materialcode</b> 02 Silikon V Vinyl			
	<table border="1"> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.145 130.184</td> <td>1/4" AG 1/4" AG</td> </tr> </table>	Halter Fitting	Gewinde Thread	130.145 130.184
Halter Fitting	Gewinde Thread			
130.145 130.184	1/4" AG 1/4" AG			
20mm	40g			

<b>213.070.013._</b>	
V Vinyl	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
13mm	50g

<b>213.070.800._</b>	
05 Polyurethan 20 TPU	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
18mm	61.5g

<b>214.070.800._</b>	
05 Polyurethan 20 TPU	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
18mm	61g

<b>223.070.800._</b>	
05 Polyurethan 20 TPU	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
23mm	66.5g

<b>224.070.800._</b>	
<b>Materialcode</b>	
05 Polyurethan 20 TPU	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
23mm	60.4g

<b>210.075.033._</b>	
<b>Materialcode</b>	
05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.138	1/8" IG
22mm	45g

<b>210.075.051._</b>	
<b>Materialcode</b>	
02 Silikon 12 verstärktes Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.190	1/4" AG
130.192	1/4" IG
17mm	20g

<b>210.075.128._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.049	1/4" AG
130.451	1/4" AG
130.452	1/4" IG
20mm	35g

<b>211.075.006._</b>				
	<b>Materialcode</b> 05 Polyurethan 02 Silikon			
	<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			
22mm	113g			

<b>213.075.038._</b>				
	<b>Materialcode</b>			
	<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			
15mm	87g			

<b>214.075.016._</b>				
	<b>Materialcode</b> 02 Silikon			
	<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			
14.5mm	85g			

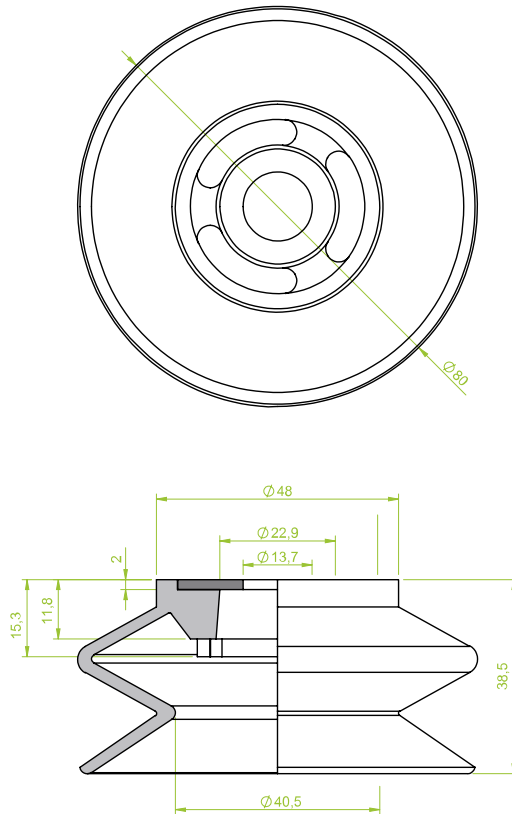


210.078.131._				<b>Materialcode</b> 03 NR 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
		130.184	1/4" AG		
		130.622	1/4" AG		
		130.623	1/4" IG		
		14mm	55g		

211.078.016._		<b>Materialcode</b> 03 NR 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		15mm	130g

213.078.007._		<b>Materialcode</b> 05 Polyurethan 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		21mm	73g

215.080.003.\_



**Materialcode**

09 HNBR  
03 NR

**Halter**  
*Fitting*

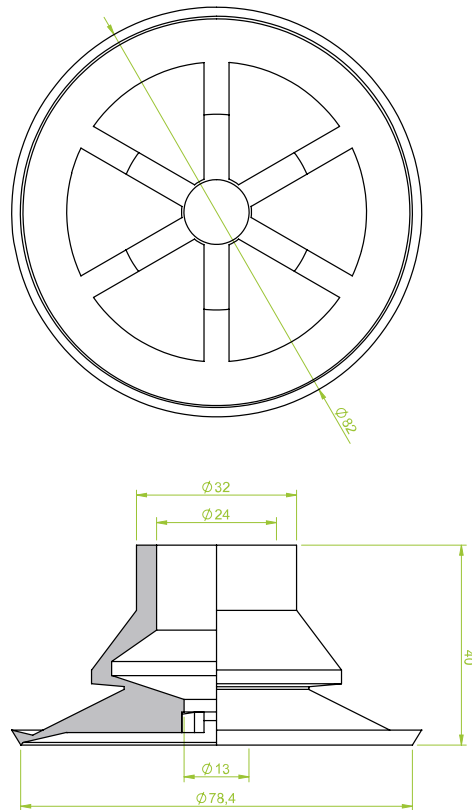
**Gewinde**  
*Thread*



23mm

64g

210.082.133.\_



**Materialcode**

02 Silikon

**Halter**  
*Fitting*

**Gewinde**  
*Thread*

130.327

1/4" AG



7mm

41g

243.084.002._				<b>Materialcode</b> V Vinyl	
		<b>Halter</b> <i>Fitting</i>		<b>Gewinde</b> <i>Thread</i>	
		31mm		126g	

213.085.006._		<b>Materialcode</b>	
		<b>Halter</b> <i>Fitting</i>	
		<b>Gewinde</b> <i>Thread</i>	
		17mm	
		120g	

213.085.009._		<b>Materialcode</b> 12 verstärktes Silikon	
		<b>Halter</b> <i>Fitting</i>	
		<b>Gewinde</b> <i>Thread</i>	
		13mm	
		139g	

213.085.016._		
	<b>Materialcode</b>	
	V Vinyl	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
7mm	48g	

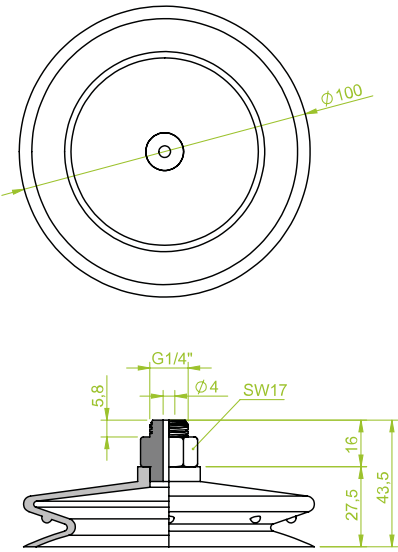
214.085.002._		<b>vulkanisiert</b>
	<b>Materialcode</b>	12 verstärktes Silikon
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	13mm	174g

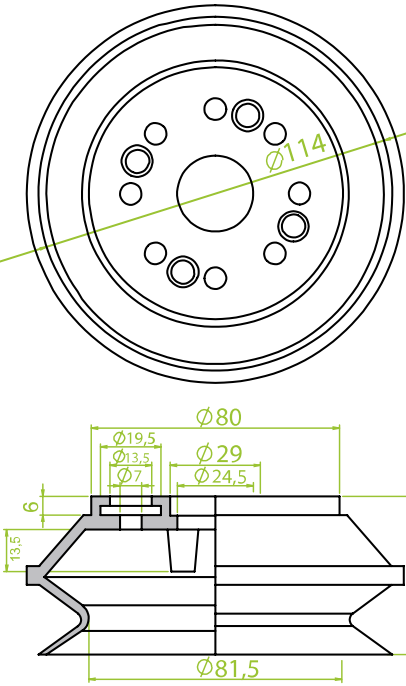
222.085.010._	
	Materialcode
Halter Fitting	Gewinde Thread
30mm	170g

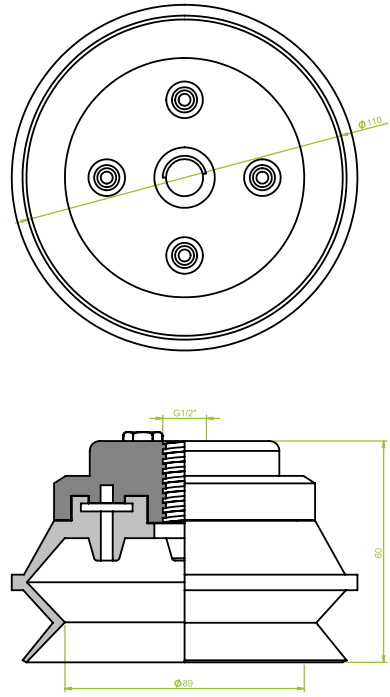
223.085.007._		vulkanisiert
	Materialcode	
	03 NR 02 Silikon 12 verstärktes Silikon	
Halter Fitting	Gewinde Thread	
33mm	190g	

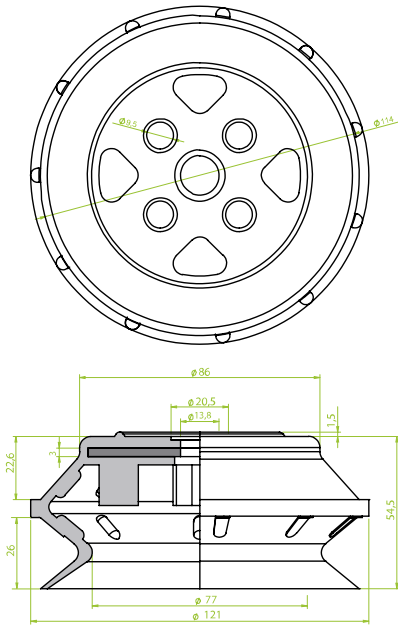
224.085.001._		vulkanisiert
	Materialcode	
	12 verstärktes Silikon	
Halter Fitting	Gewinde Thread	
38mm	209g	

220.088.036._	
	Materialcode
	02 Silikon
Halter Fitting	Gewinde Thread
35mm	170g

<b>214.100.017._</b>	
	
<b>Materialcode</b>	
05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
14.5mm	155g

<b>210.110.034._</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.139	1/2" IG
35mm	110g

<b>211.110.007._</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
35mm	260g

<b>210.115.047._</b>	
	
<b>Materialcode</b>	
09 HNBR 05 Polyurethan 02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.056	1/2" IG
29mm	267.9g

211.115.017.\_

Materialcode	
09 HNBR 05 Polyurethan 02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
29mm	695g

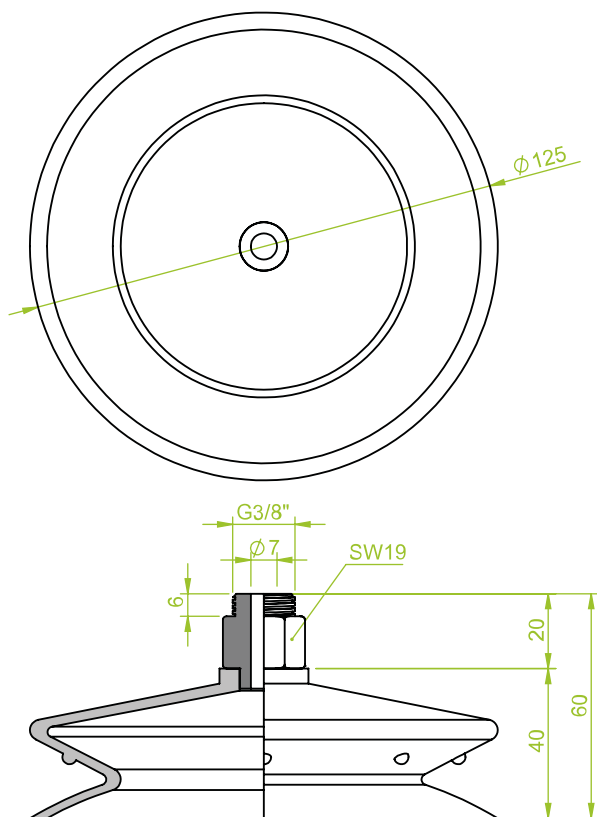
213.115.033.\_

**vulkanisiert**

Materialcode	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
40mm	115.1g



214.125.018.\_



**Materialcode**

05 Polyurethan  
02 Silikon

**Halter**  
*Fitting*

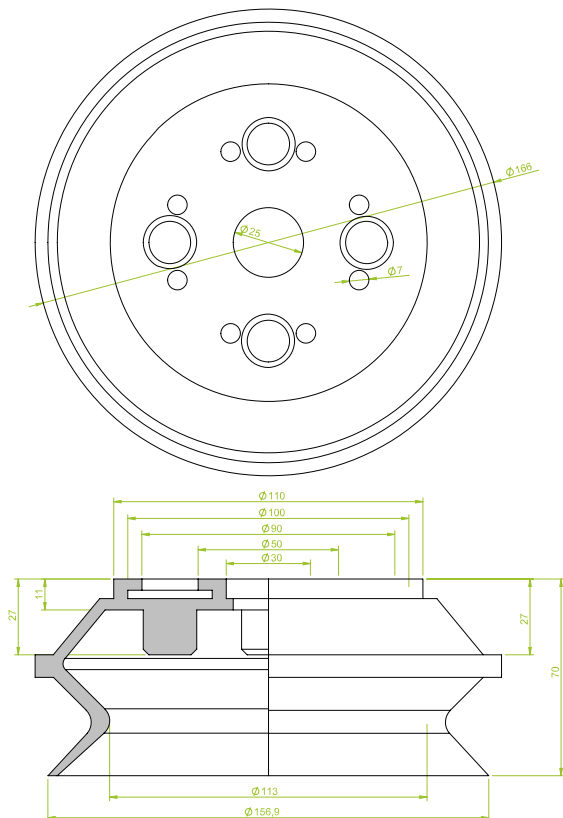
**Gewinde**  
*Thread*



26mm

0g

210.150.035.\_



**Materialcode**

02 Silikon

**Halter**  
*Fitting*

**Gewinde**  
*Thread*

130.140

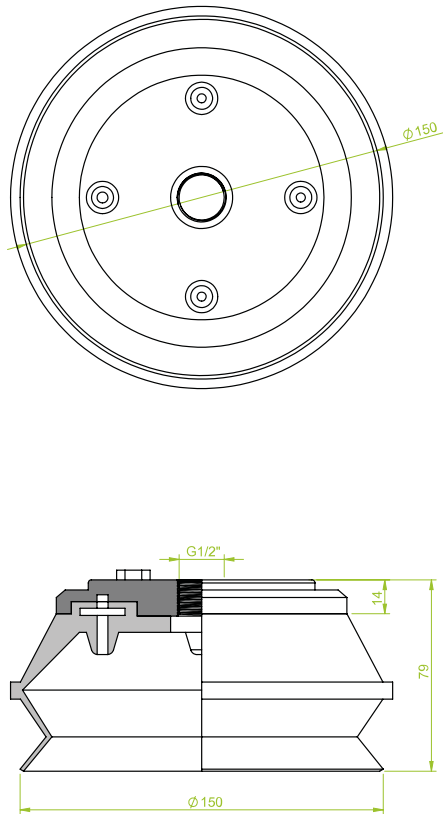
1/2" IG



40mm

293g

211.150.008.\_



Materialcode

02 Silikon

Halter  
Fitting

Gewinde  
Thread

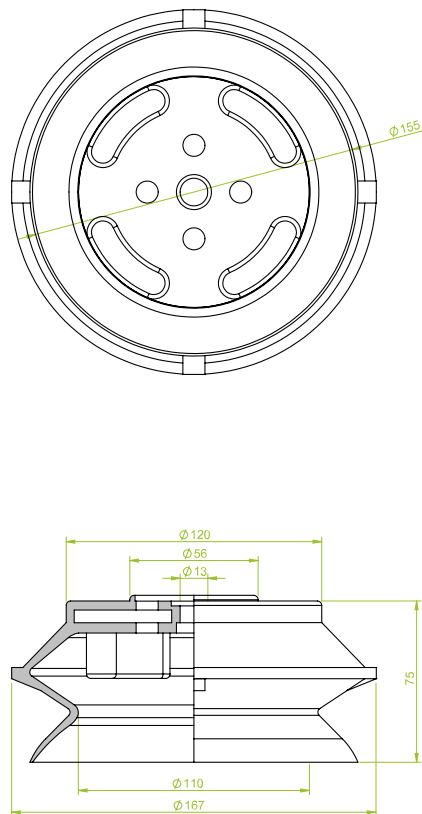


40mm



580g

210.155.048.\_



Materialcode

02 Silikon

Halter  
Fitting

Gewinde  
Thread

130.056

1/2" IG

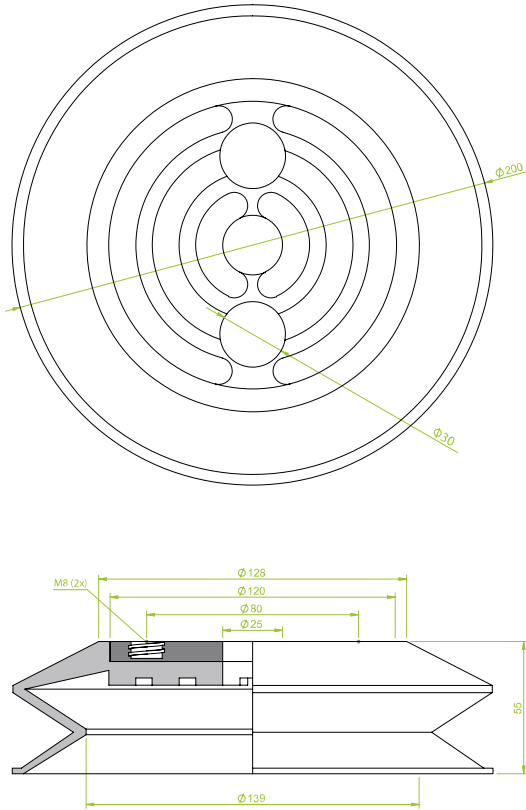


38mm



495g

213.200.022.\_



Materialcode

03 NR

Halter  
Fitting

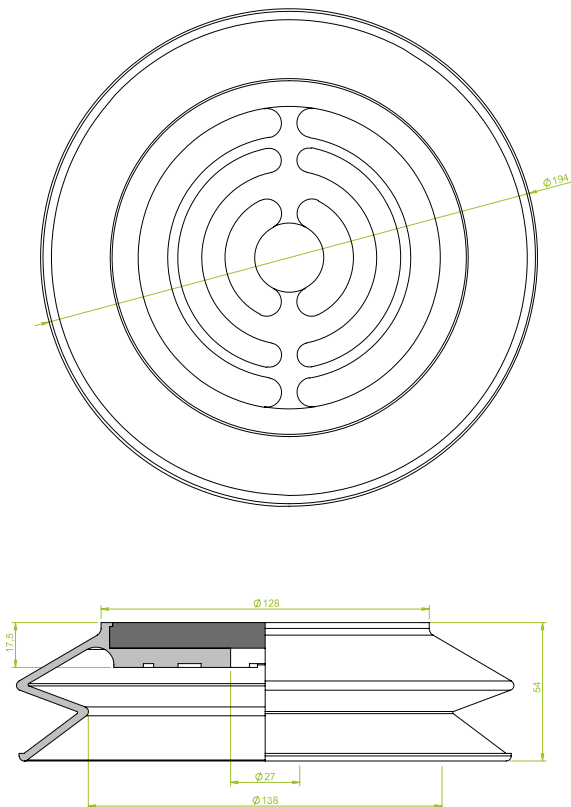
Gewinde  
Thread



38mm

520g

215.200.007.\_



Materialcode

03 NR

Halter  
Fitting

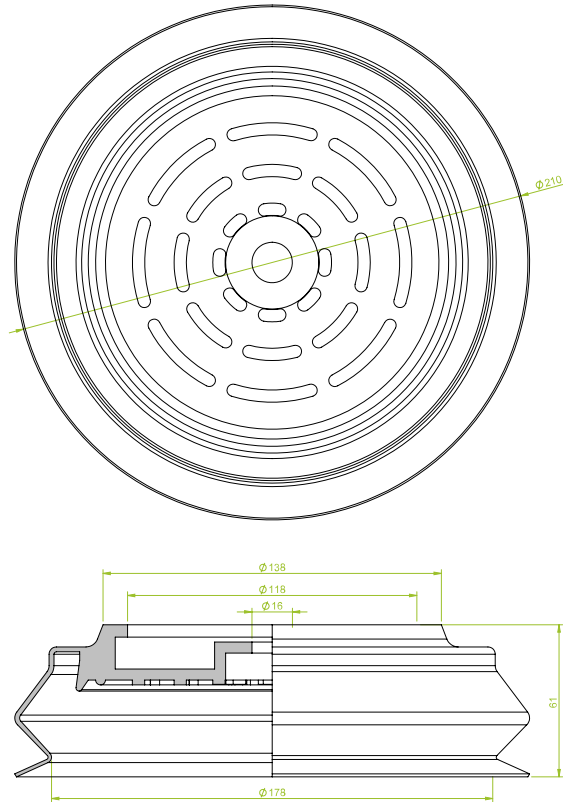
Gewinde  
Thread



30mm

586.4g

210.210.135\_



Materialcode

03 NR

Halter  
Fitting

Gewinde  
Thread



mm

0g

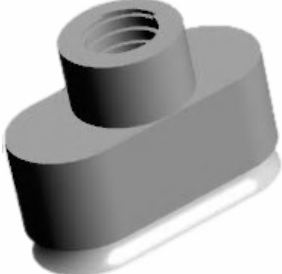
**Aufbau & Ausführungen | Structure & Versions**

Ohne Anschluss  
Without fitting  
**30.**



30.015005.017.\_

Inkl. Anschluss, gesteckt, Innengewinde  
Incl. plugged fitting, female thread  
**31.**



31.020012.002.\_

Inkl. Anschluss, gesteckt, Aussengewinde  
Incl. plugged fitting, male thread  
**32.**



32.01005.007.\_

Inkl. Anschluss, vulkanisiert, Innengewinde  
Incl. vulcanized fitting, female thread  
**33.**



33.116027.024.\_

Inkl. Anschluss, vulkanisiert, Aussengewinde  
Incl. vulcanized fitting, male thread  
**34.**



34.067028.0829.\_

Vulkanisiert, ohne Gewinde/Bohrung  
Vulcanized, without thread/hole  
**35.**



35.11040.016.\_

**Example:** Oval-Rechteck Flachsauger ohne Anschluss 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.

Besonderheit / Feature

Art. Nr. NO.

33.042018.033.\_

vulkanisiert

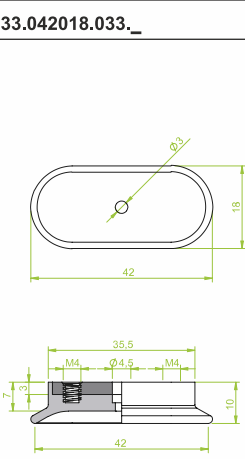
Ergänzung zur Art.Nr. Bei Bestellung  
Supplement to the NO. When ordering

Passendes Befestigungselement  
Suitable mounting element

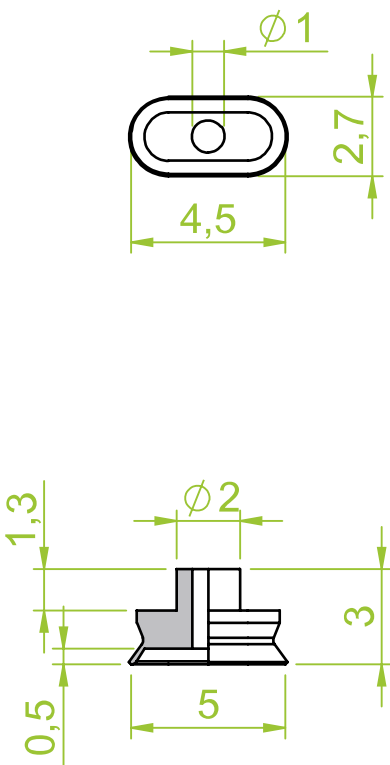






Hub / Travel

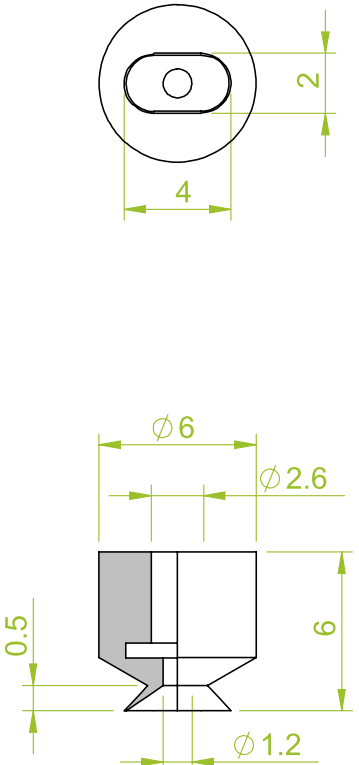






Gewicht / Weight

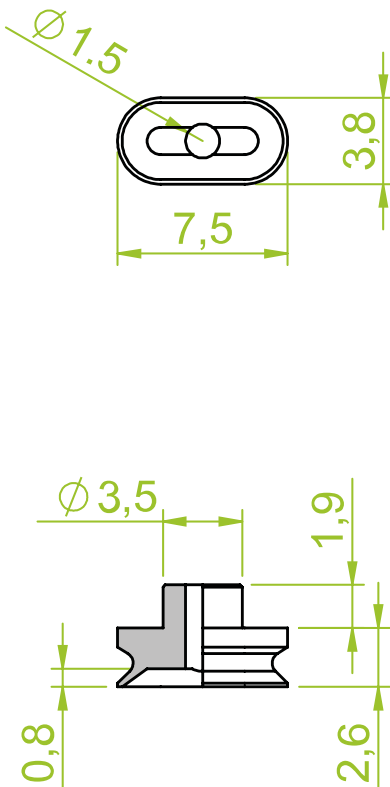






Materialcode	
01 NBR 02 Silikon	
Halter Fitting	Gewinde Thread
3mm	
5g	



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

<b>30.004002.002._</b>													
	<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td>130.011</td> <td>M3 AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>0.5mm</td> <td>0.03g</td> </tr> </table>	Materialcode		02 Silikon		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.011	M3 AG			0.5mm	0.03g
	Materialcode												
	02 Silikon												
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.011	M3 AG												
													
0.5mm	0.03g												

<b>30.004002.003._</b>													
	<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td>130.300</td> <td>M5 AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>0.5mm</td> <td>0.05g</td> </tr> </table>	Materialcode		02 Silikon		Halter <i>Fitting</i>	Gewinde <i>Thread</i>	130.300	M5 AG			0.5mm	0.05g
	Materialcode												
	02 Silikon												
	Halter <i>Fitting</i>	Gewinde <i>Thread</i>											
130.300	M5 AG												
													
0.5mm	0.05g												

<b>30.007004.004._</b>													
	<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <th>Halter <i>Fitting</i></th> <th>Gewinde <i>Thread</i></th> </tr> <tr> <td>130.014 130.025 130.030 130.111</td> <td>M3 AG M3 AG 1/8" AG M4 AG</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>0.8mm</td> <td>0.1g</td> </tr> </table>	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
	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												

30.007004.005._		<b>Materialcode</b>	
		02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		130.014 130.025 130.111 130.300	M3 AG M3 AG M4 AG M5 AG
		0.8mm	0.1g

30.010004.006._		<b>Materialcode</b>	
		02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		130.339	M6 AG
		1mm	0.3g

32.010004.006._		<b>Materialcode</b>	
		02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		1mm	1.8g

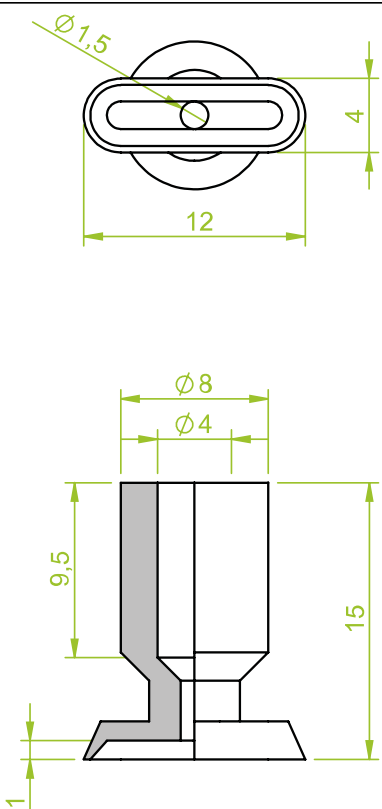




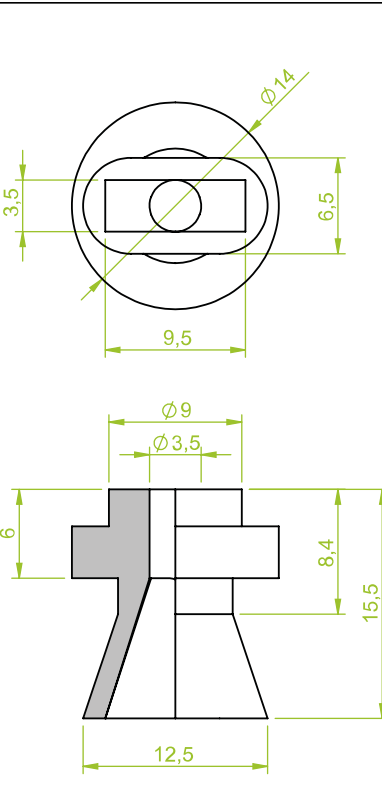


<b>30.010005.007._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
1mm	0.3g

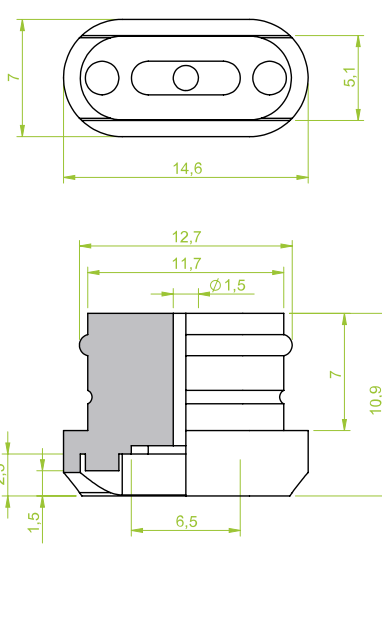


<b>32.010005.007._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
1mm	1.8g

<b>30.010006.008._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
1mm	0.3g

<b>32.010006.008._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
1mm	1.9g

<b>30.012004.029._</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.024	M5 AG
130.104	M6 AG
130.134	M5 AG
	
<b>0.5mm</b>	<b>0.6g</b>

<b>30.013007.030._</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
<b>0mm</b>	<b>0.5g</b>

<b>30.014007.074._</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
<b>2mm</b>	<b>0.6g</b>

<b>30.014007.076._</b>		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b>	<b>Gewinde</b>	<b>Halter</b>	<b>Gewinde</b>
<i>Fitting</i>	<i>Thread</i>		
2mm		0.6g	

<b>30.015005.017._</b>		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b>	<b>Gewinde</b>		
<i>Fitting</i>	<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		
1mm		0.5g	

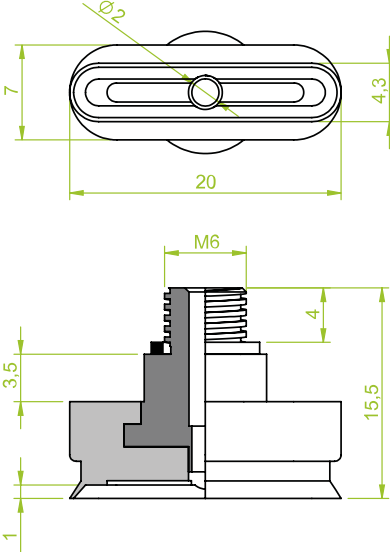


<b>30.015008.031._</b>		<b>Materialcode</b>	
		02 Silikon	
<b>Halter</b>	<b>Gewinde</b>		
<i>Fitting</i>	<i>Thread</i>		
2mm		0.2g	

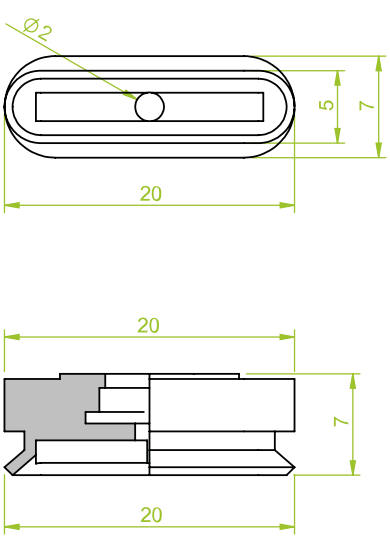


<b>30.017009.073._</b>		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
<b>3mm</b>	<b>1.3g</b>	

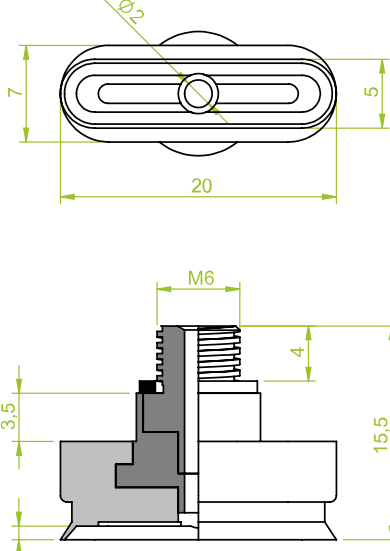


<b>30.018006.018._</b>		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.005 130.013 130.095 130.096 130.103	M5 IG M5 AG 1/8" AG 1/8" IG M6 AG
<b>1mm</b>	<b>0.5g</b>	

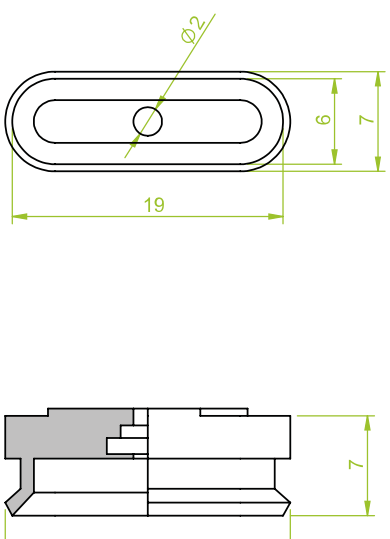


<b>30.019005.032._</b>		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
<b>0mm</b>	<b>1g</b>	

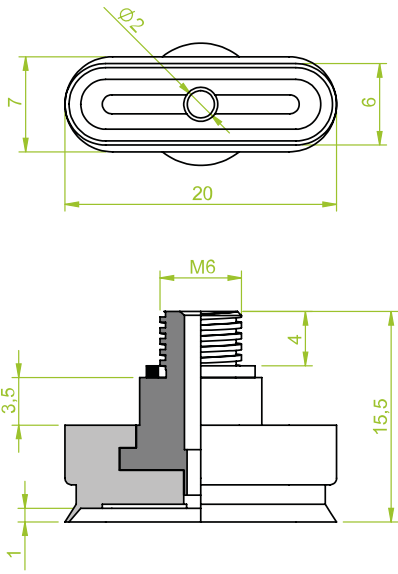


<b>30.020004.009._</b>		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.340	M6 AG
<b>1mm</b>	<b>0.6g</b>	

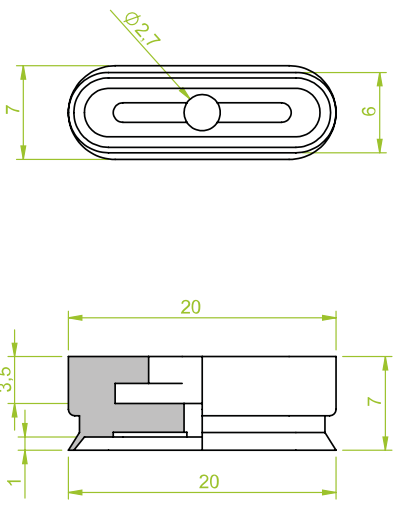


<b>32.020004.009_</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
1mm	2.3g

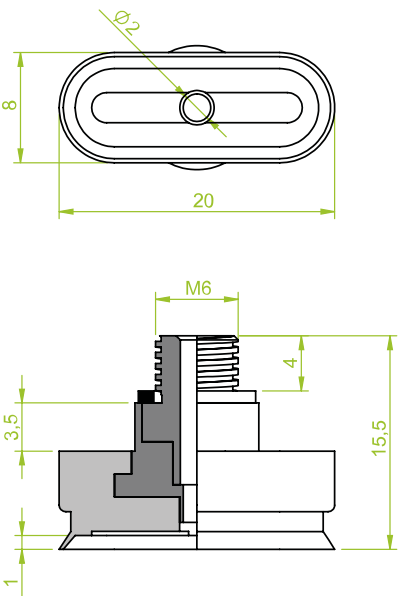


<b>30.020005.010_</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.340	M6 AG
	
1mm	0.6g

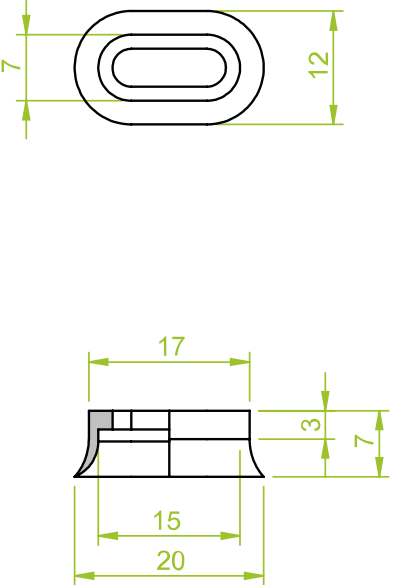


<b>32.020005.010_</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
1mm	2.4g

<b>30.020006.011_</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.340	M6 AG
	
1mm	0.6g

<b>32.020006.011._</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
1mm	2.4g

<b>30.020008.012._</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.340	M6 AG
	
1mm	0.6g

<b>32.020008.012._</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
1mm	2.4g

<b>30.020012.033._</b>	
	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	
1mm	1g

31.020012.002._	
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
1mm	5.2g

30.021013.072._	
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
130.109	1/8" IG
130.238	1/8" AG
130.317	M5 AG
0.3mm	0.9g

30.024008.019._		<b>Mit Ohrklemme</b>	
		Materialcode	
		02 Silikon	
Halter Fitting	Gewinde Thread		
		130.005	M5 IG
		130.094	M5 AG
		130.095	1/8" AG
		130.103	M6 AG
1mm	1g		

30.025009.040._	
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
0mm	1g



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	

32.030004.013._		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
1mm	2.7g	

30.030005.014._		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.340	M6 AG
1mm	1g	

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

32.030006.015._		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
1mm	2.7g	

30.030008.016._		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.340	M6 AG
1mm	1g	

32.030008.016._				<b>Materialcode</b>	
				02 Silikon	
		<b>Halter</b> <i>Fitting</i>		<b>Gewinde</b> <i>Thread</i>	
		1mm		2.7g	

30.030010.020._		<b>Mit Ohrklemme</b>		30.030012.042._	
		<b>Materialcode</b>		<b>Materialcode</b>	
		02 Silikon		02 Silikon	
		<b>Halter</b> <i>Fitting</i>		<b>Halter</b> <i>Fitting</i>	
		<b>Gewinde</b> <i>Thread</i>		<b>Gewinde</b> <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	

31.030012.003._				<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>1mm</td> <td>8.3g</td> </tr> </table>		Materialcode		02 Silikon		Halter Fitting	Gewinde Thread			1mm	8.3g
Materialcode															
02 Silikon															
Halter Fitting	Gewinde Thread														
1mm	8.3g														

30.036012.021._				<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td>130.005</td> <td>M5 IG</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></td> <td></td> </tr> <tr> <td>2mm</td> <td>1.8g</td> </tr> </table>		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
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._				<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>1mm</td> <td>0.5g</td> </tr> </table>		Materialcode		02 Silikon		Halter Fitting	Gewinde Thread			1mm	0.5g
Materialcode															
02 Silikon															
Halter Fitting	Gewinde Thread														
1mm	0.5g														

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		







<b>30.045015.022._</b>	
<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.097	1/4" AG
130.098	1/4" IG
130.181	1/8" AG
130.245	1/4" AG
3mm	4.2g

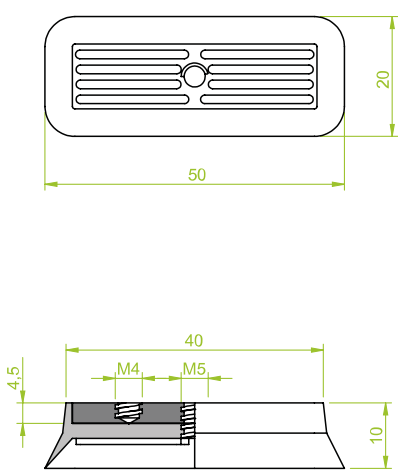
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<b>Materialcode</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.310	M5 AG
3mm	2.2g



<b>33.045015.022._</b>		<b>vulkanisiert</b>
<b>Materialcode</b>		
02 Silikon		
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>	
mm	g	

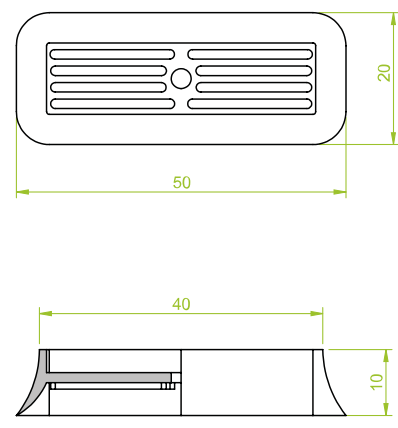
<b>33.050020.005._</b>		<b>vulkanisiert</b>
<b>Materialcode</b>		
02 Silikon		
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>	
3mm	18g	



33.050020.006._		<b>vulkanisiert</b>	
<b>Materialcode</b>			
02 Silikon			
<b>Halter</b>		<b>Gewinde</b>	
<i>Fitting</i>		<i>Thread</i>	
			
mm		0g	

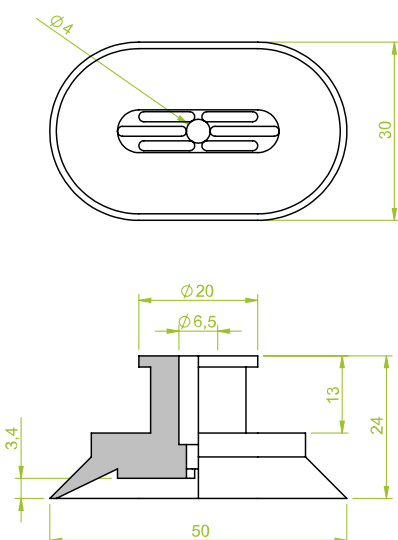
33.050020.019._		<b>vulkanisiert</b>	
<b>Materialcode</b>			
02 Silikon			
<b>Halter</b>		<b>Gewinde</b>	
<i>Fitting</i>		<i>Thread</i>	
			
2mm		20g	



35.050020.010._		<b>vulkanisiert</b>	
<b>Materialcode</b>			
02 Silikon			
<b>Halter</b>		<b>Gewinde</b>	
<i>Fitting</i>		<i>Thread</i>	
			
2mm		20g	



30.050030.047._		<b>vulkanisiert</b>	
<b>Materialcode</b>			
02 Silikon			
<b>Halter</b>		<b>Gewinde</b>	
<i>Fitting</i>		<i>Thread</i>	
			
5mm		9.4g	







30.053012.071._				<b>Materialcode</b> 02 Silikon	
		<b>Halter</b> <i>Fitting</i>		<b>Gewinde</b> <i>Thread</i>	
		1.5mm		0.7g	





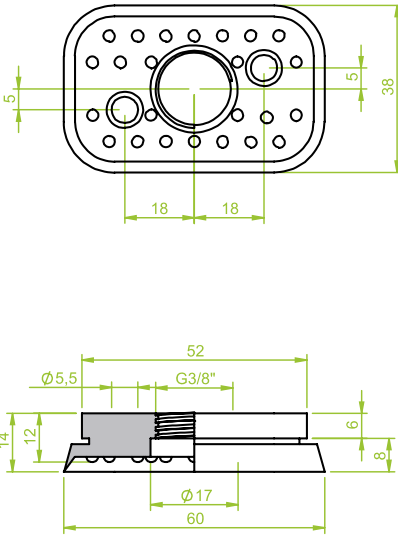
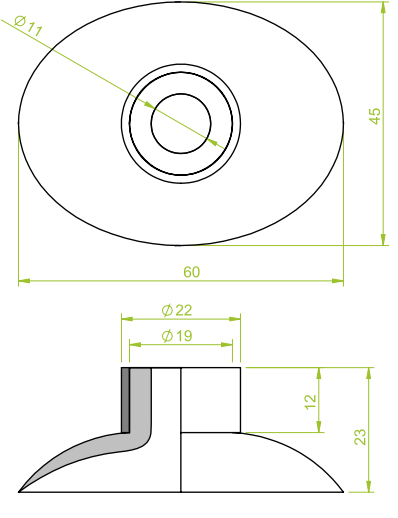
30.055012.044._		<b>Materialcode</b> 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	
		<b>Gewinde</b> <i>Thread</i>	
		1mm	
		0.7g	

31.055012.005._		<b>Materialcode</b> 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	
		<b>Gewinde</b> <i>Thread</i>	
		1mm	
		16g	

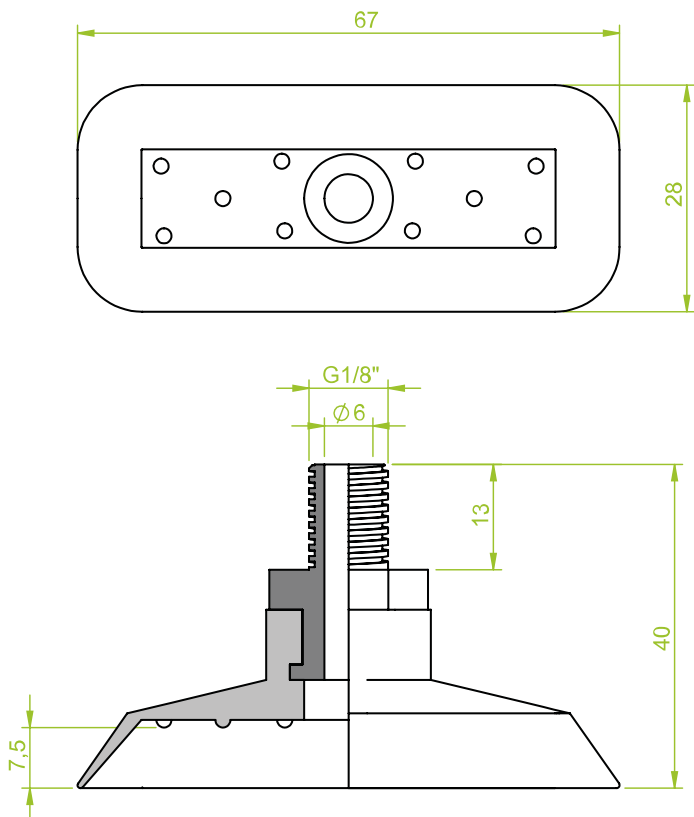
30.060020.023._		<b>Mit Ohrklemme</b>	
	<b>Materialcode</b>		
	02 Silikon		
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>	
	130.097	1/4" AG	
	130.098	1/4" IG	
130.245	1/4" AG		
4mm		9g	

30.060020.069._		<b>Materialcode</b>			
		02 Silikon			
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
		4mm		13.7g	

33.060020.008._	<b>vulkanisiert</b>		33.060030.101._	
	<b>Materialcode</b>		<b>Materialcode</b>	
	02 Silikon		02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
				
2.5mm	27g	mm	0g	

33.060038.002._	<b>vulkanisiert</b>		30.060045.048._		
	<b>Materialcode</b>		<b>Materialcode</b>		
	02 Silikon		02 Silikon		
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>	
					
	2mm	40g		10mm	5g

34.067028.0829.\_



**Materialcode**

02 Silikon

**Halter**  
*Fitting*

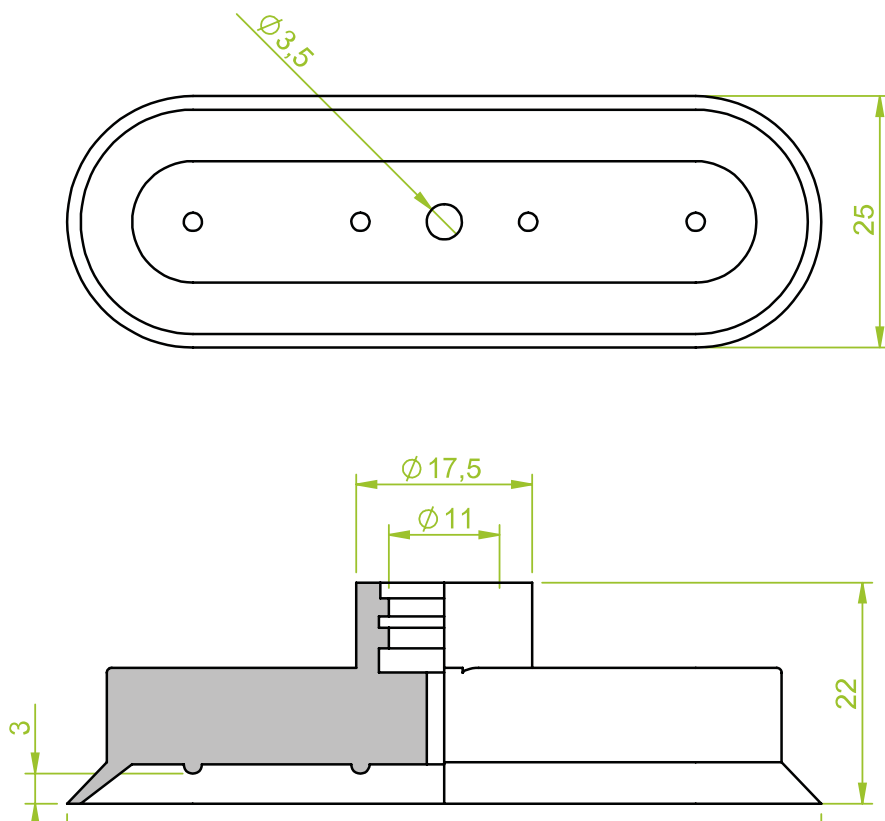
**Gewinde**  
*Thread*



mm

g

30.075025.024.\_



**Materialcode**

02 Silikon

**Halter**  
*Fitting*

**Gewinde**  
*Thread*

130.097  
130.098  
130.245

1/4" AG  
1/4" IG  
1/4" AG

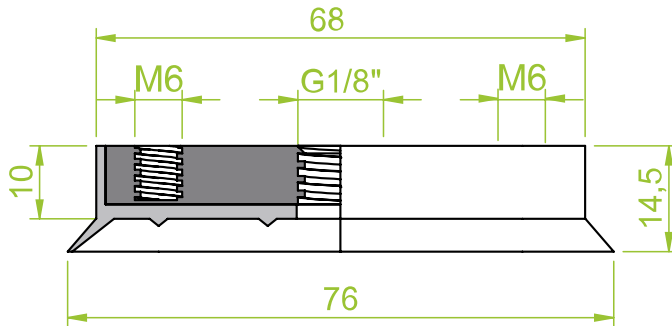
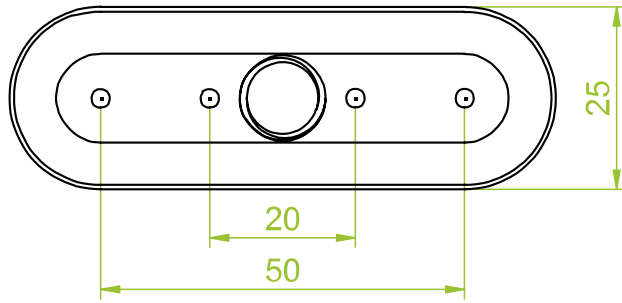


3mm

15g

33.075025.022.\_

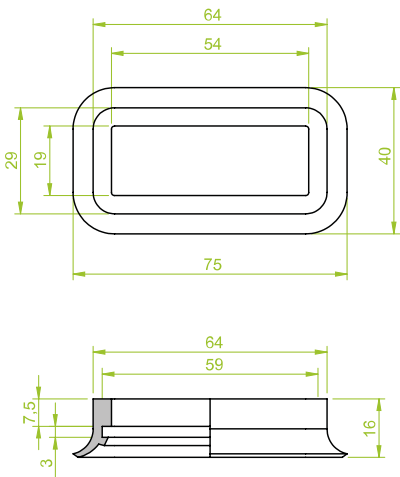
**vulkanisiert**



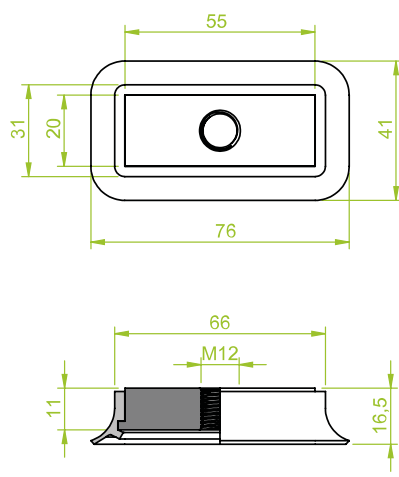
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
5mm	23g

30.075040.049.\_

31.075040.006.\_







Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
1.5mm	16g

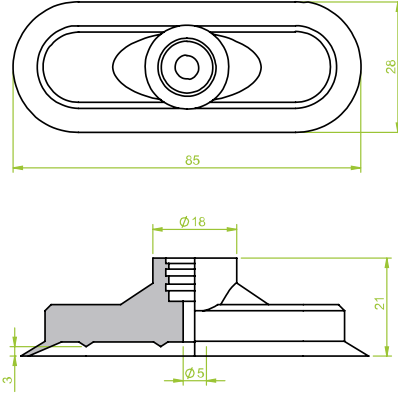




Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
1.5mm	49g





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>
	
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

<b>30.090050.066._</b>													
		<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">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>6mm</td> <td>69.8g</td> </tr> </table>		Materialcode		02 Silikon		Halter Fitting	Gewinde Thread				
Materialcode													
02 Silikon													
Halter Fitting	Gewinde Thread												
6mm	69.8g												

<b>33.096027.023._</b>		<b>vulkanisiert</b>											
		<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">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>6.5mm</td> <td>30g</td> </tr> </table>		Materialcode		02 Silikon		Halter Fitting	Gewinde Thread				
Materialcode													
02 Silikon													
Halter Fitting	Gewinde Thread												
6.5mm	30g												

<b>35.100030.055._</b>		<b>vulkanisiert</b>											
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Materialcode													
02 Silikon													
Halter Fitting	Gewinde Thread												
5mm	153g												

<b>35.100030.056._</b>		<b>vulkanisiert</b>											
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Materialcode													
02 Silikon													
Halter Fitting	Gewinde Thread												
5mm	120g												

33.100032.006._				<b>Materialcode</b> 02 Silikon	
				<b>Halter</b> <i>Fitting</i>	
				<b>Gewinde</b> <i>Thread</i>	
				2mm      73g	

33.100032.007._		<b>Materialcode</b> 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	
		<b>Gewinde</b> <i>Thread</i>	
		2.5mm      150g	

30.100035.026._		<b>Materialcode</b> 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	
		<b>Gewinde</b> <i>Thread</i>	
		130.097      1/4" AG 130.098      1/4" IG	
		4mm      32g	

30.100035.064._		<b>vulkanisiert</b>		33.100050.104._			
		<b>Materialcode</b>		<b>Materialcode</b>			
		02 Silikon		02 Silikon			
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
		130.097 130.098	1/4" AG 1/4" IG				
4mm	32g	mm	0g				

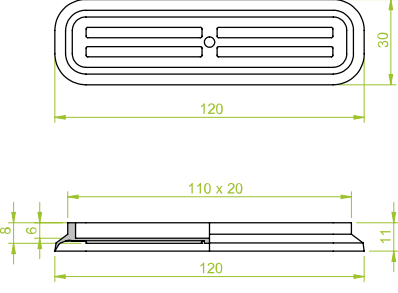












35.100055.007._		<b>vulkanisiert</b>		35.100055.054._				<b>vulkanisiert</b>	
		<b>Materialcode</b>		<b>Materialcode</b>					
		02 Silikon		02 Silikon					
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>				
7mm	100g	7mm	140g						

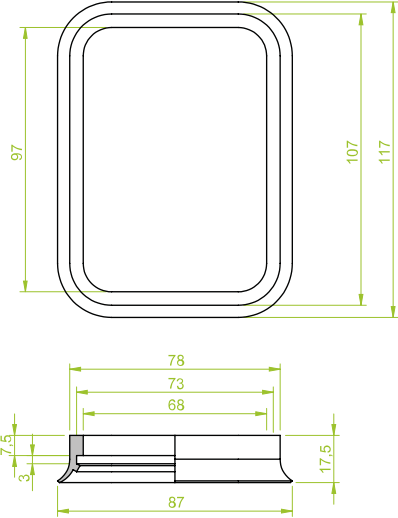
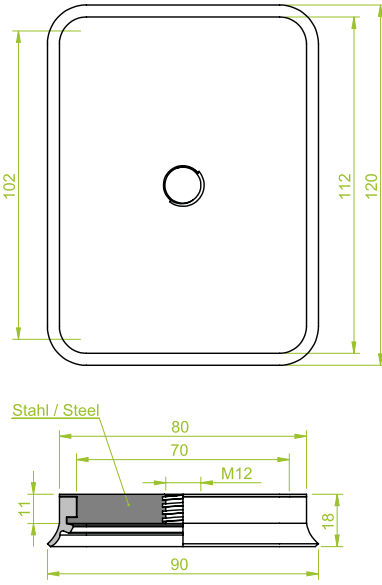












33.110065.032.\_ vulkanisiert

	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	4mm	107.8g

33.116027.024.\_ vulkanisiert

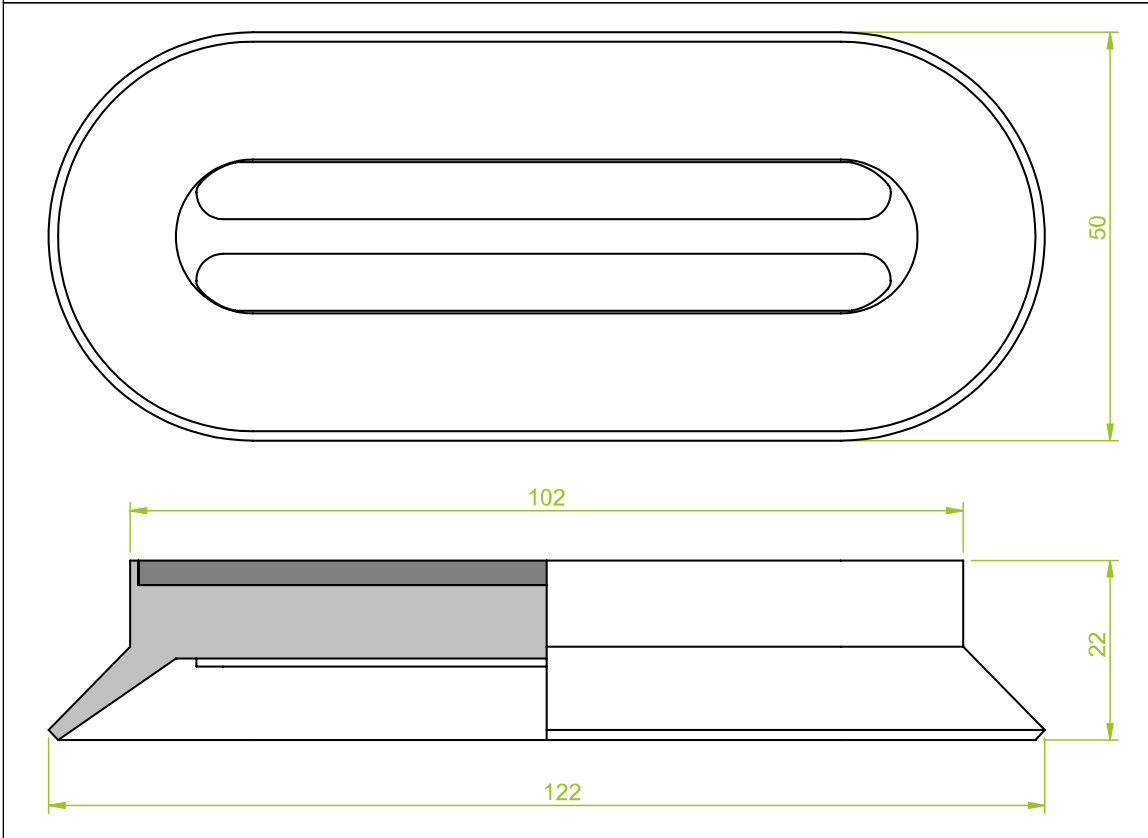
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	6.5mm	38g

35.120030.018._	<b>vulkanisiert</b>		33.120060.105._										
		<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">02 Silikon</td> </tr> </table>		Materialcode		02 Silikon		<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">02 Silikon</td> </tr> </table>		Materialcode		02 Silikon	
		Materialcode											
02 Silikon													
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> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			<table border="1"> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>
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> <tr> <td>3mm</td> <td>110g</td> </tr> </table>				3mm	110g			<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td>mm</td> <td>0g</td> </tr> </table>			mm	0g	
													
3mm	110g												
													
mm	0g												

30.120090.050._			31.120090.008._										
		<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">02 Silikon</td> </tr> </table>		Materialcode		02 Silikon		<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">02 Silikon</td> </tr> </table>		Materialcode		02 Silikon	
		Materialcode											
02 Silikon													
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> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>			<table border="1"> <tr> <th>Halter</th> <th>Gewinde</th> </tr> <tr> <td><i>Fitting</i></td> <td><i>Thread</i></td> </tr> </table>	Halter	Gewinde	<i>Fitting</i>	<i>Thread</i>
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> <tr> <td>1.5mm</td> <td>40g</td> </tr> </table>				1.5mm	40g			<table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td>1.5mm</td> <td>255g</td> </tr> </table>			1.5mm	255g	
													
1.5mm	40g												
													
1.5mm	255g												

35.125055.019.\_

vulkanisiert







Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
9mm	192g

33.140070.106.\_

Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
mm	0g





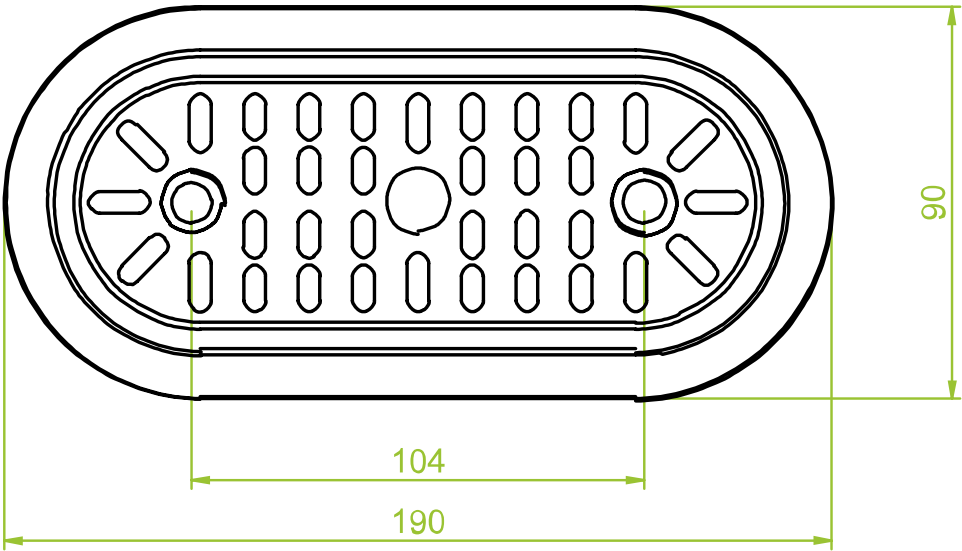


33.145034.026._	<b>vulkanisiert</b>	
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	 7.5mm	 50g

35.150055.021._	<b>vulkanisiert</b>	
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	 7mm	 255g

30.150075.001._		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	1.5mm	50g

31.150075.001._		
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	1.5mm	260g

30.180006.018._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
mm	g

33.190090.004._		<b>vulkanisiert</b>
		Materialcode
		02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
		
5.5mm	g	

Stahl / Steel

G1/4"

19

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



33.200030.021.\_ vulkanisiert



	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter Fitting</b>	<b>Gewinde Thread</b>
	4mm	124g

35.200030.023.\_ vulkanisiert

	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter Fitting</b>	<b>Gewinde Thread</b>
	4mm	286g

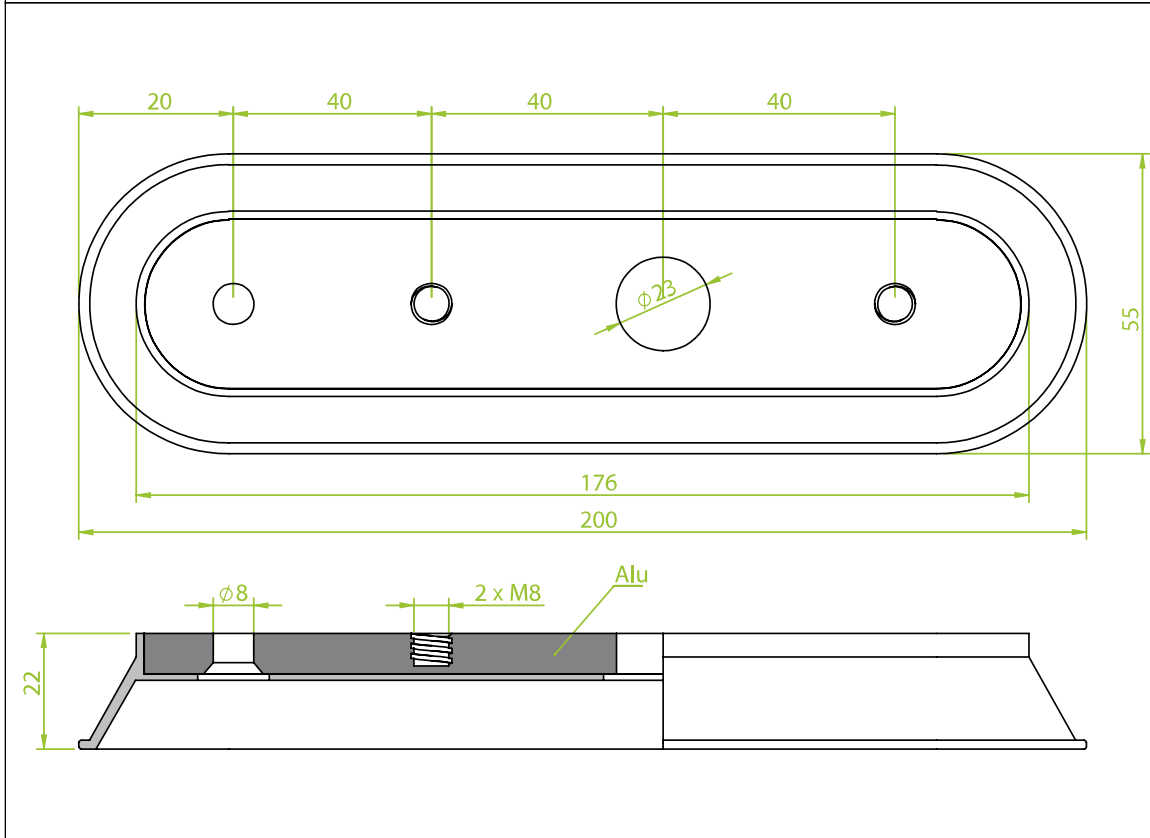
35.200035.024._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
		0mm	300g

35.200040.025._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
		9mm	140g

35.200040.026._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
		9mm	80g

33.200055.027.\_

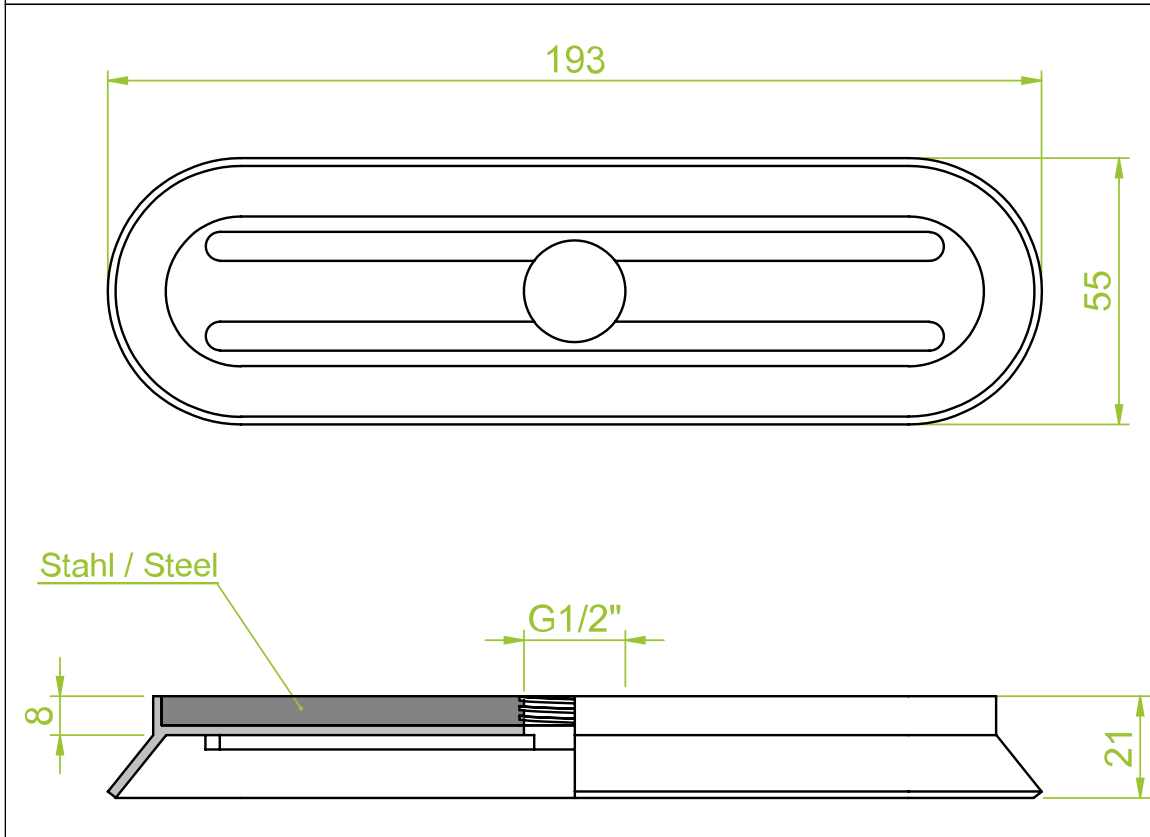
vulkanisiert



Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
7mm	147.3g

33.200055.039.\_

vulkanisiert



Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
7mm	151.6g



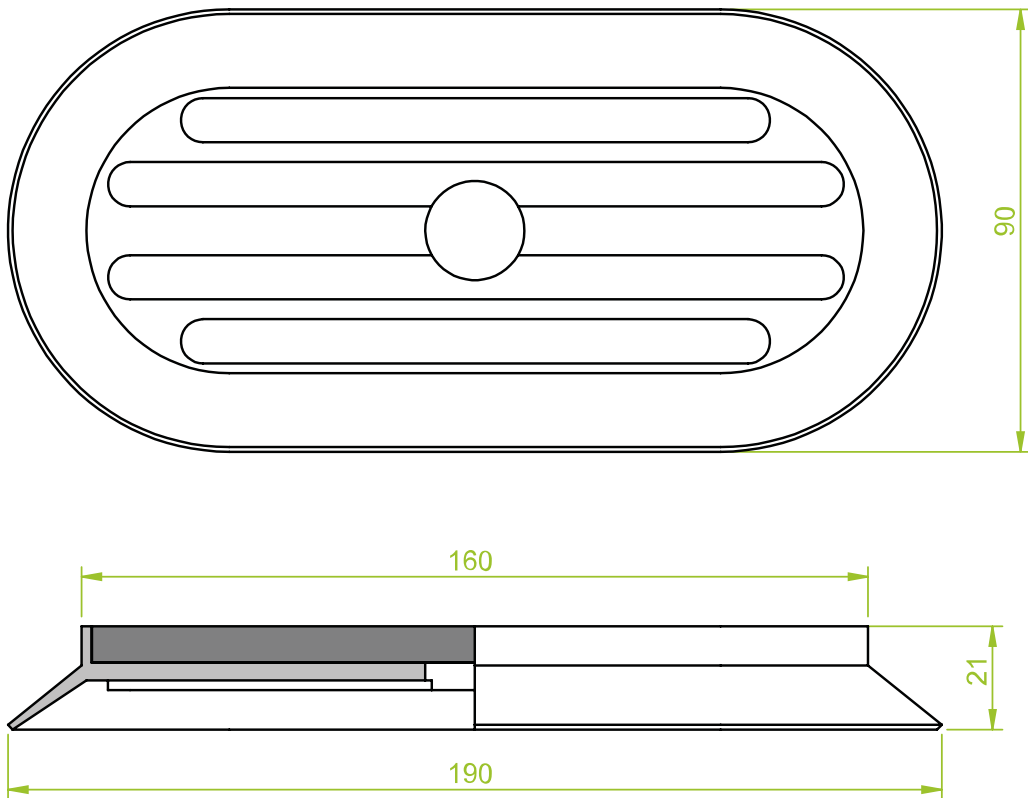
35.200055.027.\_ vulkanisiert

	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
6.7mm	161.2g	

35.200080.028.\_ vulkanisiert

	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
4mm	460g	

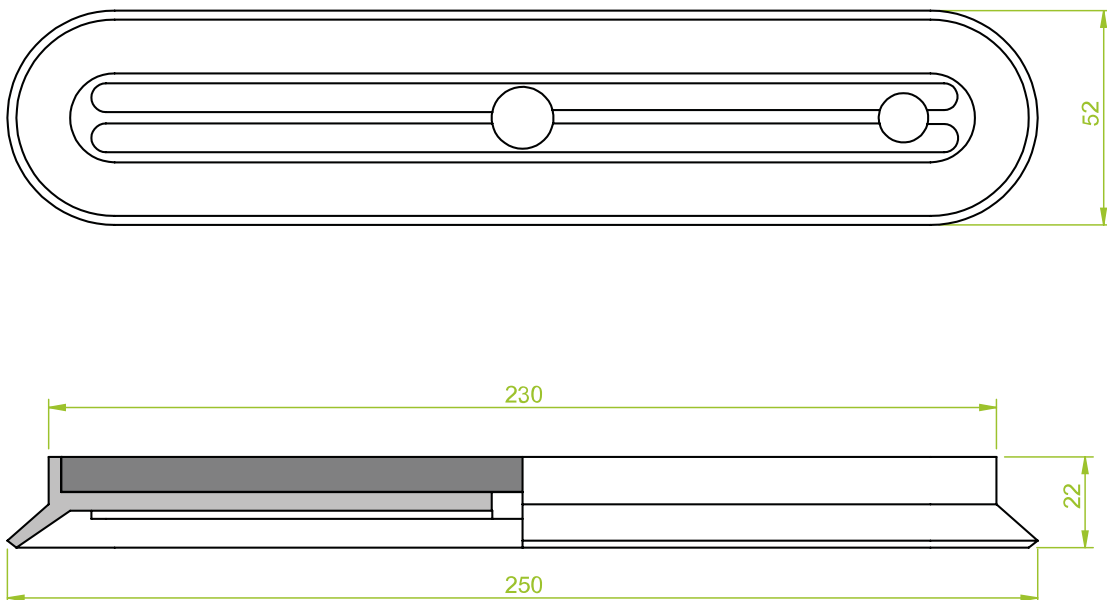
35.200100.032.\_







Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
8mm	450g

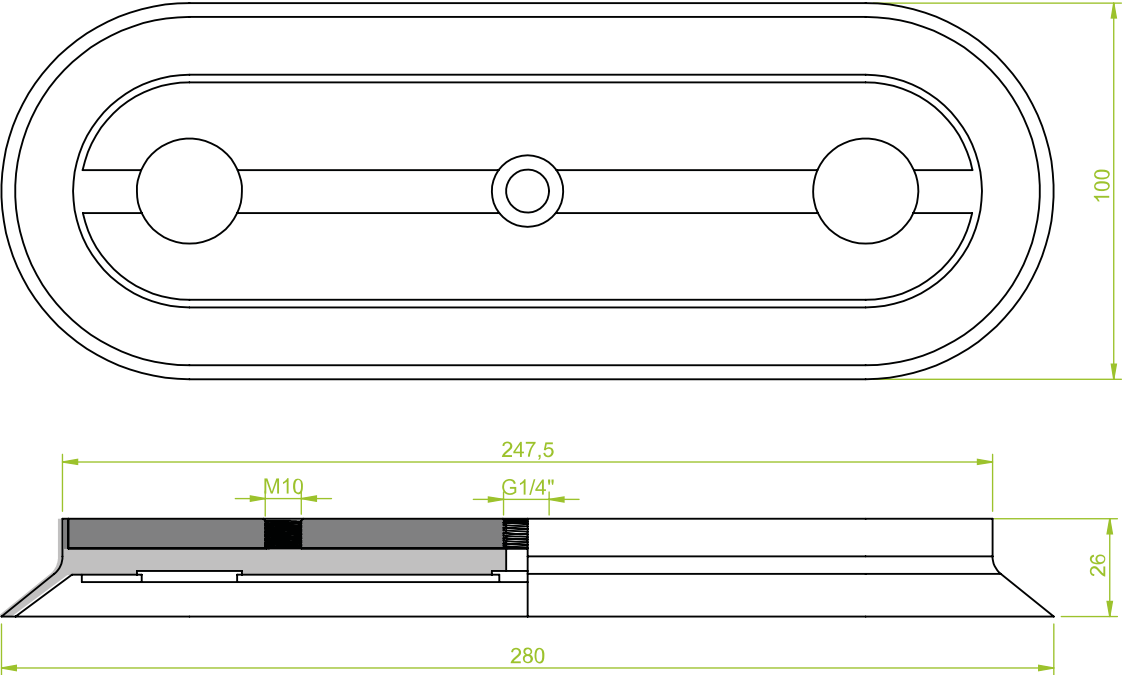


35.250055.005.\_

**vulkanisiert**



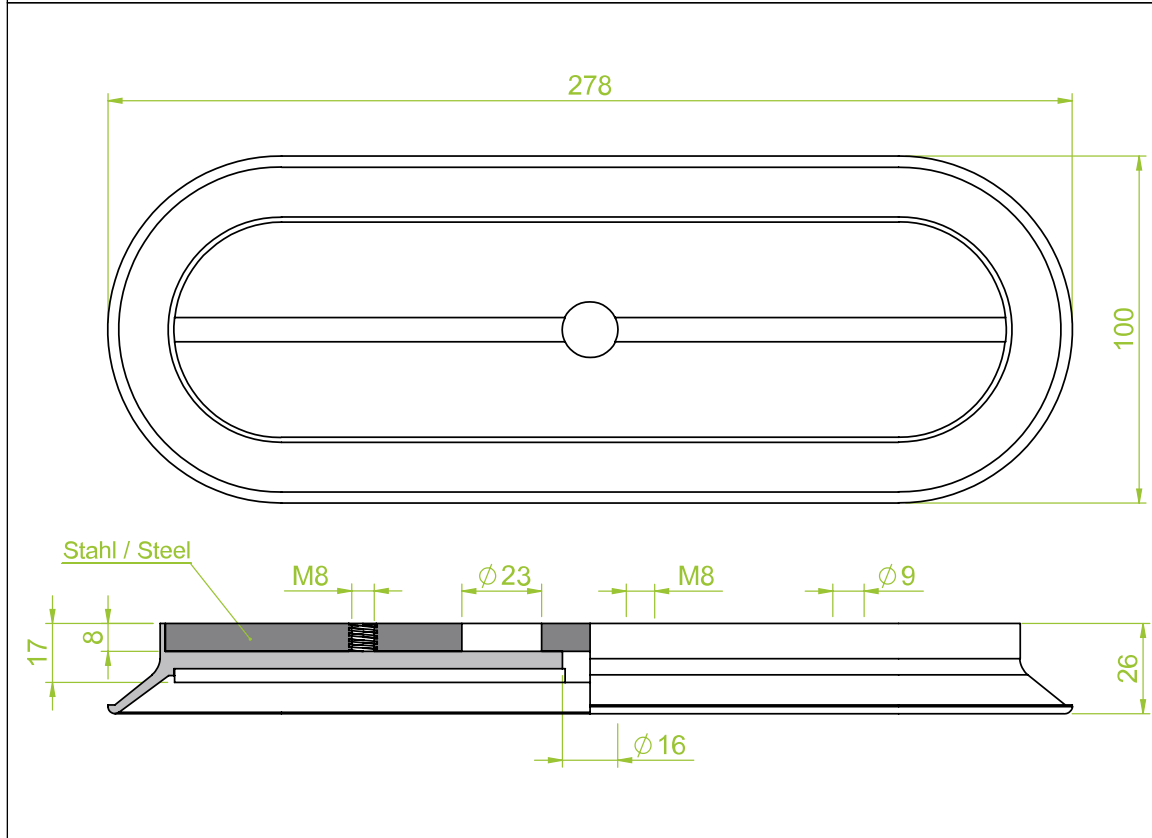
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
8mm	460g

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

33.280100.043.\_

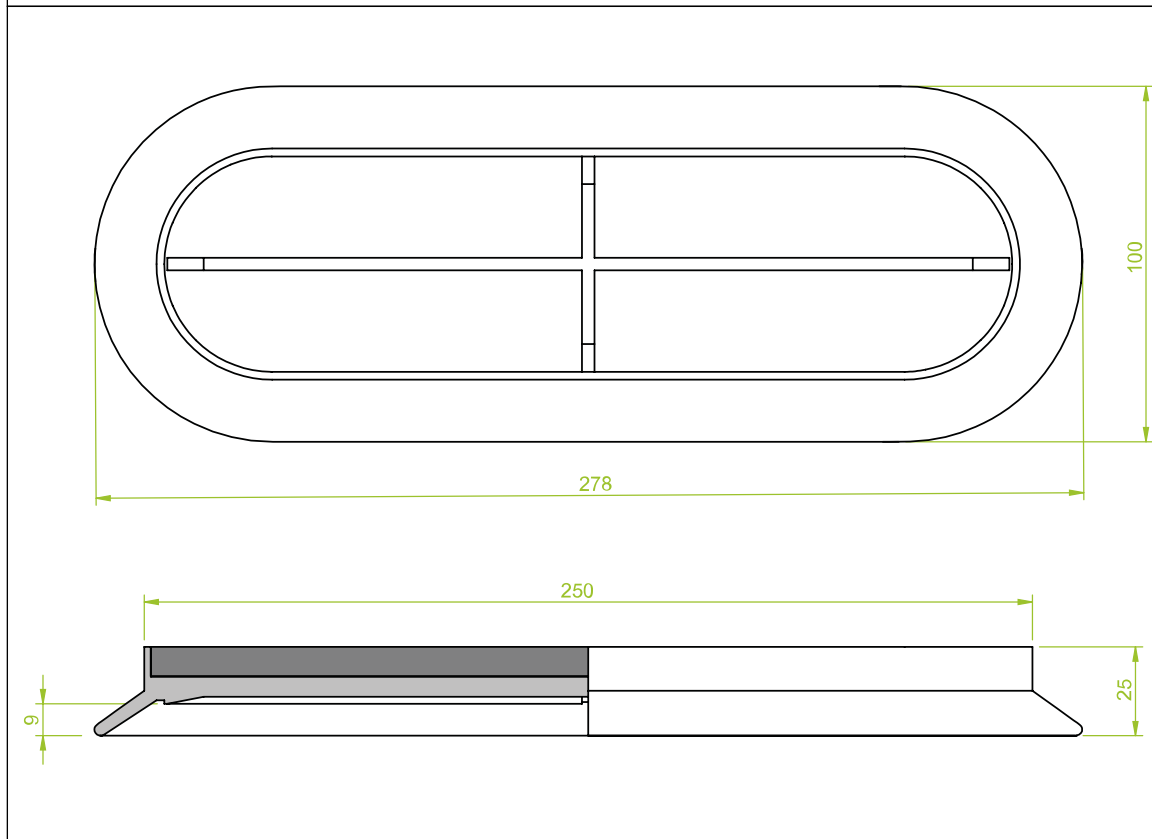
vulkanisiert



Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
9mm	512g

35.280100.001.\_

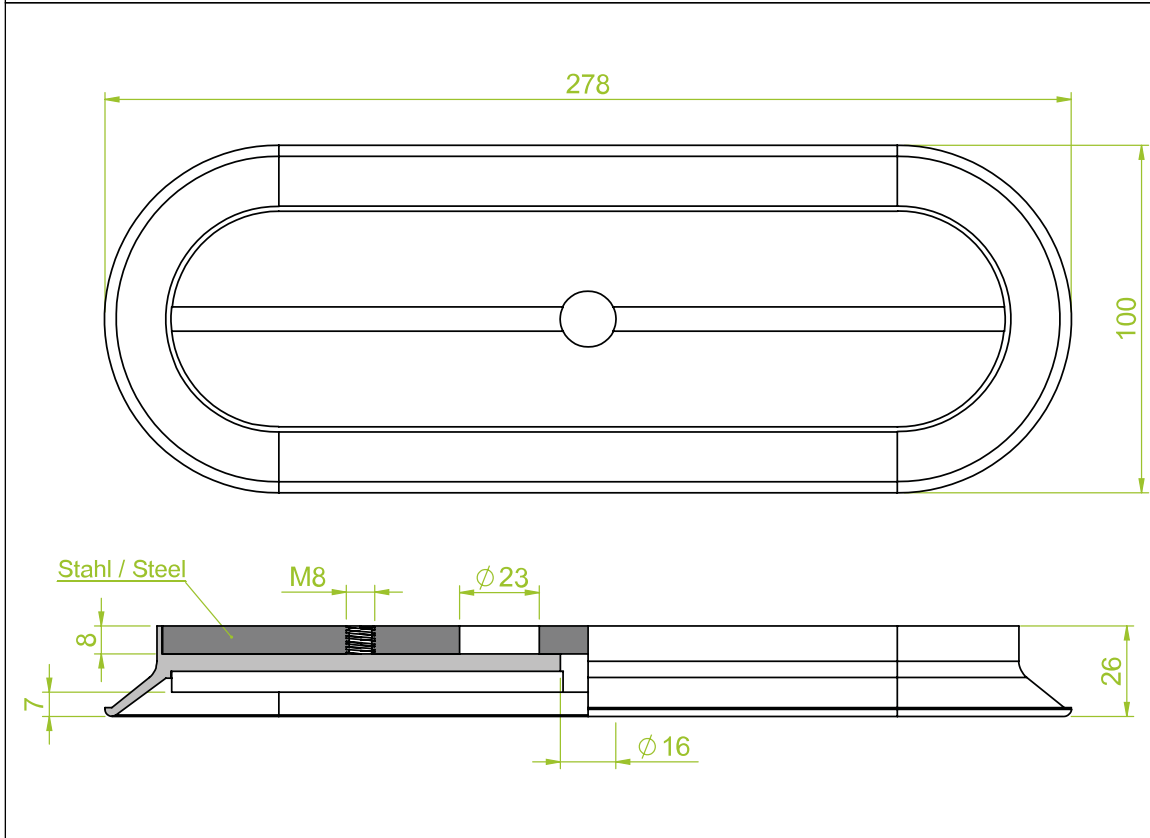
vulkanisiert



Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
10mm	1180g

35.280100.033.\_

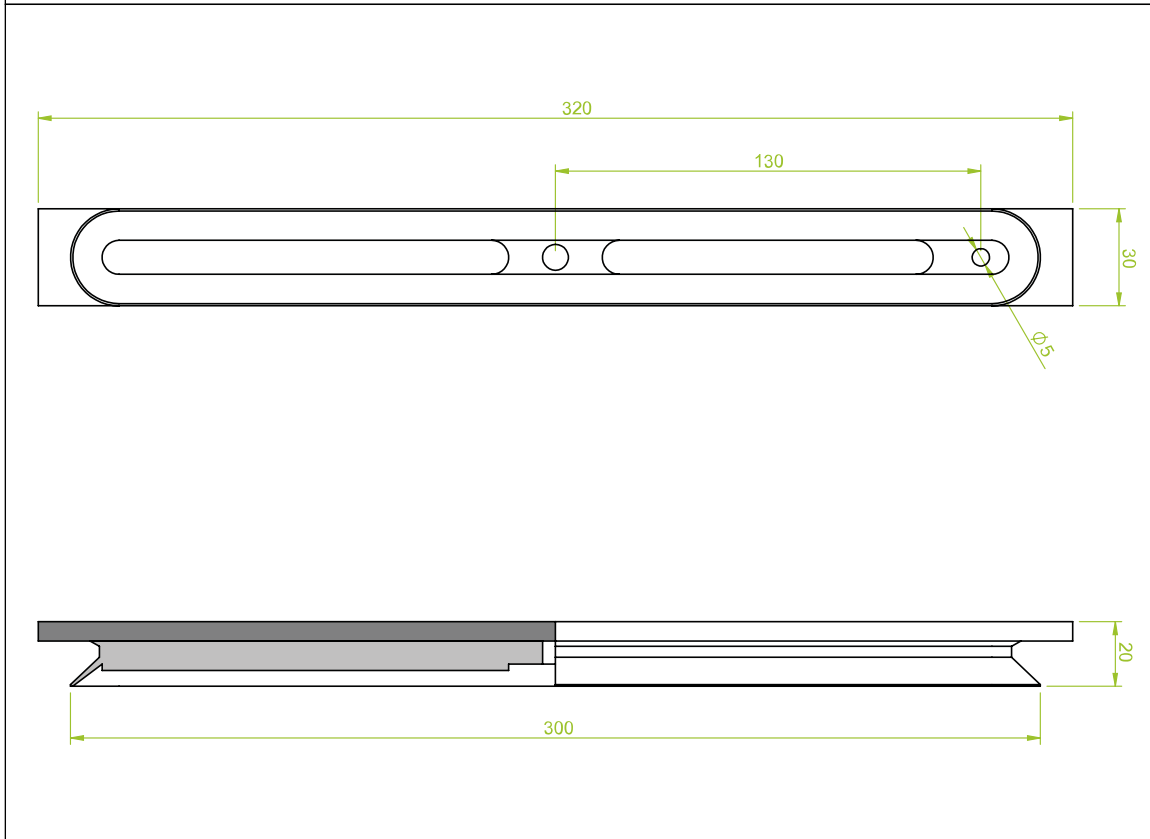
vulkanisiert



Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
10mm	530g

35.300030.037.\_

vulkanisiert



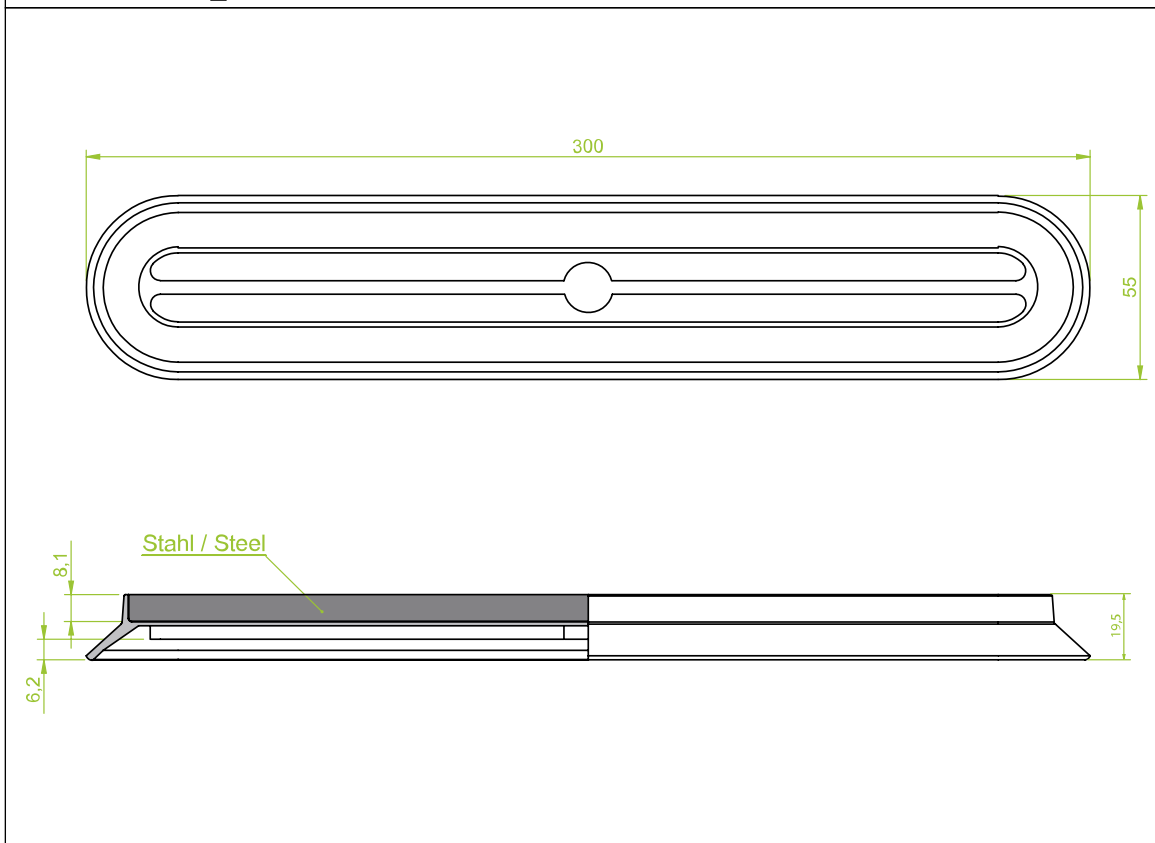
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
5mm	500g

<p>35.300040.038._</p>	<p><b>vulkanisiert</b></p>										
	<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td>7mm</td> <td>500g</td> </tr> </table>	Materialcode		02 Silikon		Halter Fitting	Gewinde Thread			7mm	500g
Materialcode											
02 Silikon											
Halter Fitting	Gewinde Thread										
7mm	500g										

<p>33.300055.029._</p>	<p><b>vulkanisiert</b></p>										
	<table border="1"> <tr> <th colspan="2">Materialcode</th> </tr> <tr> <td colspan="2">02 Silikon</td> </tr> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td>9mm</td> <td>218g</td> </tr> </table>	Materialcode		02 Silikon		Halter Fitting	Gewinde Thread			9mm	218g
Materialcode											
02 Silikon											
Halter Fitting	Gewinde Thread										
9mm	218g										

35.300055.006.\_

**vulkanisiert**



Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
8mm	550g

35.300055.035.\_

**vulkanisiert**

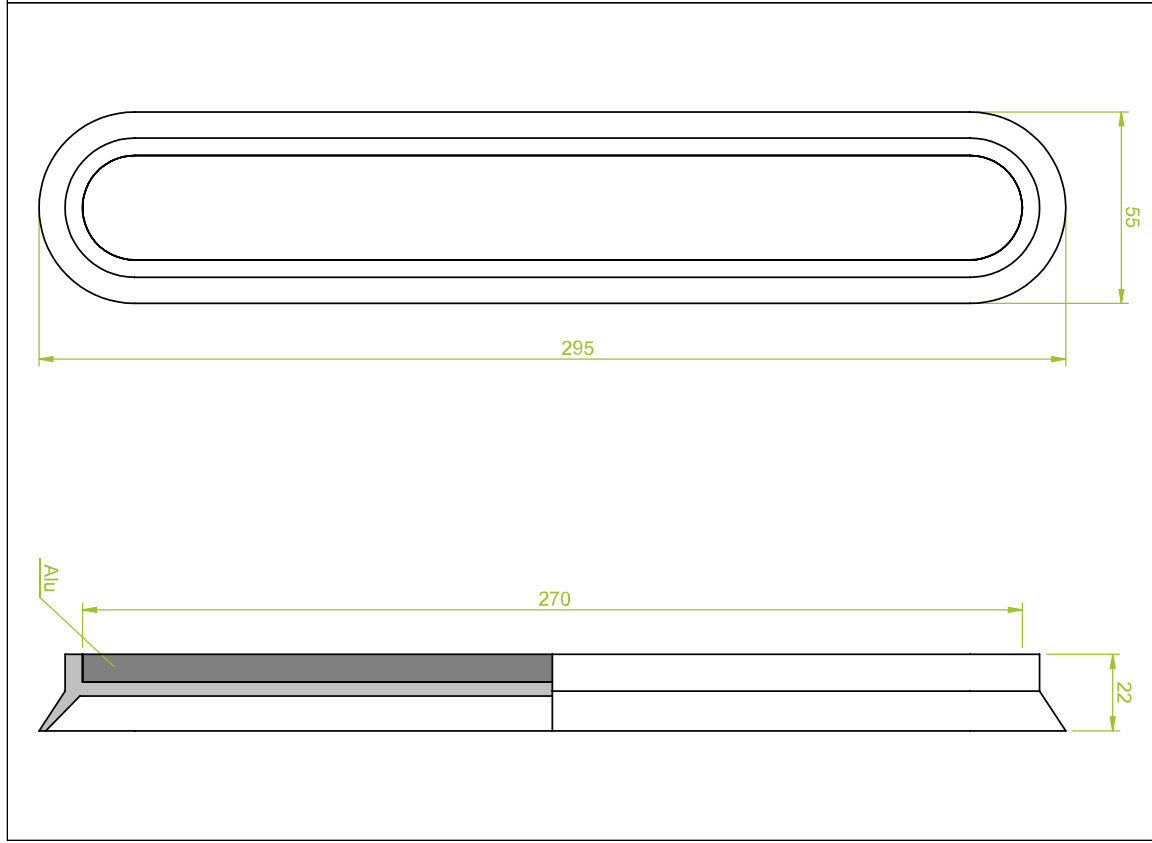


Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
8mm	300g



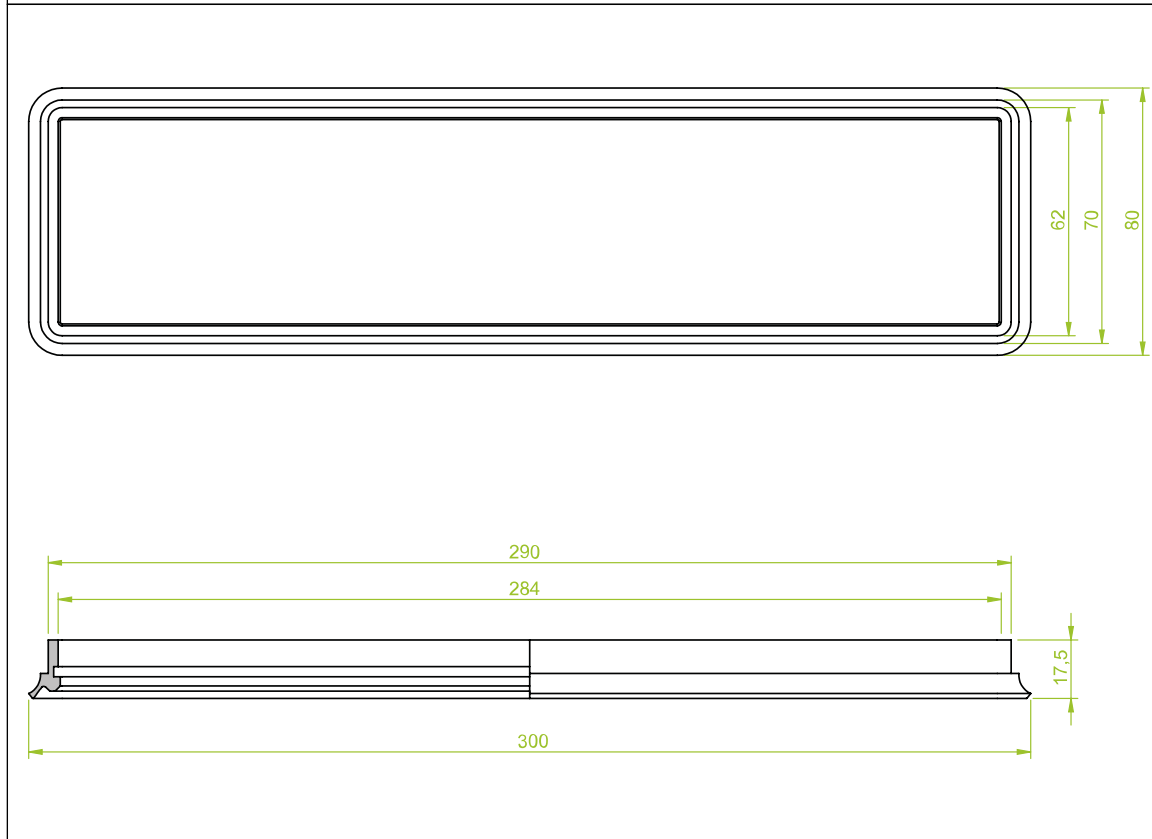
35.300055.036.\_

**vulkanisiert**



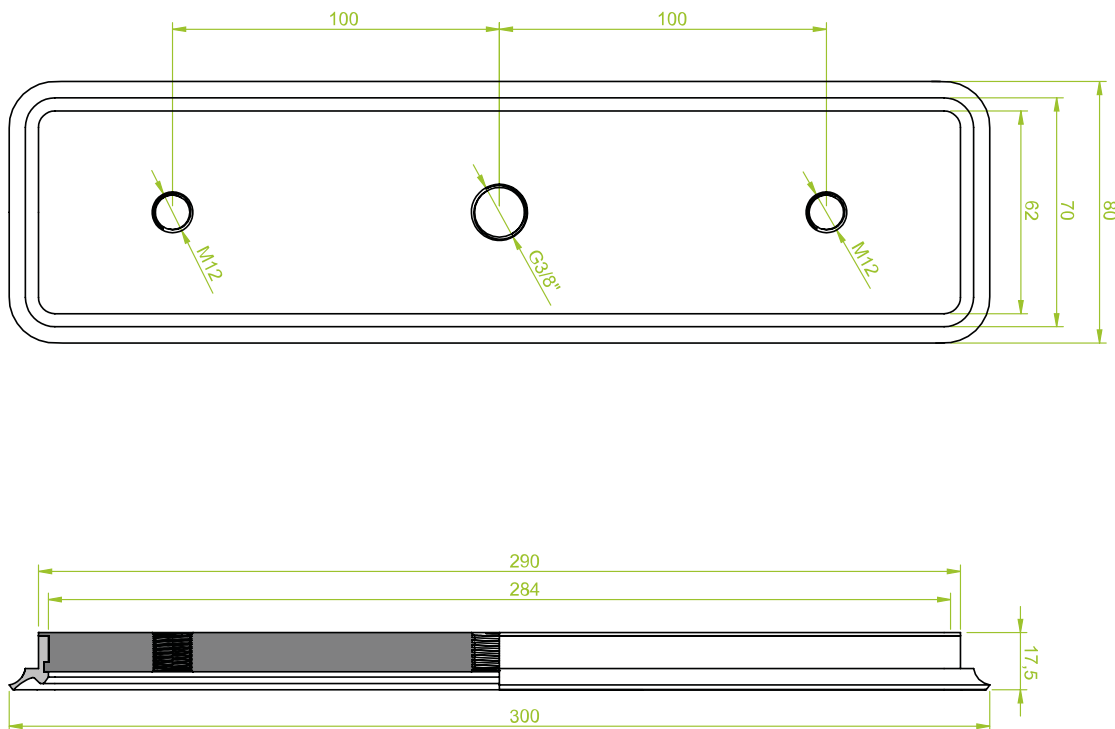
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
9mm	240g

30.300080.051.\_



Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
1.5mm	100g

31.300080.010.\_



**Materialcode**

02 Silikon

**Halter**  
*Fitting*

**Gewinde**  
*Thread*



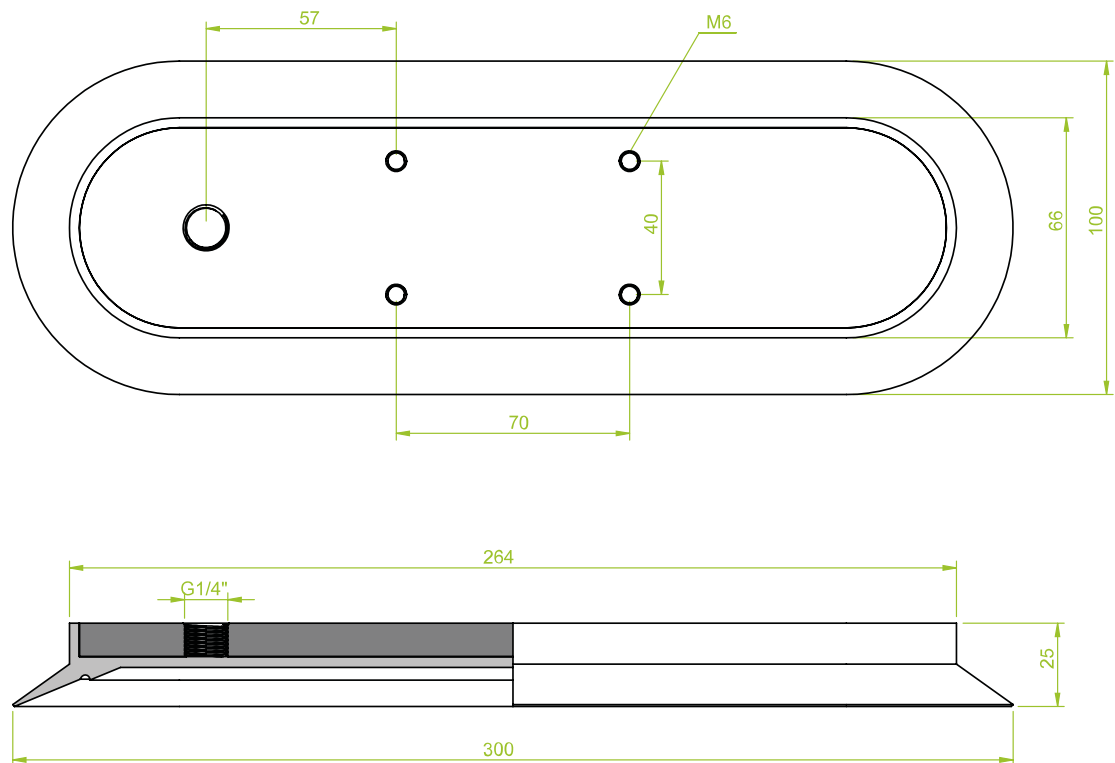
1.5mm



500g

33.300100.030.\_

**vulkanisiert**



**Materialcode**

02 Silikon

**Halter**  
*Fitting*





**Gewinde**  
*Thread*

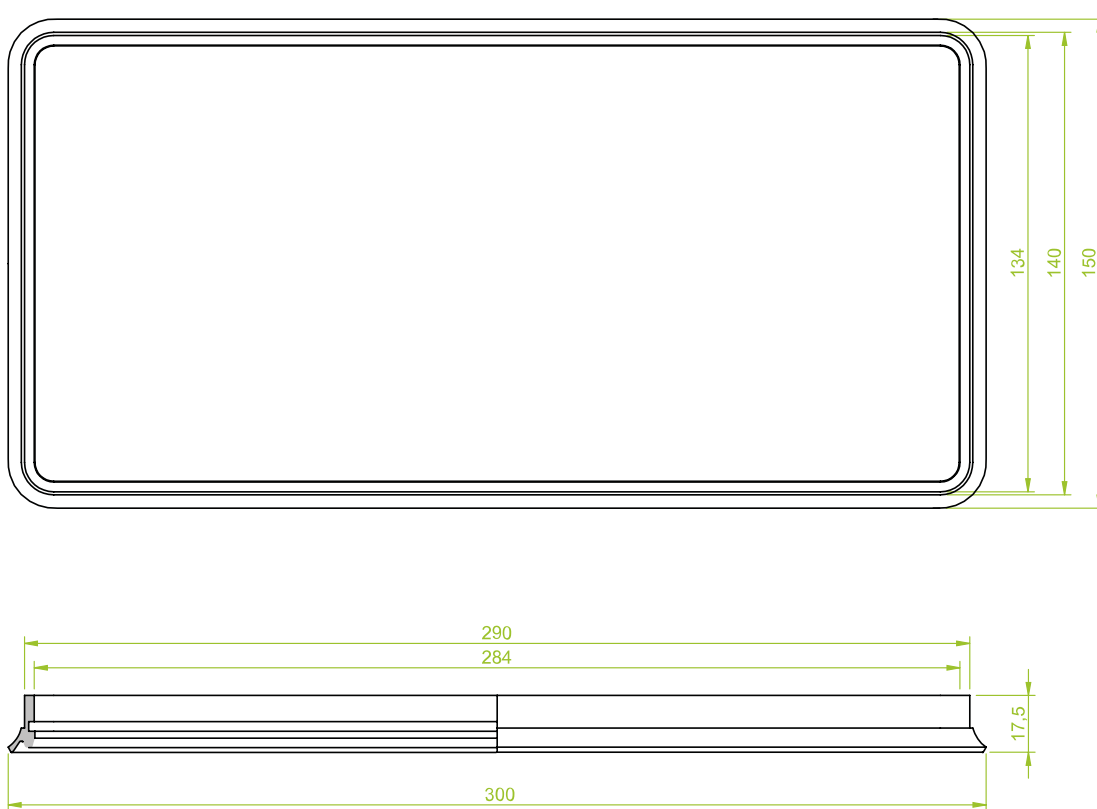




9mm

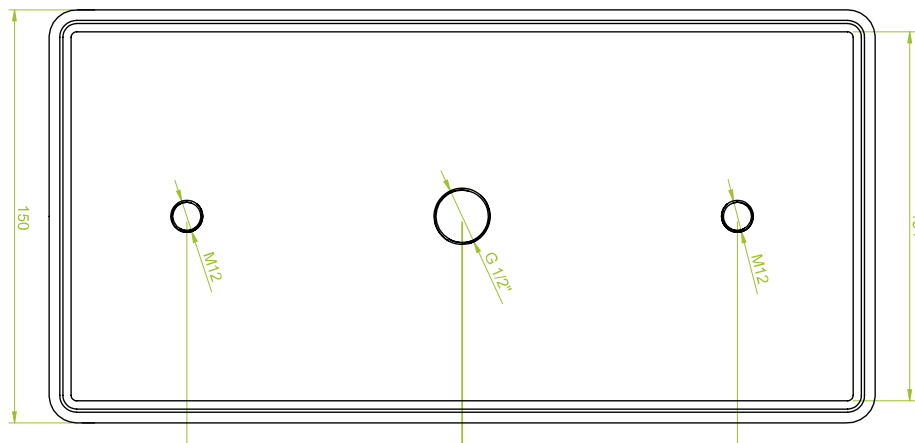
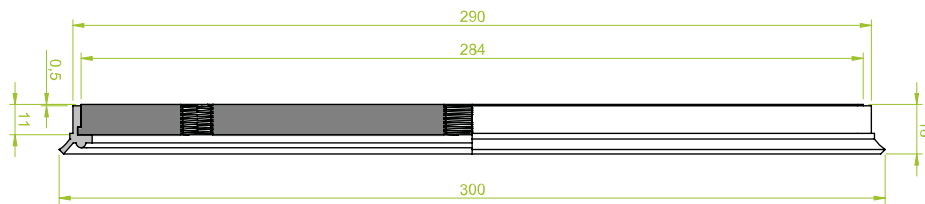


1275g

35.300120.040._		vulkanisiert		35.300120.041._		vulkanisiert	
		Materialcode				Materialcode	
		02 Silikon				02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>			Halter <i>Fitting</i>	Gewinde <i>Thread</i>
							
		17mm	1260g			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**  
*Fitting*

**Gewinde**  
*Thread*



1.5mm

380g

35.370070.042.\_

**vulkanisiert**

**Materialcode**

02 Silikon

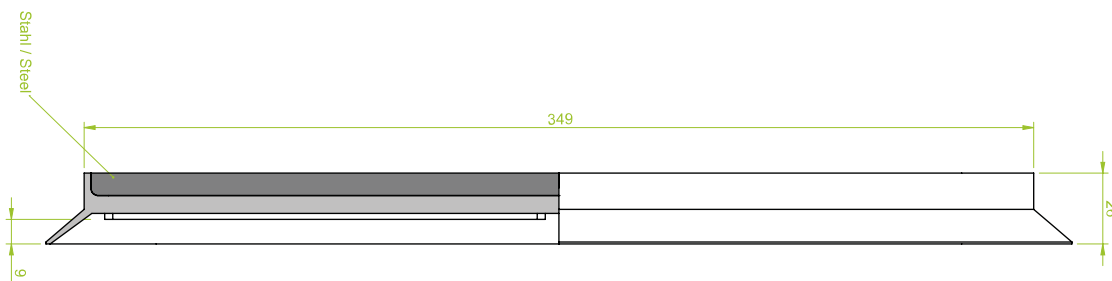
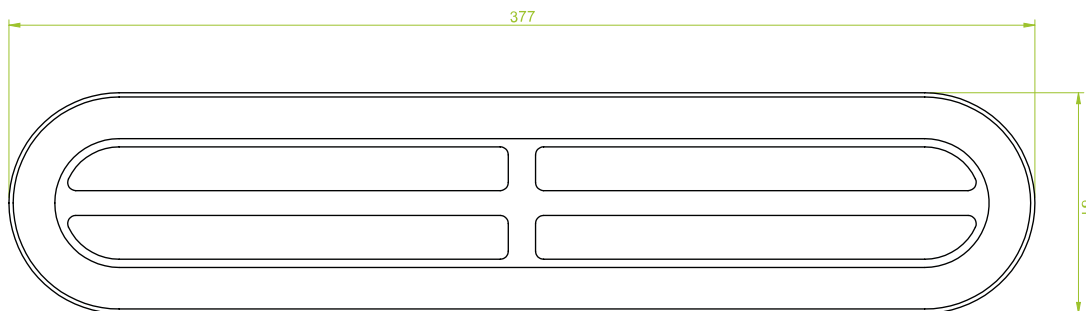
**Halter**  
*Fitting*

**Gewinde**  
*Thread*



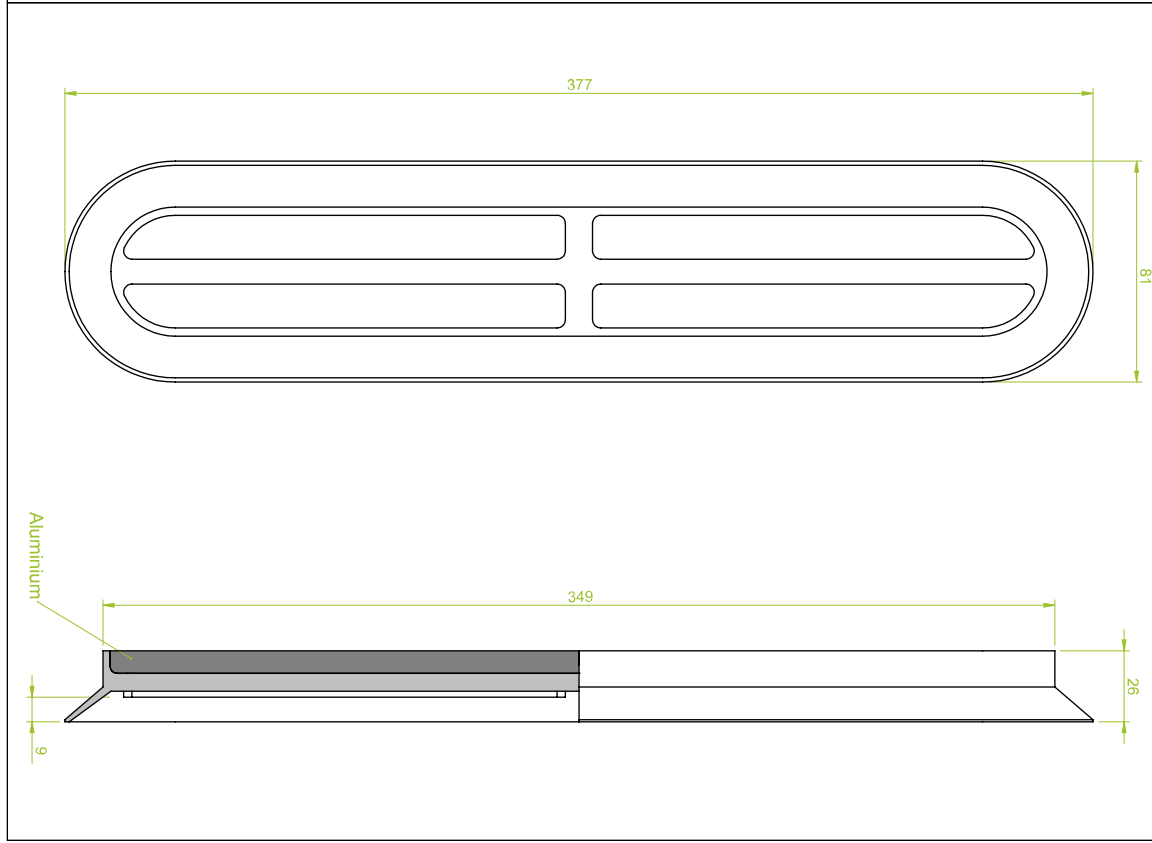
10mm

550g



35.370070.043.\_

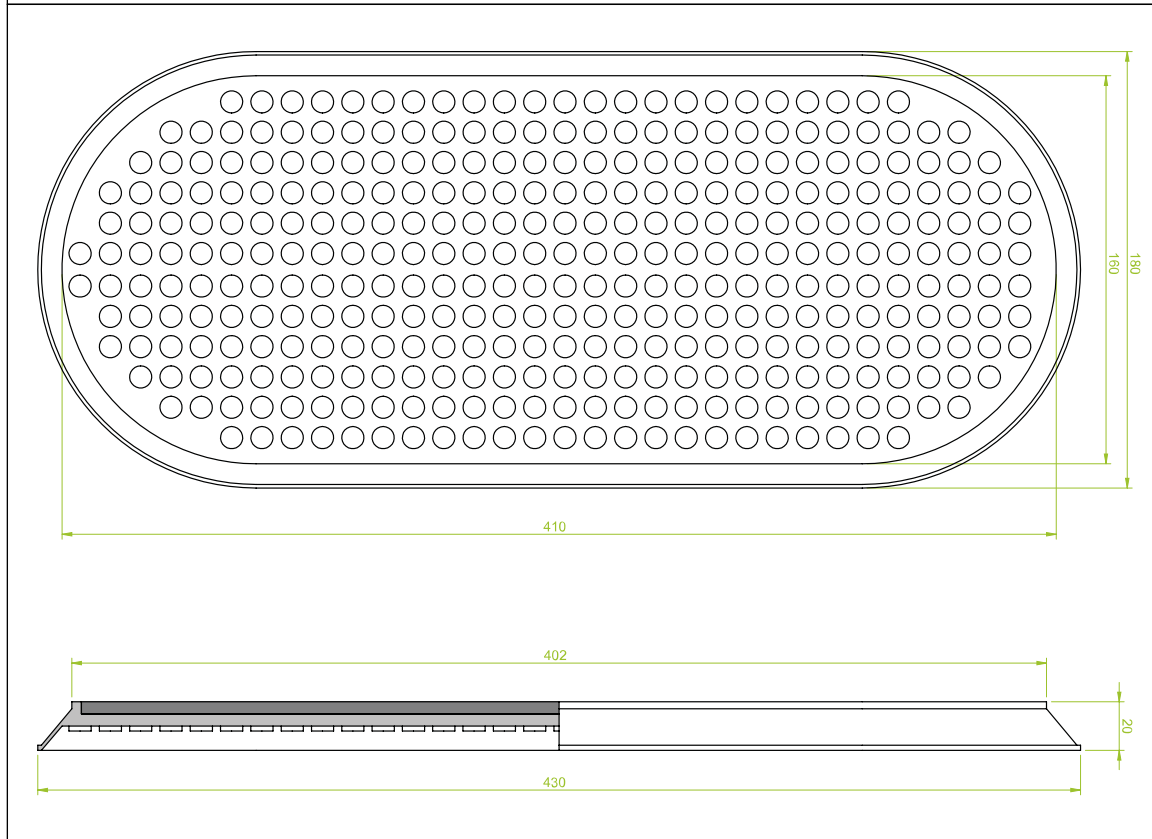
vulkanisiert



Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
10mm	300g

35.430180.003.\_

vulkanisiert



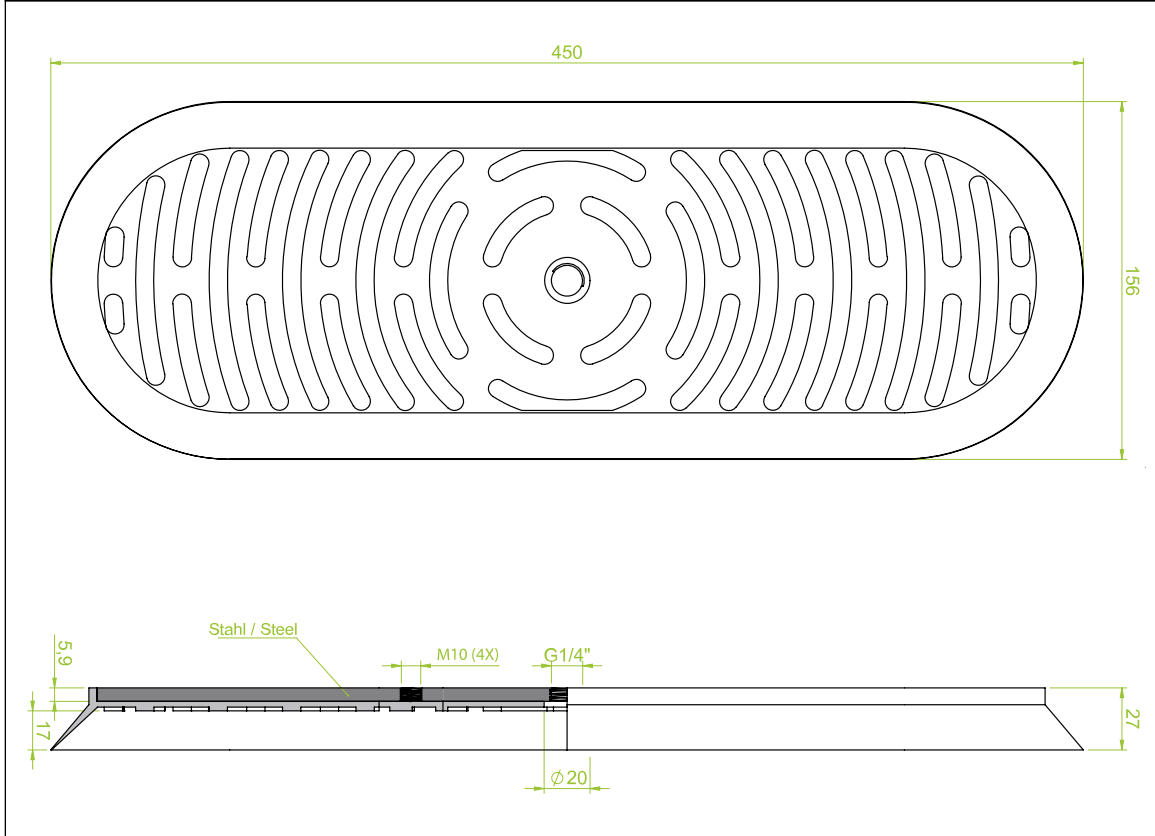
Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
6mm	3720g

35.450130.002._	<b>vulkanisiert</b>	
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
6mm	2400g	

35.450150.008._	<b>vulkanisiert</b>	
	<b>Materialcode</b>	
	02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
9mm	2560g	

33.450156.035.\_

**vulkanisiert**



Materialcode	
03 NR	
Halter Fitting	Gewinde Thread
4mm	3830g

35.470060.044.\_

**vulkanisiert**



Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
0mm	1030g

35.500180.046.\_ vulkanisiert

Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
21mm	3500g

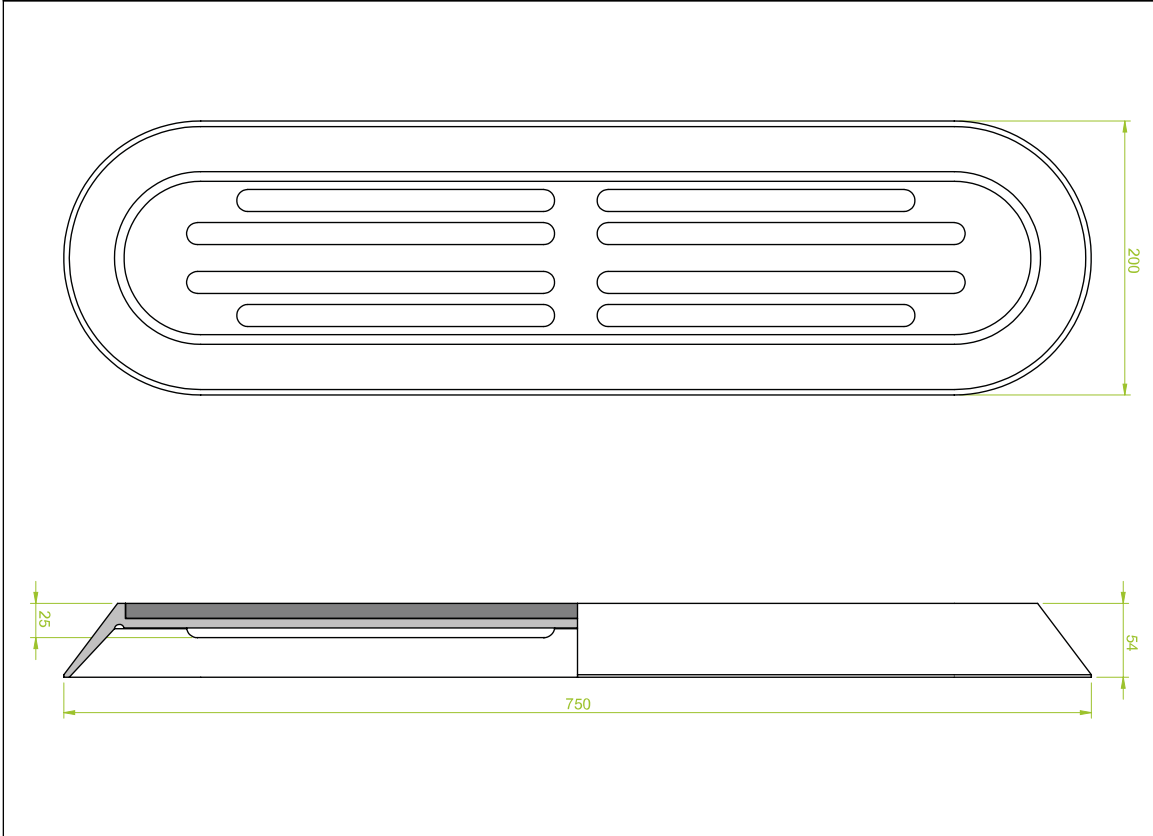
35.580180.048.\_ vulkanisiert

Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
10mm	3500g



35.750200.049\_

**vulkanisiert**



Materialcode	
02 Silikon	
Halter Fitting	Gewinde Thread
29mm	3500g

**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.**

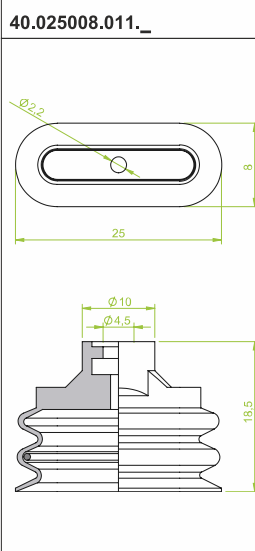


45.200100.001.\_  
Abmessungen: 200 x 8 mm

**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*

<b>40.025008.011._</b>																
	<b>Materialcode</b> 02 Silikon															
	<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>130.037</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 Fitting	Gewinde 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
Halter Fitting	Gewinde 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															
<b>7mm</b>	<b>2g</b>															

<b>40.025015.010._</b>												
	<b>Materialcode</b> 02 Silikon											
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</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>130.023</td> <td>M5 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 Fitting	Gewinde Thread	130.003	1/8" AG	130.015	1/8" IG	130.023	M5 AG	130.109	1/8" IG	130.238
Halter Fitting	Gewinde Thread											
130.003	1/8" AG											
130.015	1/8" IG											
130.023	M5 AG											
130.109	1/8" IG											
130.238	1/8" AG											
<b>10mm</b>	<b>2.7g</b>											

<b>40.035028.017._</b>						
	<b>Materialcode</b> 02 Silikon					
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde 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 Fitting	Gewinde Thread	130.046	1/4" IG	130.048
Halter Fitting	Gewinde Thread					
130.046	1/4" IG					
130.048	1/4" AG					
<b>9mm</b>	<b>7g</b>					

<b>40.043015.018._</b>				
	<b>Materialcode</b> 02 Silikon			
	<table border="1"> <thead> <tr> <th>Halter Fitting</th> <th>Gewinde Thread</th> </tr> </thead> <tbody> <tr> <td>130.013</td> <td>M5 AG</td> </tr> </tbody> </table>	Halter Fitting	Gewinde Thread	130.013
Halter Fitting	Gewinde Thread			
130.013	M5 AG			
<b>8.5mm</b>	<b>7g</b>			

<b>40.045015.012._</b>		
	<b>Materialcode</b> 02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.097 130.098 130.245	1/4" AG 1/4" IG 1/4" AG
8.5mm	7g	

<b>40.045028.019._</b>		
	<b>Materialcode</b> 02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	130.046 130.048	1/4" IG 1/4" AG
10mm	8g	

<b>44.050025.001._</b>		
<b>vulkanisiert</b>		
	<b>Materialcode</b> 02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	8mm	30g

<b>40.052025.006._</b>		
	<b>Materialcode</b> 02 Silikon	
	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
	13mm	11g

<b>40.052025.015._</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.584 130.631	1/4" IG 3/8" IG
<b>19mm</b>	<b>7.3g</b>

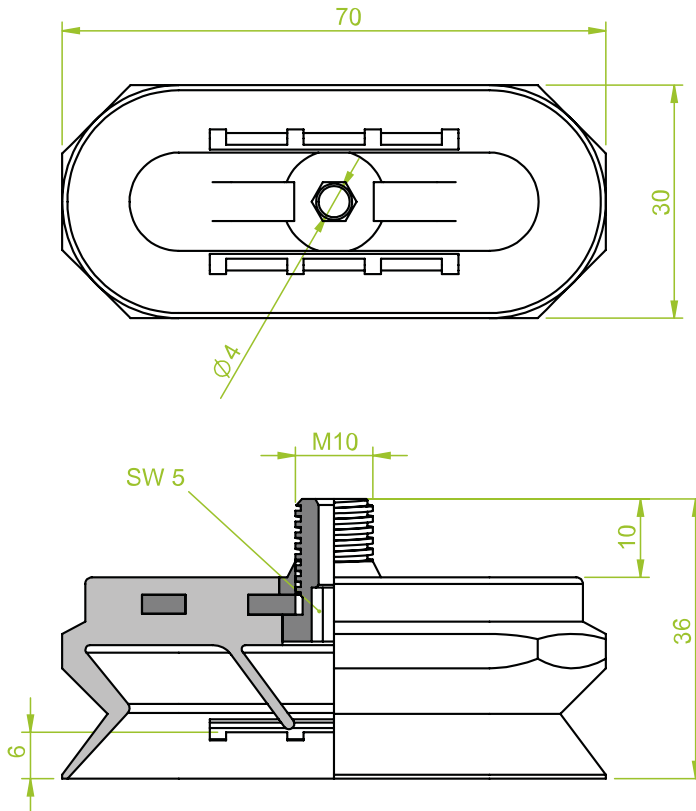
<b>40.060021.020._</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.585 130.632	1/4" IG 3/8" IG
<b>18mm</b>	<b>10.7g</b>

<b>40.060029.007._</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
130.585 130.632	1/4" IG 3/8" IG
<b>13mm</b>	<b>12g</b>

<b>43.060030.101._</b>	
02 Silikon	
<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
<b>mm</b>	<b>0g</b>

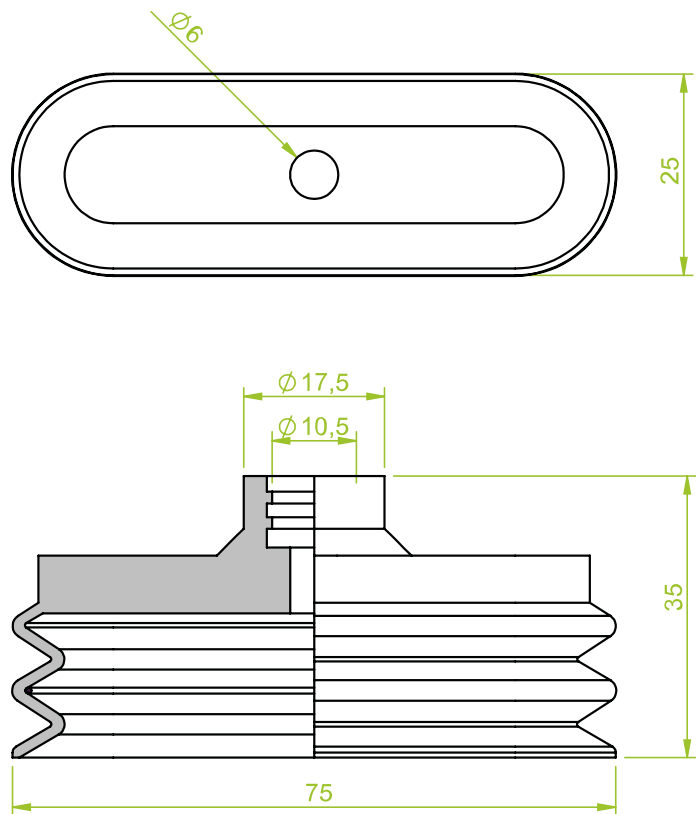
44.070030.002.\_

**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



40.080040.001._				Materialcode	
				02 Silikon	
				Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		20mm		20g	

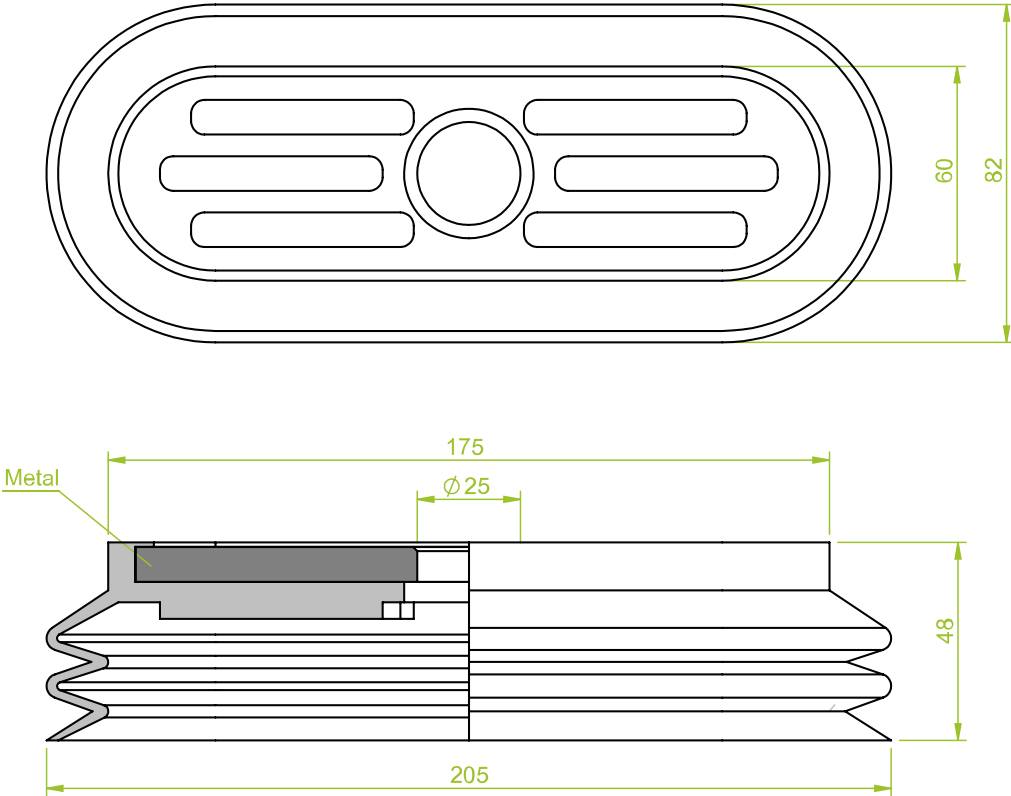


43.080040.102._		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
		mm	0g







40.080050.004._				<b>Materialcode</b> 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>		
		130.624	1/4" IG		
		20mm	23g		



43.097055.001._		<b>vulkanisiert</b>		43.100050.103._	
		<b>Materialcode</b> 02 Silikon		<b>Materialcode</b> 02 Silikon	
		<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>	<b>Halter</b> <i>Fitting</i>	<b>Gewinde</b> <i>Thread</i>
		11mm	91g	mm	0g

43.140070.104._	
Materialcode	
02 Silikon	
Halter <i>Fitting</i>	Gewinde <i>Thread</i>
	
mm	0g

45.205082.003._		<b>vulkanisiert</b>
		Materialcode
		02 Silikon
Halter <i>Fitting</i>	Gewinde <i>Thread</i>	
		
25mm	260g	

45.350100.006._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
39mm	1280g		

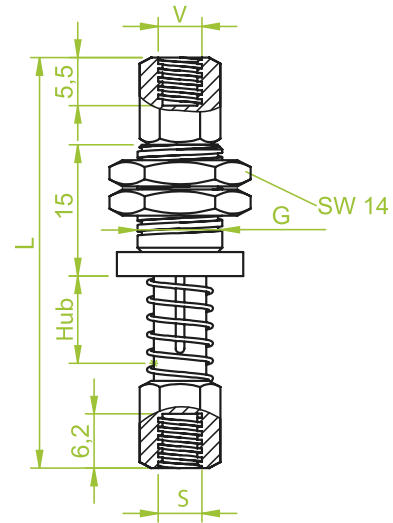
45.400200.008._		vulkanisiert	
		Materialcode	
		02 Silikon	
		Halter <i>Fitting</i>	Gewinde <i>Thread</i>
			
39mm	0g		

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		

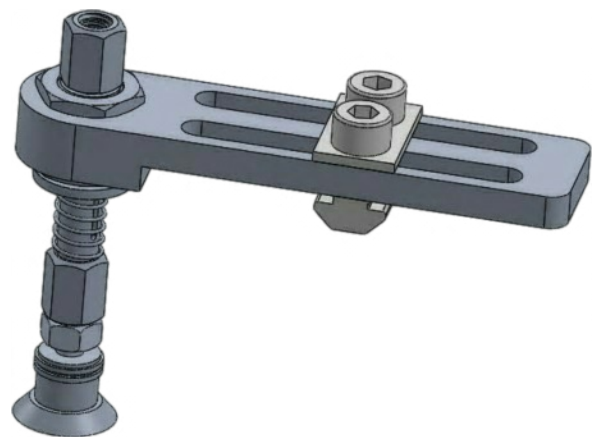
Kombinationsmöglichkeiten | combination possibilities:



80.149

130.134  
(AG M5)

10.015.031.



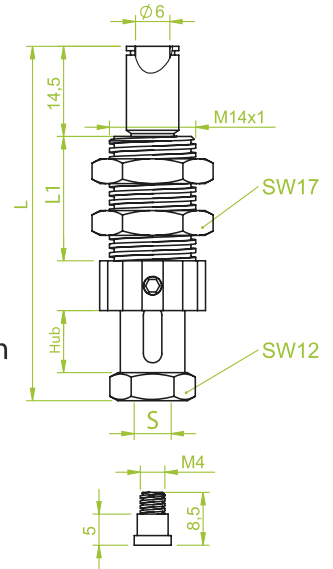
○ Vakuumananschluss | Vacuum connection ● Saugeranschluss | Cups connection \* Verdrehsicherung | Anti-twist-lock


\*\* Verbindungselemente für Aluprofile | Screw joint for aluminium profiles

Gefederte Saugerträger | Spring-loaded cup holders



- Zur Direktmontage von Sauggreifern
  - Mit oder ohne Verdrehschutz
  - 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.



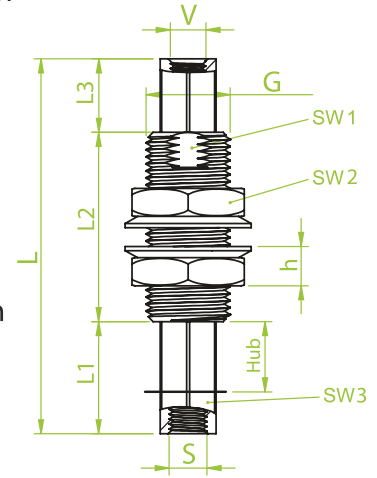
○ Vakuumananschluss | Vacuum connection ● Saugeranschluss | Cups connection \* Verdrehsicherung | Anti-twist-lock

\*\* 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.



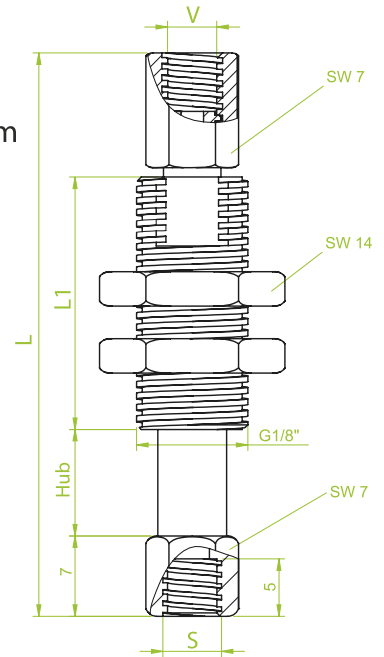
○ Vakuumanchluss | Vacuum connection ● Saugeranschluss | Cups connection \* Verdrehsicherung | Anti-twist-lock

\*\* Verbindungselemente für Aluprofile | Screw joint for aluminium profiles

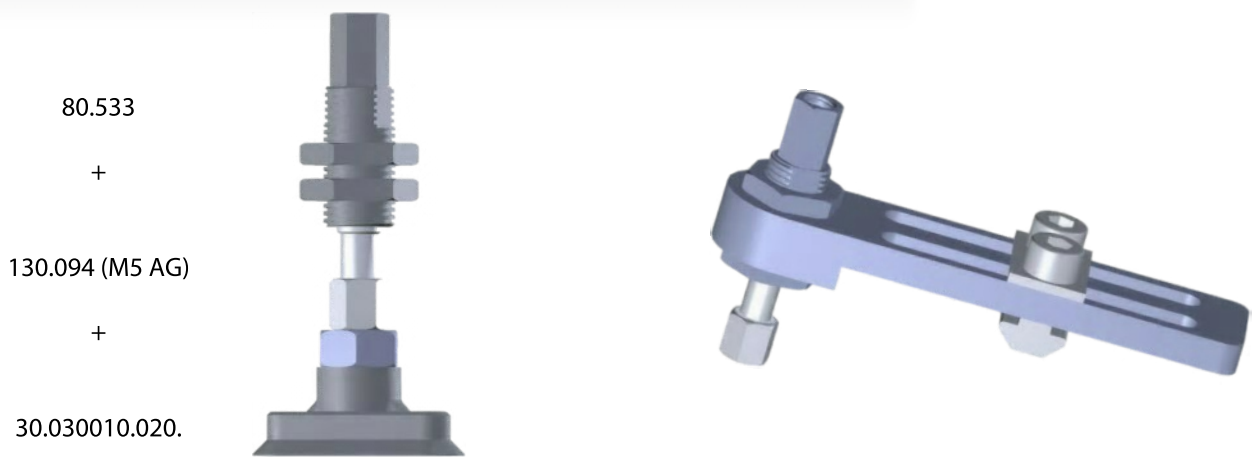
Gefederte Saugerträger | Spring-loaded cup holders



- Zur Direktmontage von Sauggreifern
  - Sehr gute Dämpfungseigenschaften
  - Mit und ohne Verdrehschutz
  - 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		



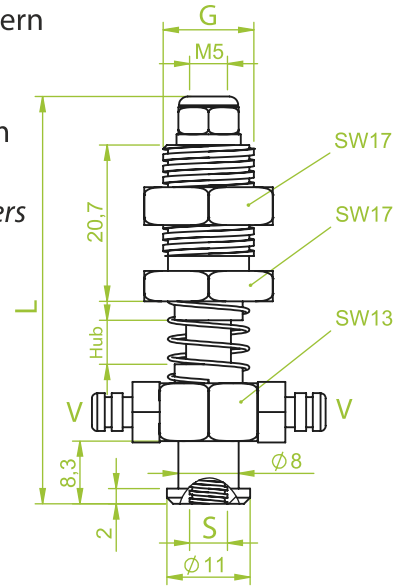
○ Vakuumschluss | Vacuum connection ● Saugeranschluss | Cups connection \* Verdrehsicherung | Anti-twist-lock  
 \*\* Verbindungselemente für Aluprofile | Screw joint for aluminium profiles



**Gefederte Saugerträger | Spring-loaded cup holders**



- Zur Direktmontage von Vakuumsaugern
  - 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



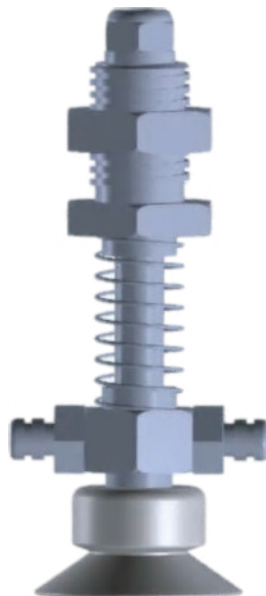
Art.	○V	●S		G	L	VS*	VEA**
80.527	2 x Ø 4,9	IG M5	5 mm	M12	54	–	–
80.528	2 x Ø 4,9	IG M5	15 mm	M12	64	–	
80.529	2 x Ø 4,9	IG M5	30 mm	M12	84	–	

**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

**80.013**

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M8	6
Verdreh-sicherung Anti-twist lock	
-	
55.0mm	
Länge   Length	
176.0mm	

**80.014**

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M8	6
Verdreh-sicherung Anti-twist lock	
-	
80.0mm	
Länge   Length	
209.0mm	

**80.039**

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
7	4
Verdreh-sicherung Anti-twist lock	
-	
25.0mm	
Länge   Length	
98.0mm	

**80.044**

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M8	4
Verdreh-sicherung Anti-twist lock	
-	
25.0mm	
Länge   Length	
97.0mm	

\* Steckanschluss auf Anfrage erhältlich | *P lug connection available on request*

**80.045**

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M8	4
Verdrehsicherung Anti-twist lock	
-	
25.0mm	
Länge   Length	
97.0mm	

**80.050**

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG 1/4	IG 1/8
Verdrehsicherung Anti-twist lock	
-	
42.0mm	
Länge   Length	
90.0mm	

**80.052**

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
AG M12	6
Verdrehsicherung Anti-twist lock	
Ja   Yes	
49.0mm	
Länge   Length	
162.0mm	

**80.053**

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

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
Verdreh-sicherung Anti-twist lock	
Ja   Yes	
	
6.0mm	
Länge   Length	
58.0mm	


**80.095**

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
6	IG M6
Verdreh-sicherung Anti-twist lock	
Ja   Yes	
	
20.0mm	
Länge   Length	
61.0mm	

**80.096**

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
6	IG M6
Verdreh-sicherung Anti-twist lock	
Ja   Yes	
	
30.0mm	
Länge   Length	
75.0mm	

**80.097**

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
6	IG M6
Verdreh-sicherung Anti-twist lock	
Ja   Yes	
	
40.0mm	
Länge   Length	
87.0mm	

\* Steckanschluss auf Anfrage erhältlich | P lug connection available on request

<b>80.098</b>	
Gewinde Thread	
Sauger Cups	Vakuum Vacuum
6	IG M6
Verdrehsicherung Anti-twist lock	
Ja   Yes	
50.0mm	
Länge   Length	
100.0mm	

<b>80.103</b>	
Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M4	6
Verdrehsicherung Anti-twist lock	
Ja   Yes	
6.0mm	
Länge   Length	
54.5mm	

<b>80.104</b>	
Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M4	4
Verdrehsicherung Anti-twist lock	
Ja   Yes	
6.0mm	
Länge   Length	
53.5mm	

<b>80.105</b>	
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**

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG 1/4	6
Verdrehsicherung Anti-twist lock	
49.0mm	
Länge   Length	
167.0mm	

**80.107**

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG 1/4	6
Verdrehsicherung Anti-twist lock	
74.0mm	
Länge   Length	
197.0mm	

**80.120**

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M5	IG M5
Verdrehsicherung Anti-twist lock	
7.0mm	
Länge   Length	
43.0mm	

**80.121**

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



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**

Technical drawing of spring leveler 80.126. The main drawing shows a vertical assembly with a top cup of diameter  $\varnothing 6$  and height 14.5. Below the cup is a threaded section with a length of 25 and a thread of M14x1. This is followed by a locking section with a length of 8 and a diameter of 8. The bottom section has a length of 15 and a diameter of 6. The total height is 67. A detail drawing shows a bottom cup with a diameter of  $\varnothing 6$ , a height of 5, and a thread of M4 with a length of 8.5. Labels include SW17 for the locking section and SW12 for the bottom section.

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M4	6
Verdrehsicherung Anti-twist lock	
-	
15.0mm	
Länge   Length	
67.0mm	

**80.127**

Technical drawing of spring leveler 80.127. The main drawing shows a vertical assembly with a top cup of diameter  $\varnothing 6$  and height 14.5. Below the cup is a threaded section with a length of 34 and a thread of M14x1. This is followed by a locking section with a length of 10 and a diameter of 8. The bottom section has a length of 20 and a diameter of 6. The total height is 83. A detail drawing shows a bottom cup with a diameter of  $\varnothing 6$ , a height of 5, and a thread of M4 with a length of 8.5. Labels include SW17 for the locking section and SW12 for the bottom section.

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M4	6
Verdrehsicherung Anti-twist lock	
-	
20.0mm	
Länge   Length	
83.0mm	

**80.128**

Technical drawing of spring leveler 80.128. The main drawing shows a vertical assembly with a top cup of diameter  $\varnothing 6$  and height 16.5. Below the cup is a threaded section with a length of 20 and a thread of M14x1. This is followed by a locking section with a length of 8 and a diameter of 8. The bottom section has a length of 10 and a diameter of 6. The total height is 60.5. A detail drawing shows a bottom cup with a diameter of  $\varnothing 10,5$ , a height of 6, and a thread of M6 with a length of 11. Labels include SW17 for the locking section and SW12 for the bottom section.

Gewinde Thread	
Sauger Cups	Vakuum Vacuum
IG M6	6
Verdrehsicherung Anti-twist lock	
Ja   Yes	
10.0mm	
Länge   Length	
59.0mm	

**80.129**

Technical drawing of spring leveler 80.129. The main drawing shows a vertical assembly with a top cup of diameter  $\varnothing 6$  and height 16.5. Below the cup is a threaded section with a length of 25 and a thread of M14x1. This is followed by a locking section with a length of 8 and a diameter of 8. The bottom section has a length of 15 and a diameter of 6. The total height is 70.5. A detail drawing shows a bottom cup with a diameter of  $\varnothing 10,5$ , a height of 6, and a thread of M6 with a length of 11. Labels include SW17 for the locking section and SW12 for the bottom section.

Gewinde Thread	
Sauger Cups	Vakuum 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

80.130																			
<p>Technical drawing of spring leveler 80.130. Dimensions: Total length 86.5mm, top section 16.5mm, middle section 34mm, bottom section 20mm. Components: SW 17, SW 12, M14x1, M6, Ø10.5, Ø10. Bottom view shows a 6mm diameter section with a 11mm length.</p>	<table border="1"> <tr> <th colspan="2">Gewinde Thread</th> </tr> <tr> <th>Sauger Cups</th> <th>Vakuum Vacuum</th> </tr> <tr> <td>IG M6</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">20.0mm</td> </tr> <tr> <th colspan="2">Länge   Length</th> </tr> <tr> <td colspan="2">85.0mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	IG M6	6	Verdrehsicherung Anti-twist lock		Ja   Yes				20.0mm		Länge   Length		85.0mm	
	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	IG M6	6																	
	Verdrehsicherung Anti-twist lock																		
	Ja   Yes																		
	20.0mm																		
	Länge   Length																		
	85.0mm																		

80.131																			
<p>Technical drawing of spring leveler 80.131. Dimensions: Total length 124mm, top section 32mm, middle section 40mm, bottom section 28mm, 15mm, 9mm. Components: SW 17, M20, SW 30, SW 20, Ø6, G1/4".</p>	<table border="1"> <tr> <th colspan="2">Gewinde Thread</th> </tr> <tr> <th>Sauger Cups</th> <th>Vakuum Vacuum</th> </tr> <tr> <td>AG 1/4</td> <td>6</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">16.0mm</td> </tr> <tr> <th colspan="2">Länge   Length</th> </tr> <tr> <td colspan="2">124.0mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	AG 1/4	6	Verdrehsicherung Anti-twist lock		-				16.0mm		Länge   Length		124.0mm	
	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	AG 1/4	6																	
	Verdrehsicherung Anti-twist lock																		
	-																		
	16.0mm																		
	Länge   Length																		
	124.0mm																		

80.138																			
<p>Technical drawing of spring leveler 80.138. Dimensions: Total length 165mm, top section 45mm, middle section 50mm, bottom section 55mm, 15mm, 10mm. Components: SW 19, M35x1.5, Ø9, G1/2".</p>	<table border="1"> <tr> <th colspan="2">Gewinde Thread</th> </tr> <tr> <th>Sauger Cups</th> <th>Vakuum Vacuum</th> </tr> <tr> <td>AG 1/2</td> <td>9</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">37.0mm</td> </tr> <tr> <th colspan="2">Länge   Length</th> </tr> <tr> <td colspan="2">165.0mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	AG 1/2	9	Verdrehsicherung Anti-twist lock		-				37.0mm		Länge   Length		165.0mm	
	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	AG 1/2	9																	
	Verdrehsicherung Anti-twist lock																		
	-																		
	37.0mm																		
	Länge   Length																		
	165.0mm																		

80.149																			
<p>Technical drawing of spring leveler 80.149. Dimensions: Total length 47mm, top section 5.5mm, middle section 15mm, bottom section 10mm, 6.2mm. Components: M5, G1/8", SW 14.</p>	<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">-</td> </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">47.0mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	IG M5	IG M5	Verdrehsicherung Anti-twist lock		-				10.0mm		Länge   Length		47.0mm	
	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	IG M5	IG M5																	
	Verdrehsicherung Anti-twist lock																		
	-																		
	10.0mm																		
	Länge   Length																		
	47.0mm																		

\* Steckanschluss auf Anfrage erhältlich | *P lug connection available on request*

<b>80.150</b>		
	<b>Gewinde</b> <i>Thread</i>	
	<b>Sauger</b> <i>Cups</i>	
	<b>Vakuum</b> <i>Vacuum</i>	
	IG M5	IG M5
	<b>Verdrehsicherung</b> <i>Anti-twist lock</i>	
	-	
	20.0mm	
	<b>Länge   Length</b>	
	59.0mm	

<b>80.152</b>		
	<b>Gewinde</b> <i>Thread</i>	
	<b>Sauger</b> <i>Cups</i>	
	<b>Vakuum</b> <i>Vacuum</i>	
	IG M5	IG M5
	<b>Verdrehsicherung</b> <i>Anti-twist lock</i>	
	Ja   Yes	
	10.0mm	
	<b>Länge   Length</b>	
	47.0mm	

<b>80.153</b>		
	<b>Gewinde</b> <i>Thread</i>	
	<b>Sauger</b> <i>Cups</i>	
	<b>Vakuum</b> <i>Vacuum</i>	
	IG M5	IG M5
	<b>Verdrehsicherung</b> <i>Anti-twist lock</i>	
	Ja   Yes	
	20.0mm	
	<b>Länge   Length</b>	
	59.0mm	

<b>80.160</b>		
	<b>Gewinde</b> <i>Thread</i>	
	<b>Sauger</b> <i>Cups</i>	
	<b>Vakuum</b> <i>Vacuum</i>	
	AG 1/8	IG 1/8
	<b>Verdrehsicherung</b> <i>Anti-twist lock</i>	
	-	
	25.0mm	
	<b>Länge   Length</b>	
	93.0mm	

\* Steckanschluss auf Anfrage erhältlich | *P lug connection available on request*

80.523																			
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	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	IG M5	IG M5																	
	Verdrehsicherung Anti-twist lock																		
	Ja   Yes																		
15.0mm																			
Länge   Length																			
53.5mm																			

80.524																			
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	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	IG 1/8	IG 1/8																	
	Verdrehsicherung Anti-twist lock																		
	Ja   Yes																		
25.0mm																			
Länge   Length																			
82.0mm																			

80.525																			
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	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	IG 1/4	IG 1/8																	
	Verdrehsicherung Anti-twist lock																		
	Ja   Yes																		
35.0mm																			
Länge   Length																			
123.0mm																			

80.526																			
	<table border="1"> <tr> <th colspan="2">Gewinde Thread</th> </tr> <tr> <th>Sauger Cups</th> <th>Vakuum Vacuum</th> </tr> <tr> <td></td> <td></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">55.0mm</td> </tr> <tr> <th colspan="2">Länge   Length</th> </tr> <tr> <td colspan="2">0.0mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum			Verdrehsicherung Anti-twist lock		-				55.0mm		Länge   Length		0.0mm	
	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	Verdrehsicherung Anti-twist lock																		
	-																		
55.0mm																			
Länge   Length																			
0.0mm																			

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<b>80.530</b>	
	<b>Gewinde</b> <i>Thread</i>
	Sauger <i>Cups</i>
	Vakuum <i>Vacuum</i>
	IG M5
	<b>Verdrehsicherung</b> <i>Anti-twist lock</i>
	-
	10.0mm
	<b>Länge   Length</b>
	49.0mm

<b>80.531</b>	
	<b>Gewinde</b> <i>Thread</i>
	Sauger <i>Cups</i>
	Vakuum <i>Vacuum</i>
	IG M5
	<b>Verdrehsicherung</b> <i>Anti-twist lock</i>
	-
	20.0mm
	<b>Länge   Length</b>
	76.0mm

<b>80.532</b>	
	<b>Gewinde</b> <i>Thread</i>
	Sauger <i>Cups</i>
	Vakuum <i>Vacuum</i>
	IG M5
	<b>Verdrehsicherung</b> <i>Anti-twist lock</i>
	-
	40.0mm
	<b>Länge   Length</b>
	121.0mm

<b>80.533</b>	
	<b>Gewinde</b> <i>Thread</i>
	Sauger <i>Cups</i>
	Vakuum <i>Vacuum</i>
	IG M5
	<b>Verdrehsicherung</b> <i>Anti-twist lock</i>
	Ja   Yes
	7.0mm
	<b>Länge   Length</b>
	42.0mm

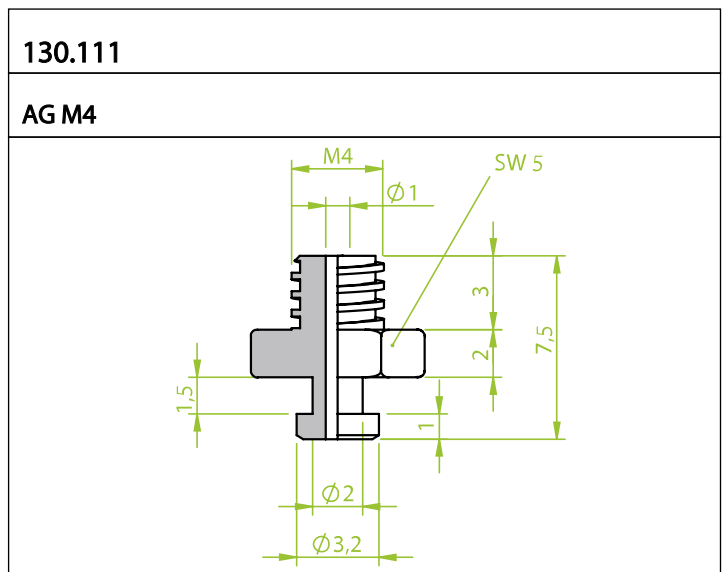
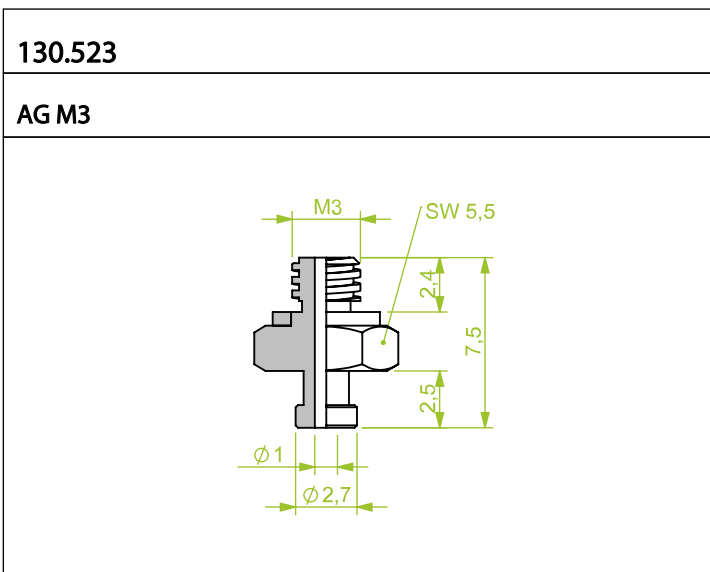
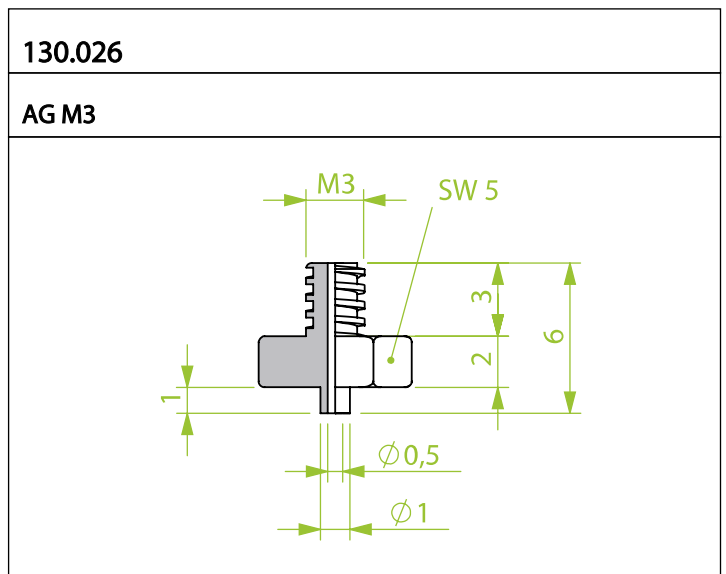
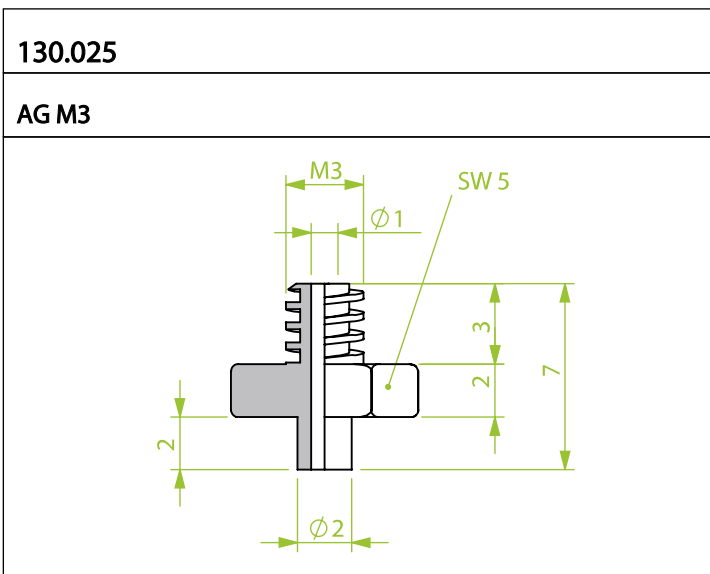
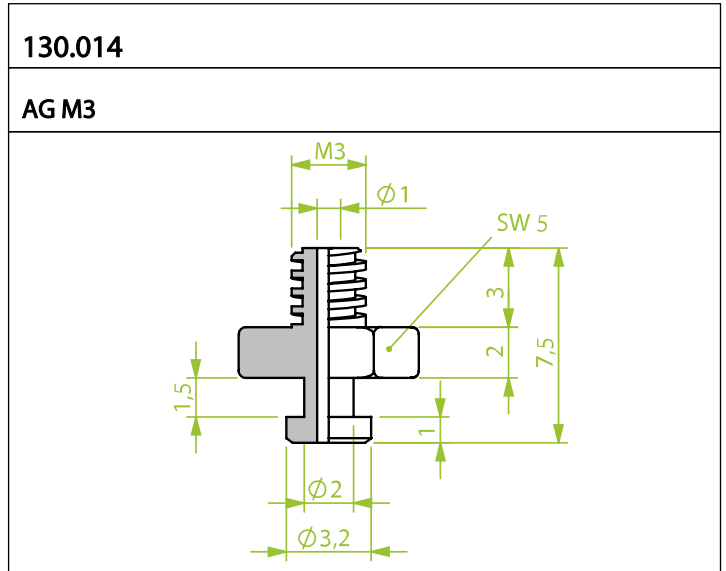
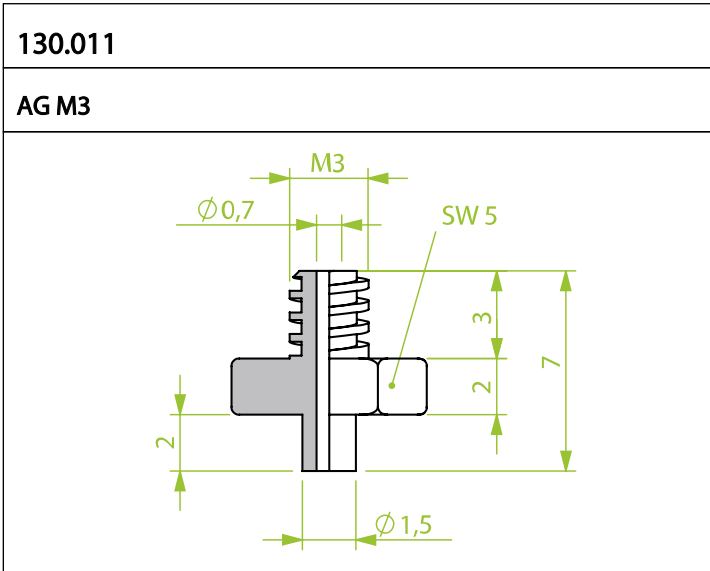
\* Steckanschluss auf Anfrage erhältlich | *P lug connection available on request*

<b>80.534</b>																			
	<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">Ja   Yes</td> </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">49.0mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	IG M5	IG M5	Verdrehsicherung Anti-twist lock		Ja   Yes				10.0mm		Länge   Length		49.0mm	
	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	IG M5	IG M5																	
	Verdrehsicherung Anti-twist lock																		
	Ja   Yes																		
	10.0mm																		
	Länge   Length																		
	49.0mm																		

<b>80.535</b>																			
	<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">Ja   Yes</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2">20.0mm</td> </tr> <tr> <th colspan="2">Länge   Length</th> </tr> <tr> <td colspan="2">73.5mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	IG M5	IG M5	Verdrehsicherung Anti-twist lock		Ja   Yes				20.0mm		Länge   Length		73.5mm	
	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	IG M5	IG M5																	
	Verdrehsicherung Anti-twist lock																		
	Ja   Yes																		
	20.0mm																		
	Länge   Length																		
	73.5mm																		

<b>80.536</b>																			
	<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">Ja   Yes</td> </tr> <tr> <td colspan="2" style="text-align: center;"> </td> </tr> <tr> <td colspan="2">40.0mm</td> </tr> <tr> <th colspan="2">Länge   Length</th> </tr> <tr> <td colspan="2">118.5mm</td> </tr> </table>	Gewinde Thread		Sauger Cups	Vakuum Vacuum	IG M5	IG M5	Verdrehsicherung Anti-twist lock		Ja   Yes				40.0mm		Länge   Length		118.5mm	
	Gewinde Thread																		
	Sauger Cups	Vakuum Vacuum																	
	IG M5	IG M5																	
	Verdrehsicherung Anti-twist lock																		
	Ja   Yes																		
	40.0mm																		
	Länge   Length																		
	118.5mm																		

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\* AG = Außengewinde | Male thread

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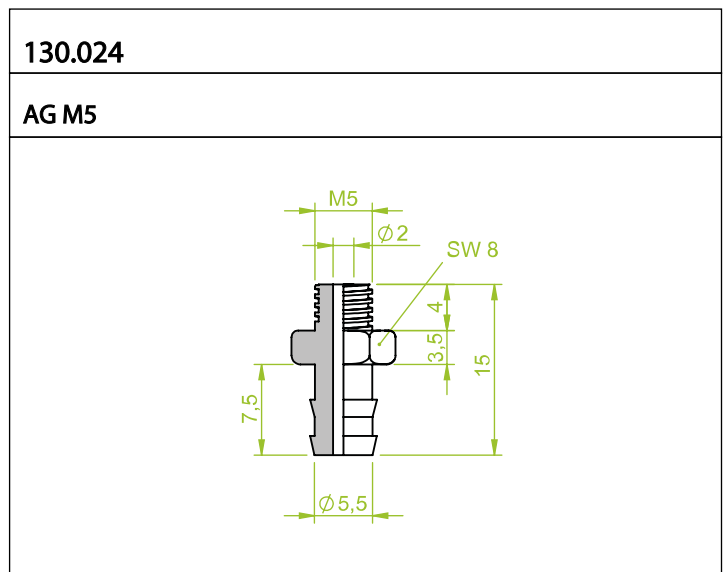
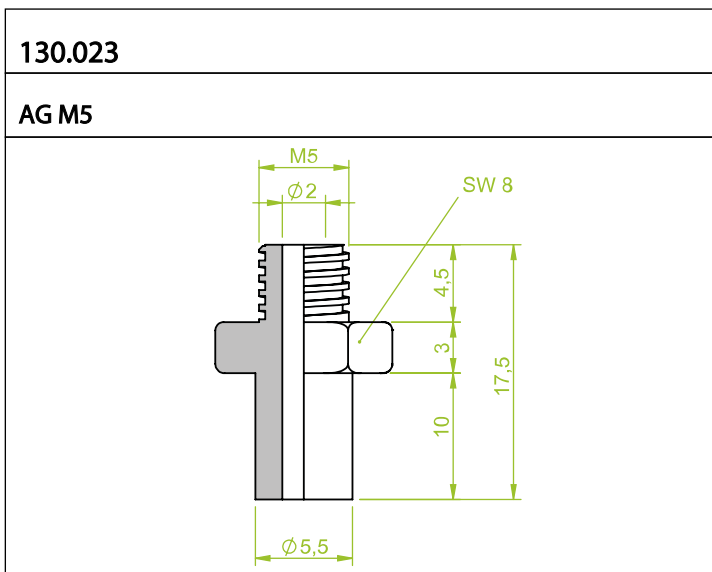
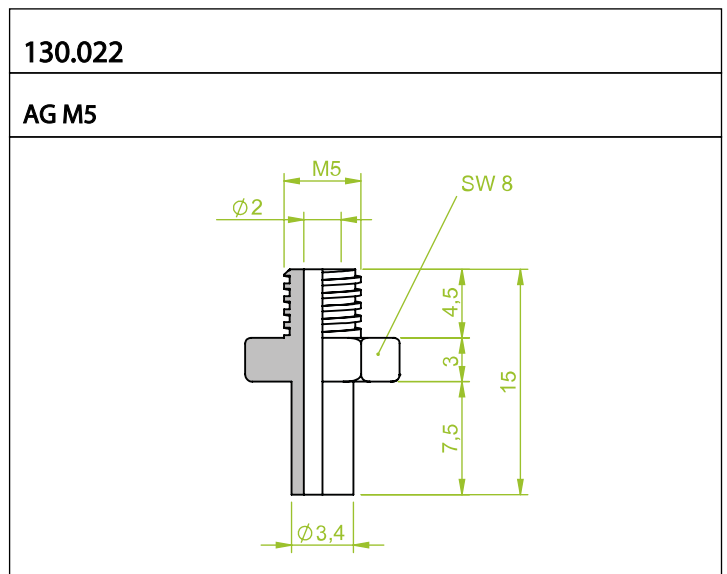
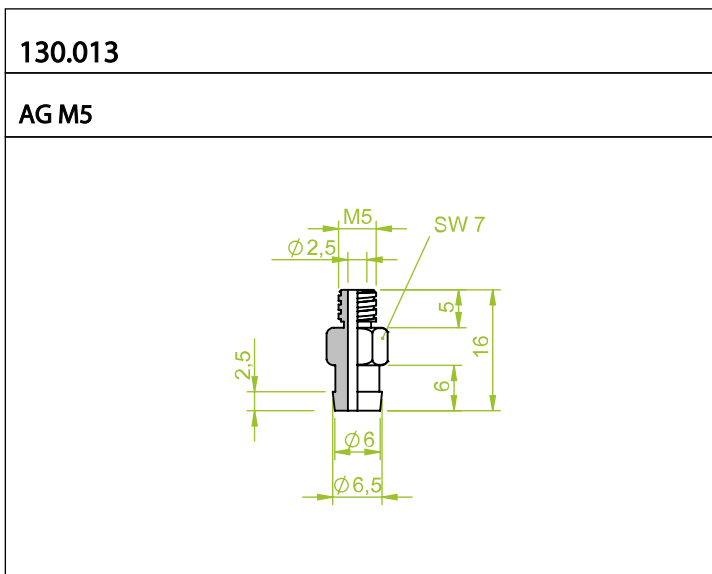
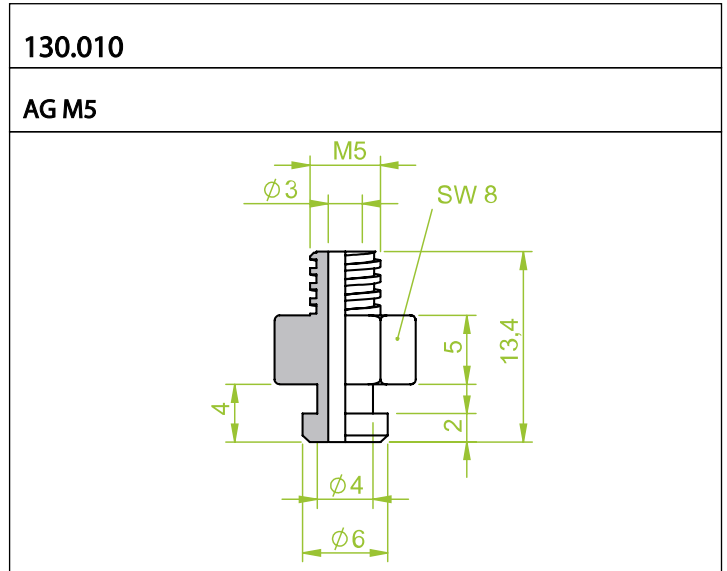
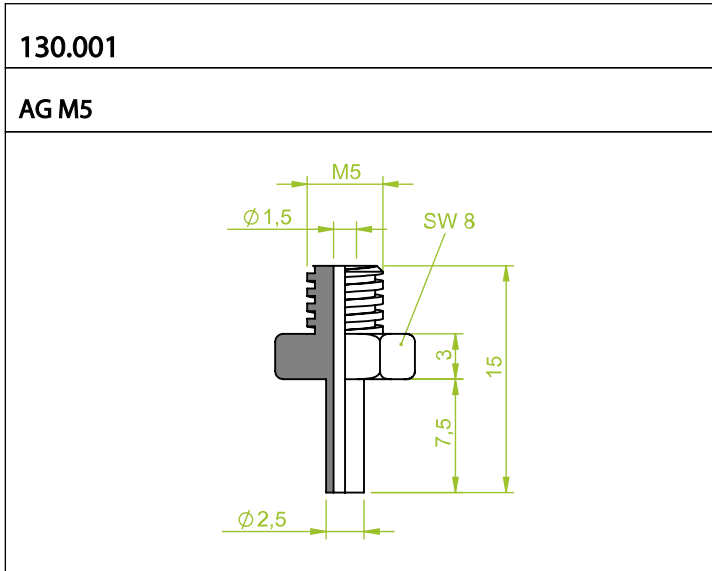
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Fax: +49 741 - 17 52 60-29

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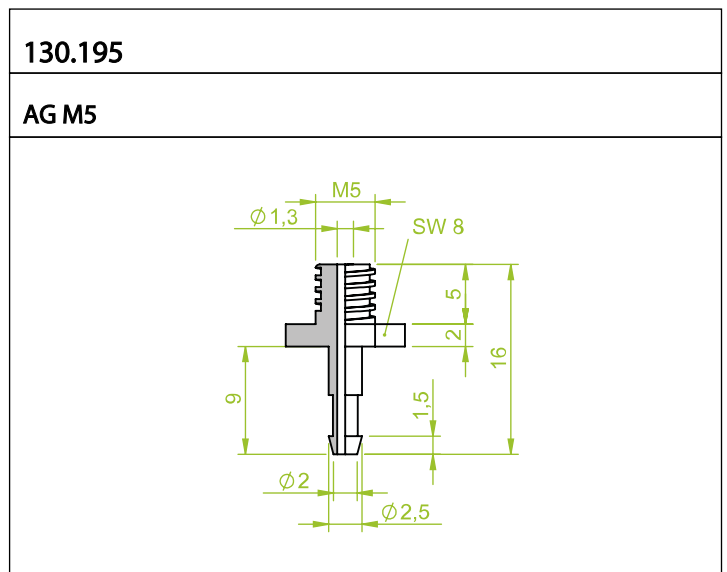
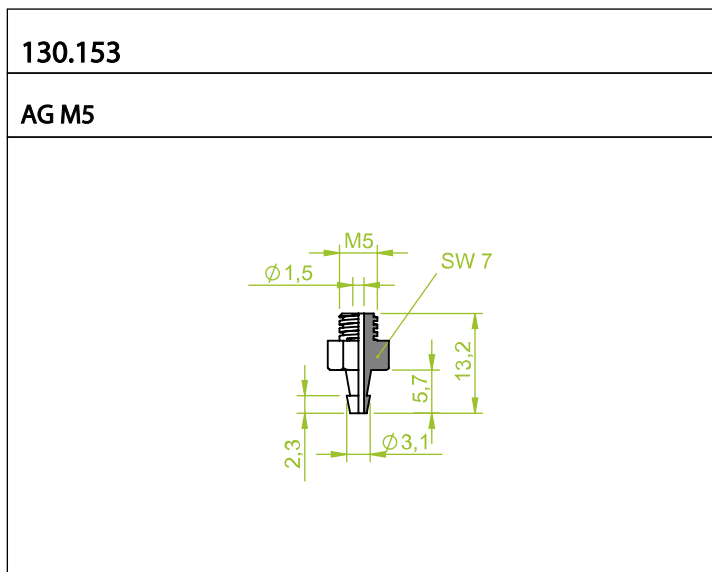
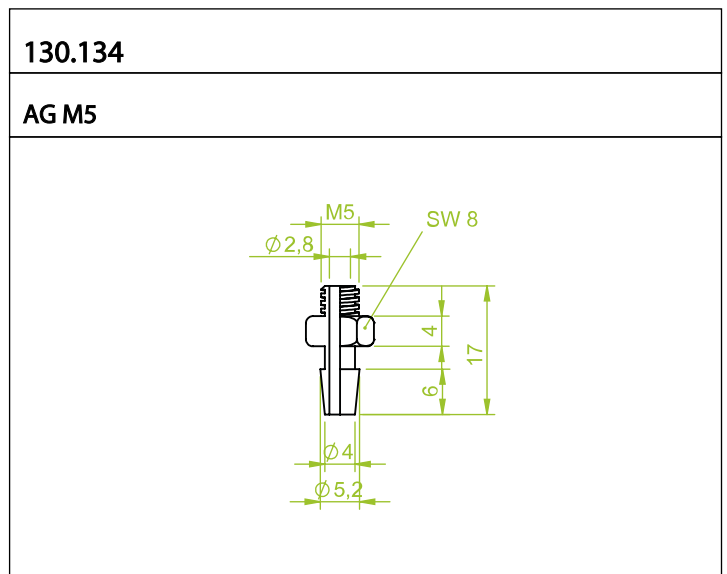
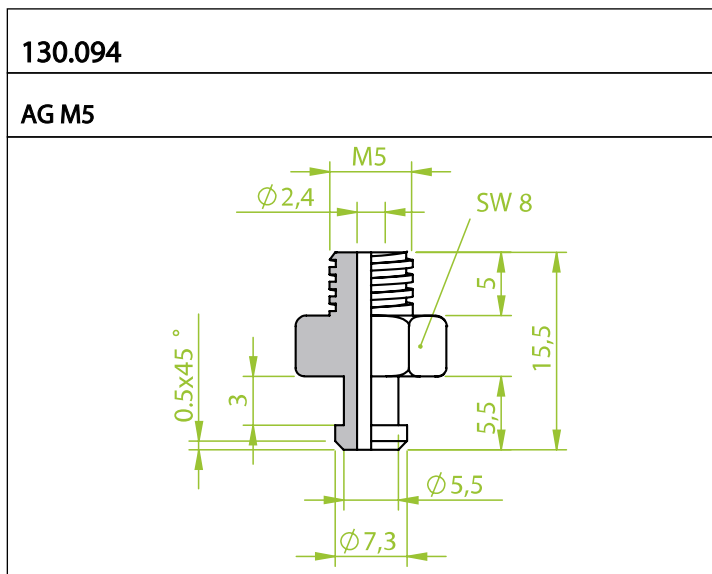
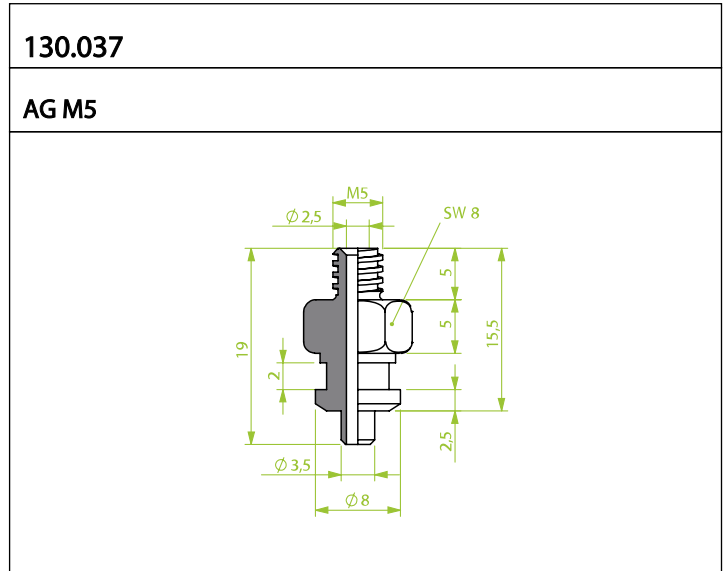
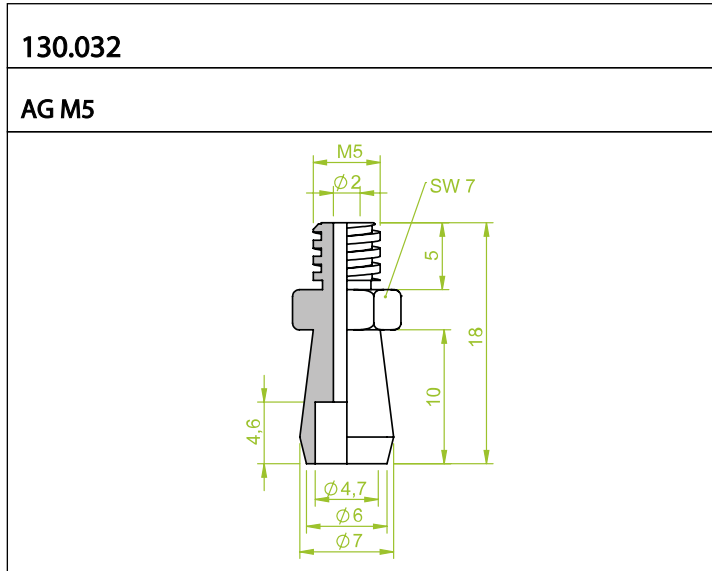
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\* **AG** = Außengewinde | Male thread

**IG** = Innengewinde | Female thread





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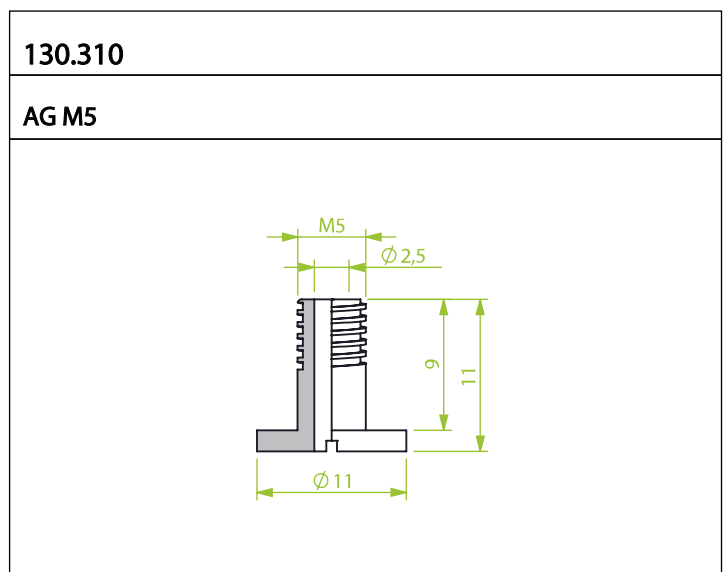
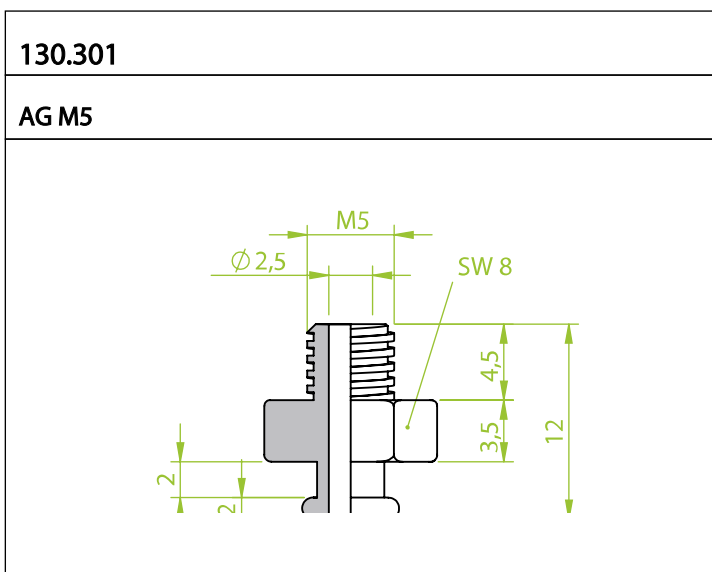
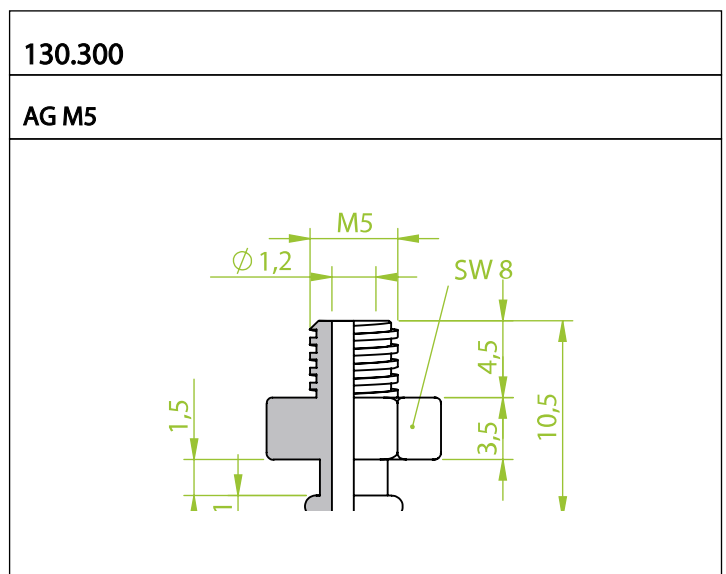
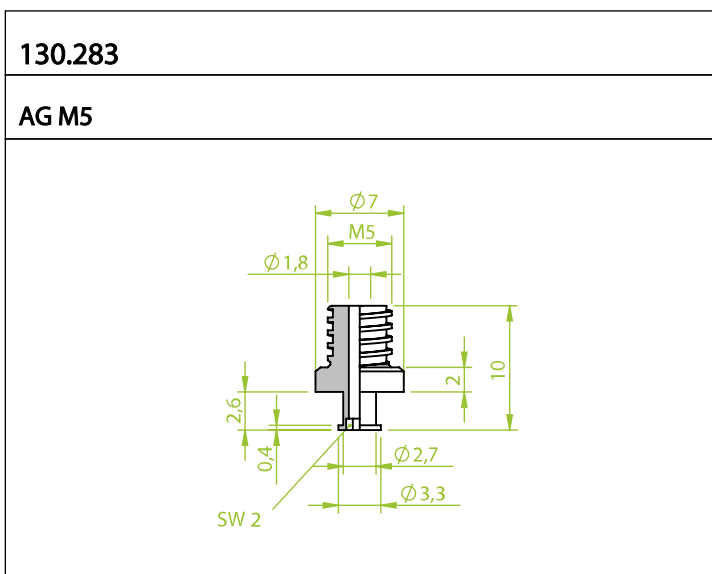
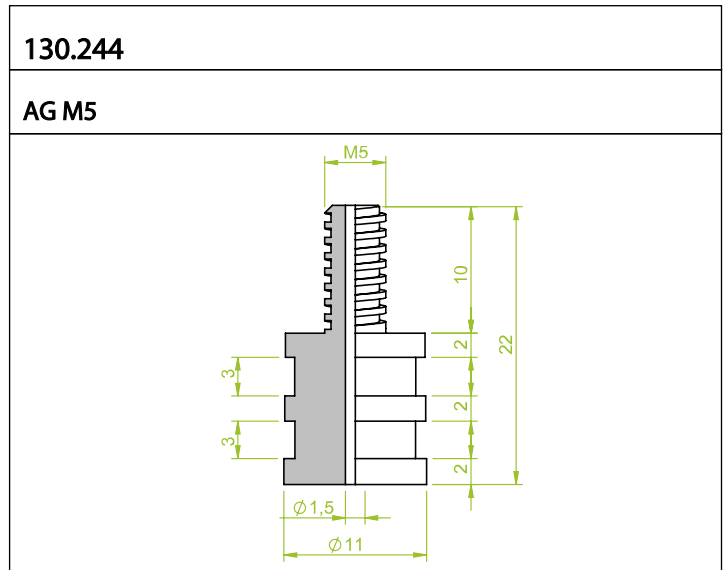
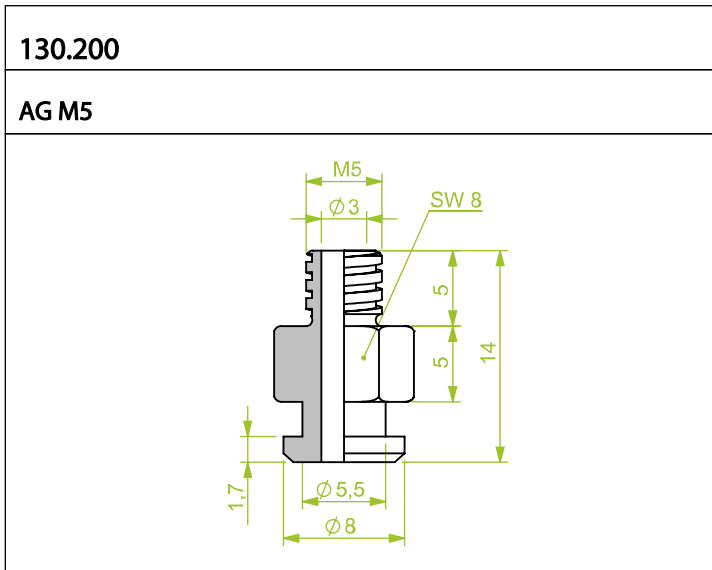
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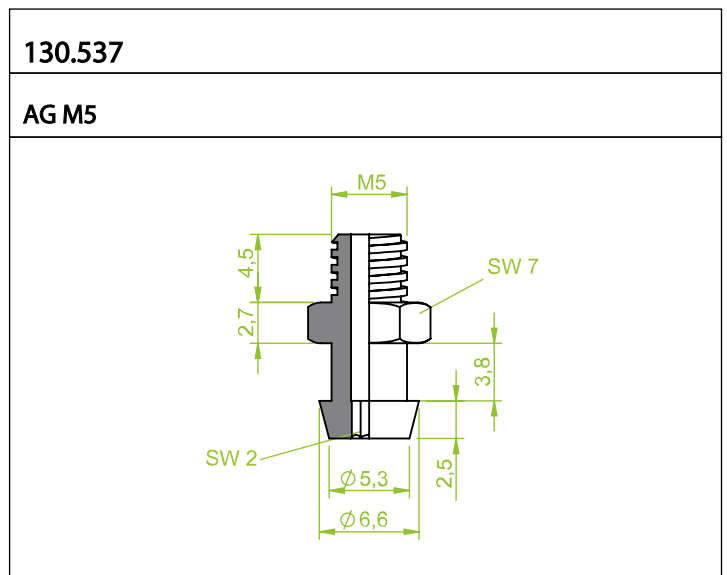
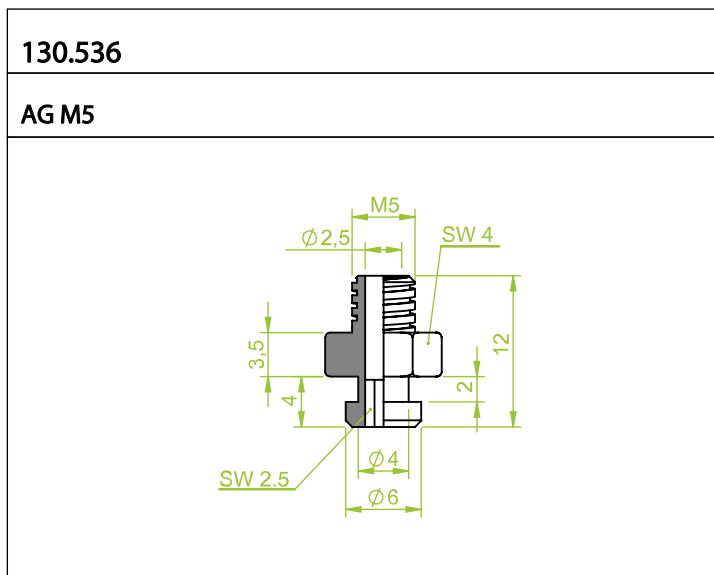
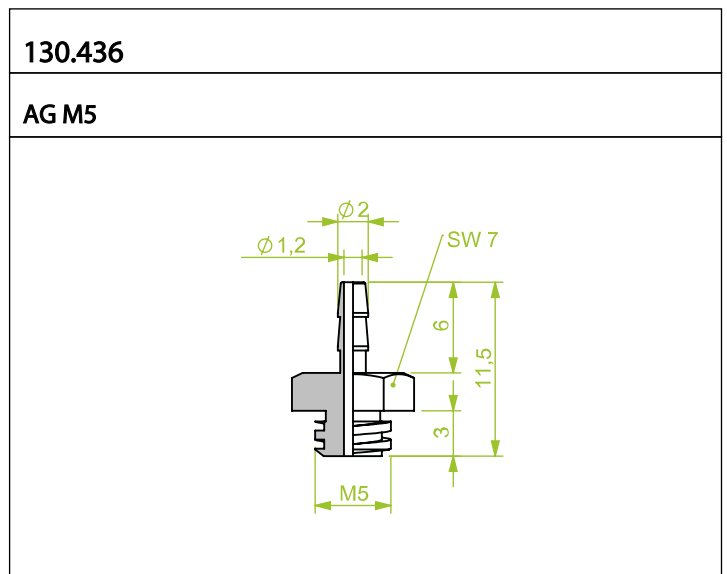
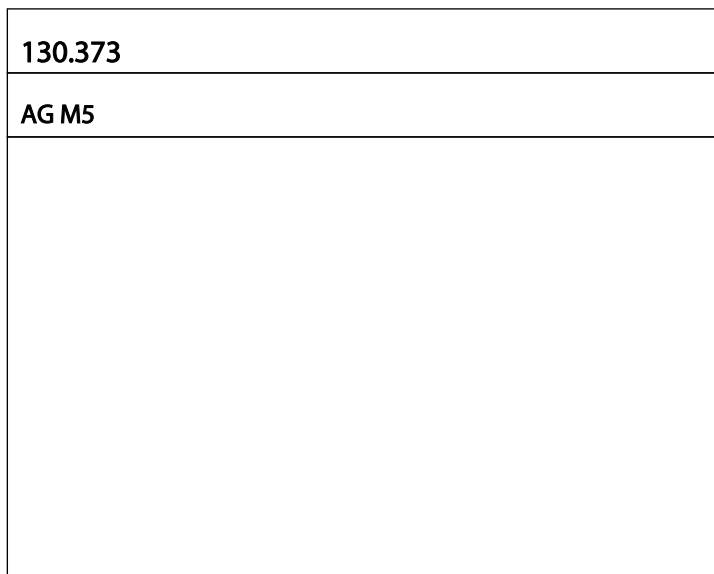
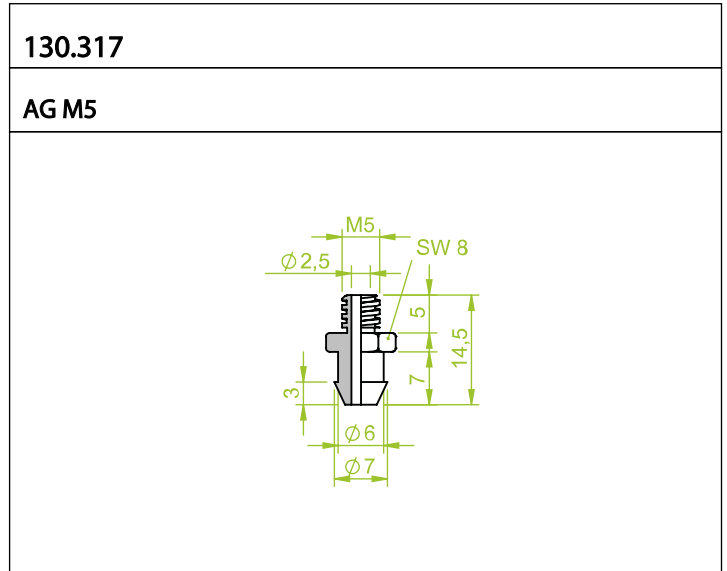
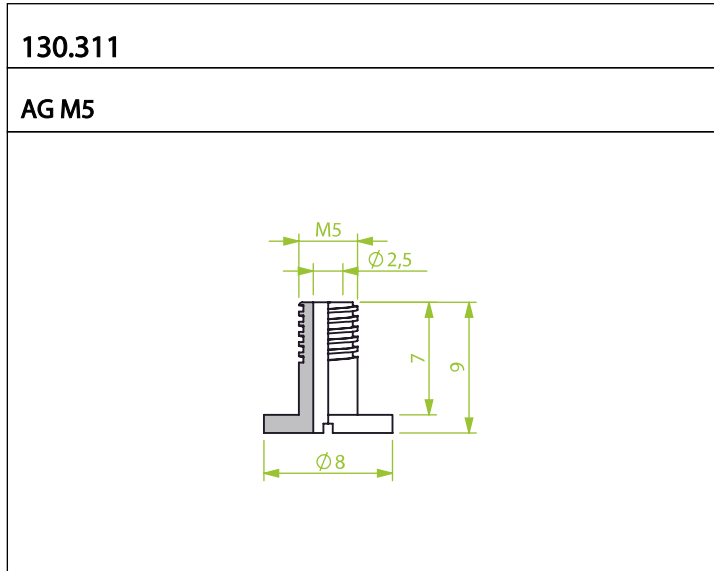
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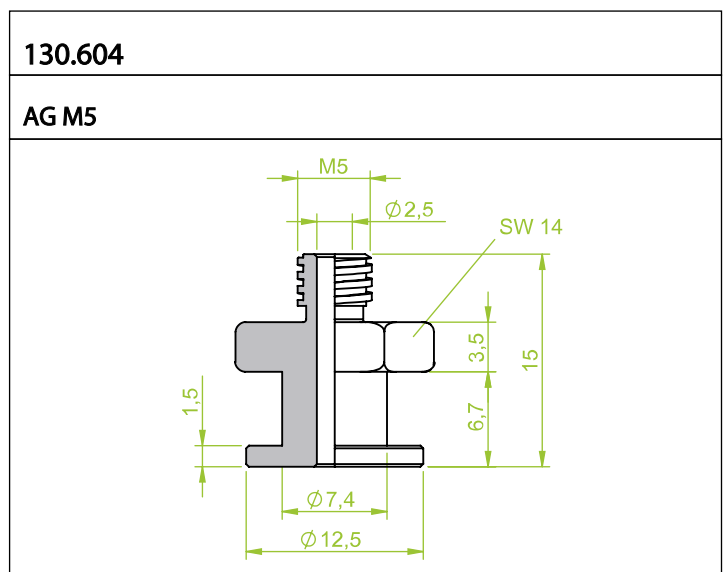
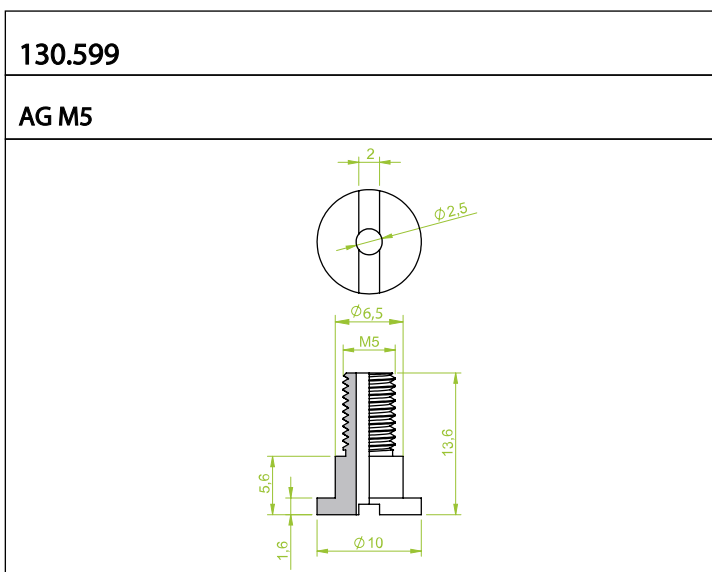
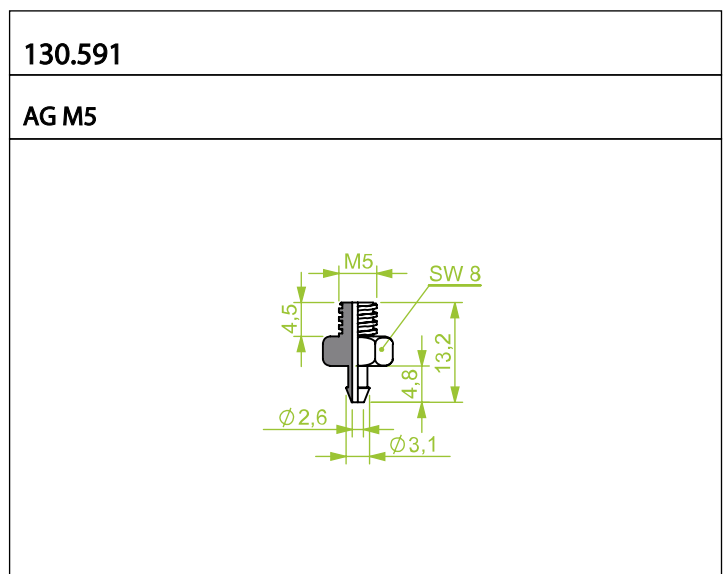
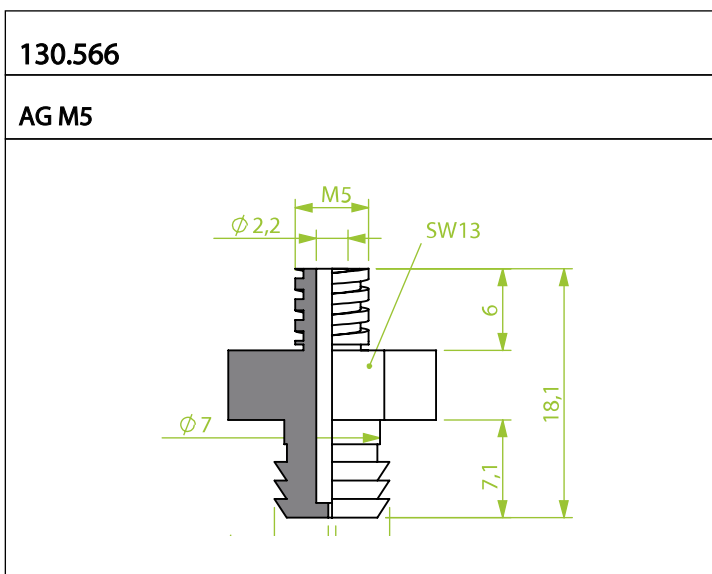
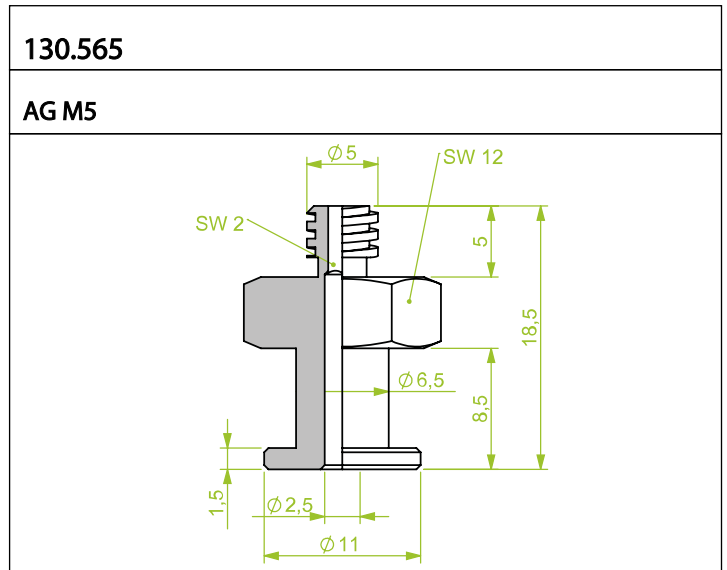
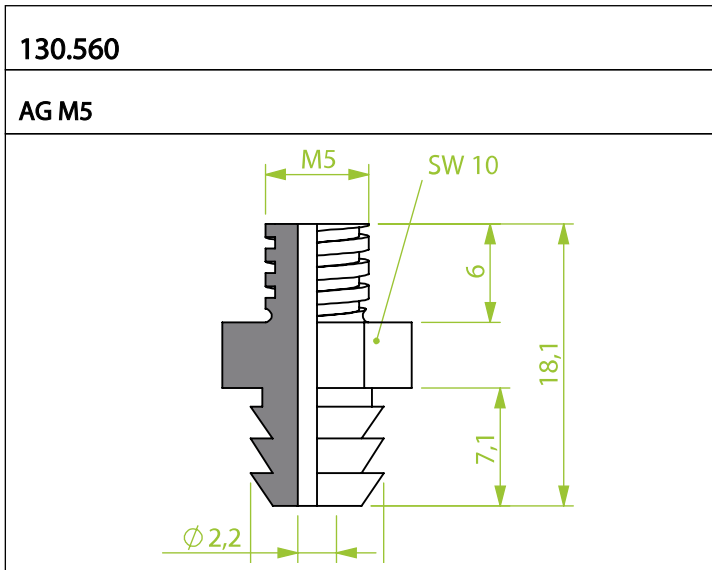
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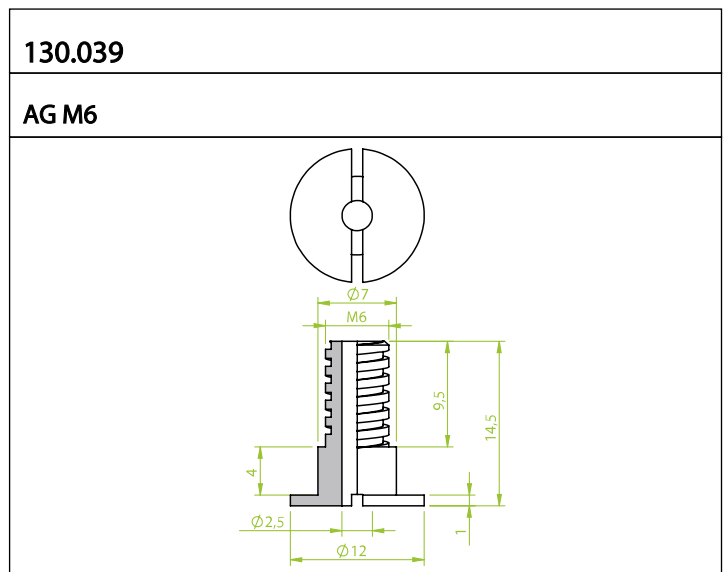
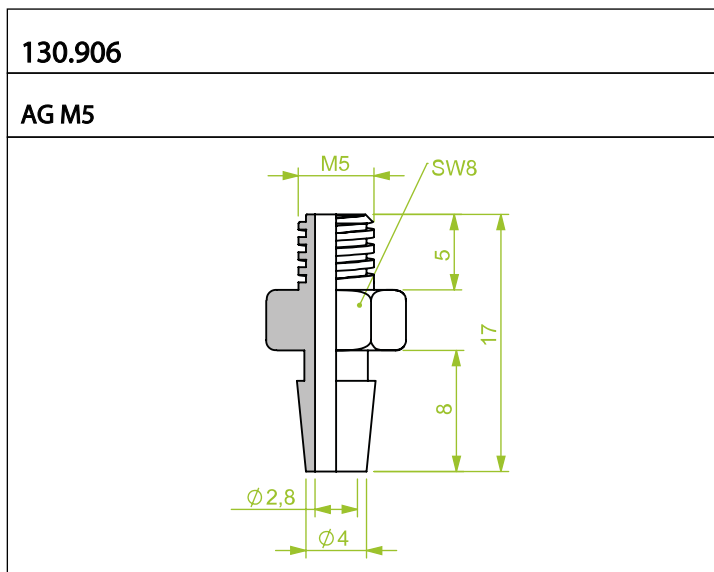
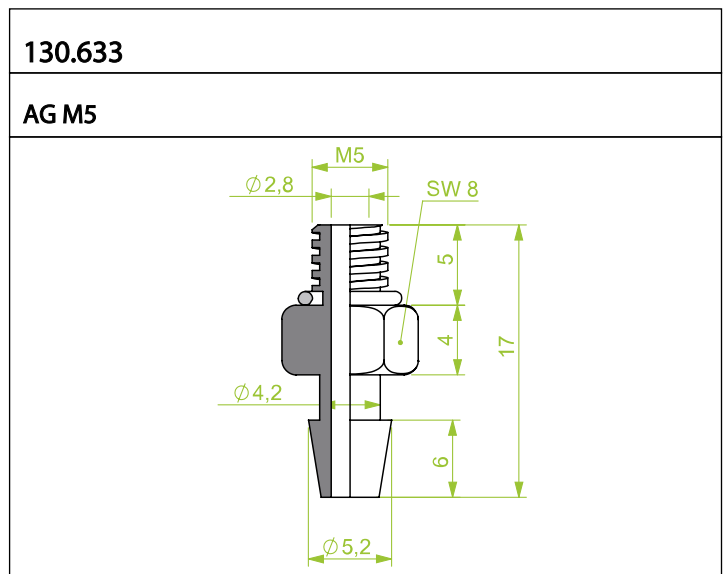
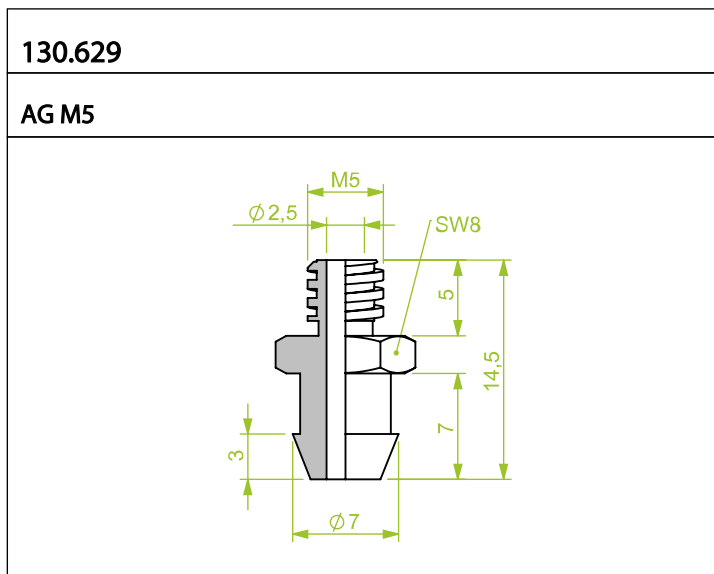
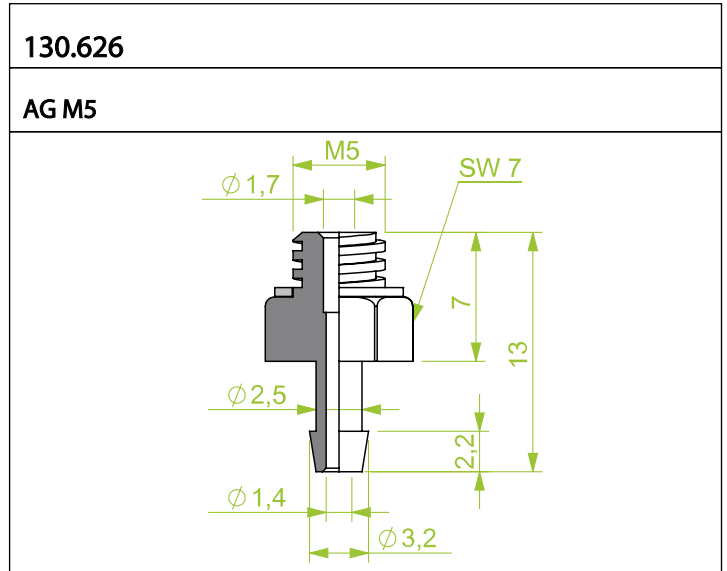
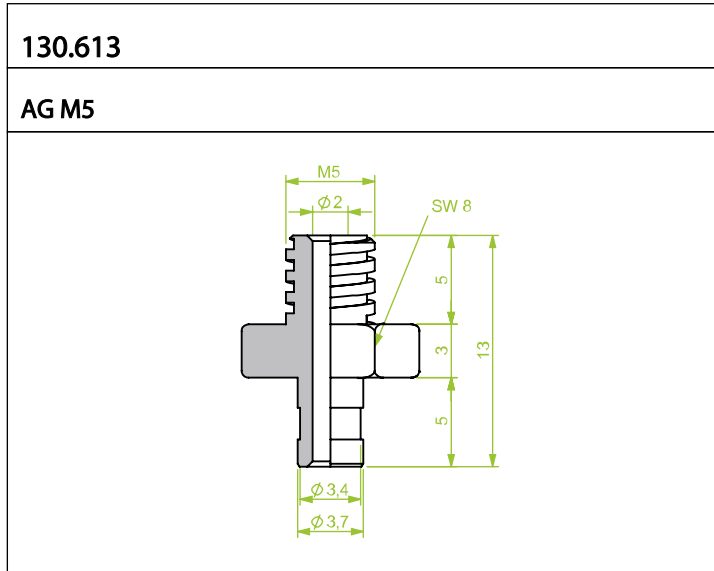




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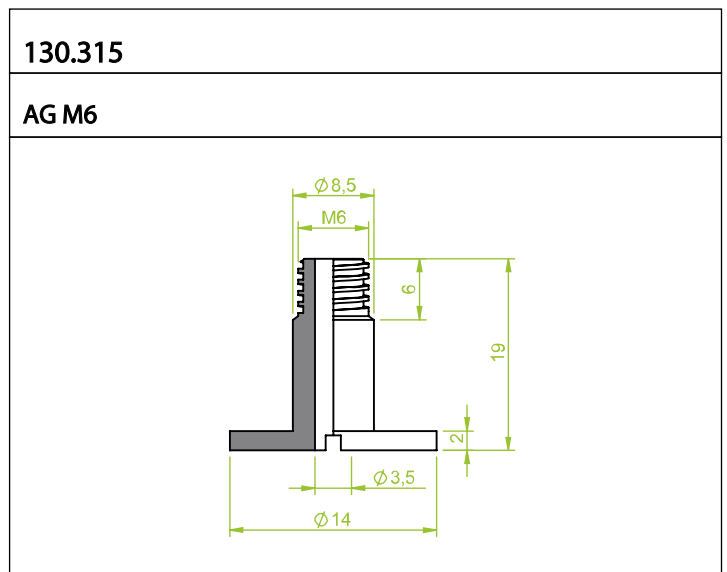
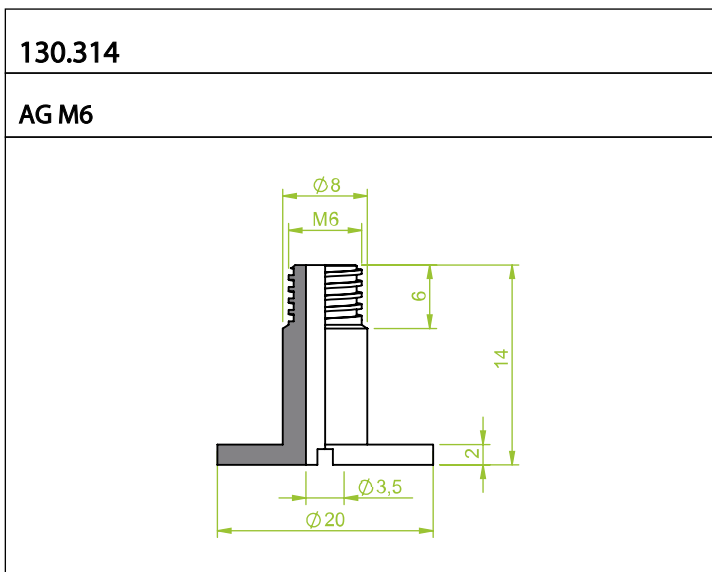
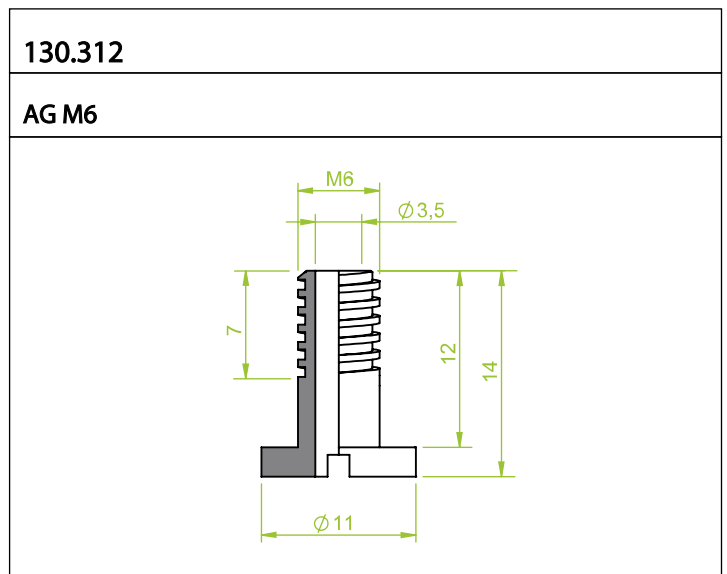
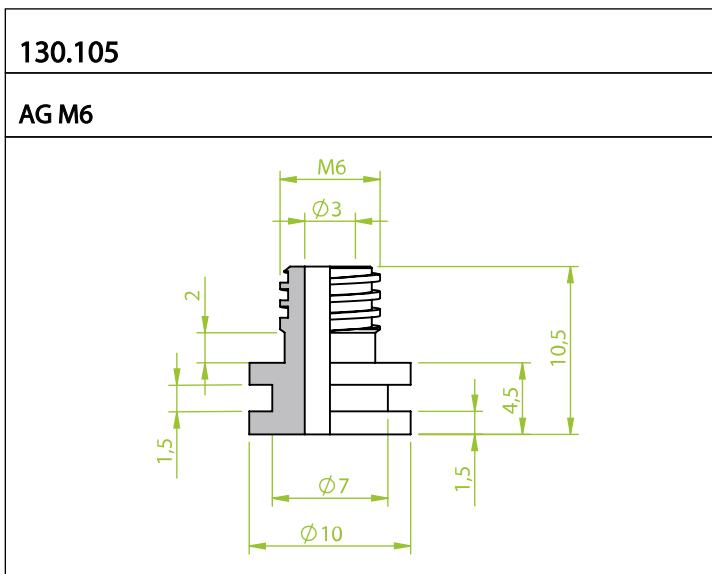
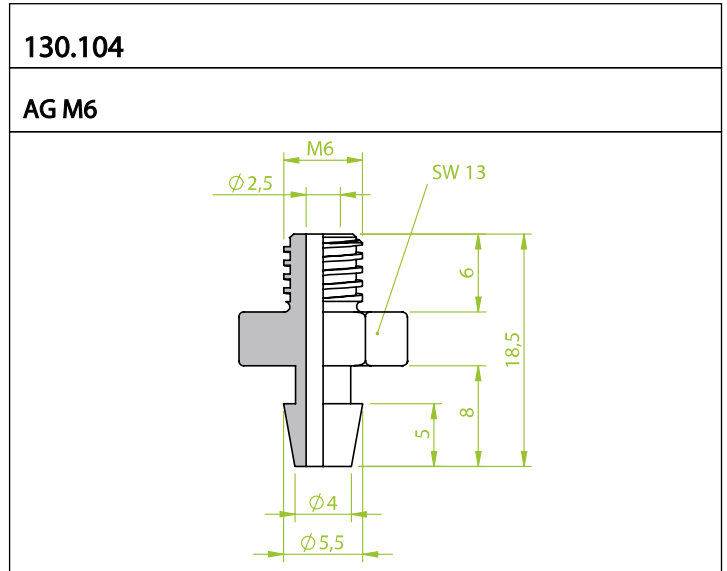
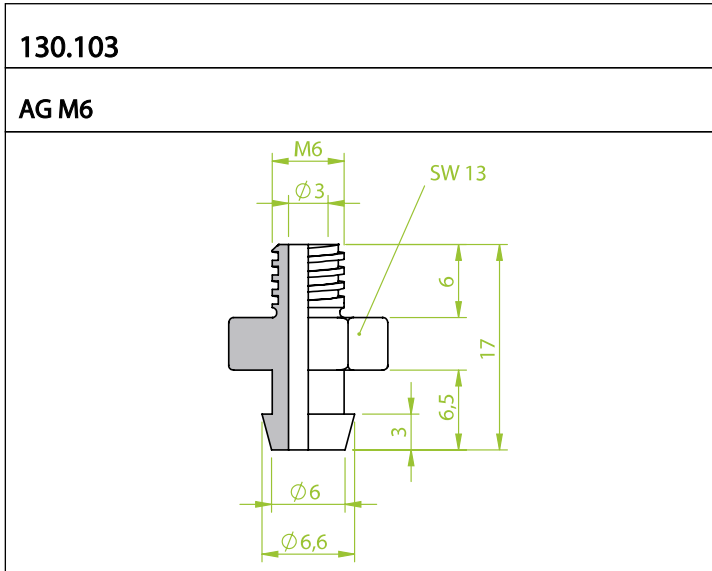
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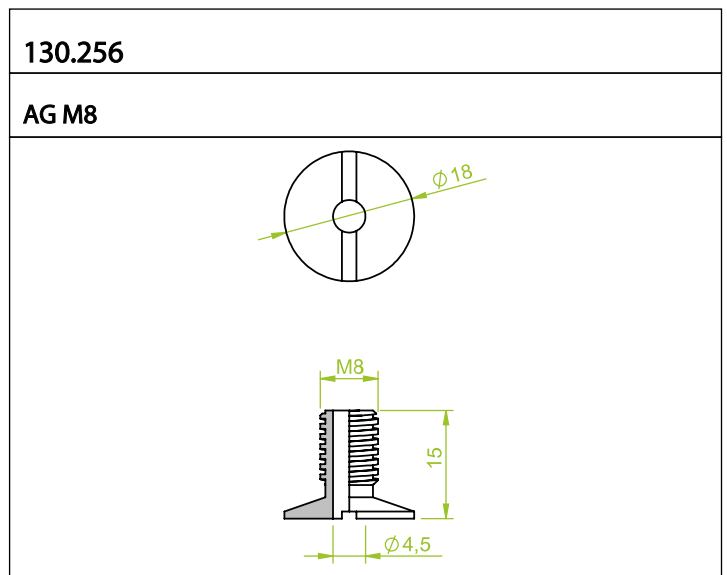
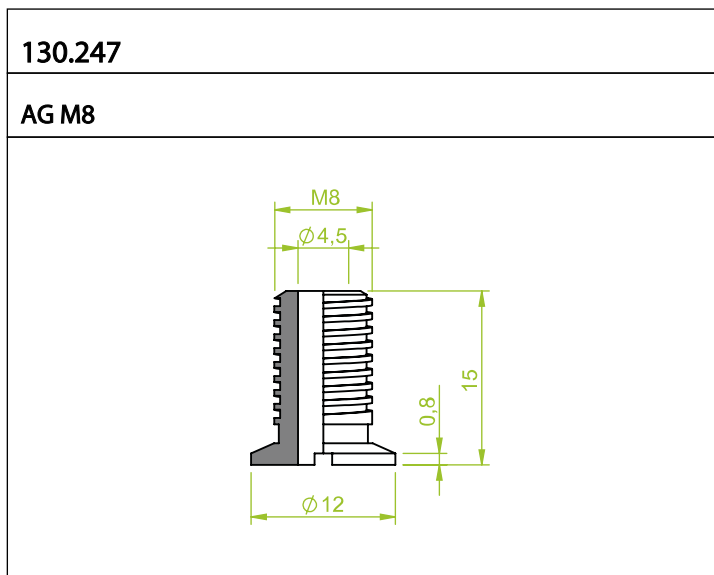
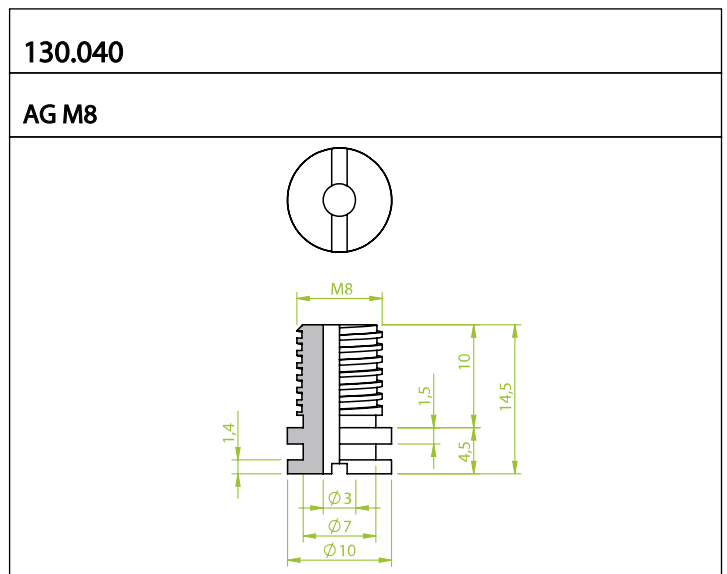
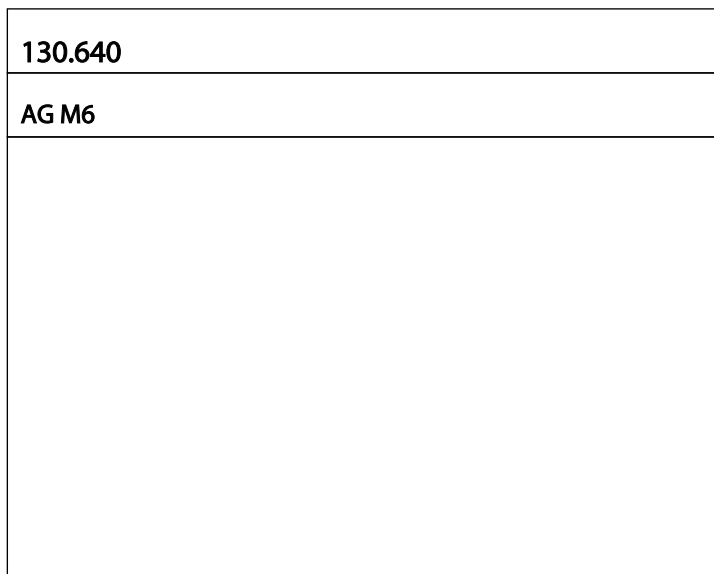
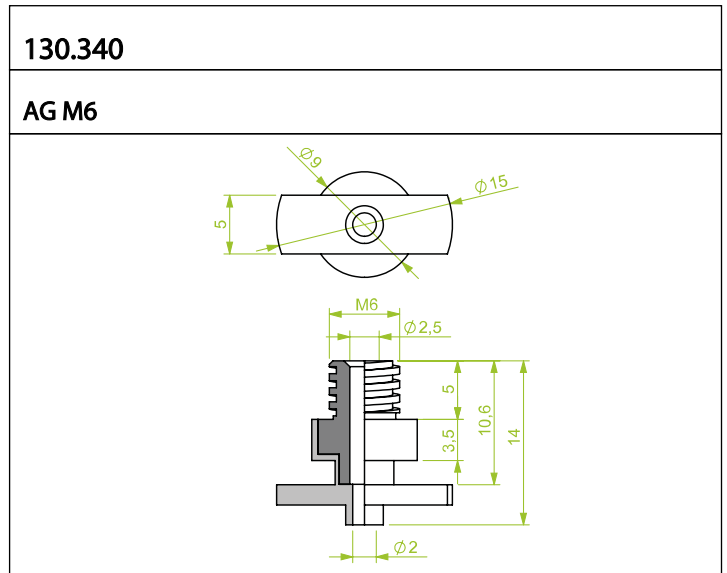
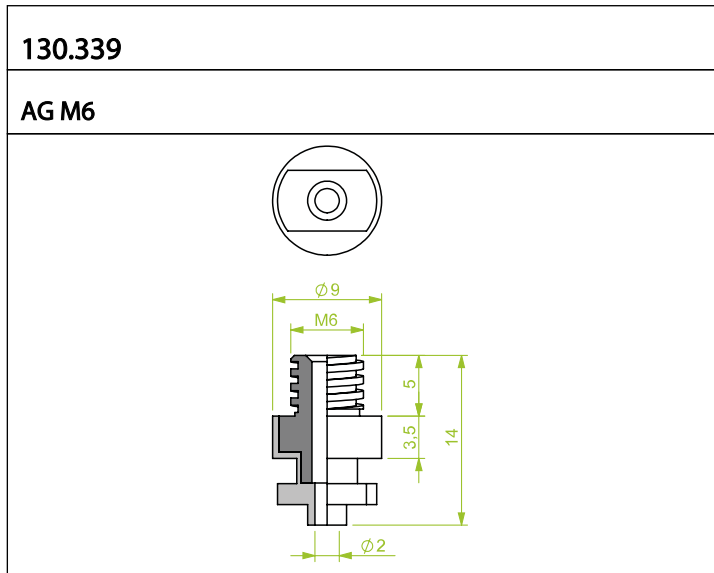
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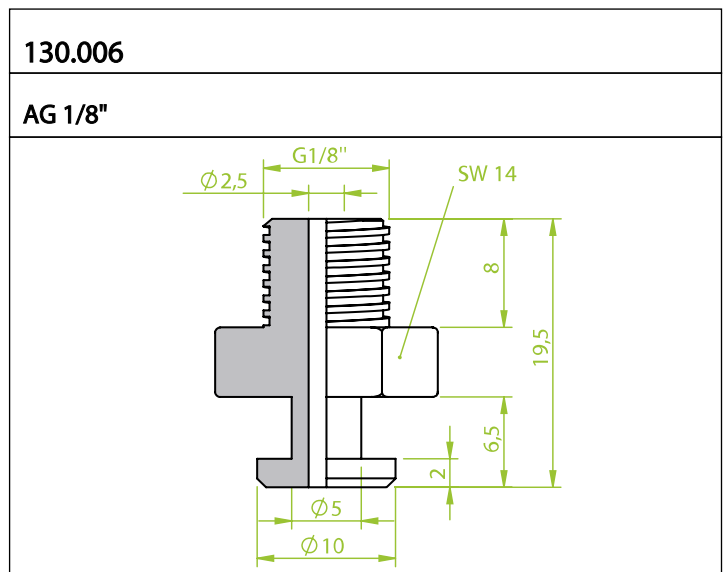
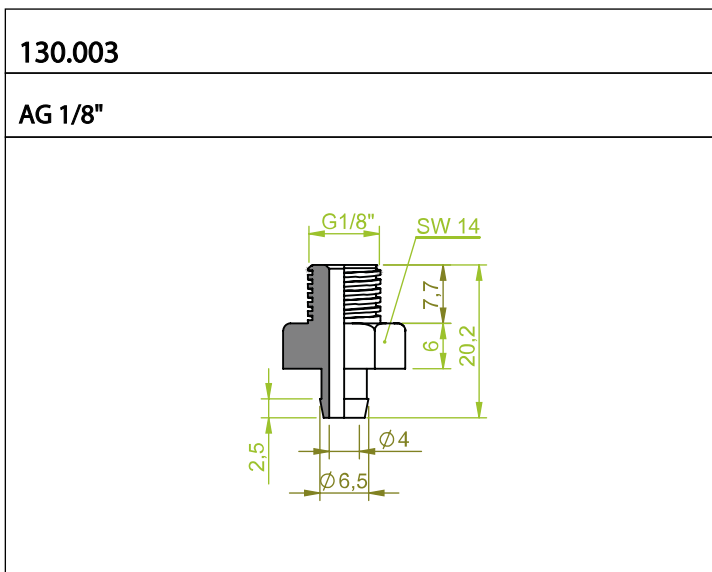
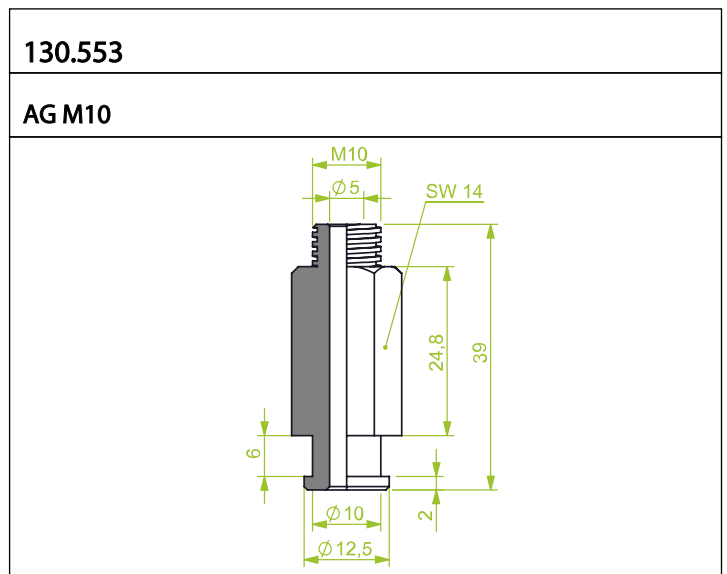
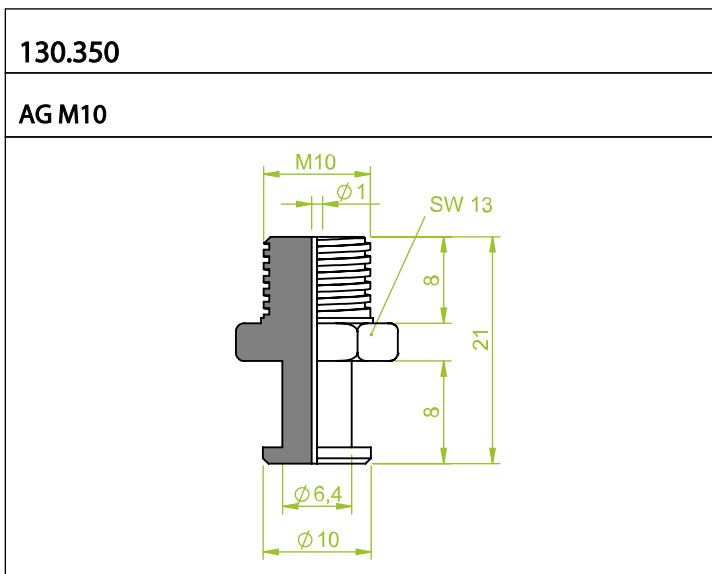
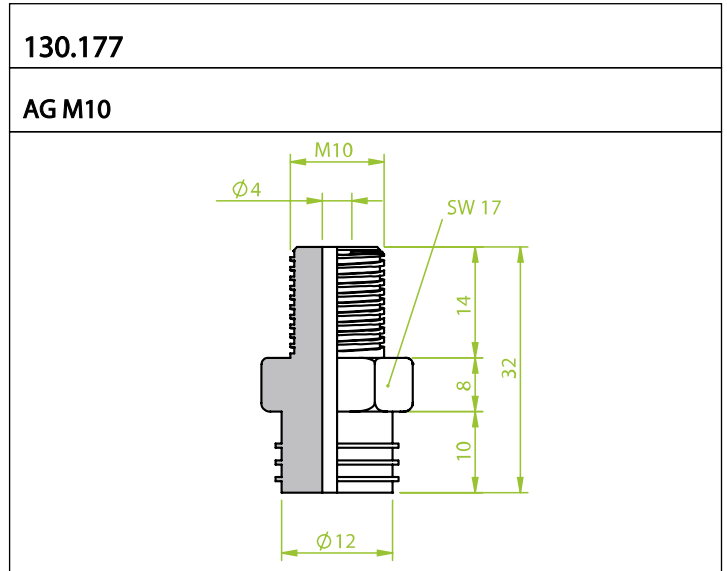
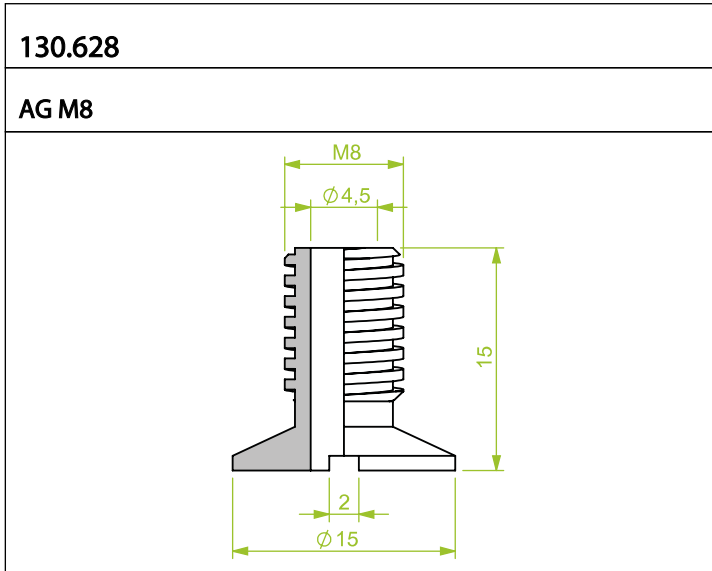
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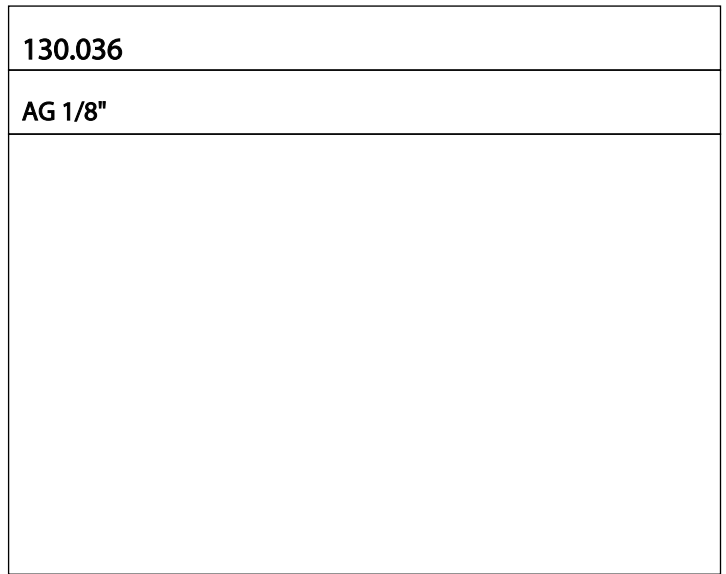
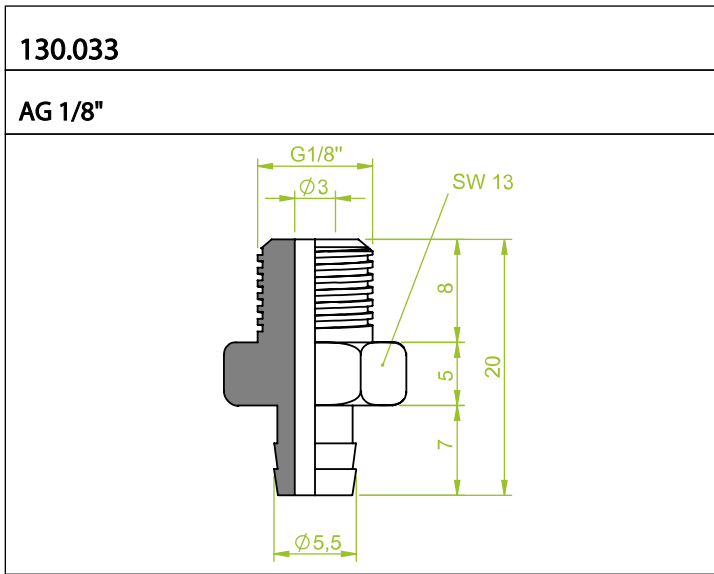
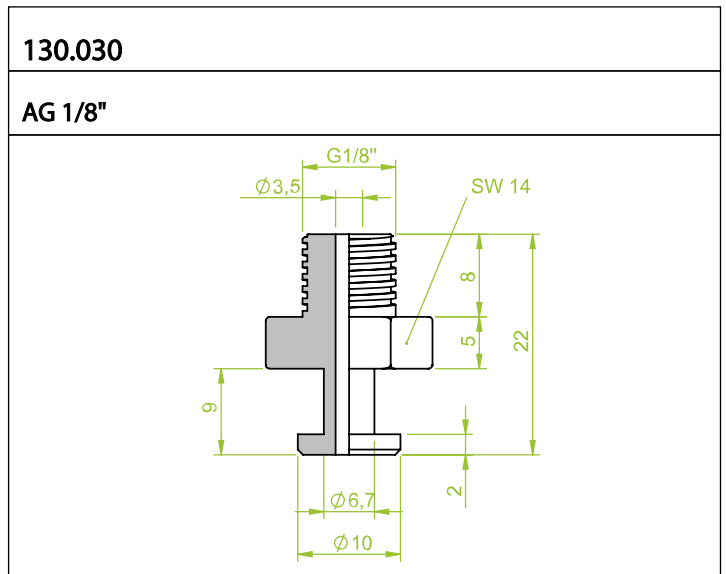
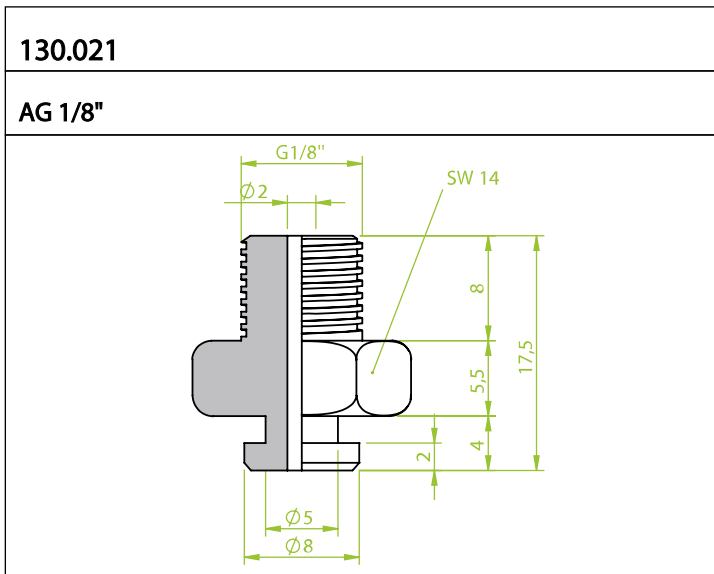
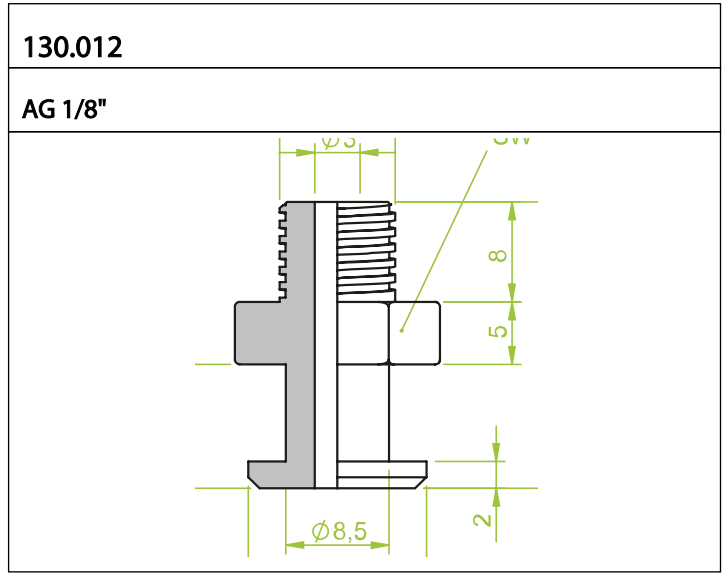
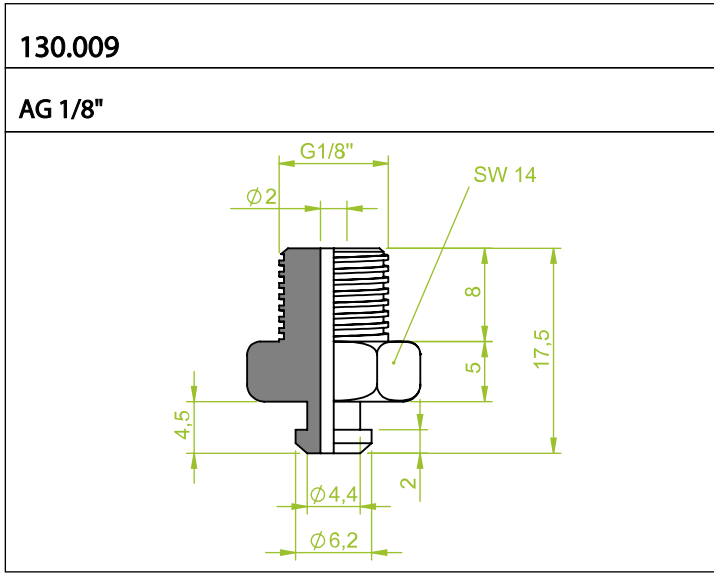


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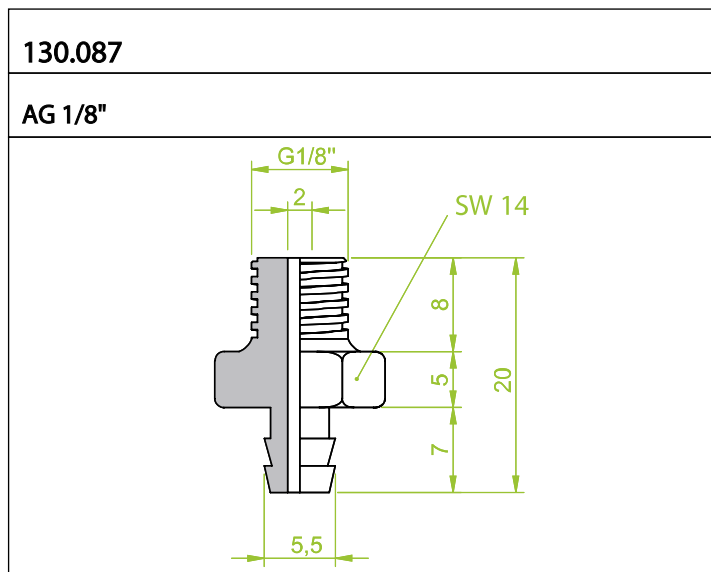
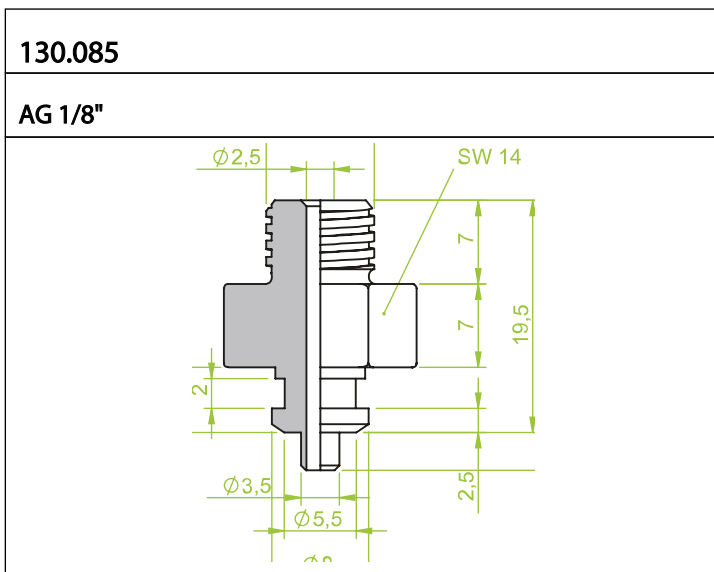
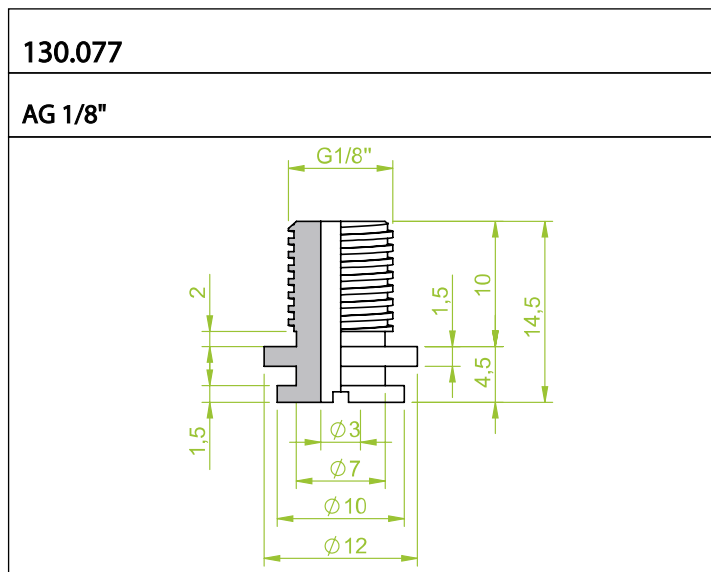
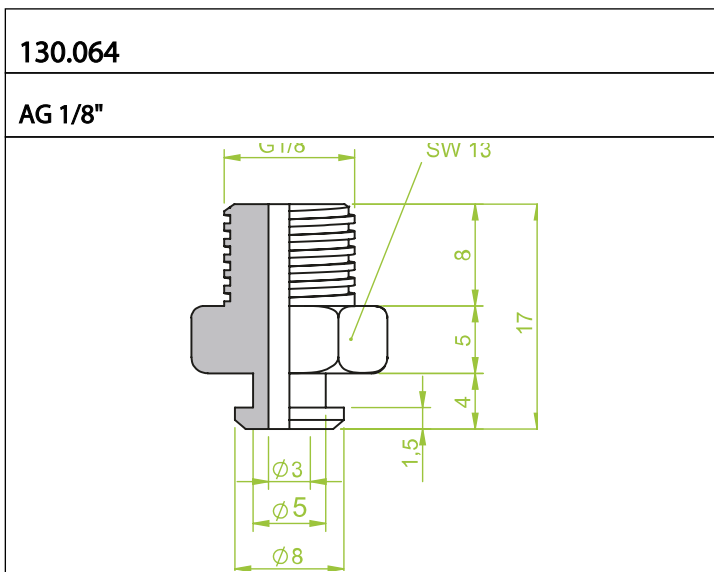
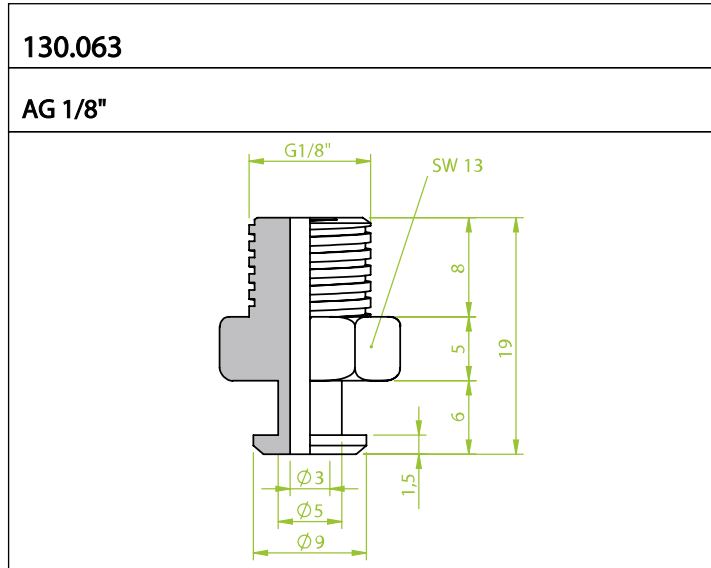
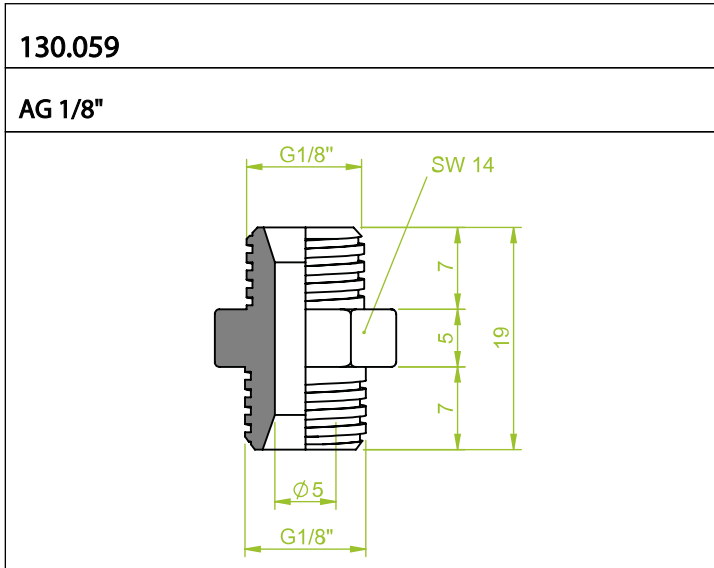
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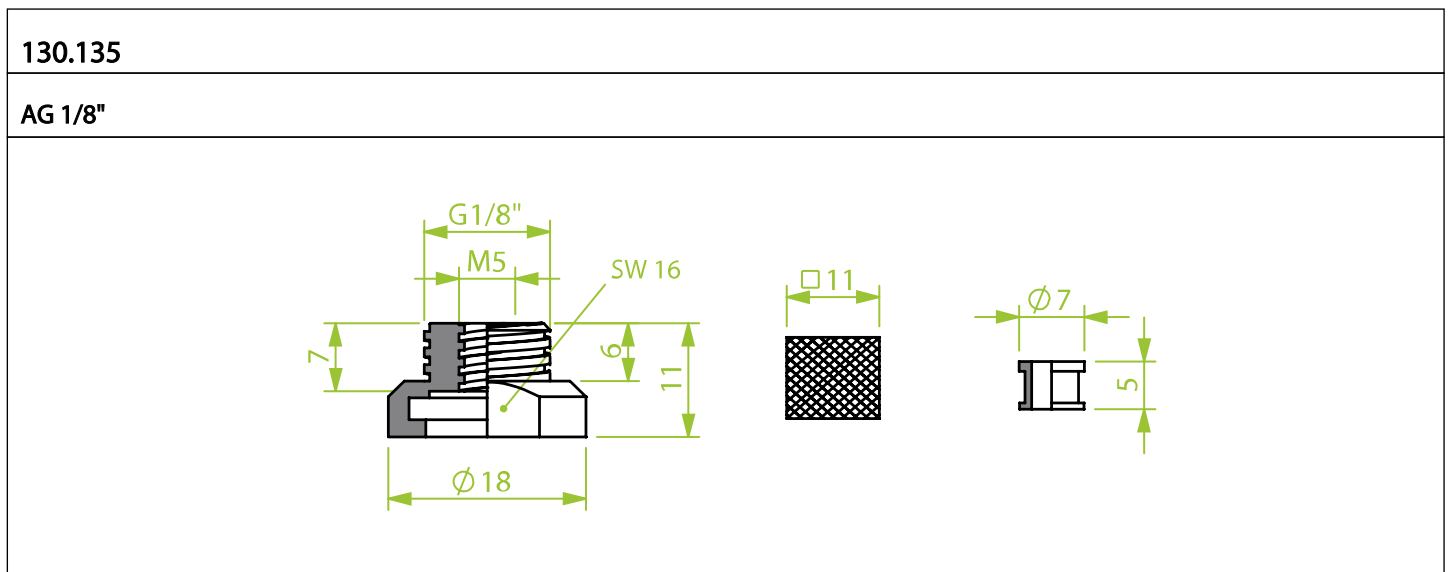
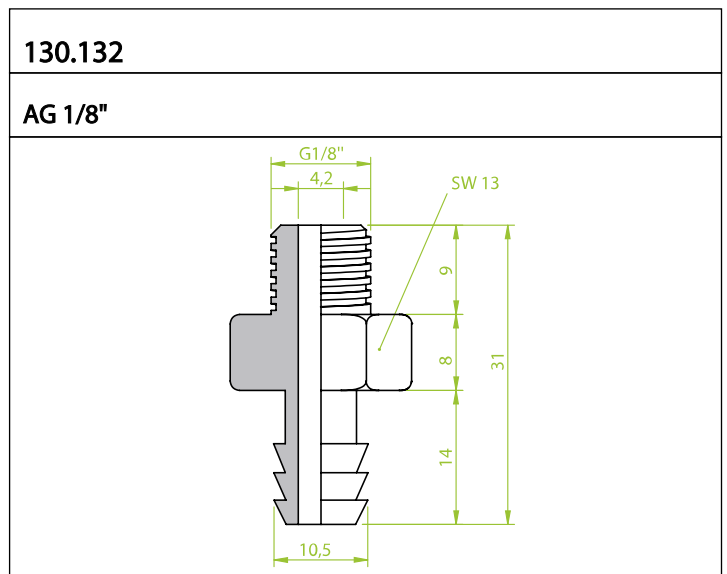
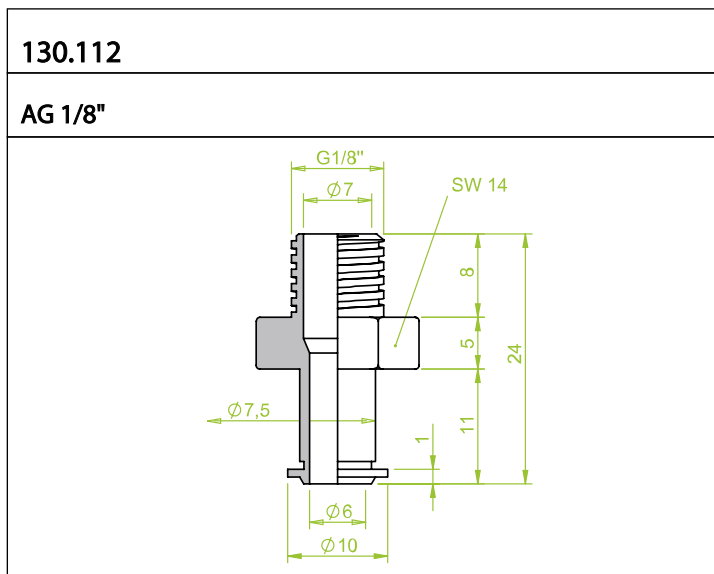
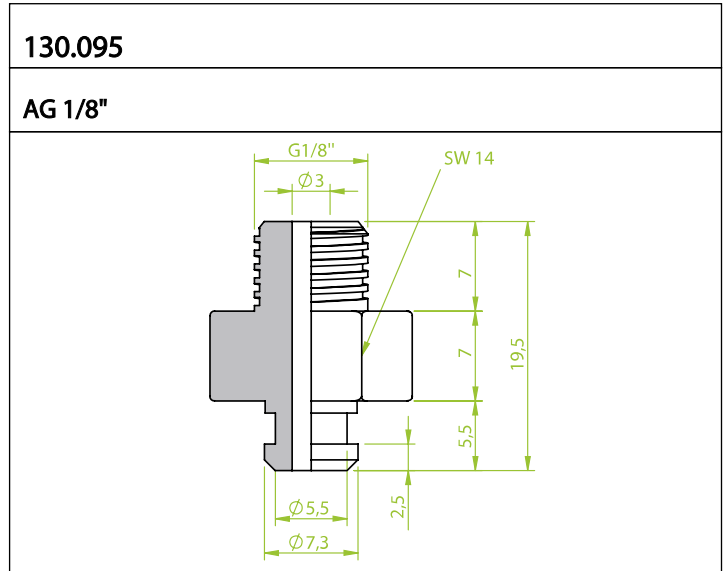
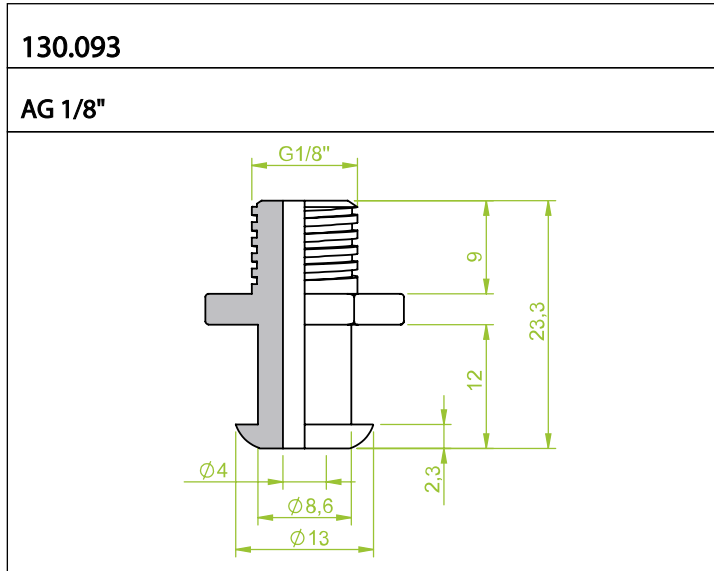




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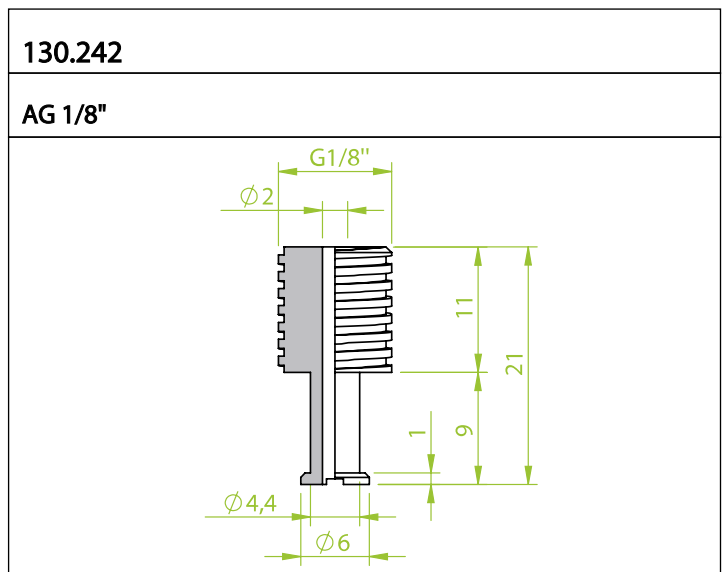
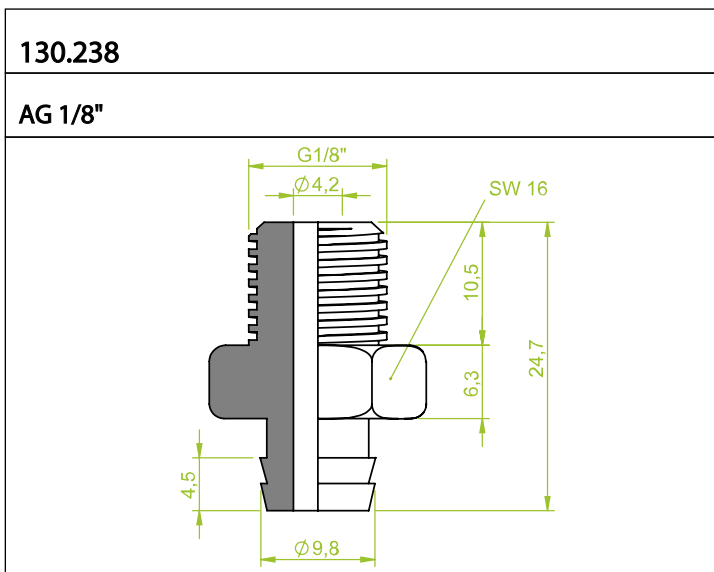
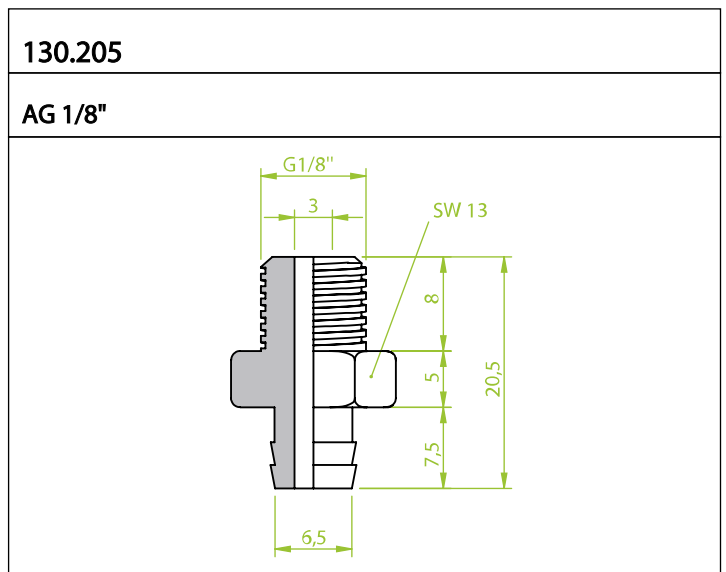
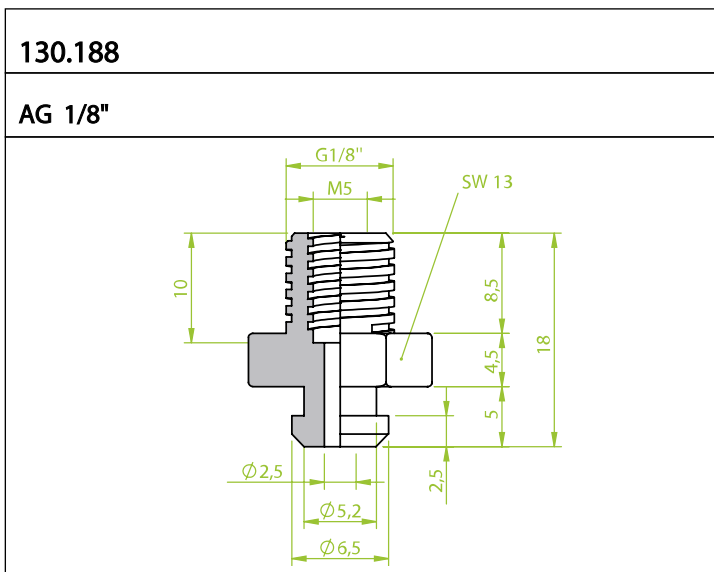
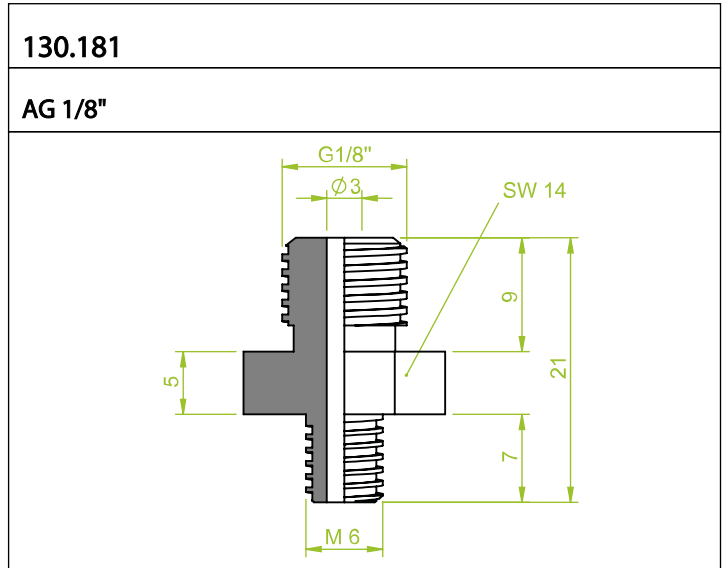
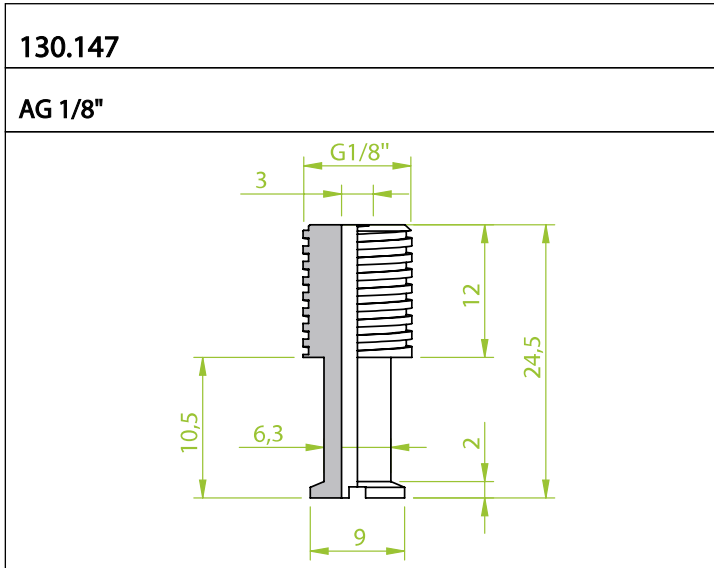
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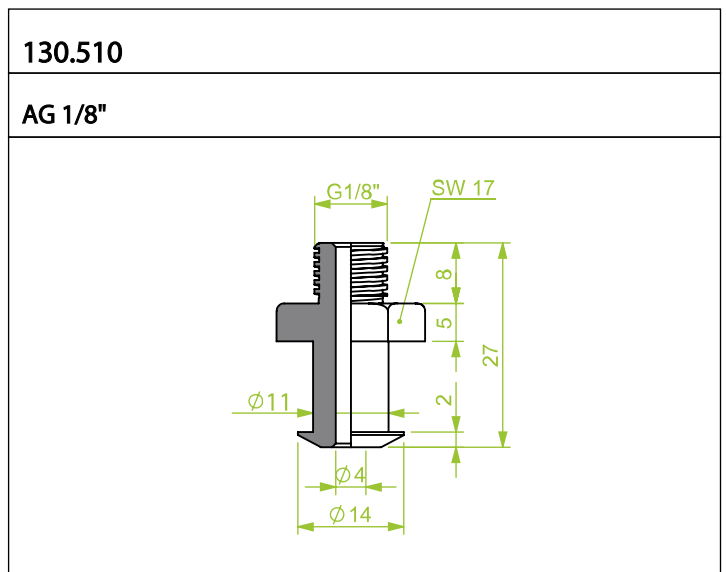
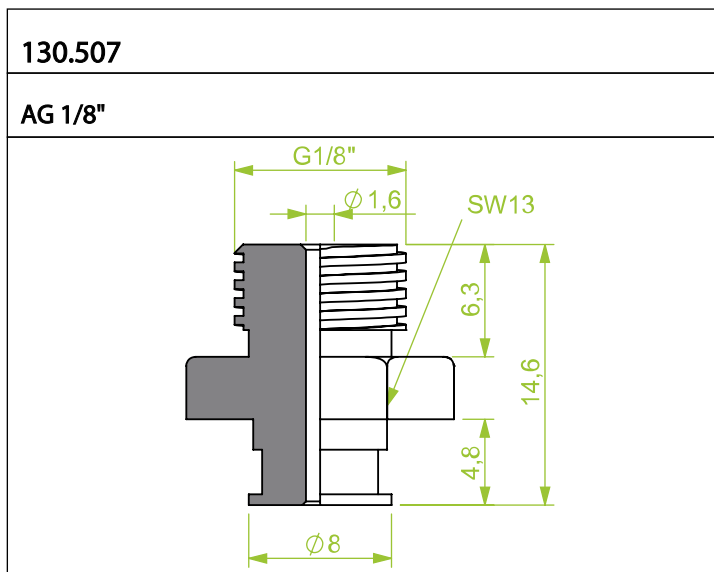
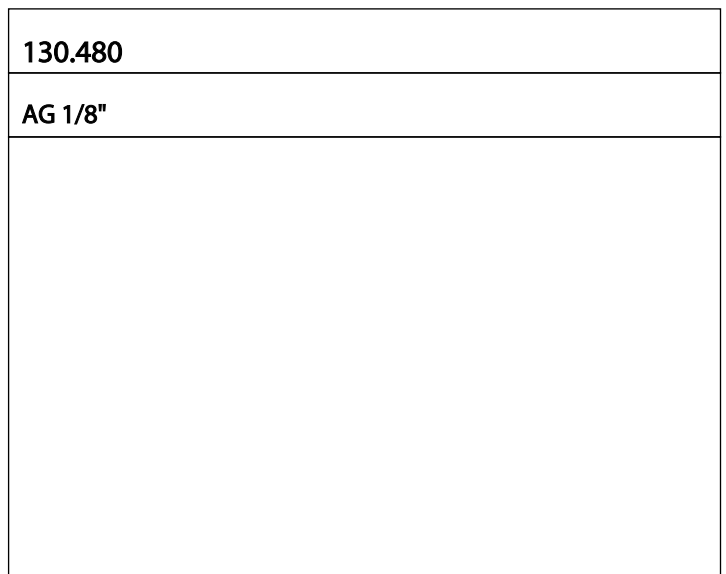
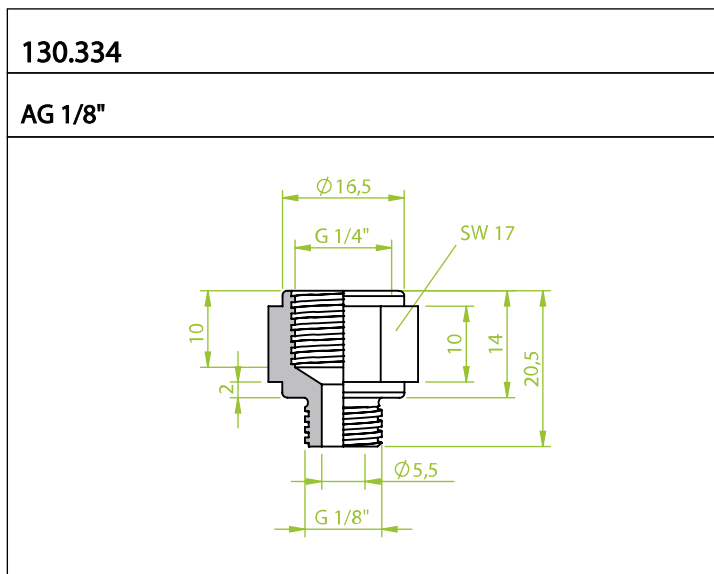
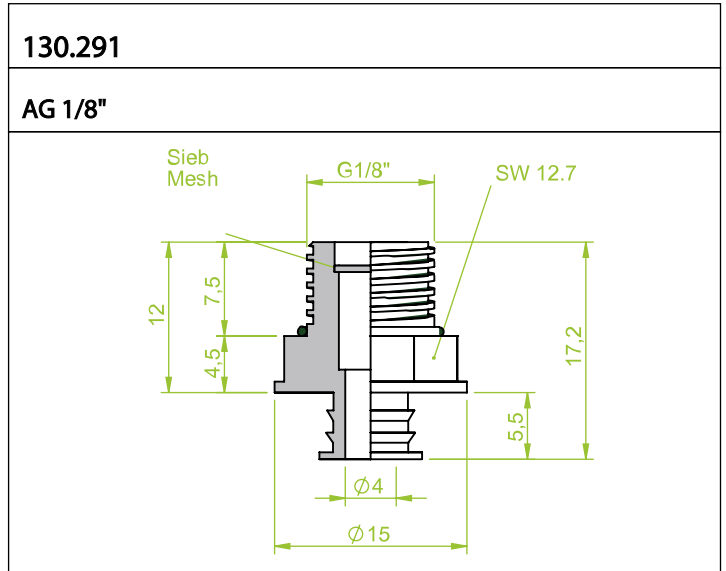
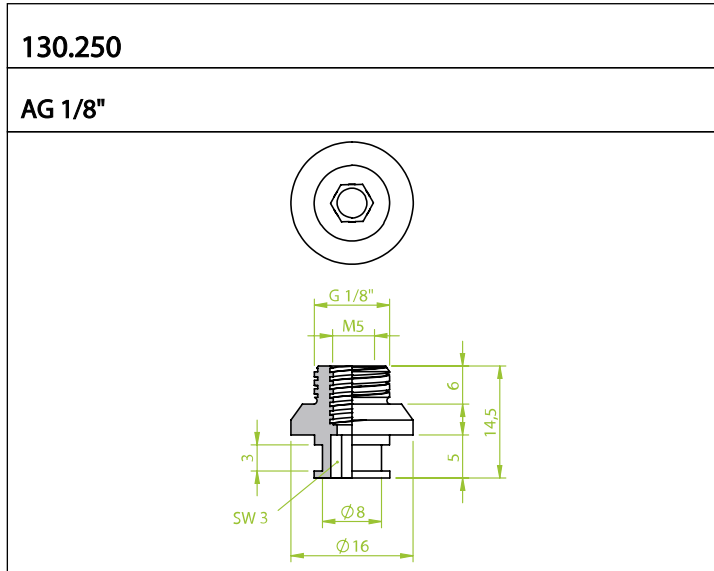




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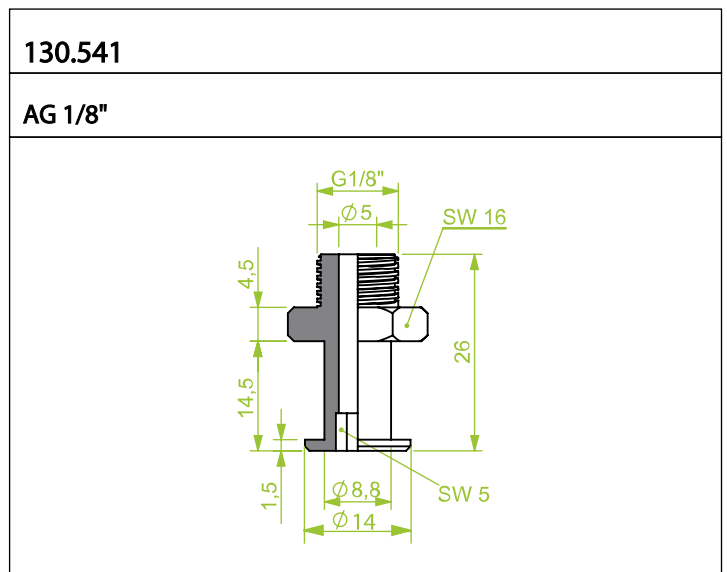
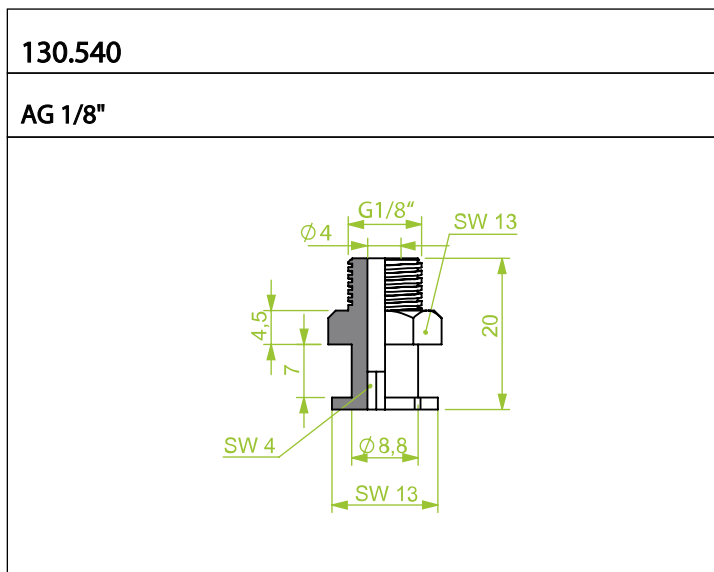
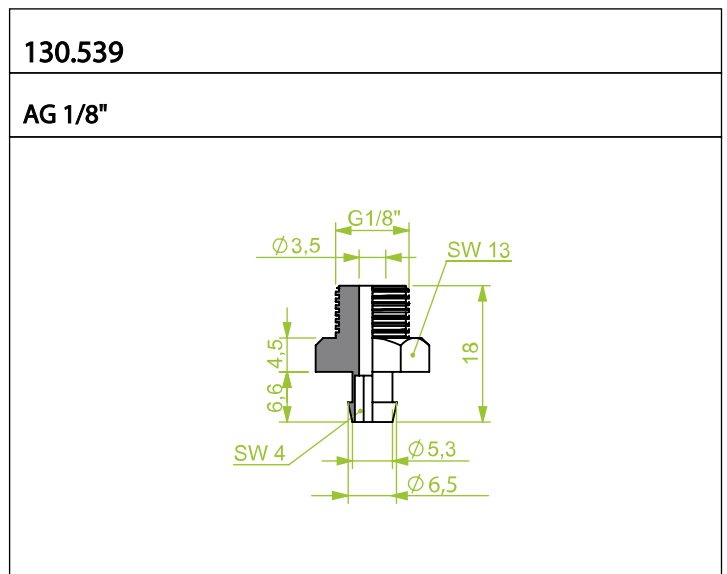
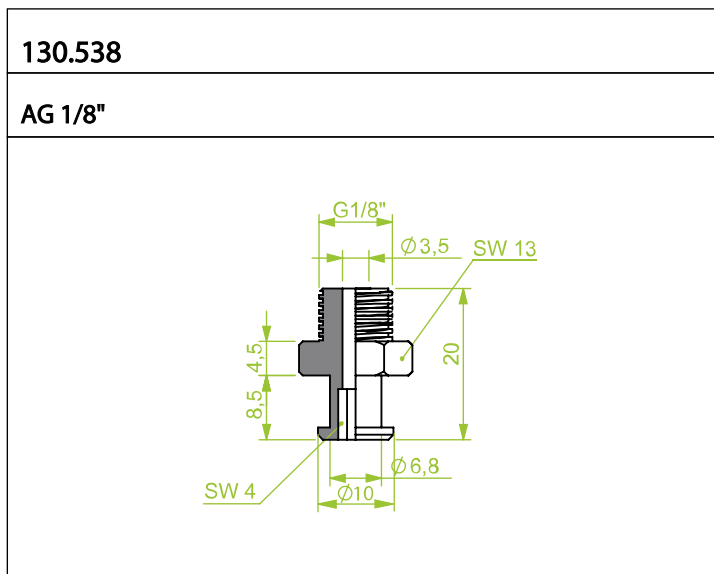
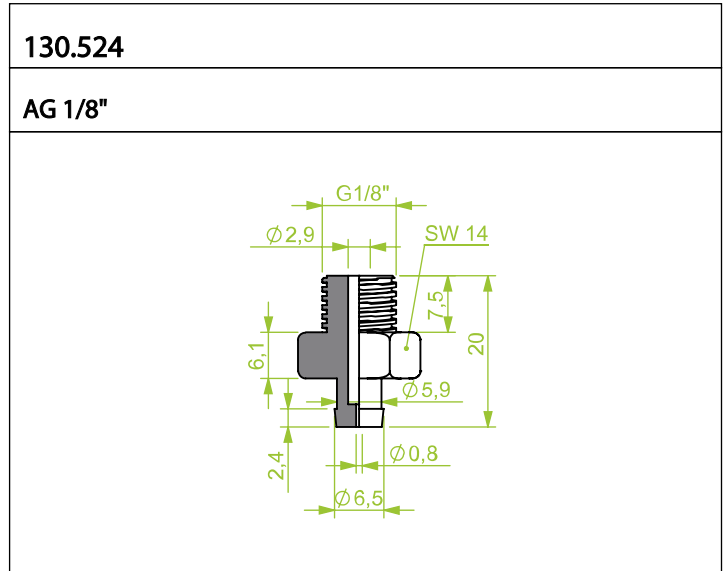
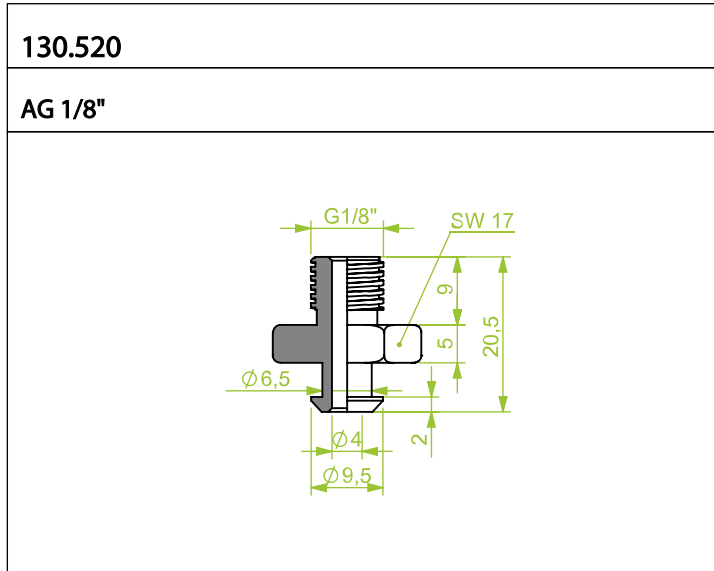
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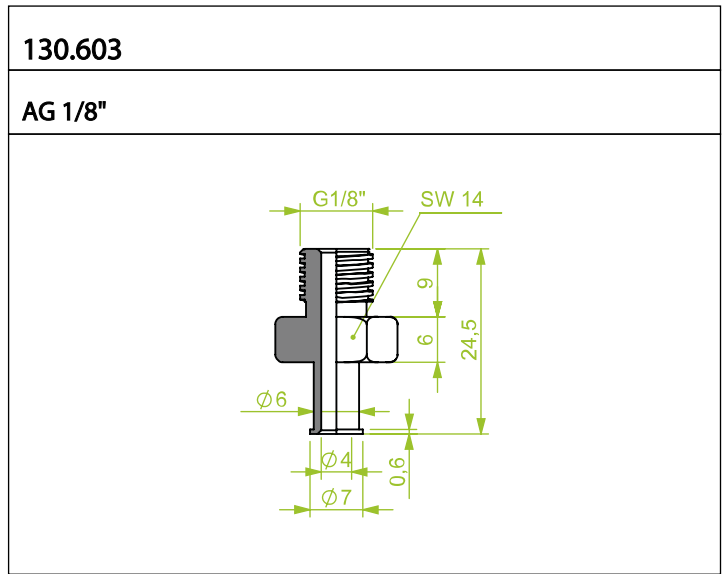
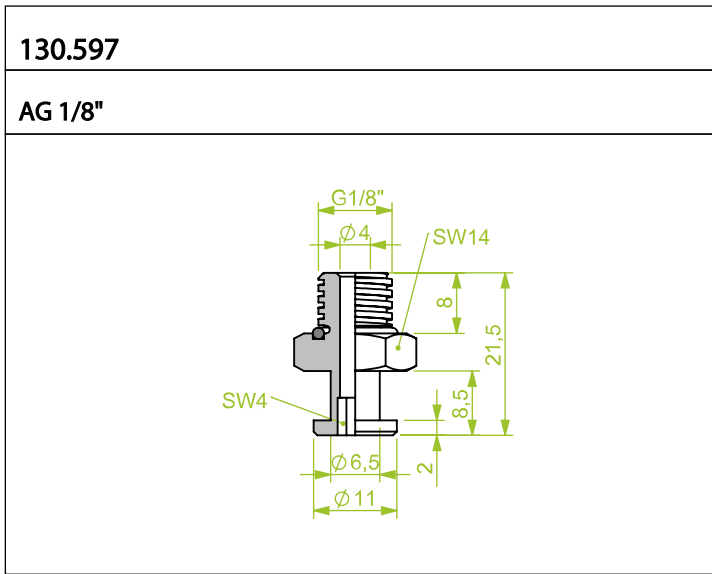
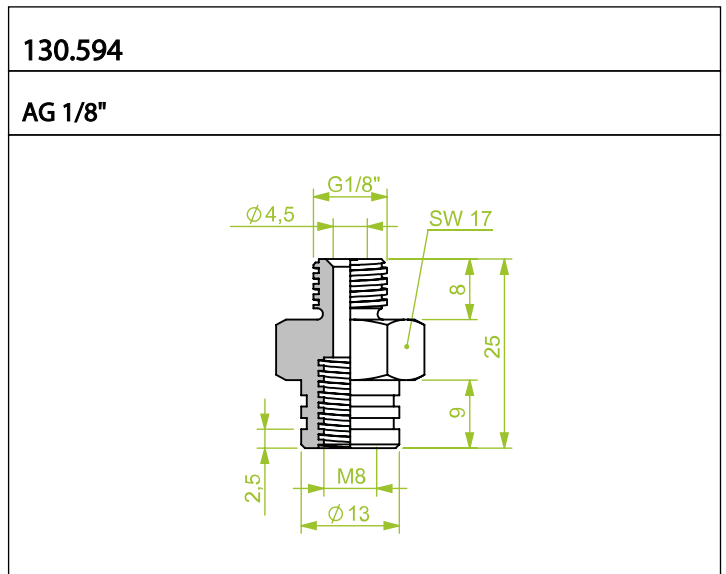
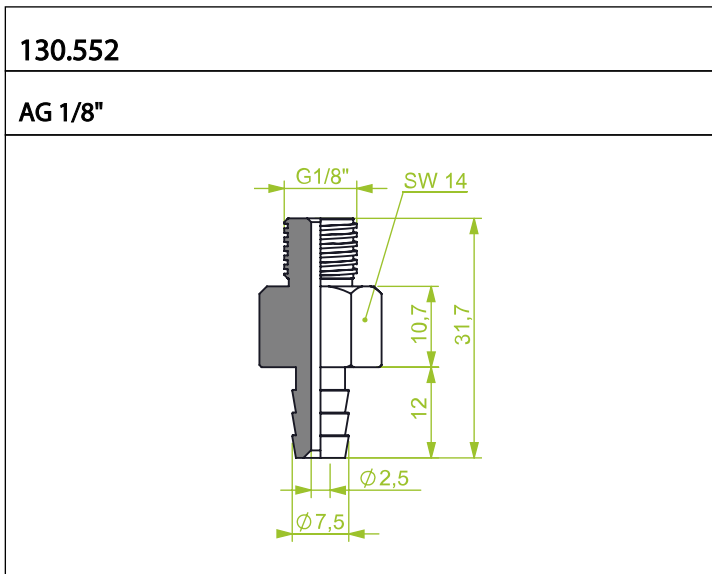
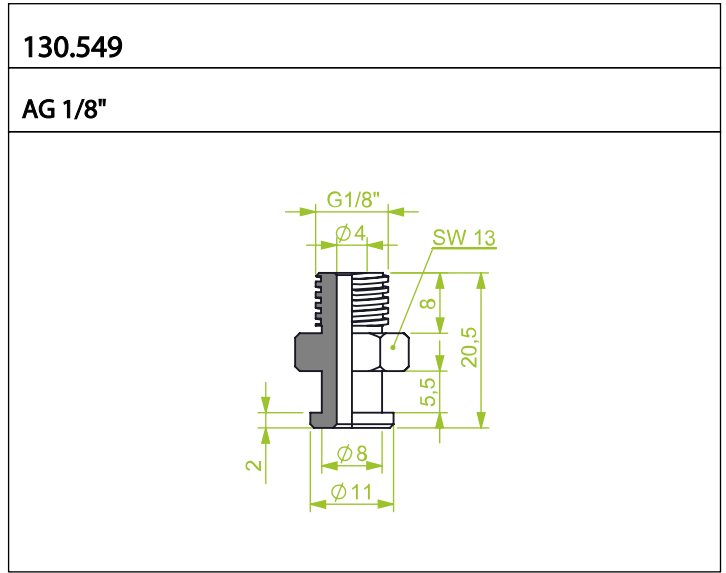
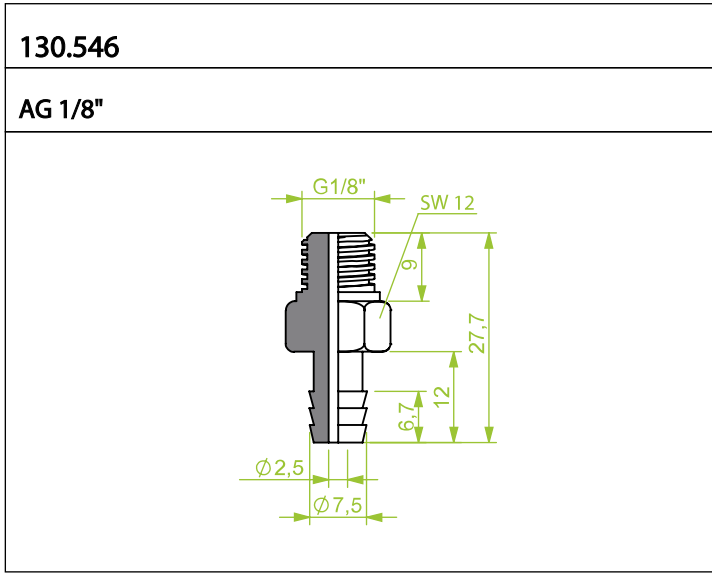
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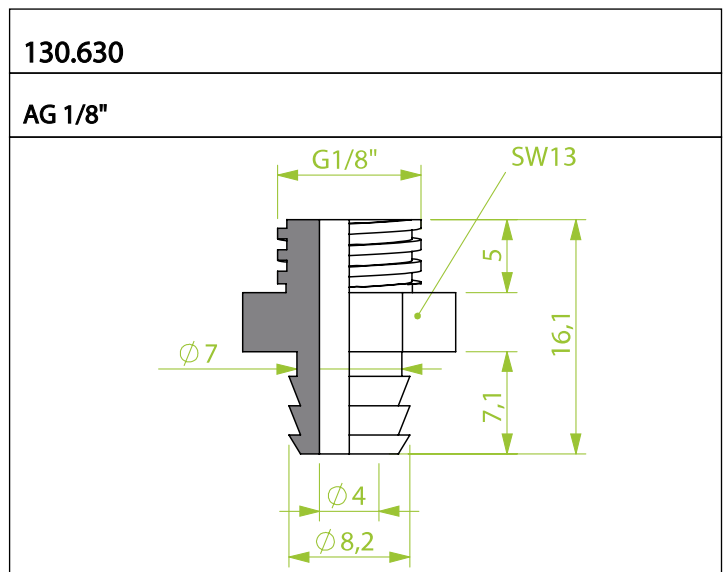
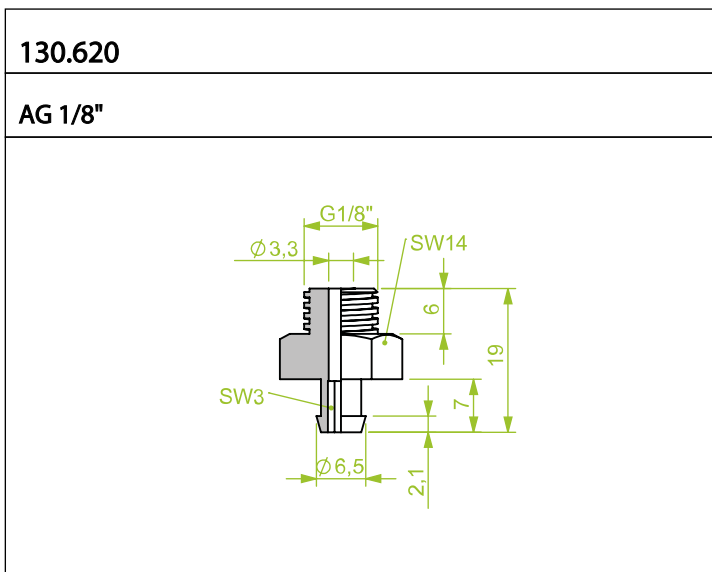
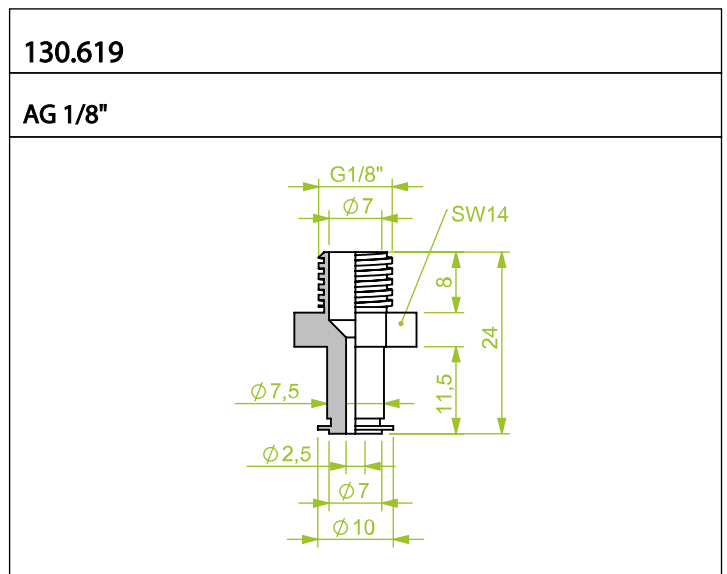
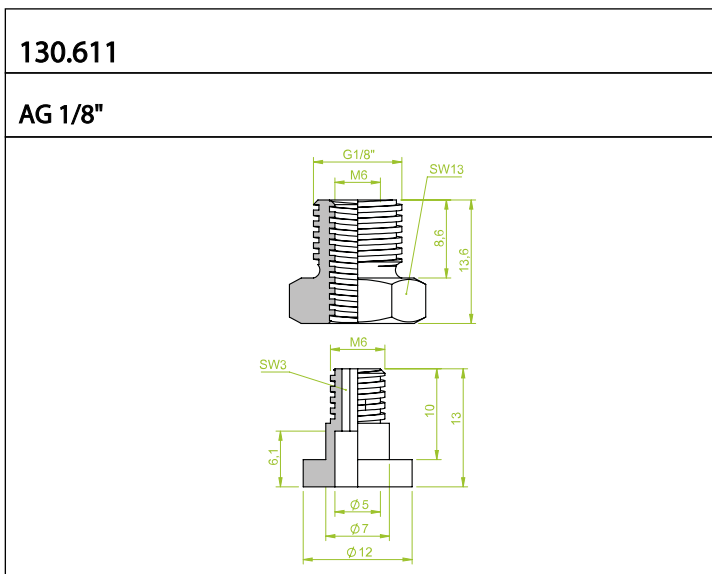
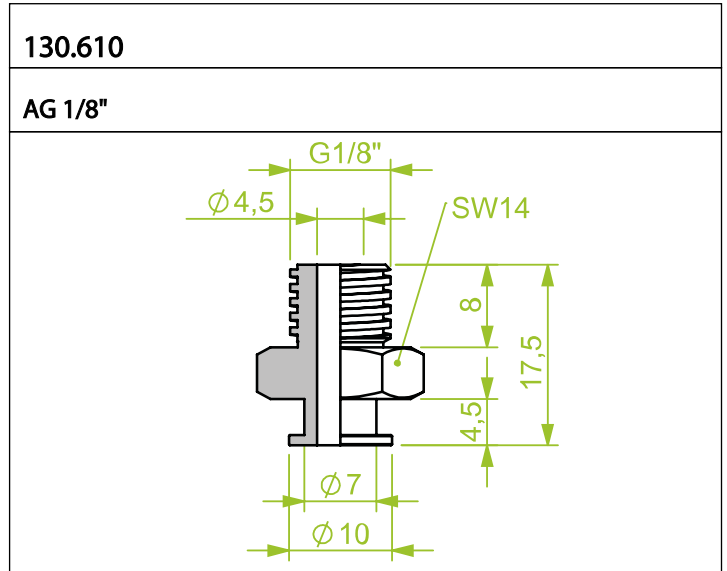
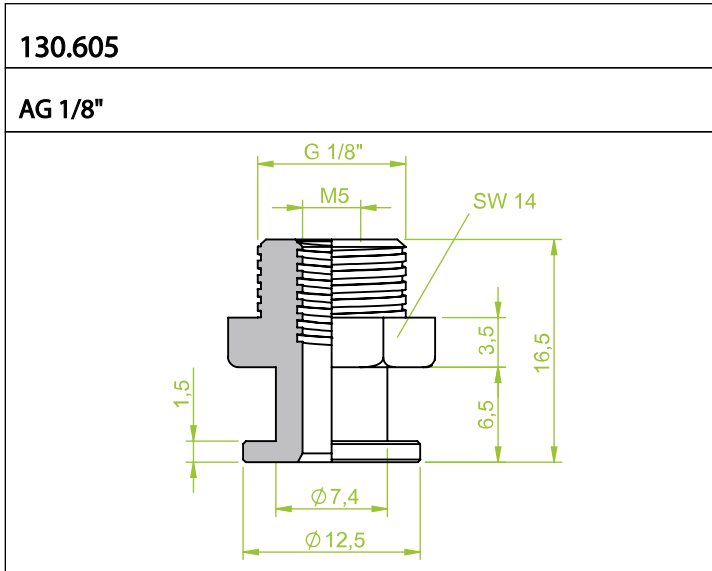
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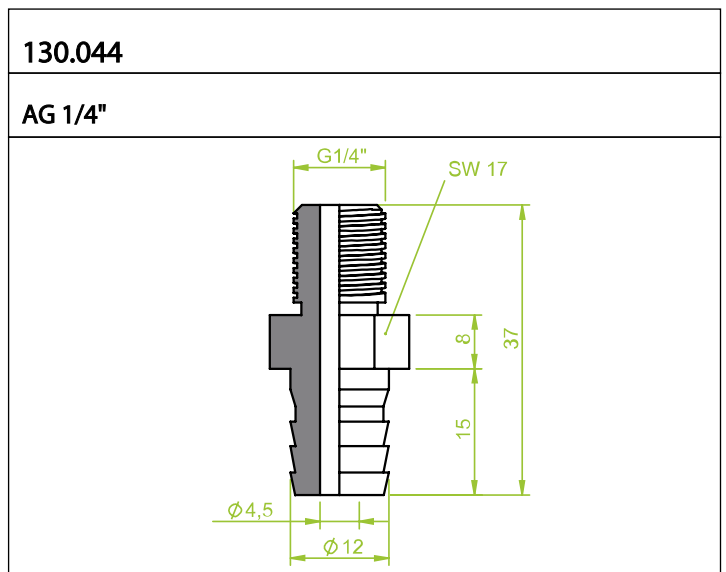
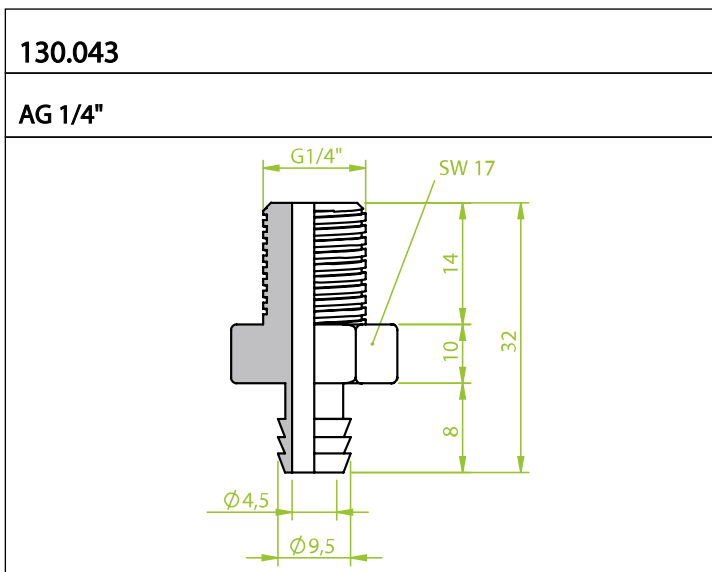
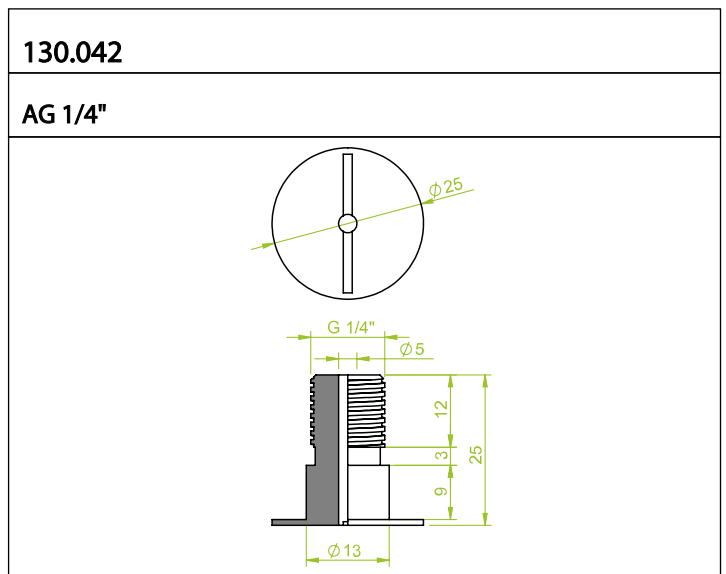
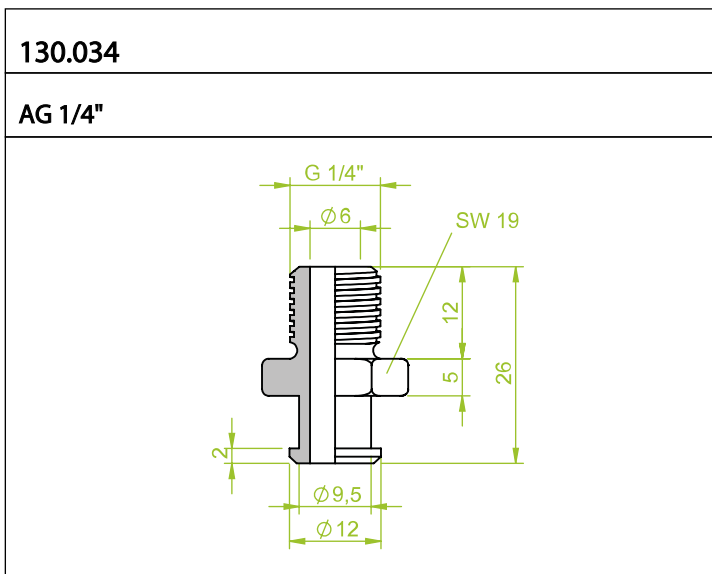
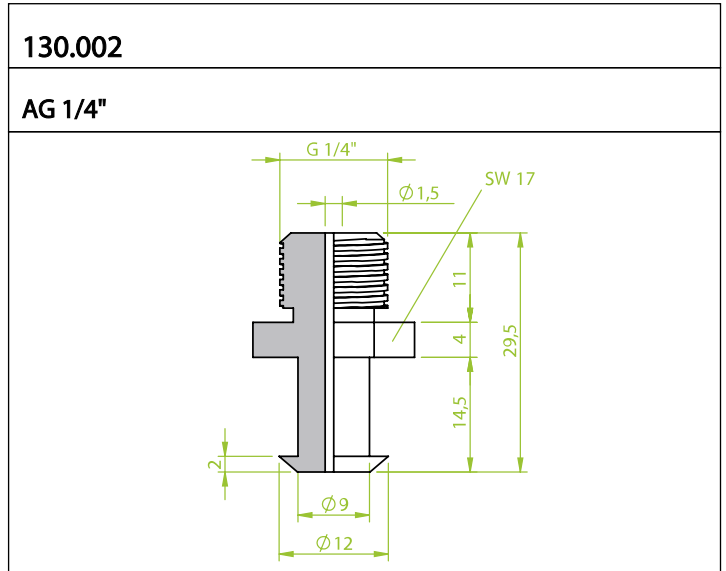
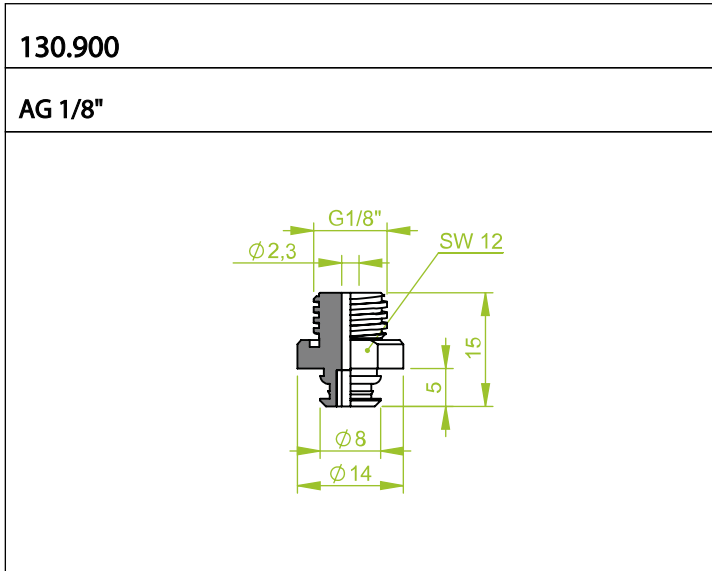


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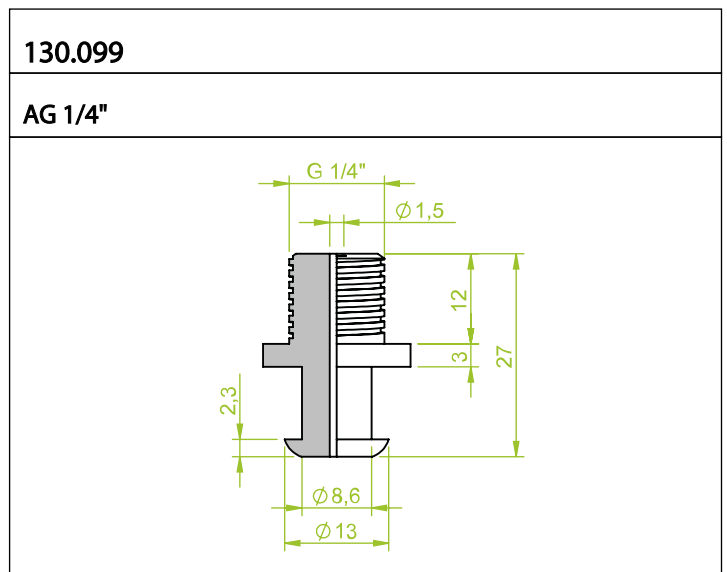
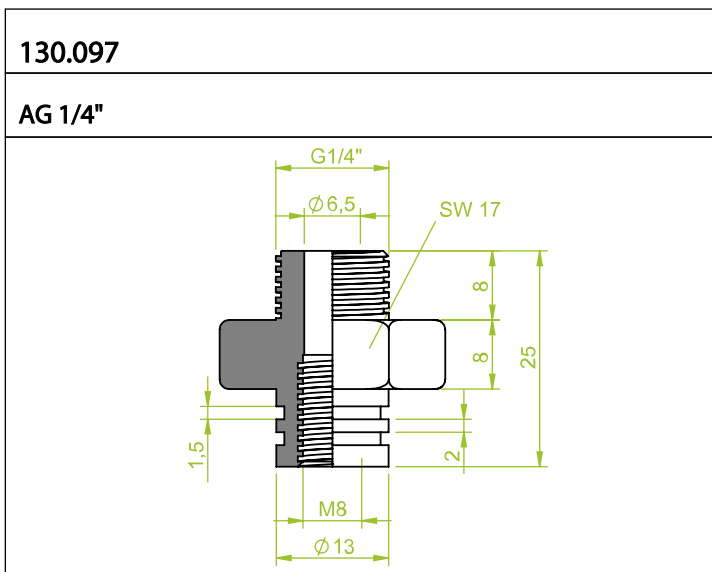
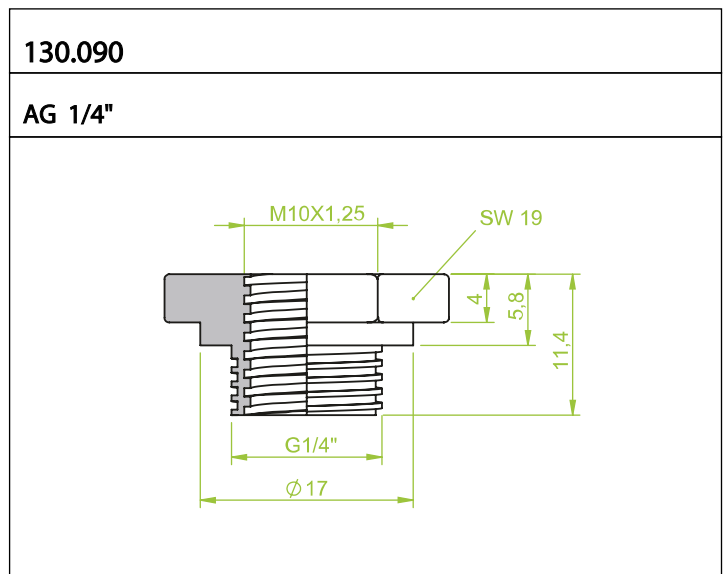
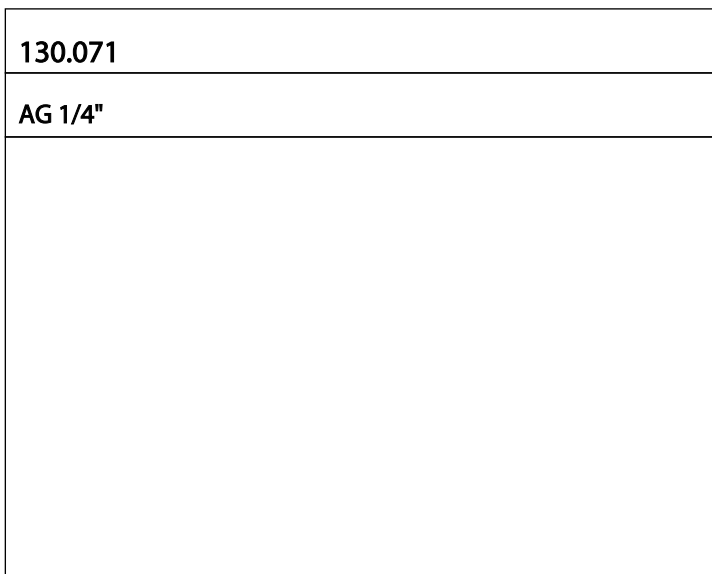
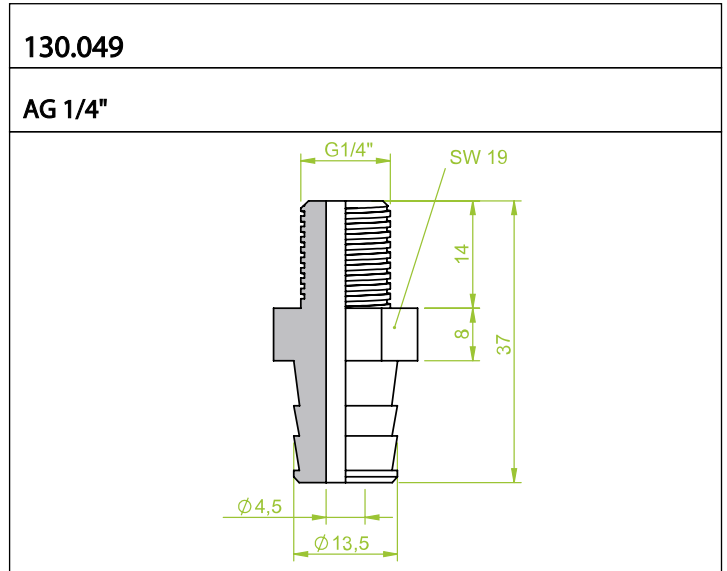
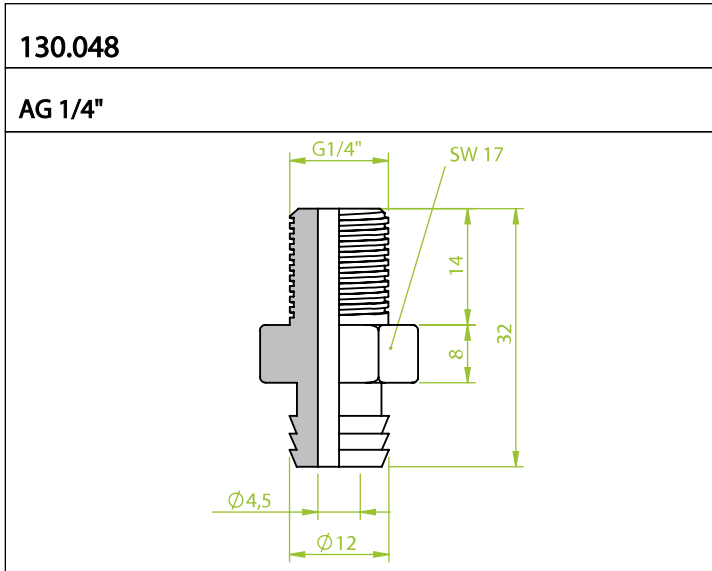
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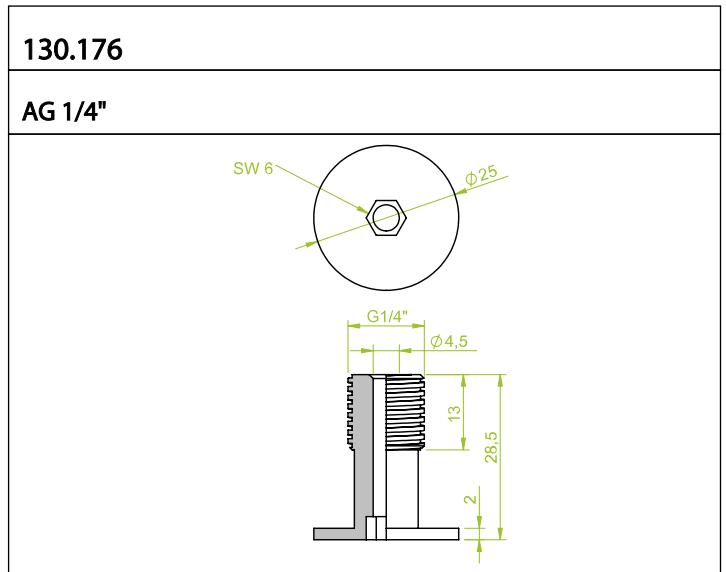
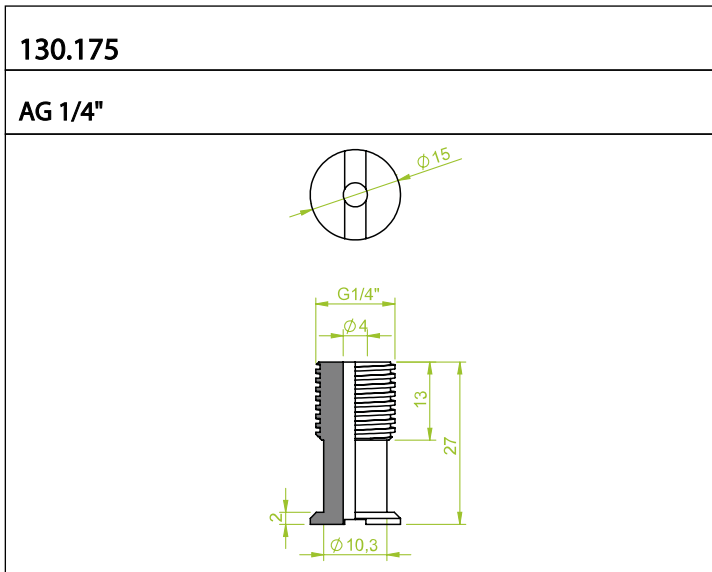
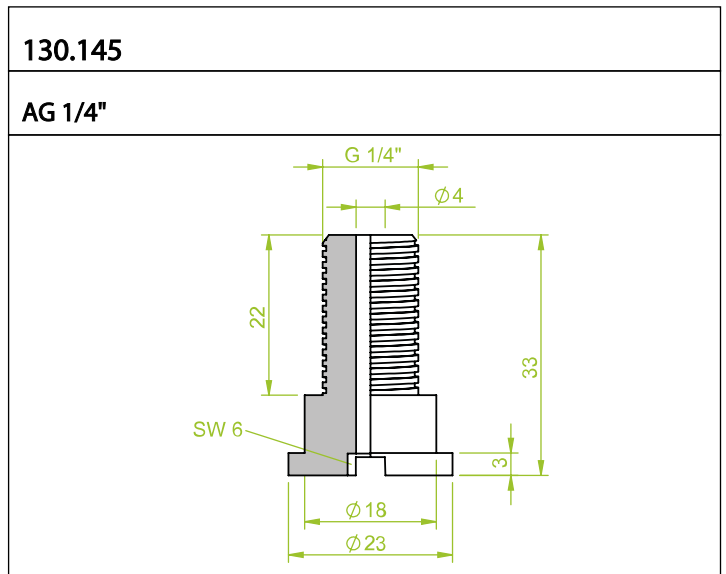
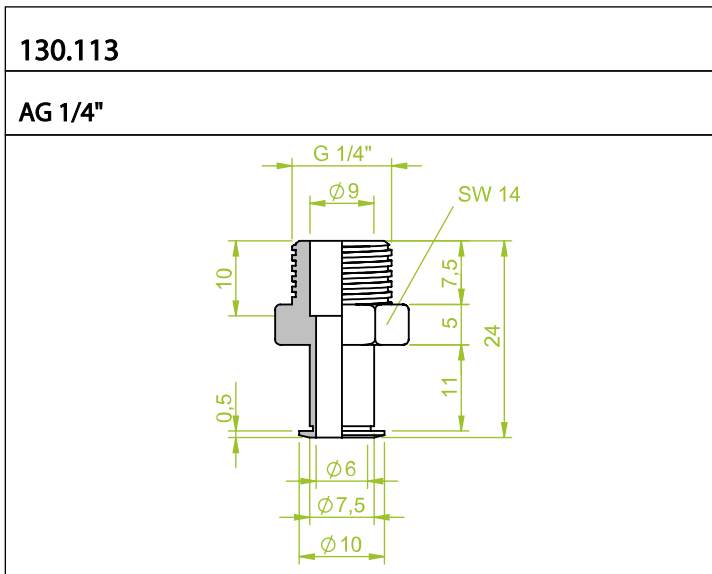
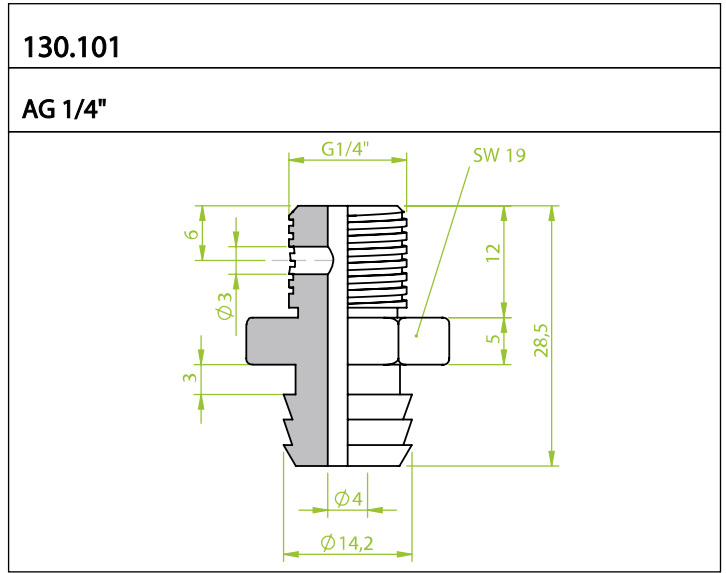
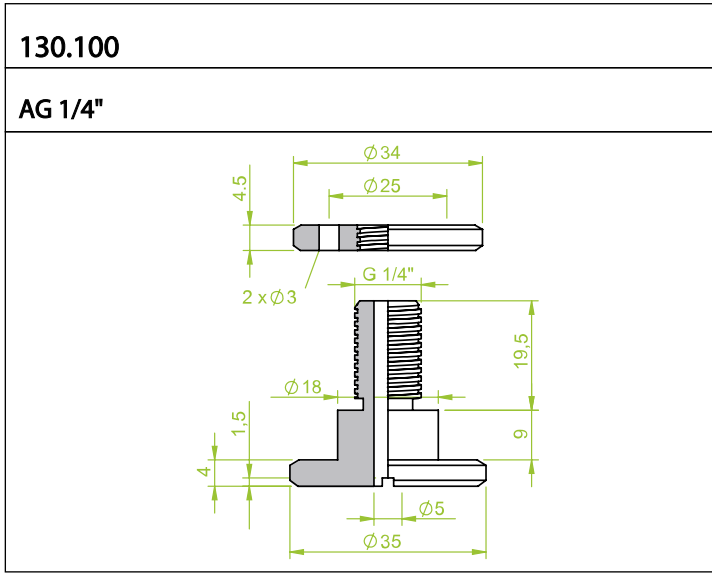




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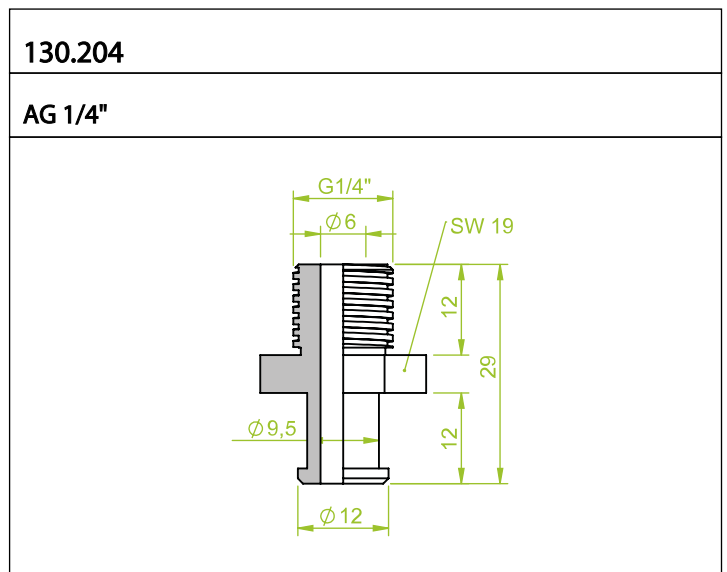
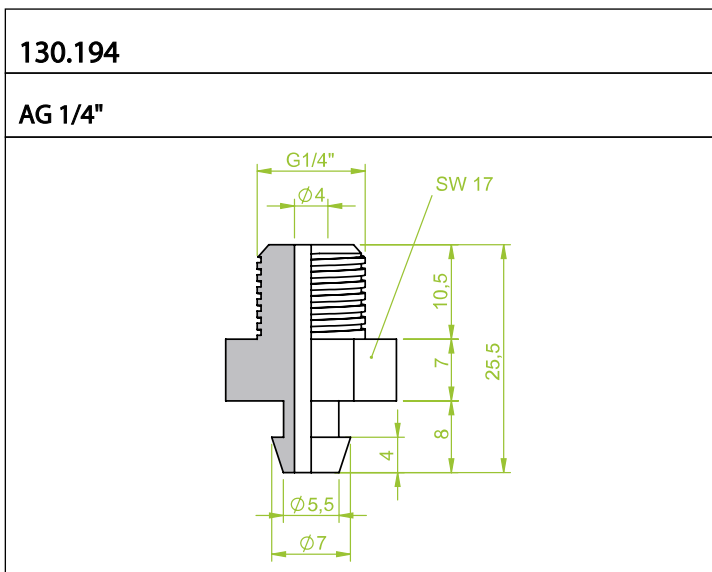
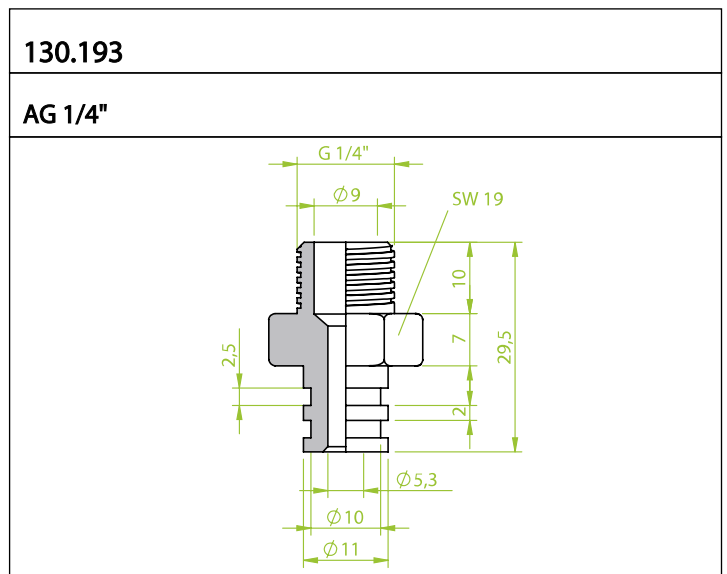
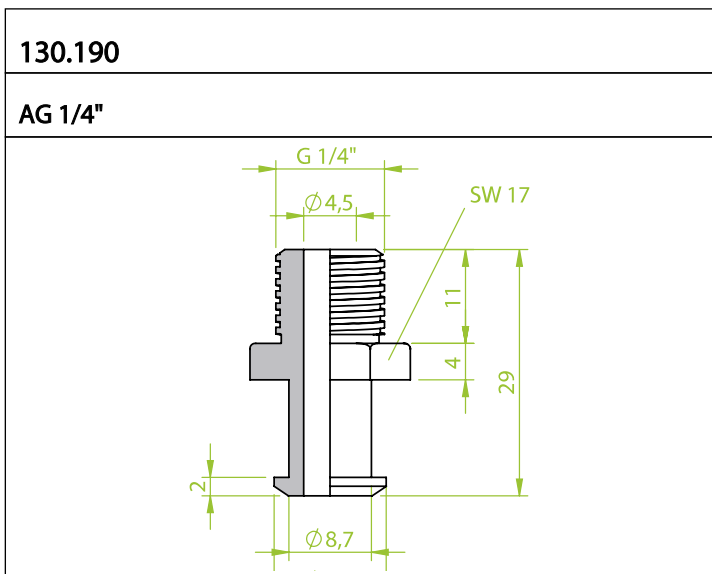
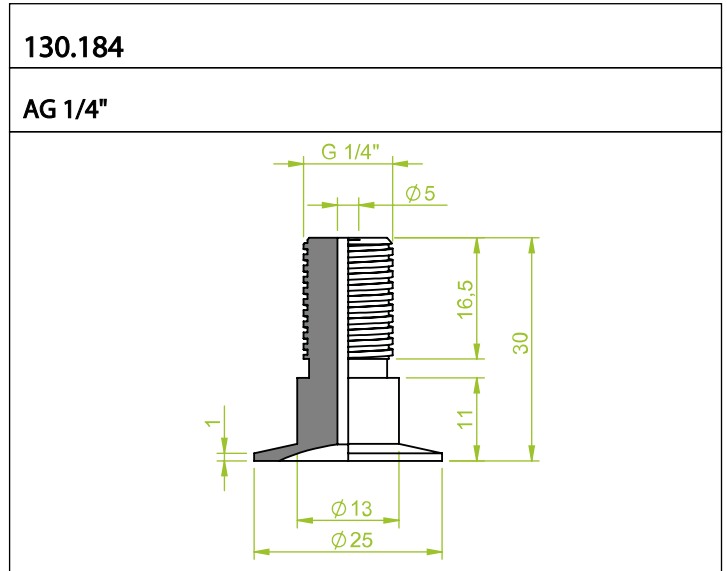
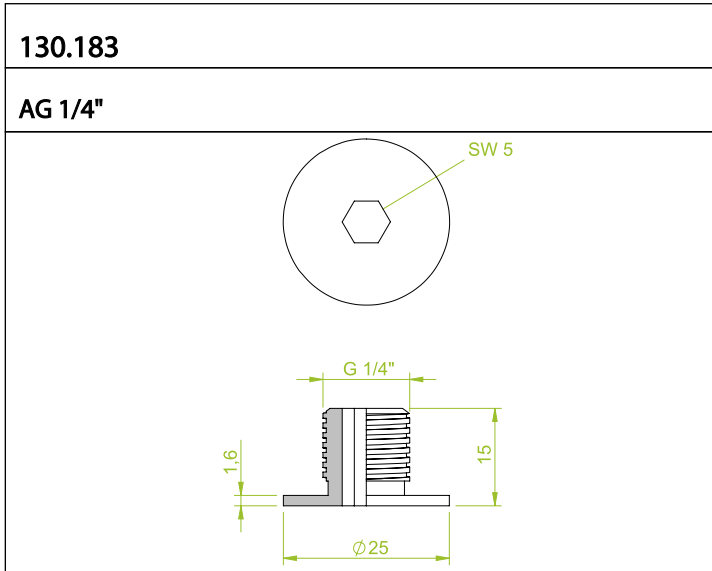
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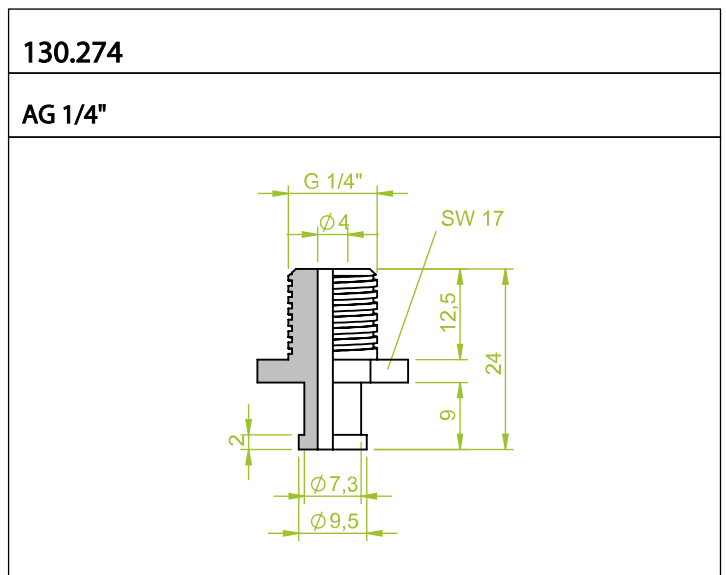
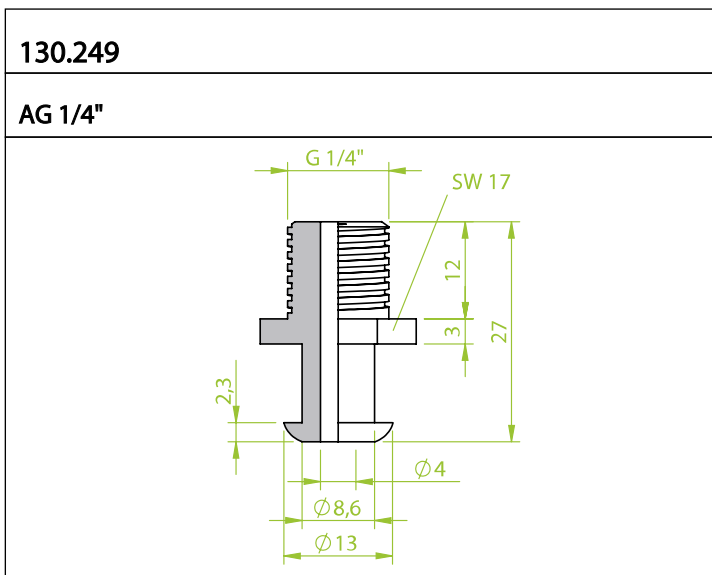
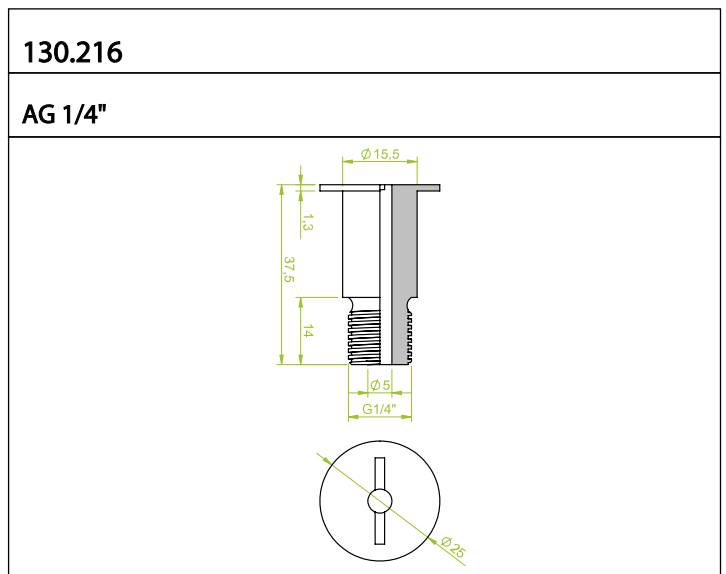
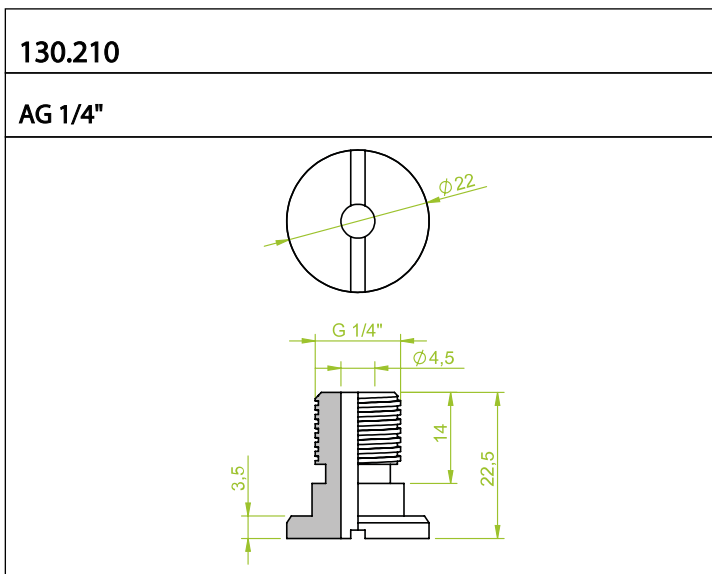
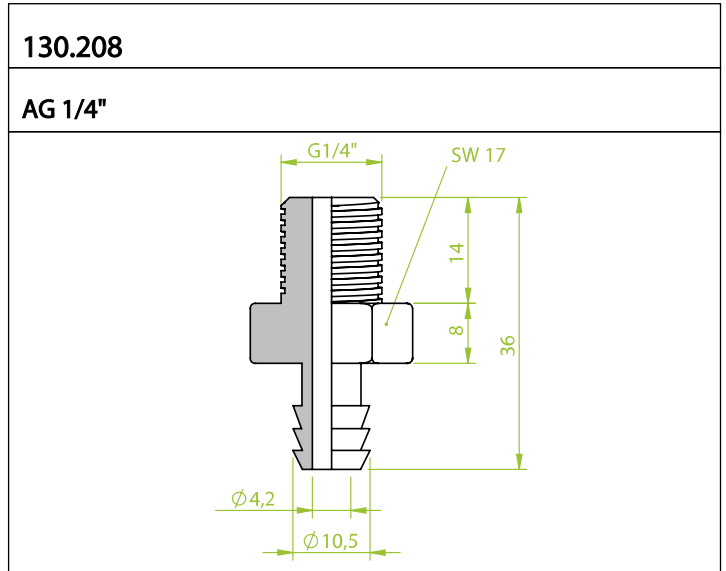
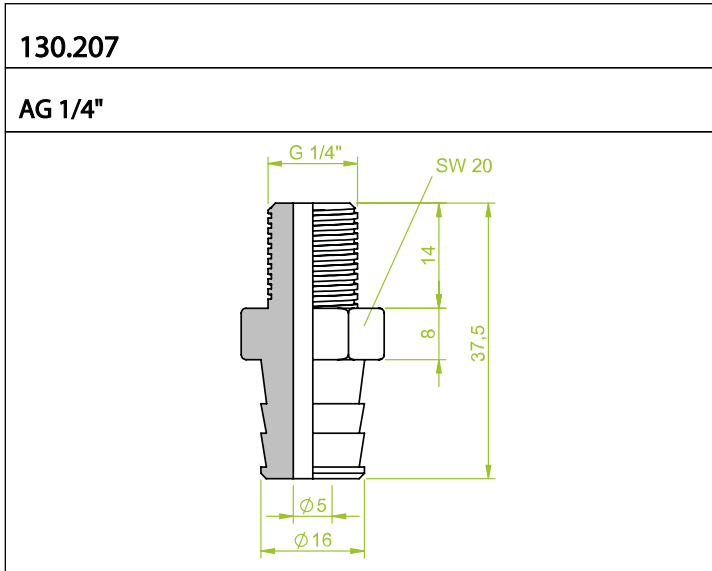




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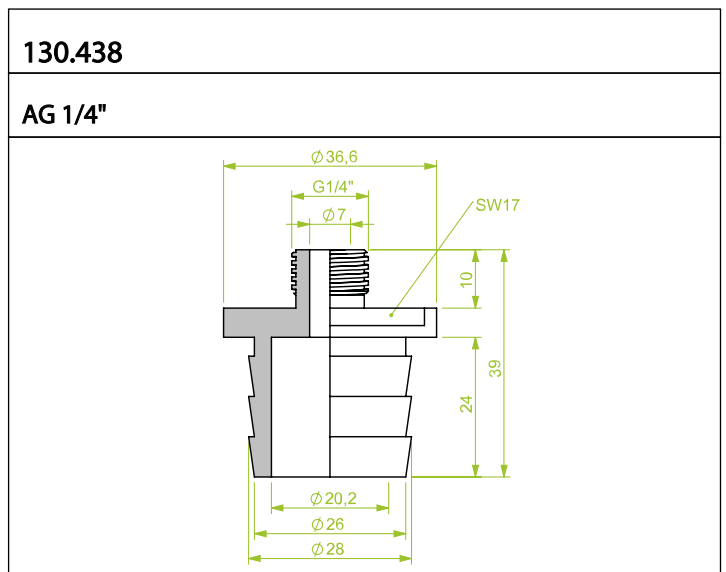
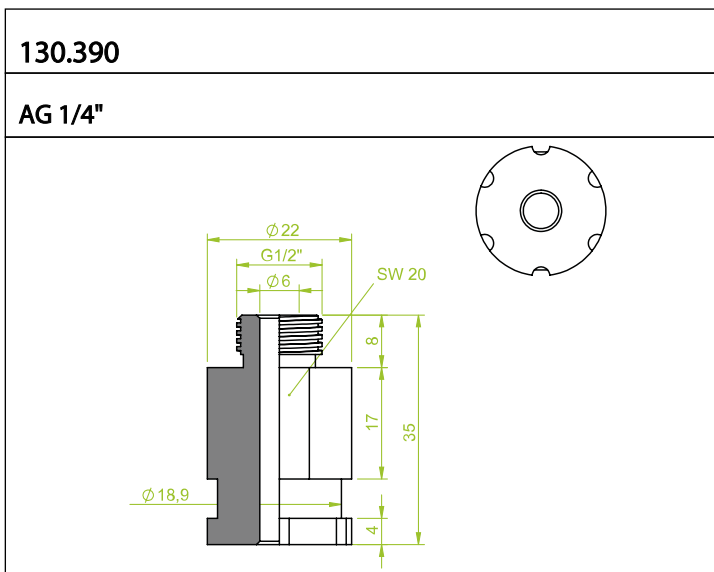
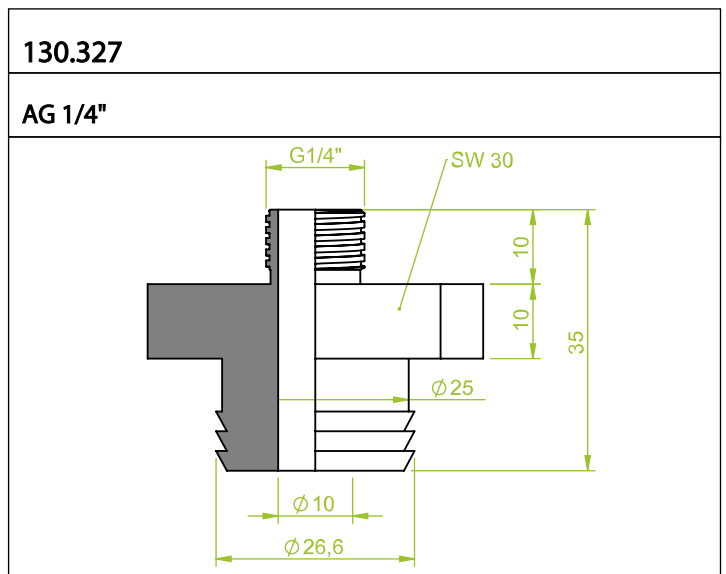
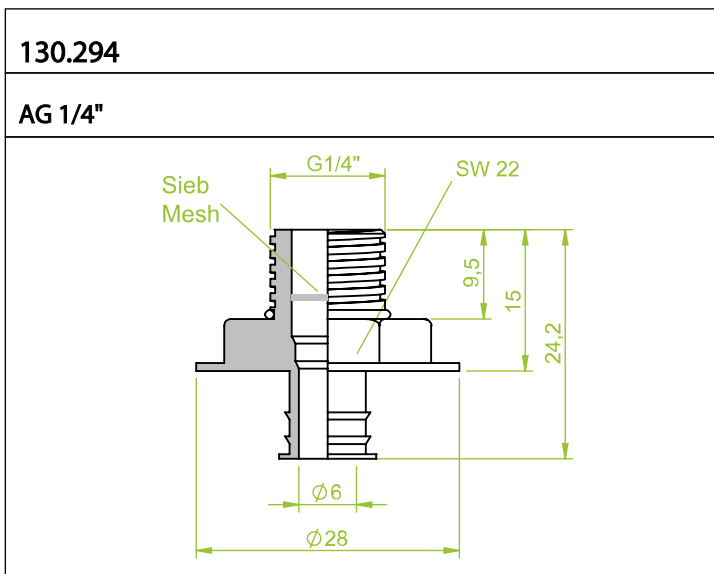
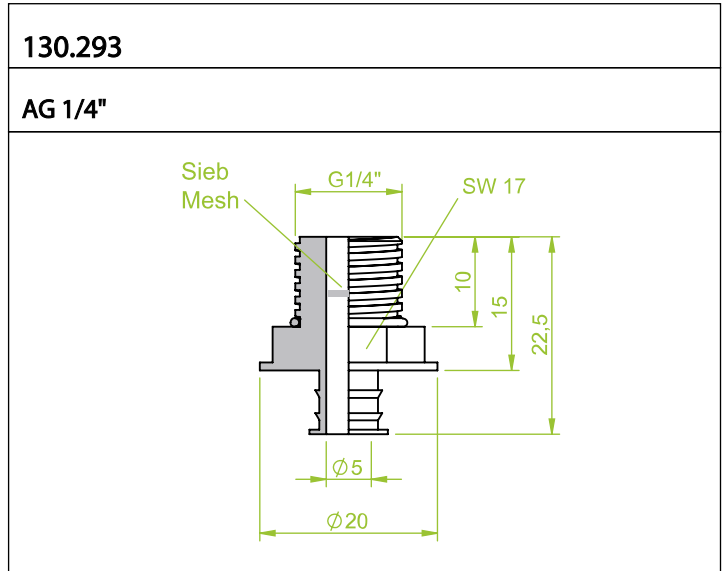
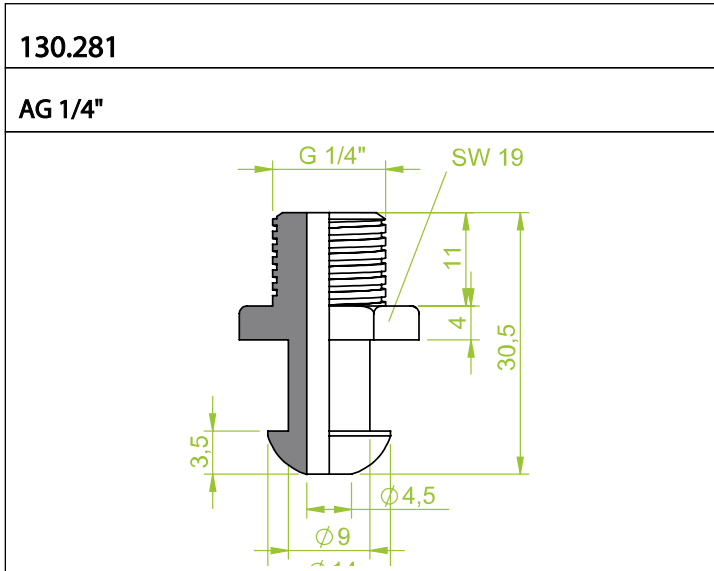
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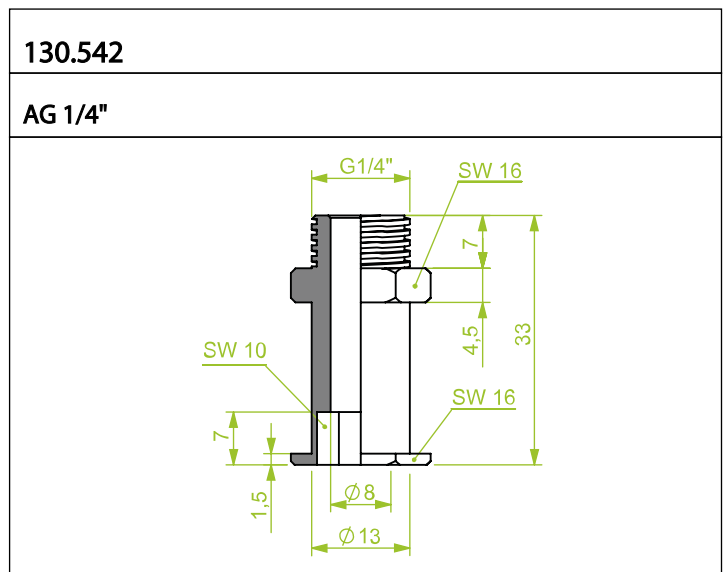
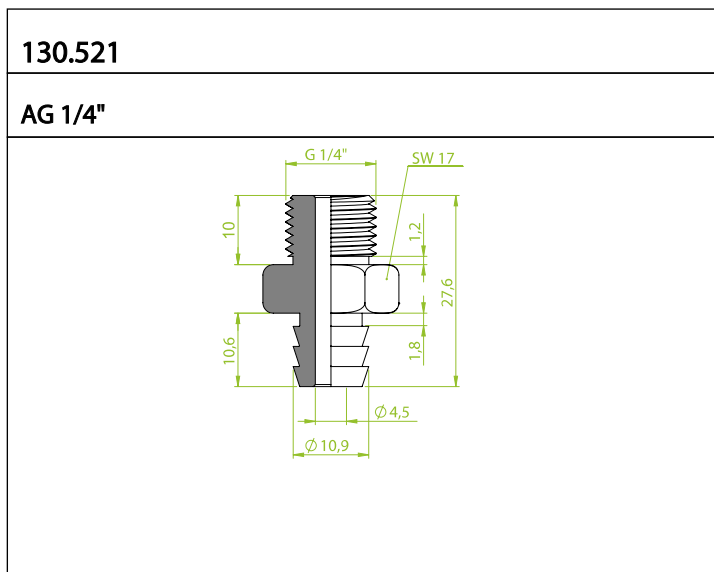
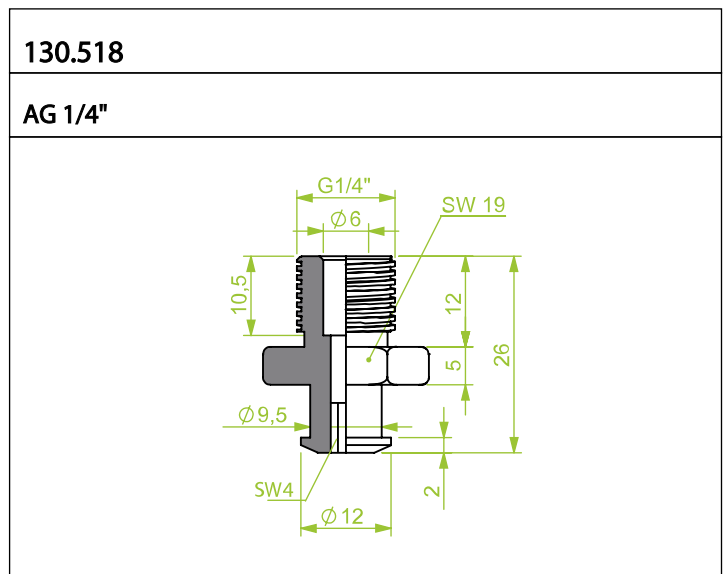
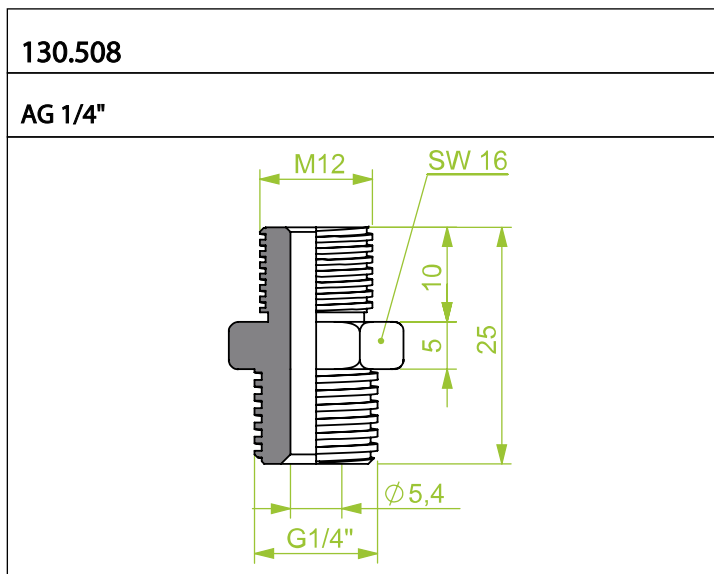
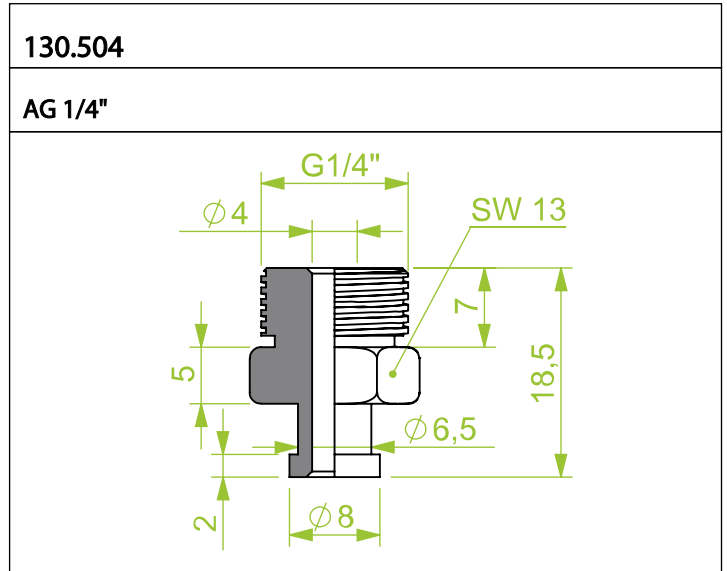
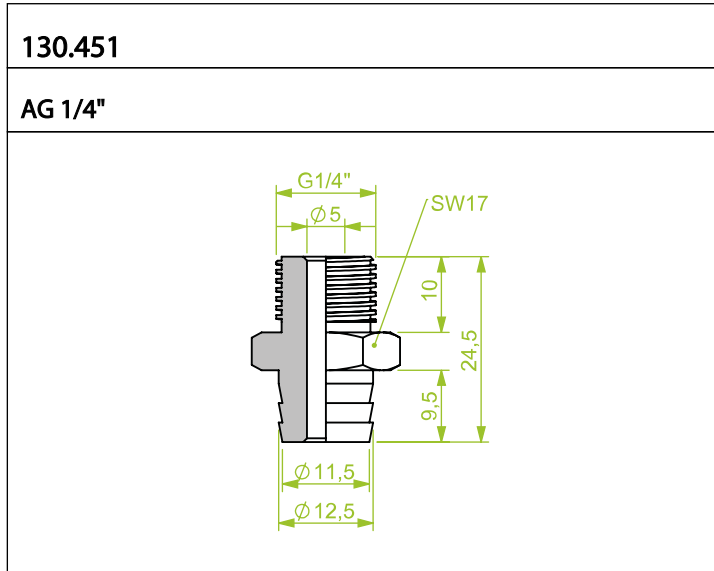




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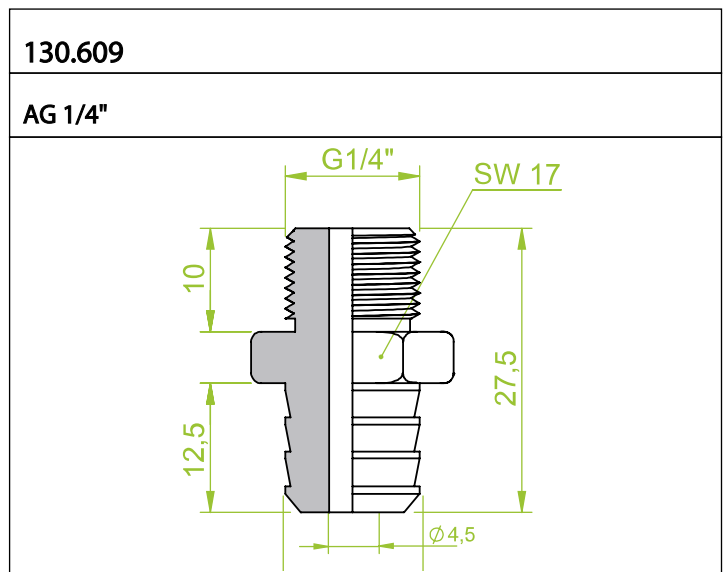
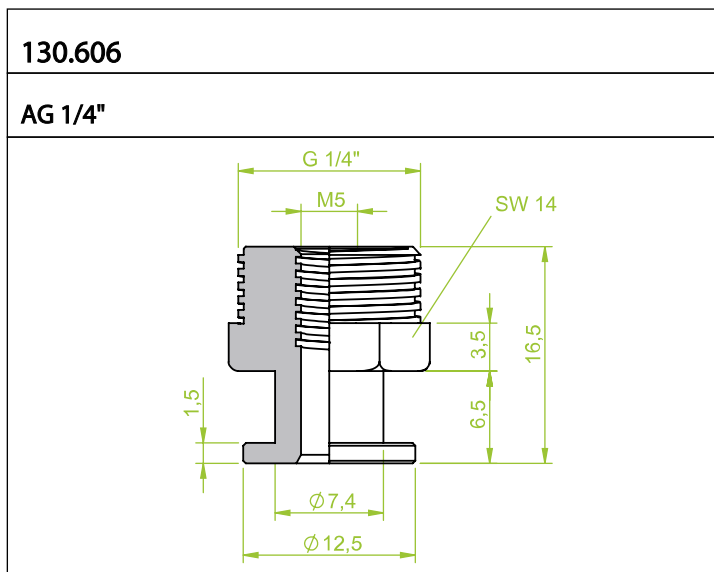
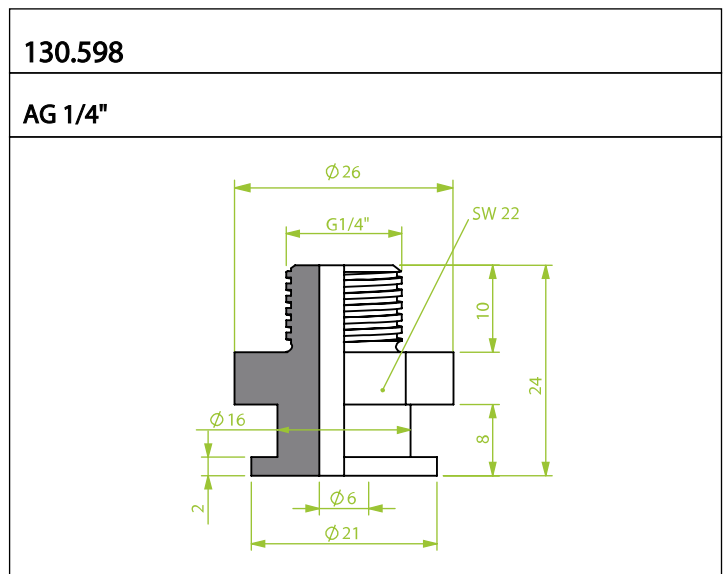
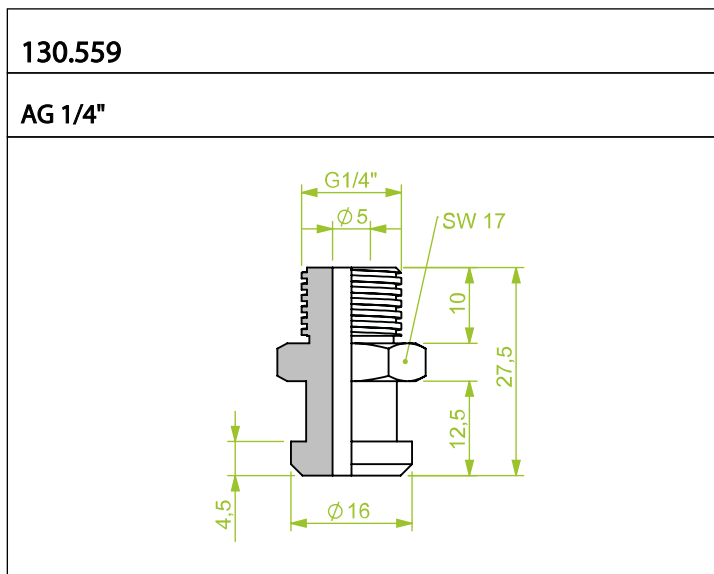
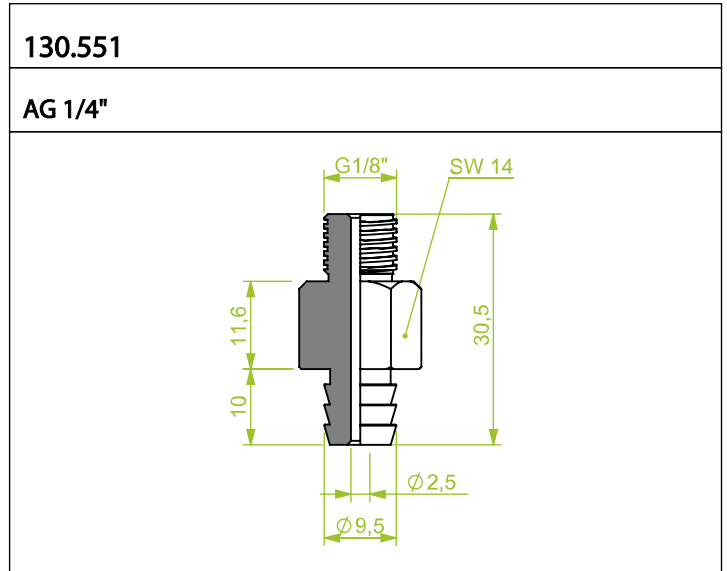
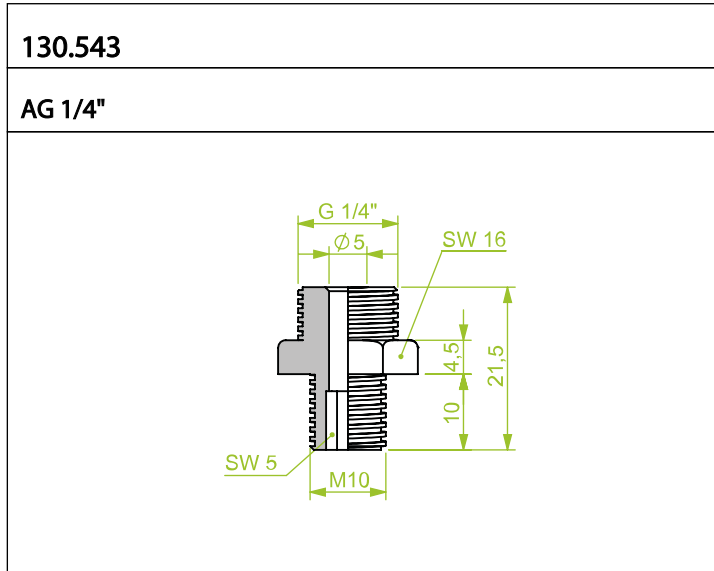
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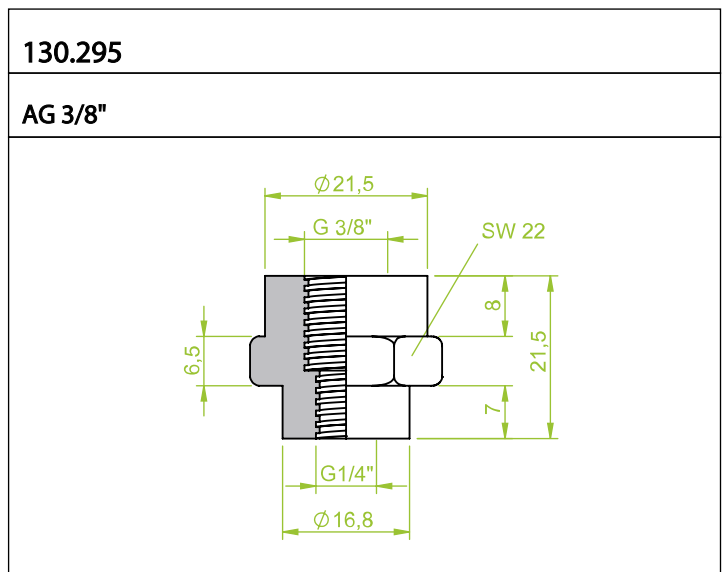
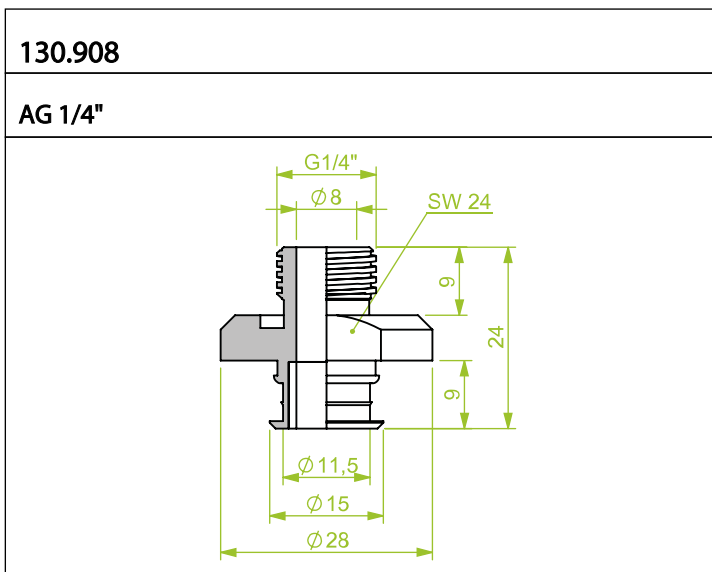
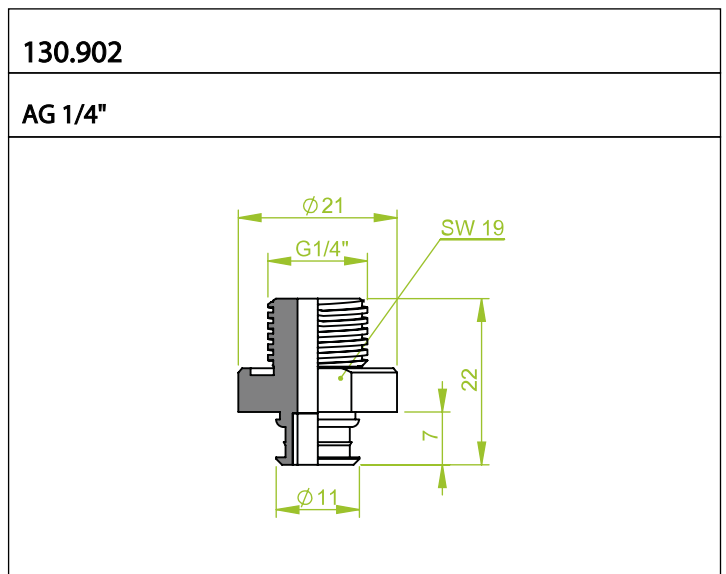
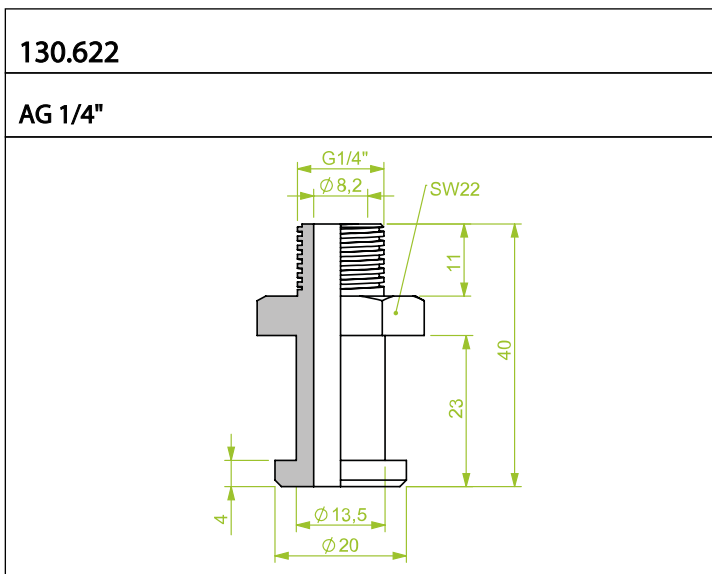
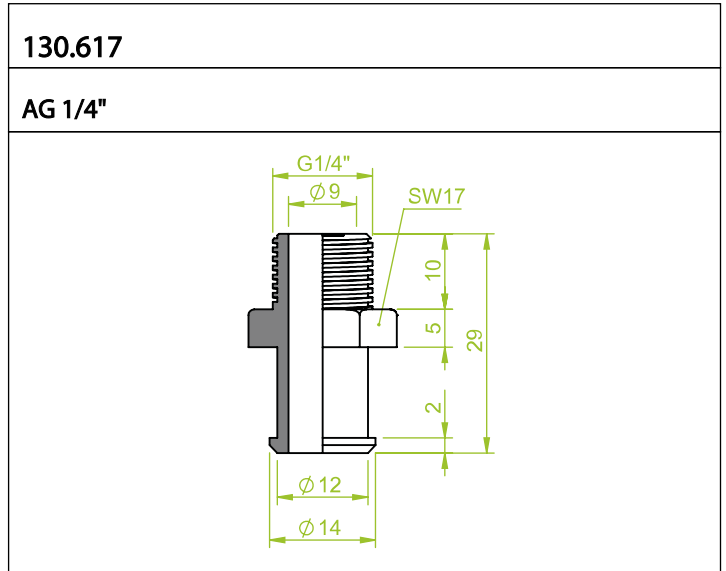
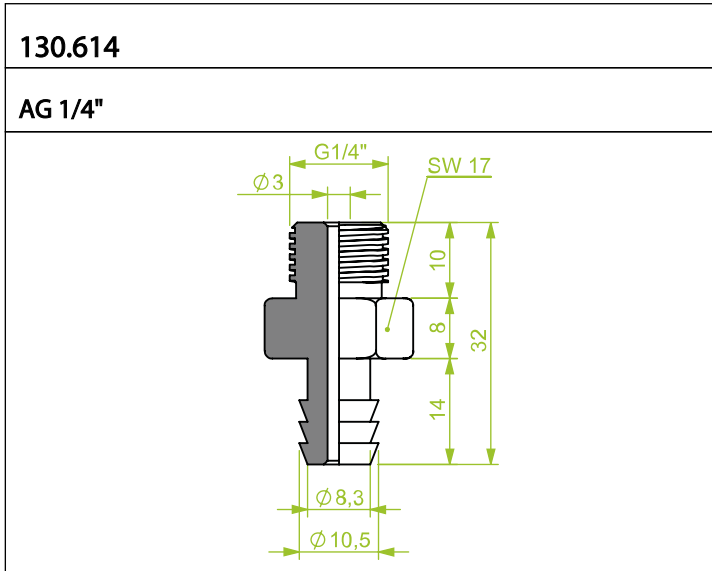
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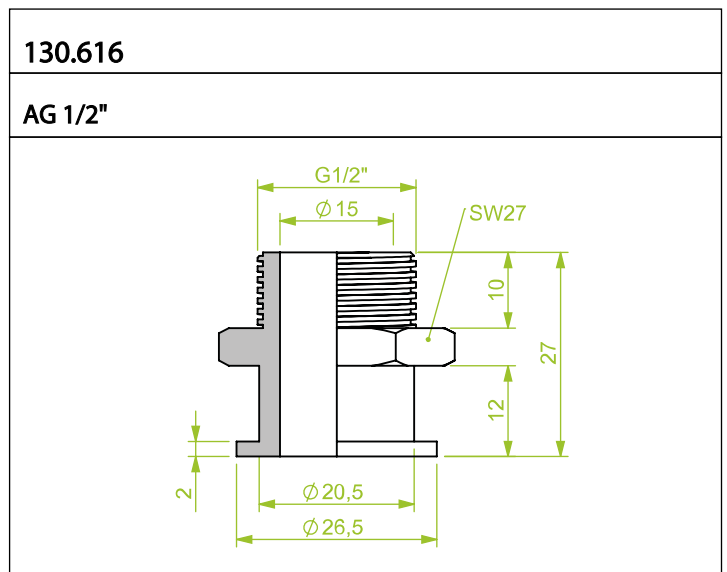
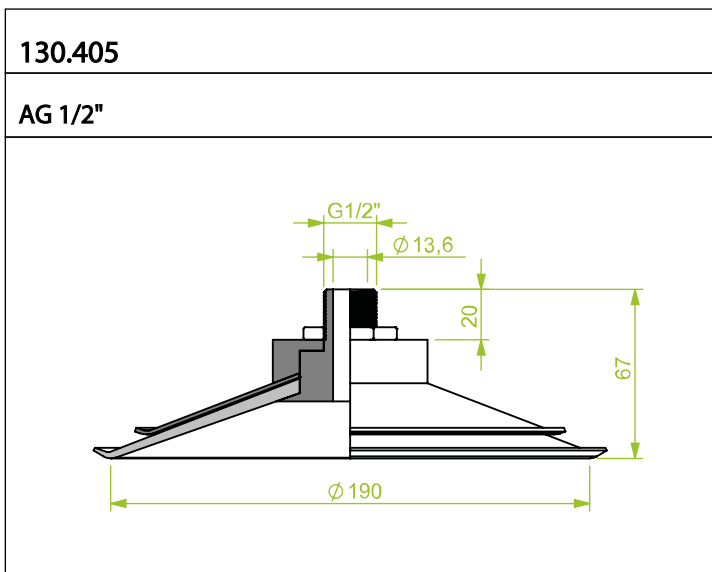
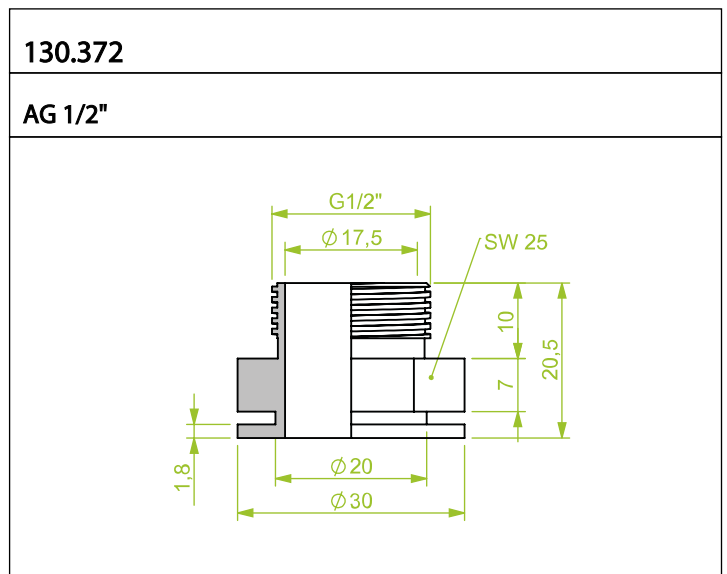
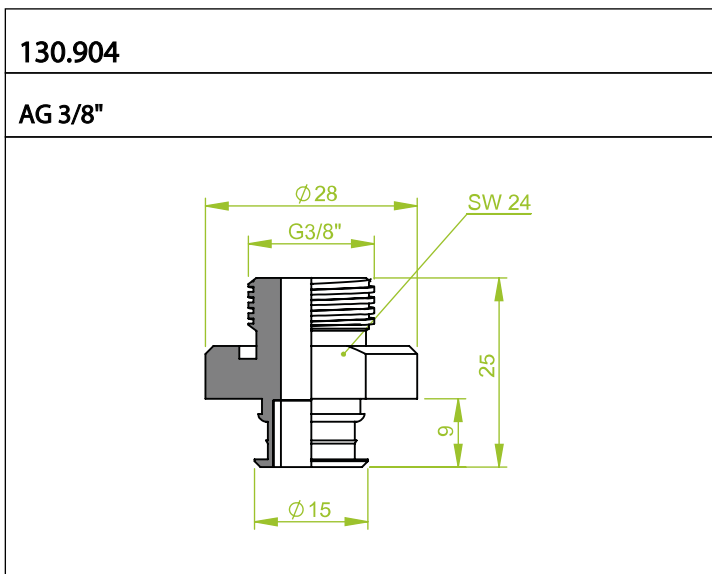
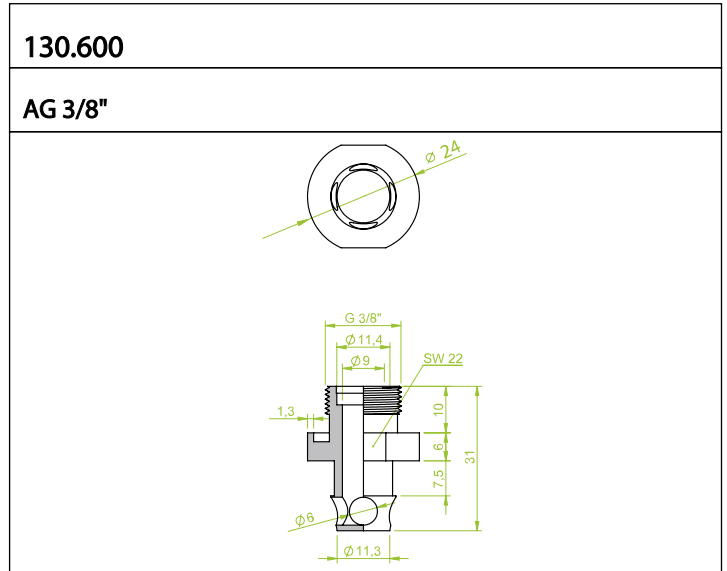
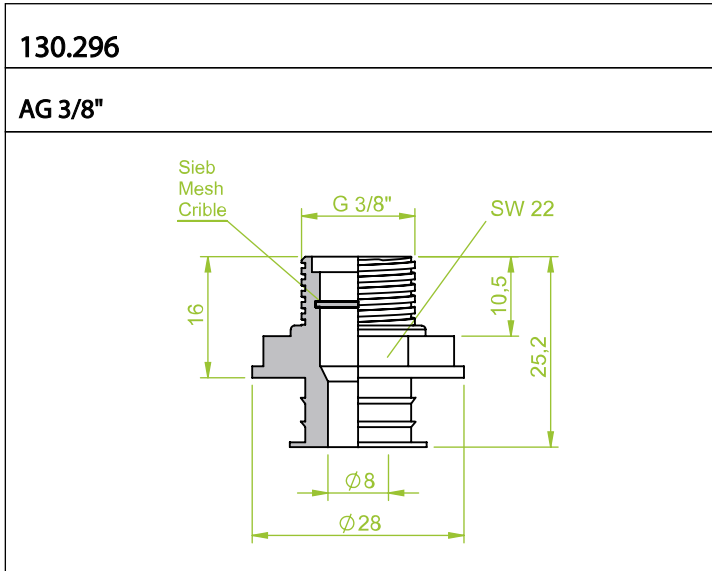
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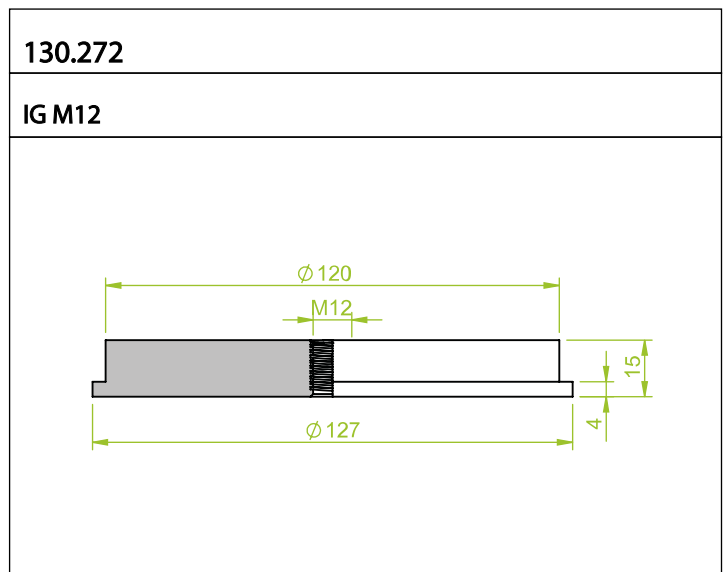
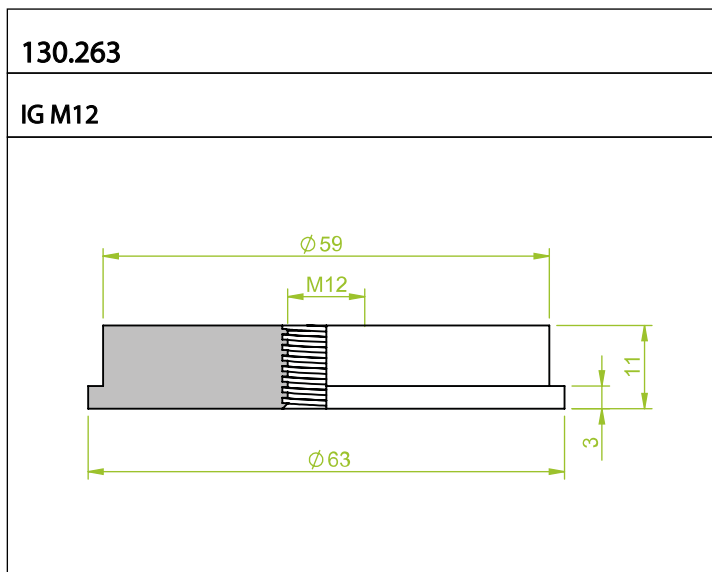
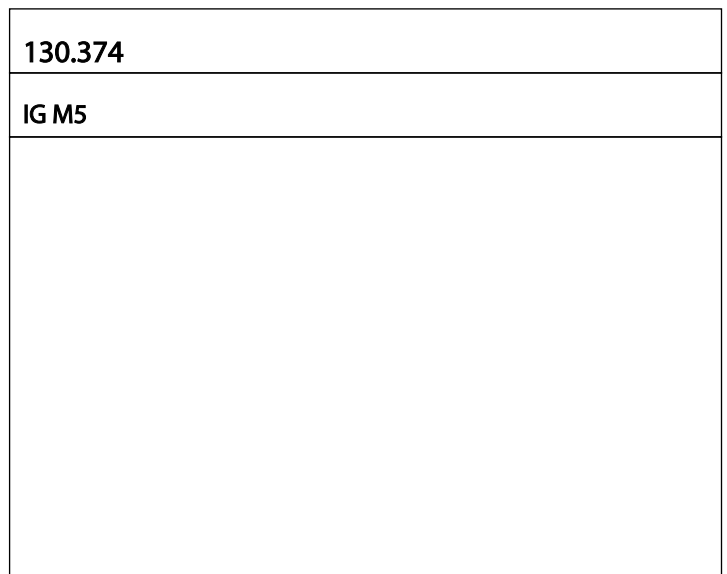
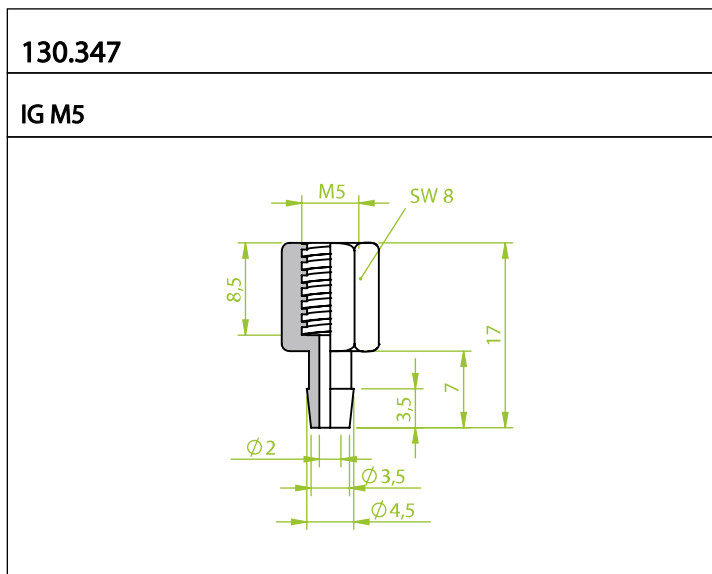
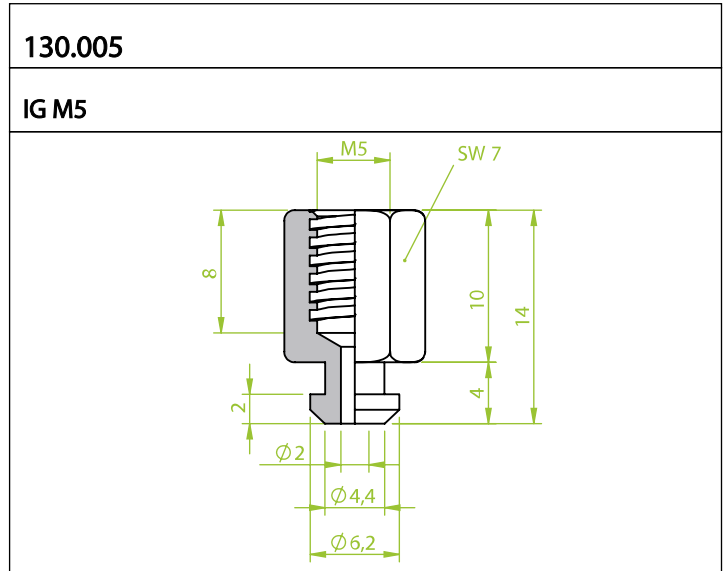
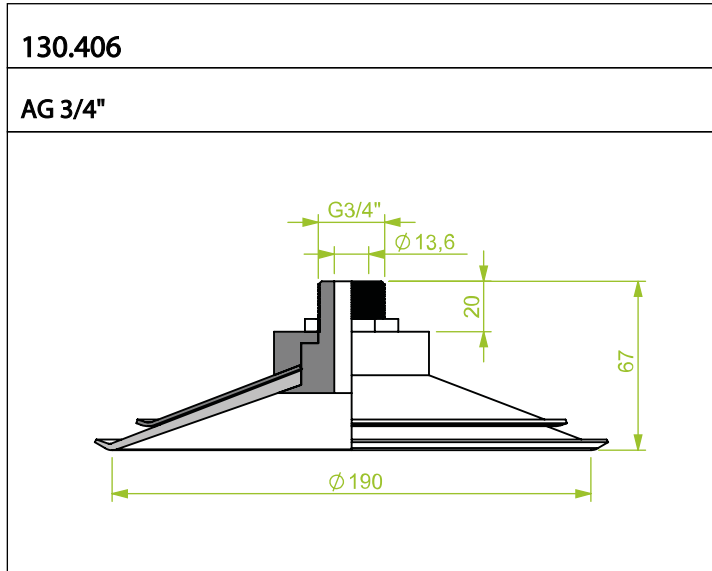




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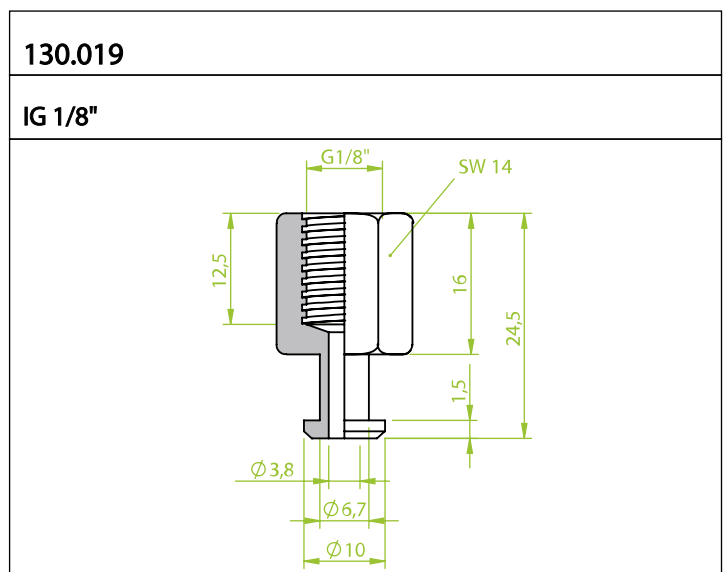
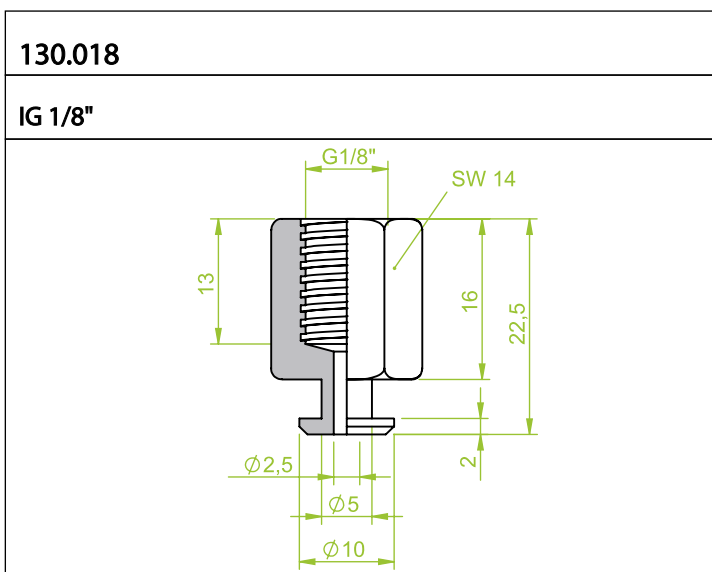
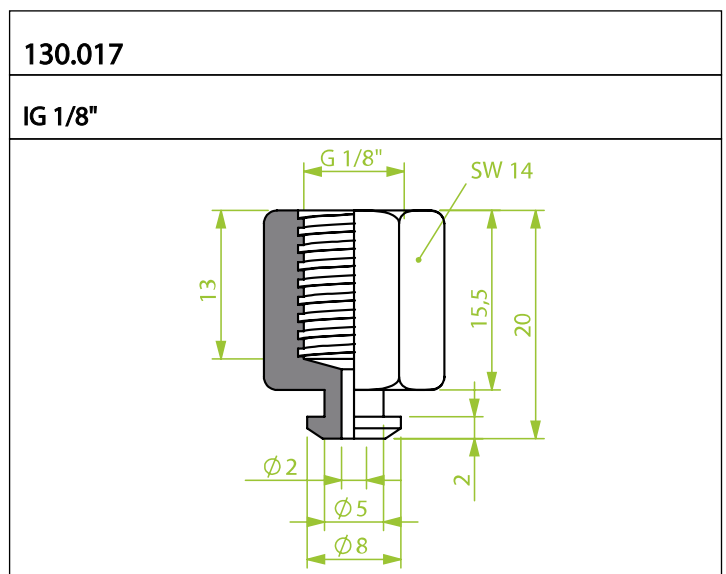
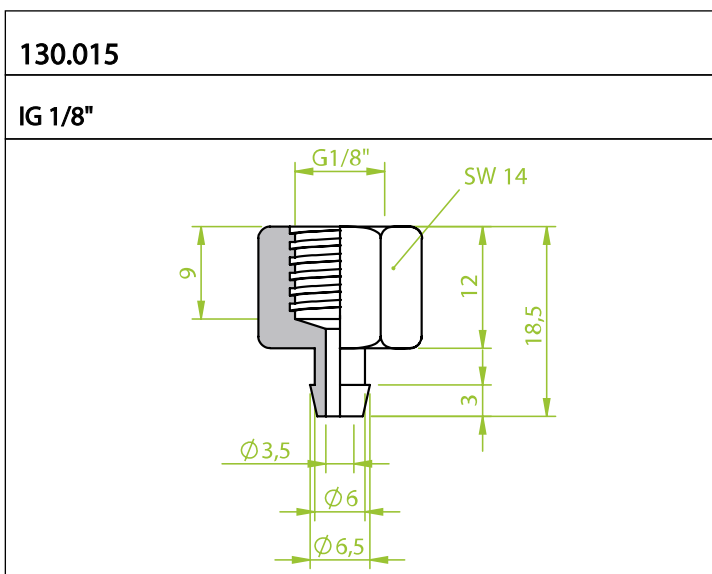
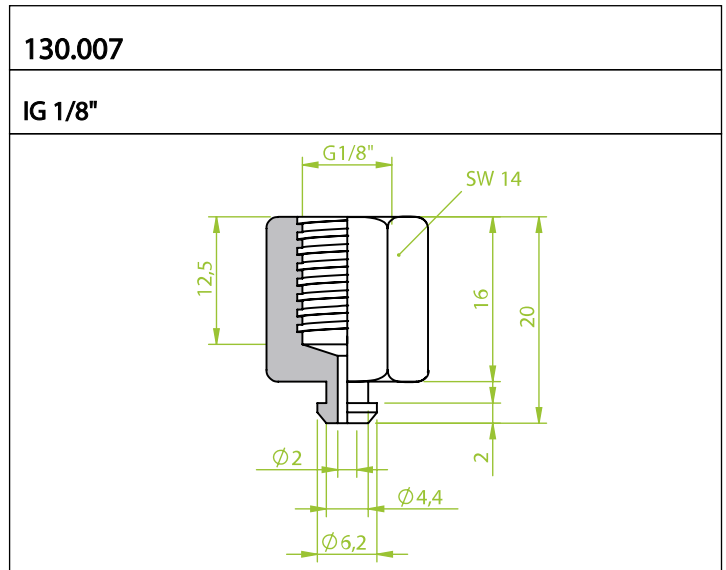
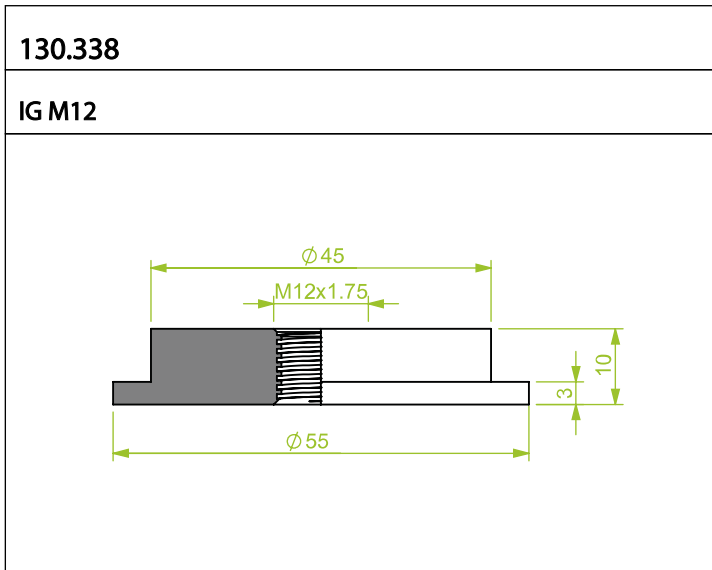
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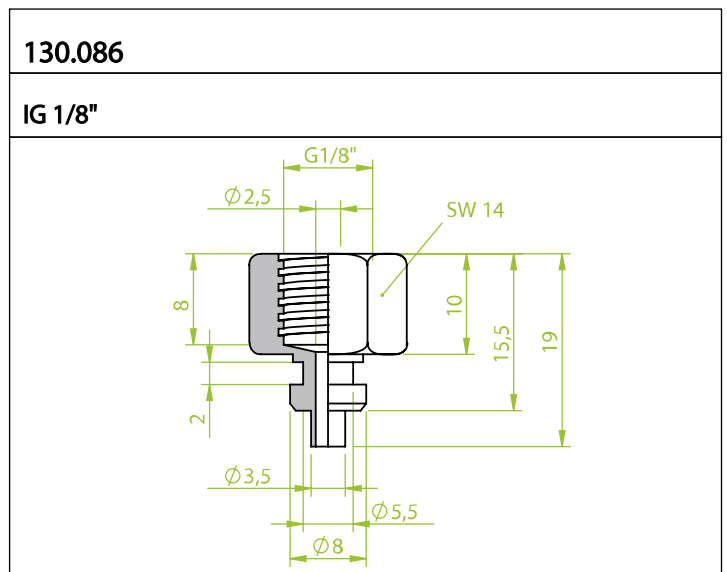
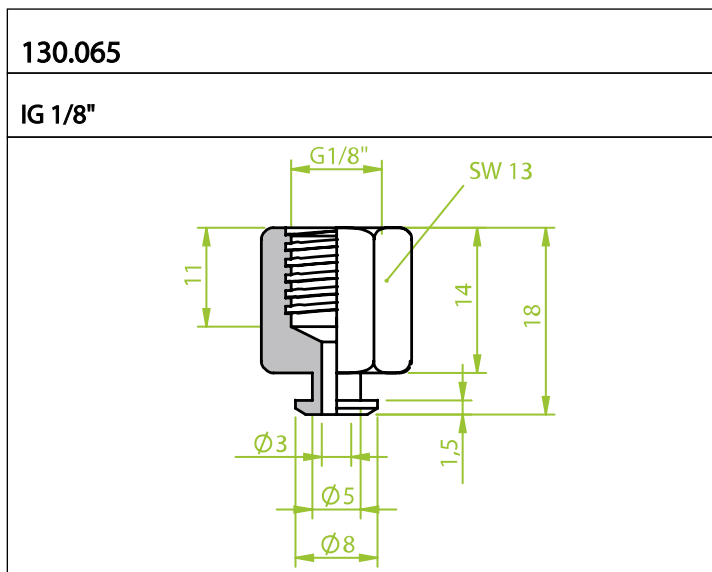
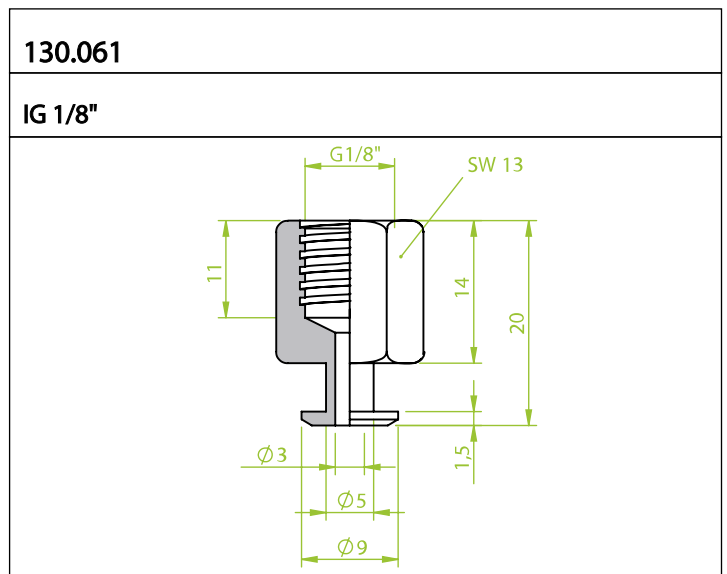
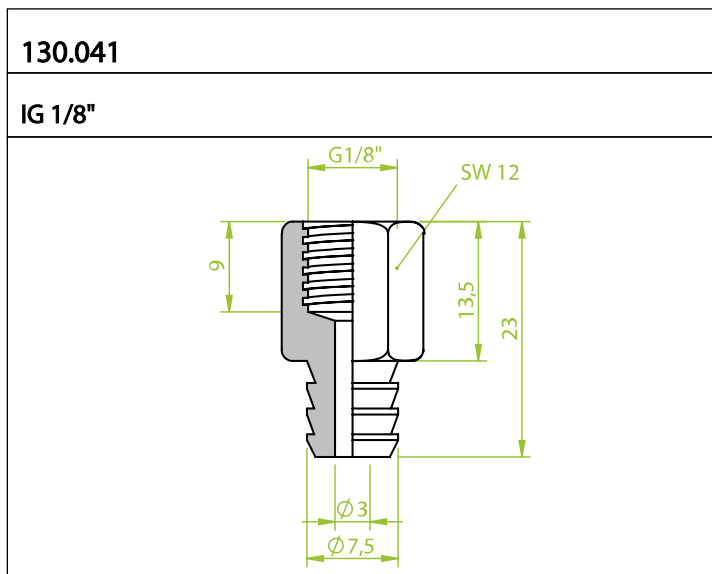
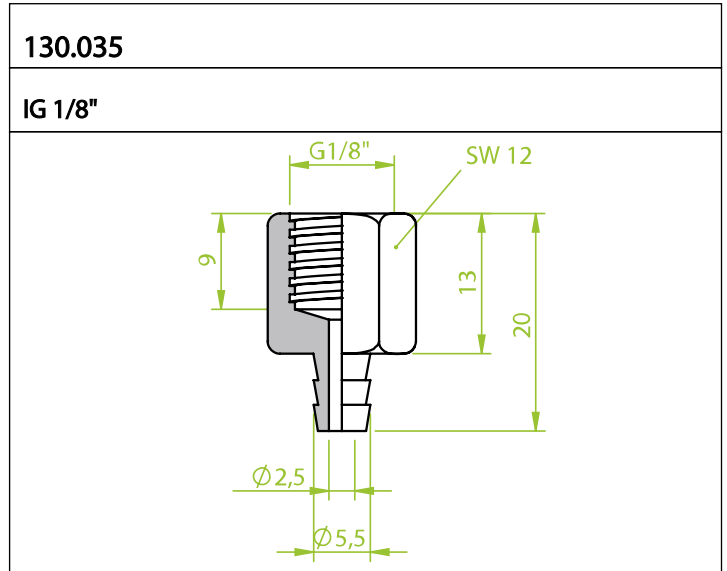
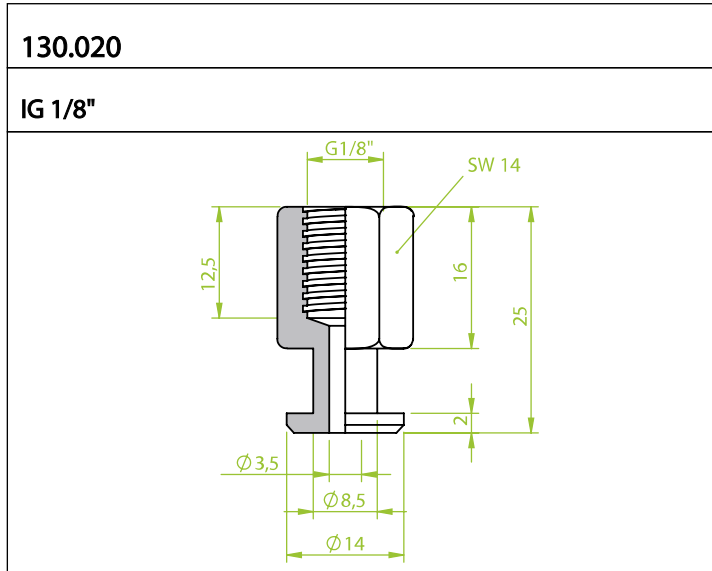
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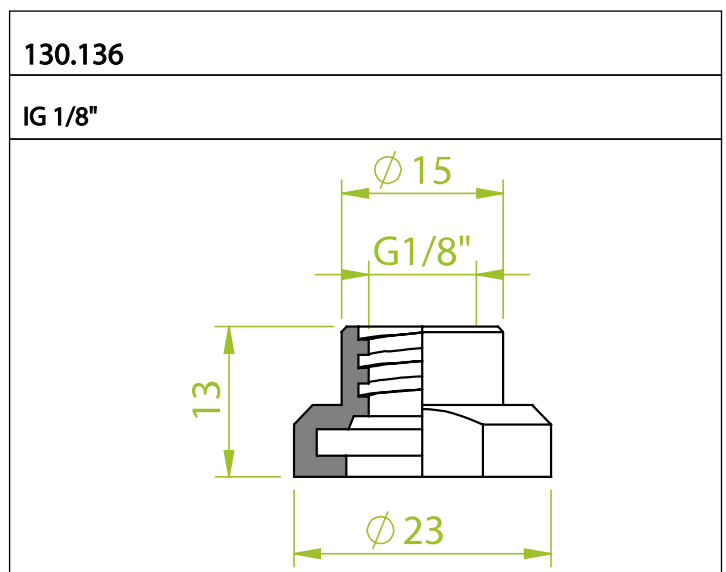
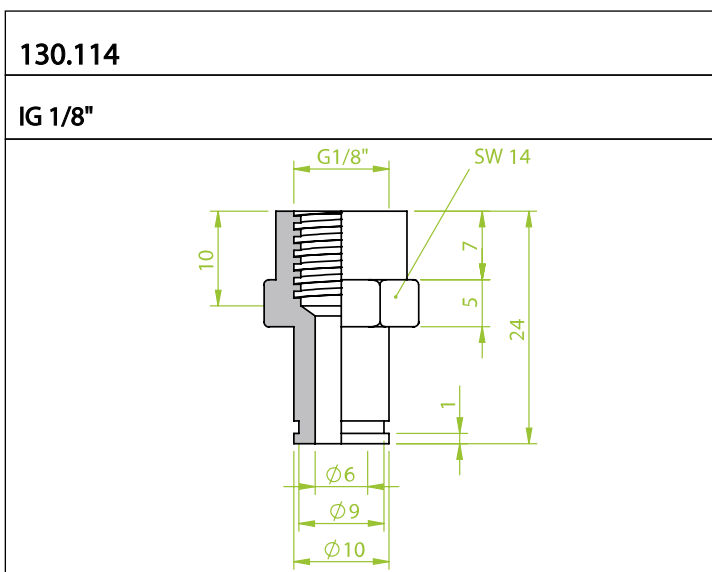
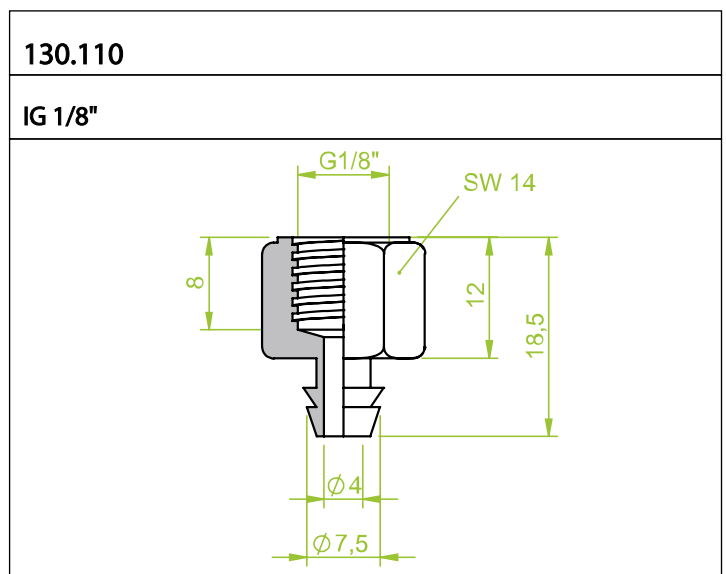
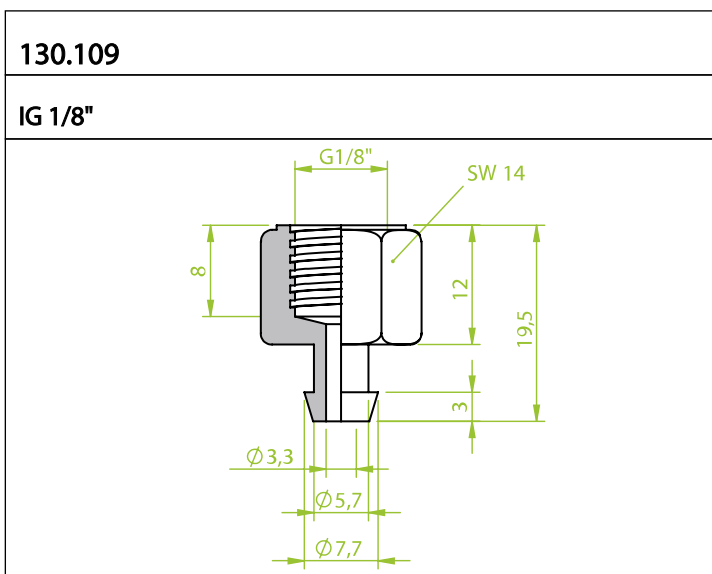
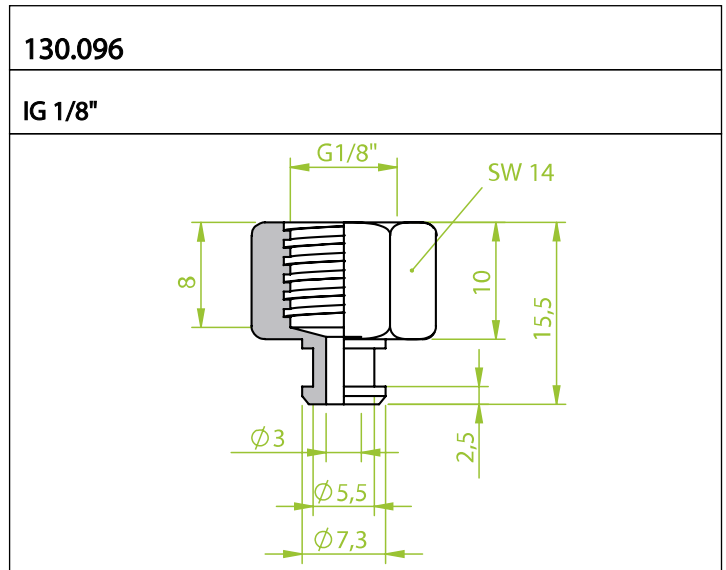
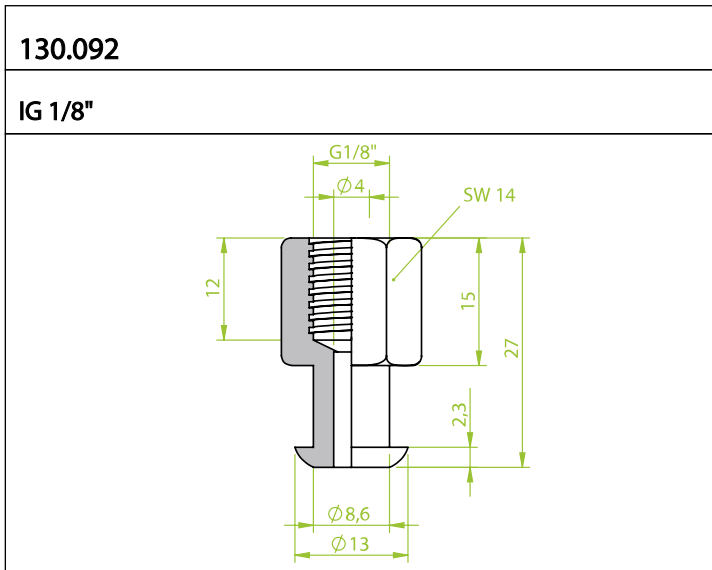
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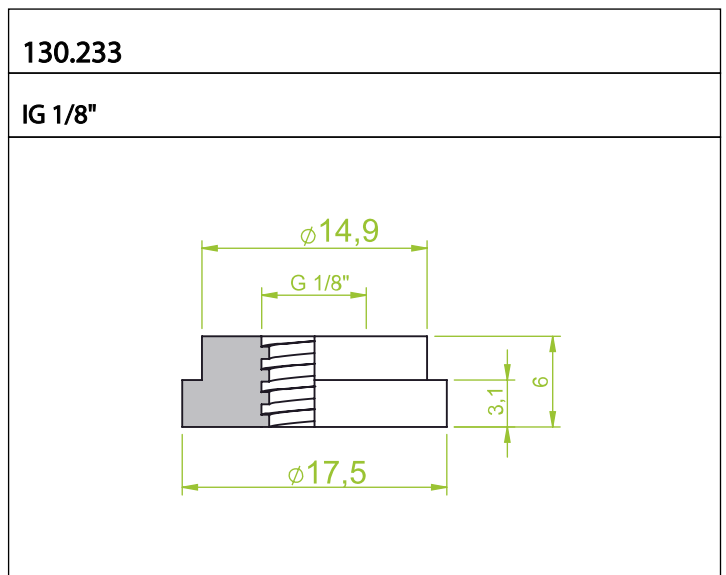
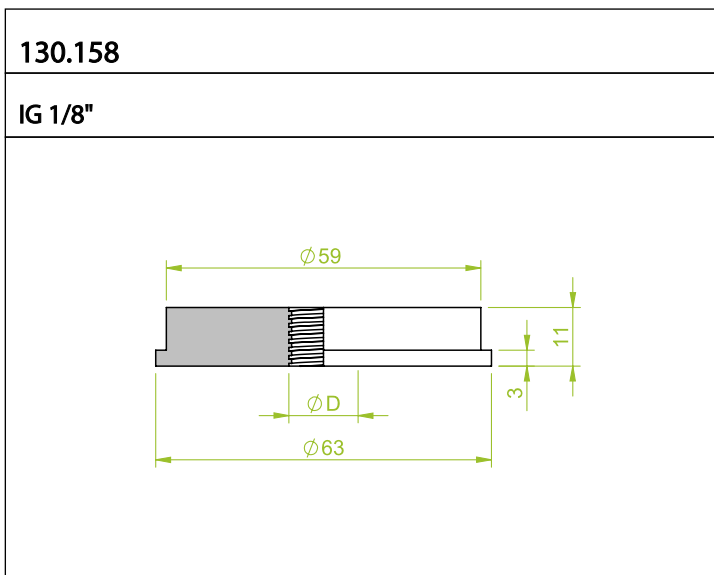
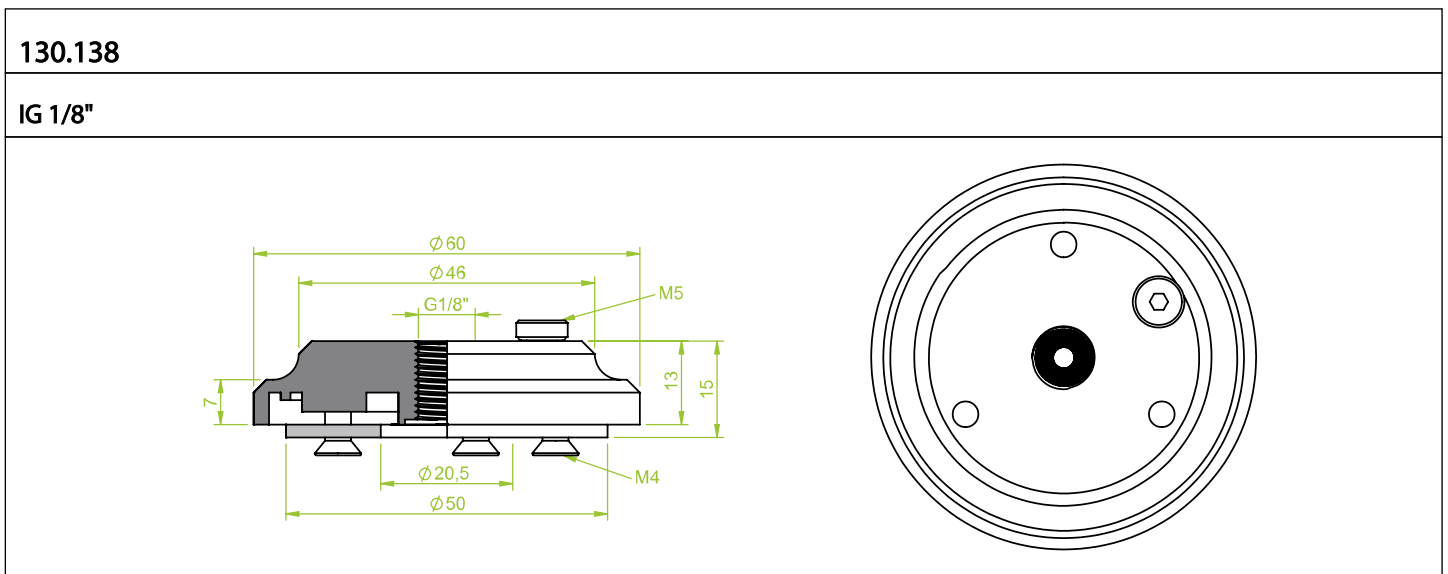
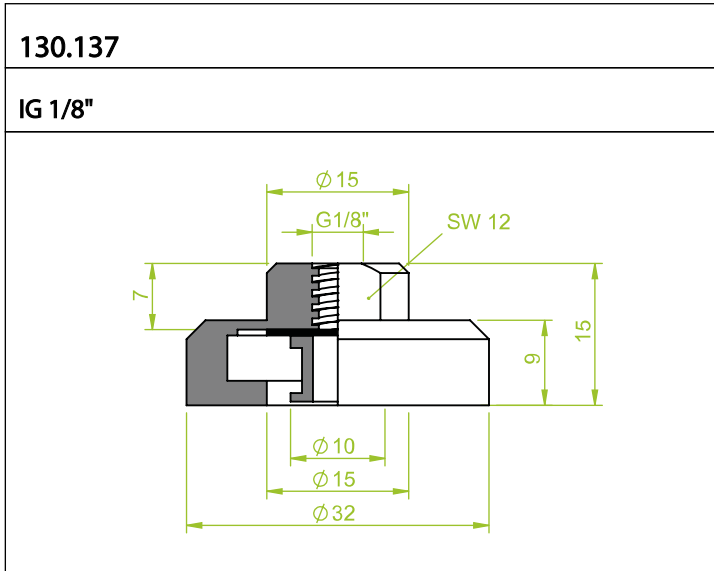




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IG = Innengewinde | Female thread

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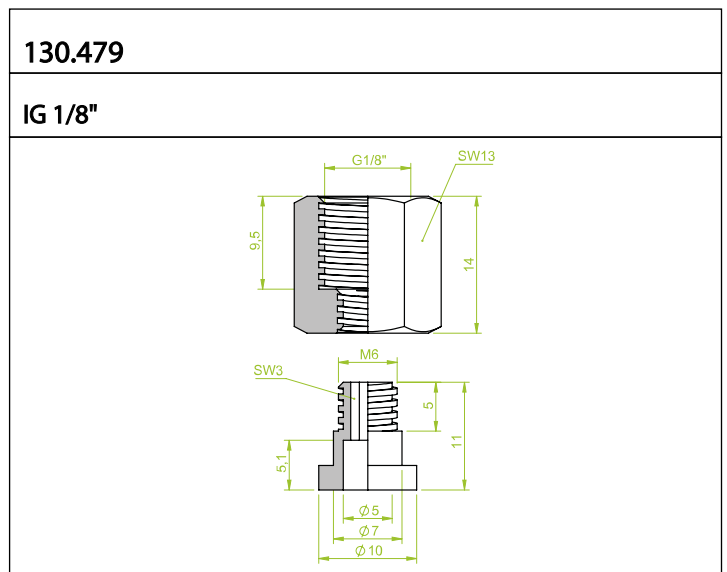
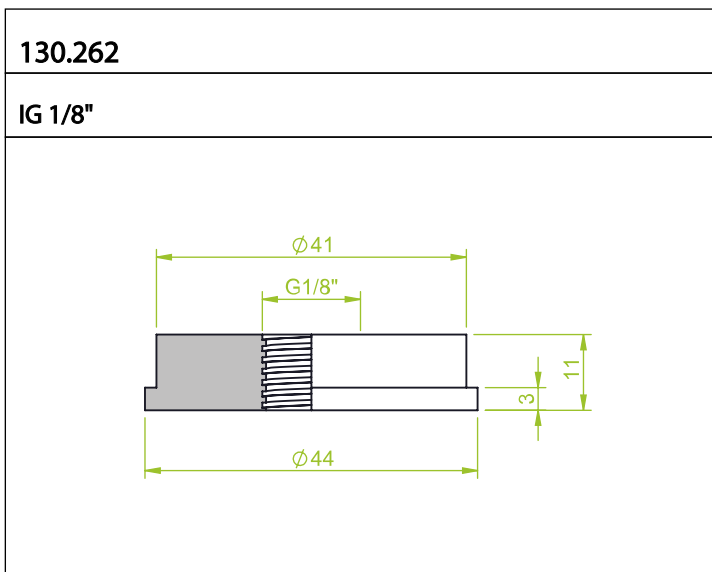
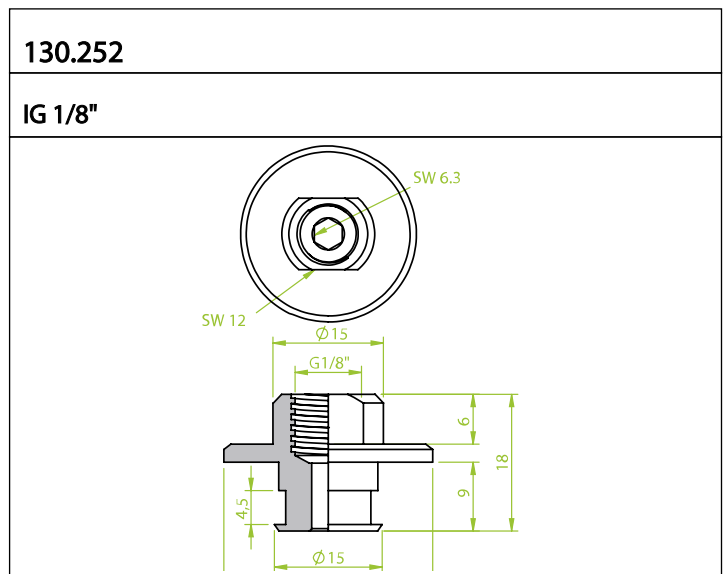
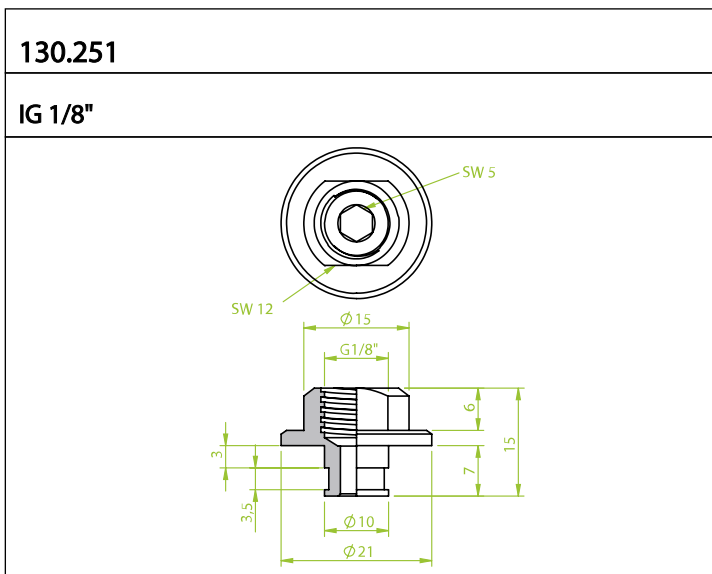
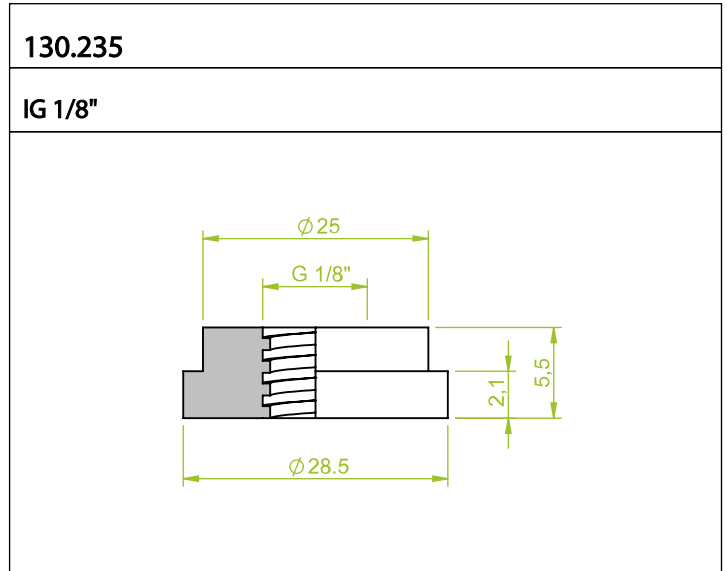
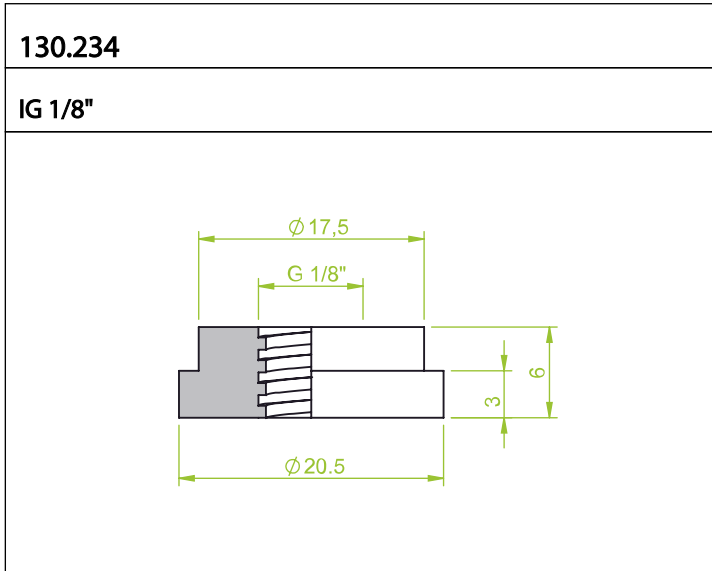
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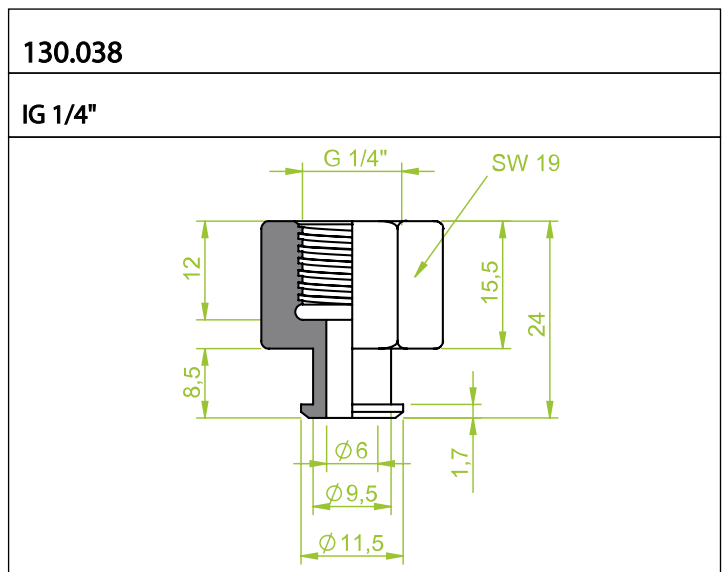
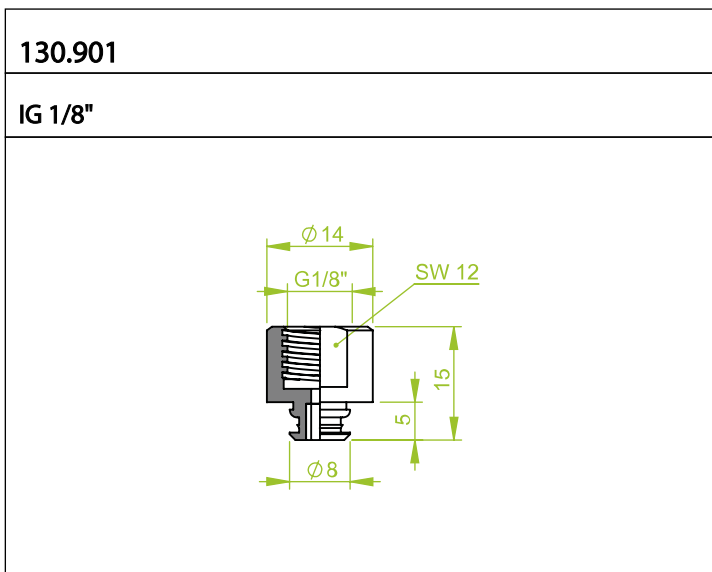
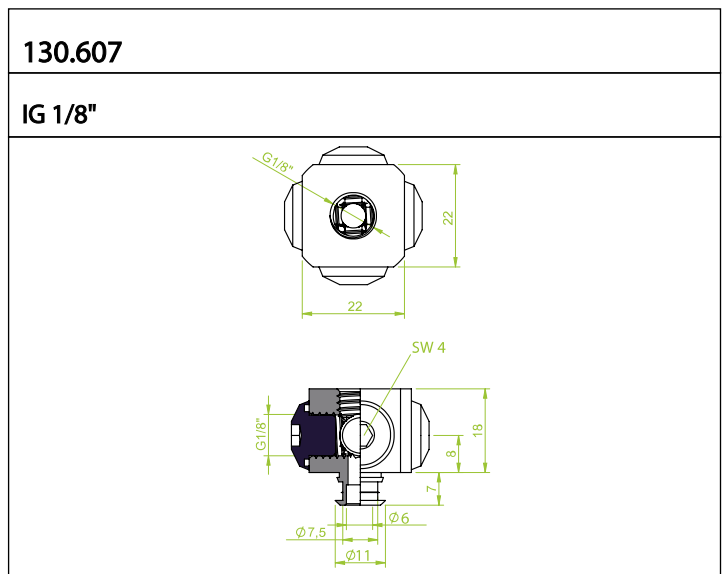
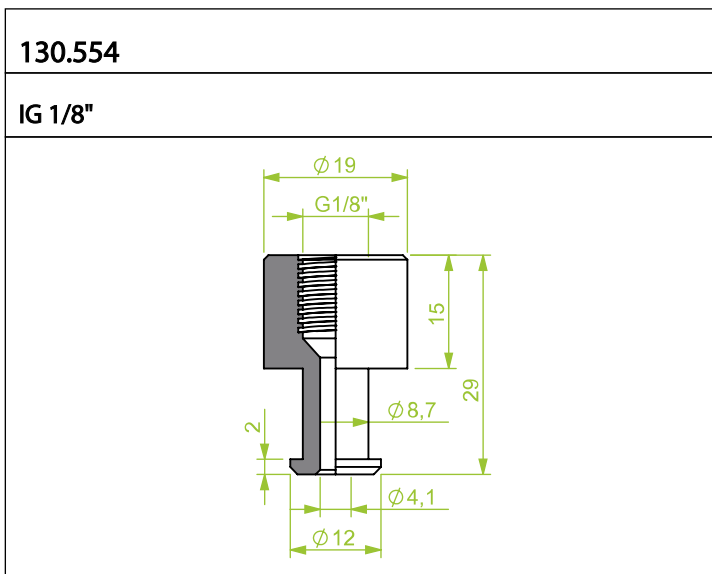
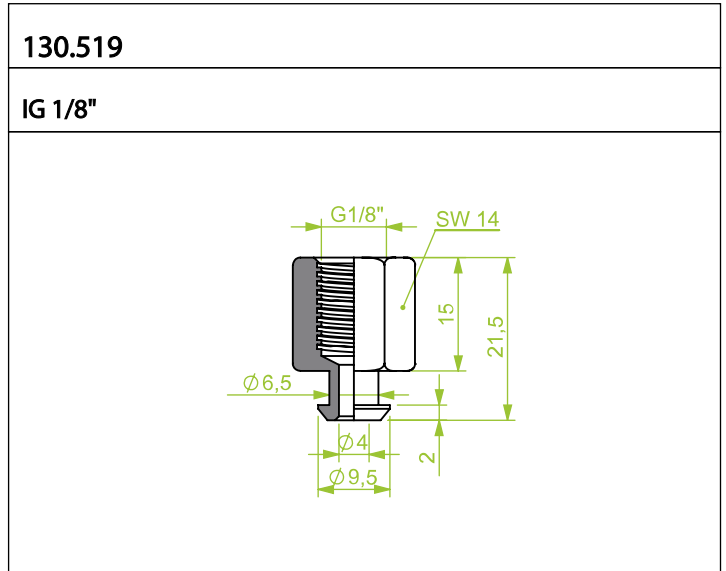
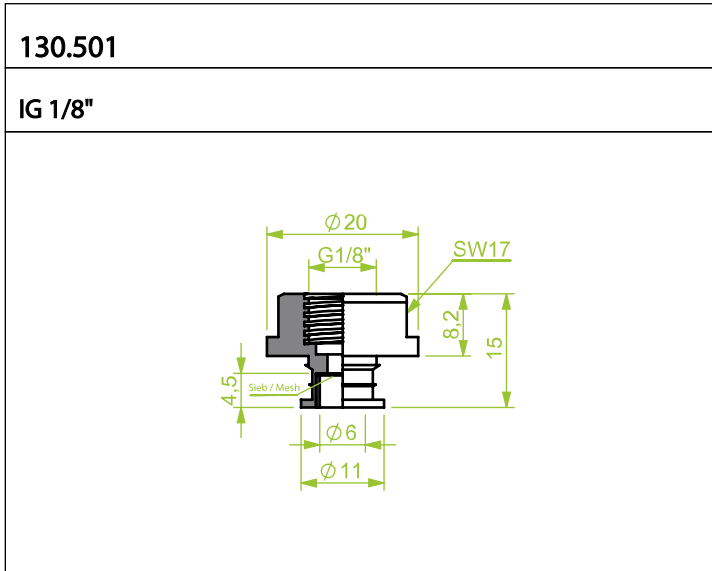


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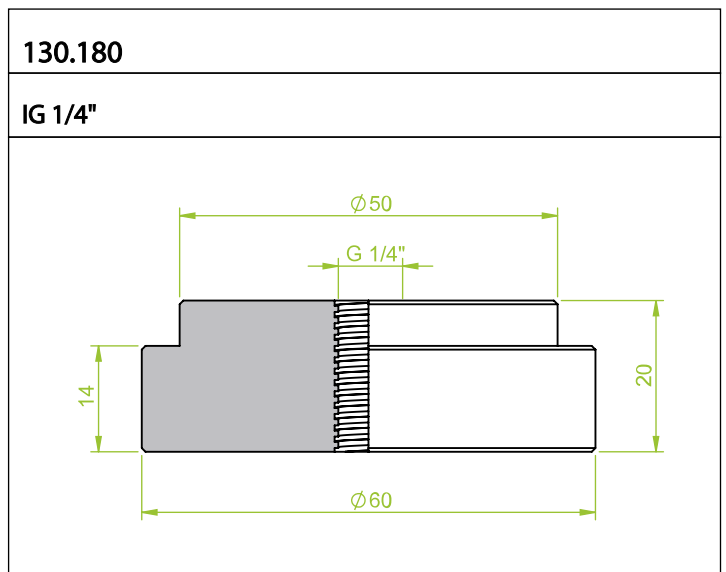
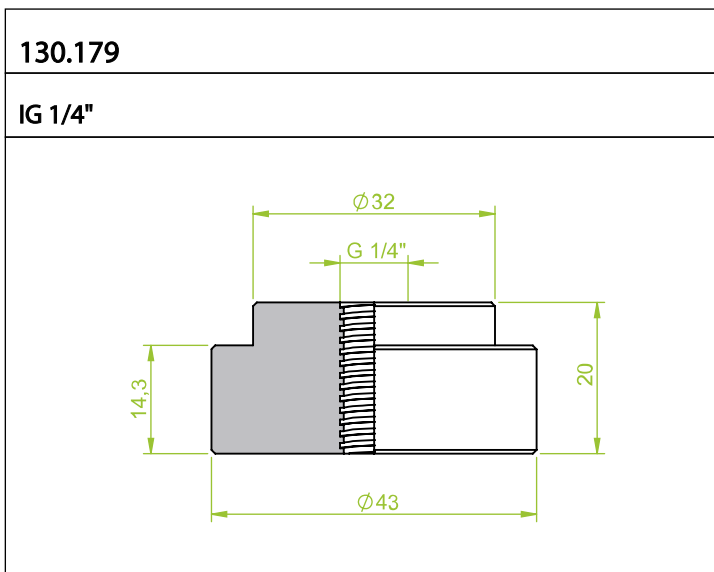
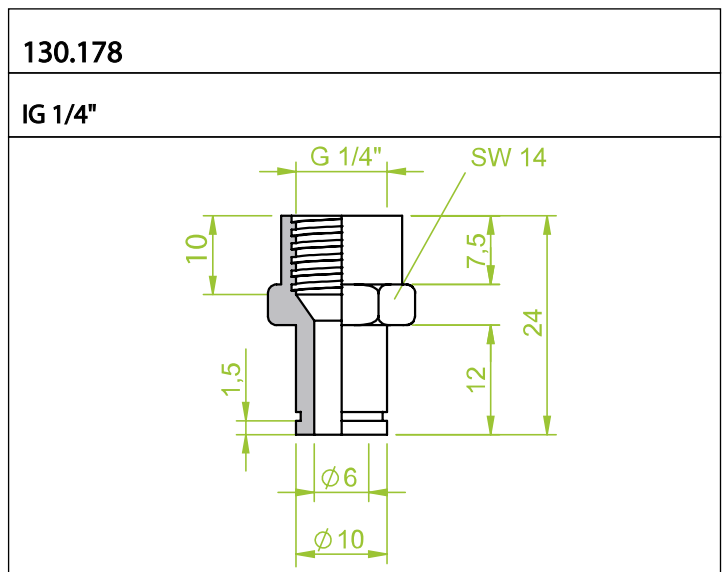
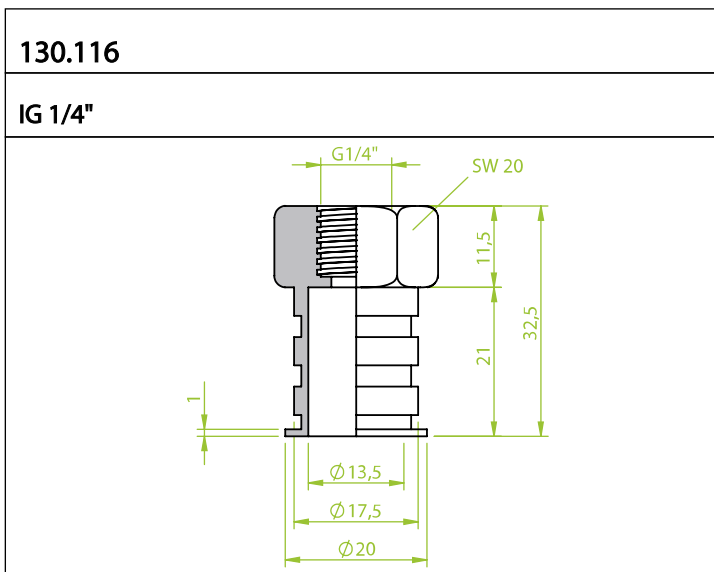
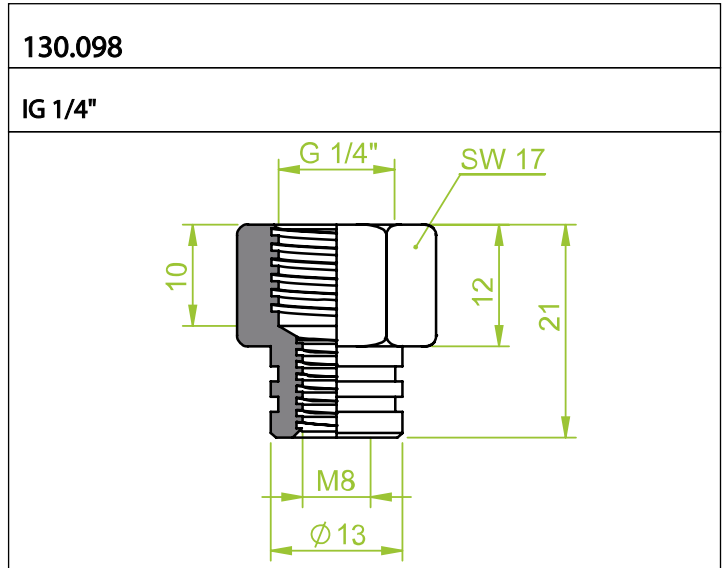
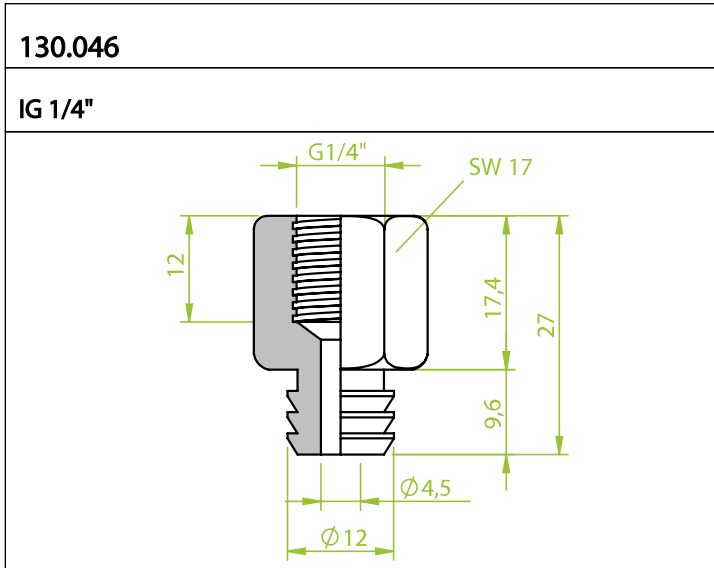
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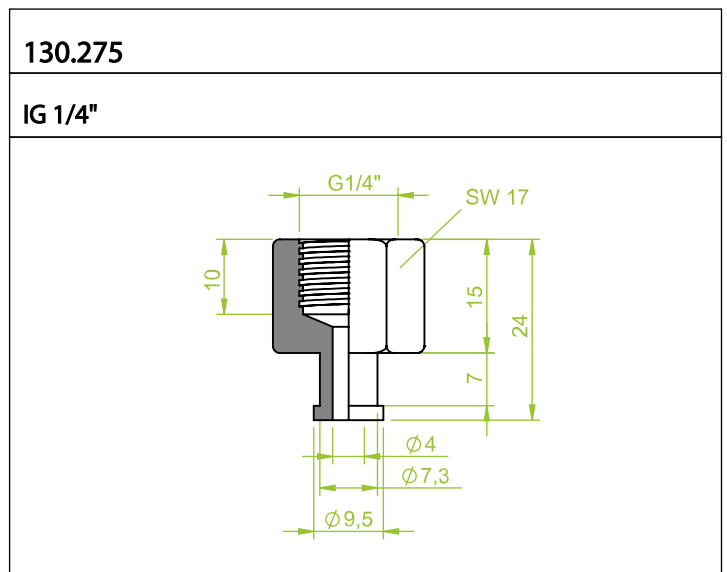
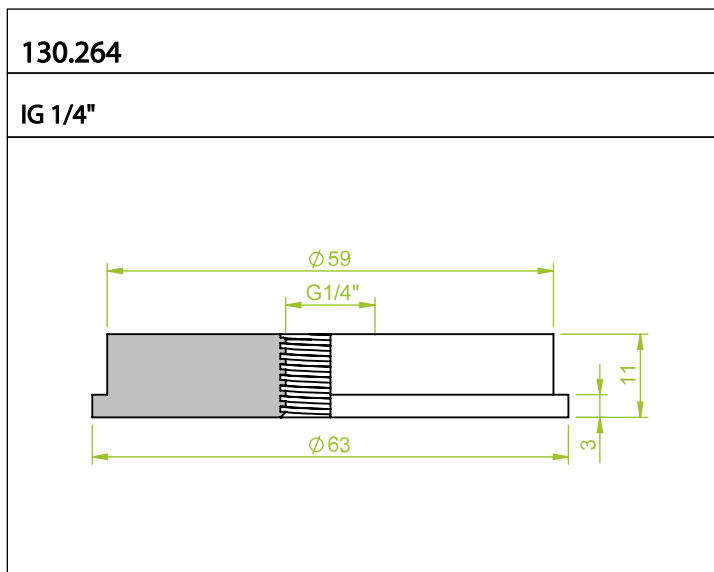
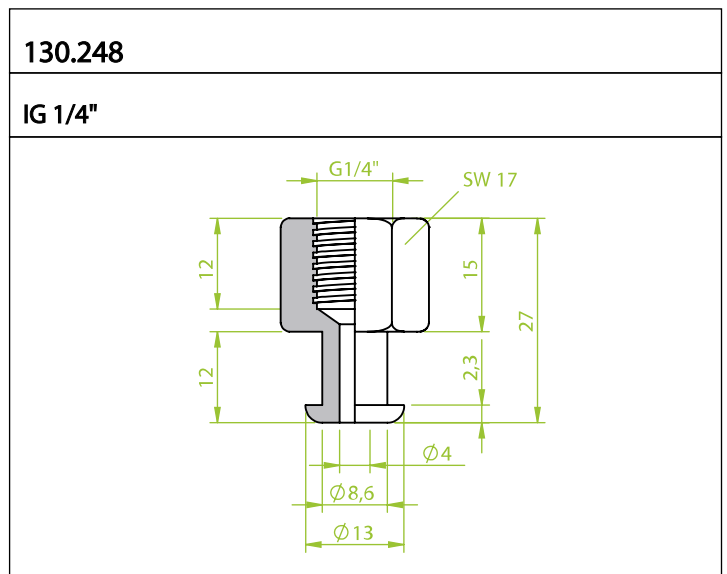
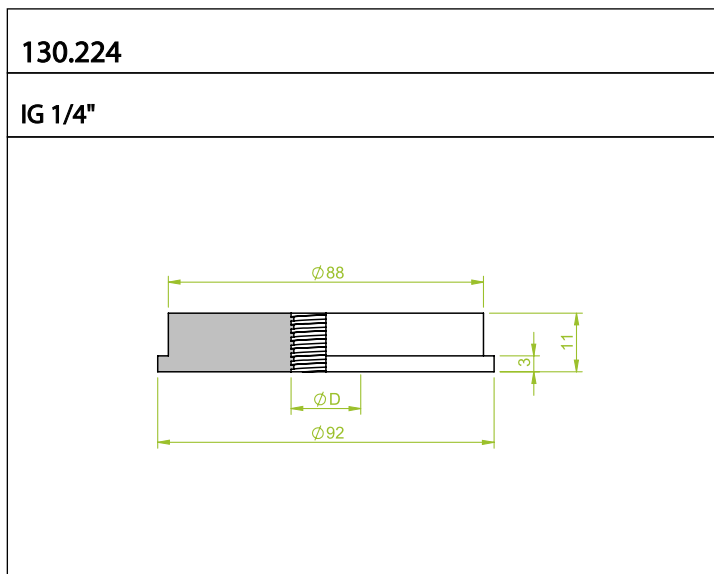
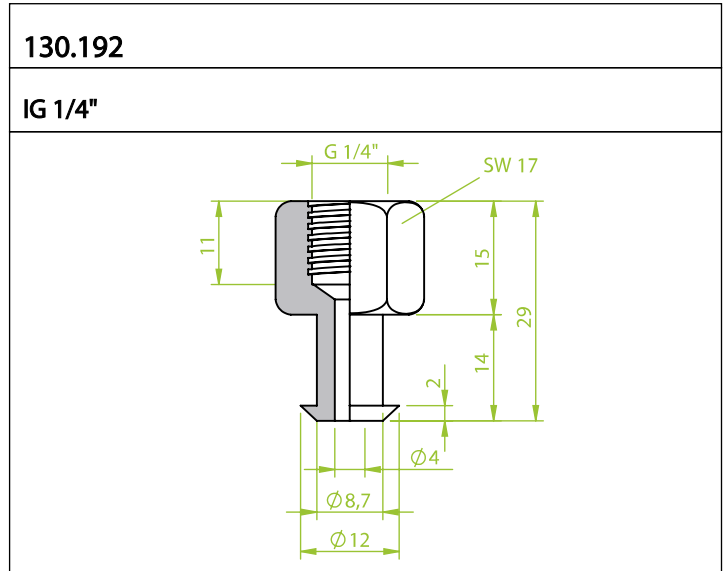
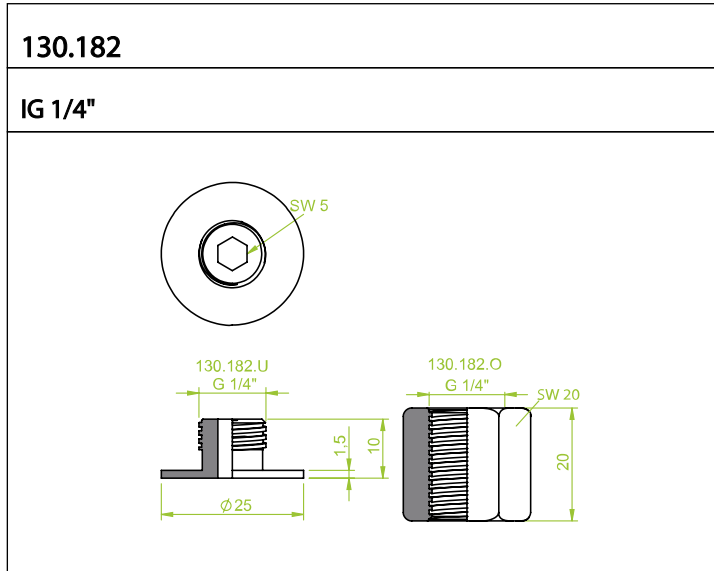
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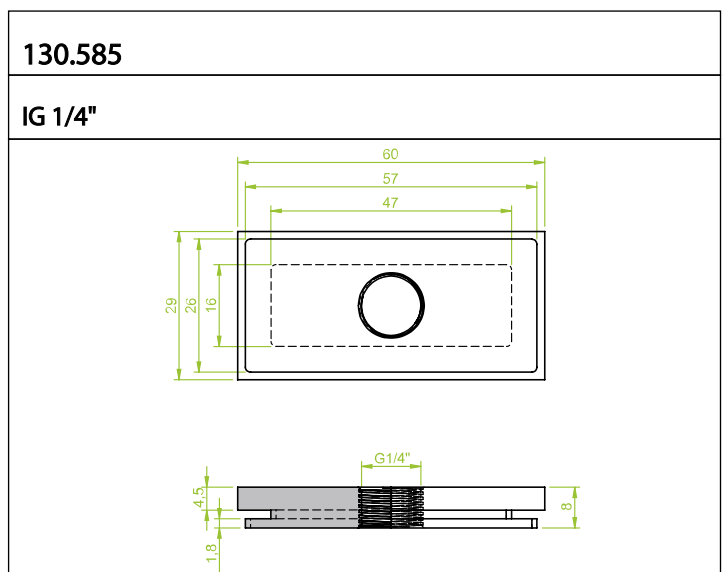
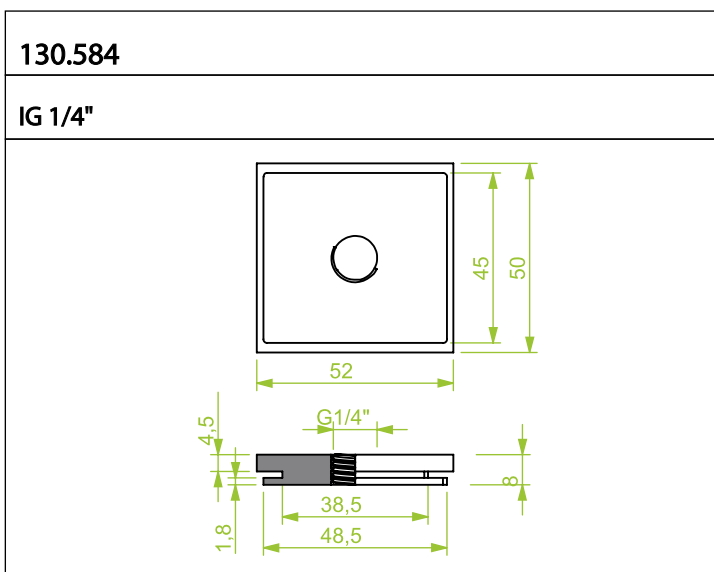
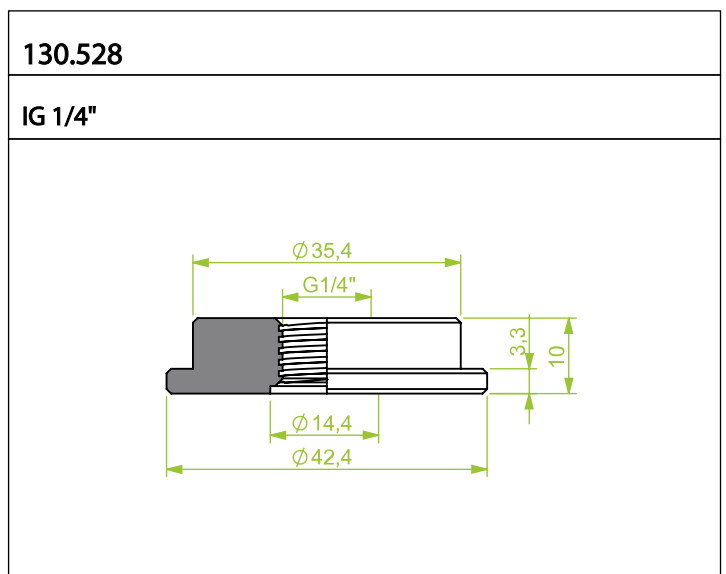
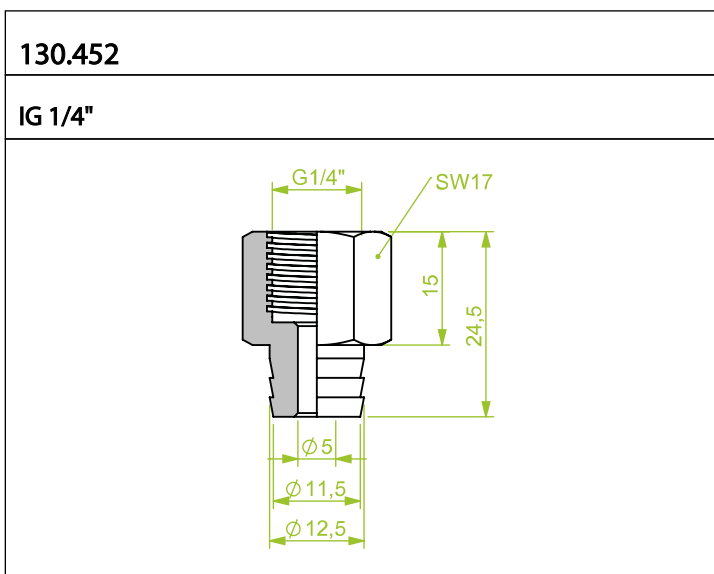
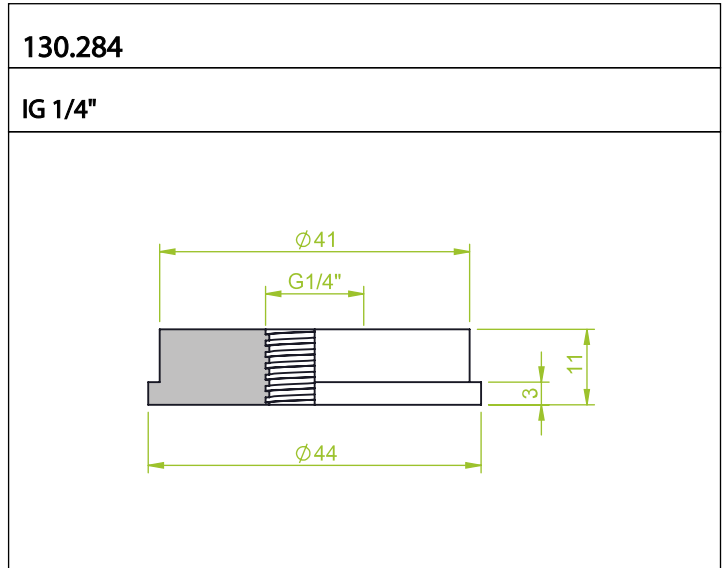
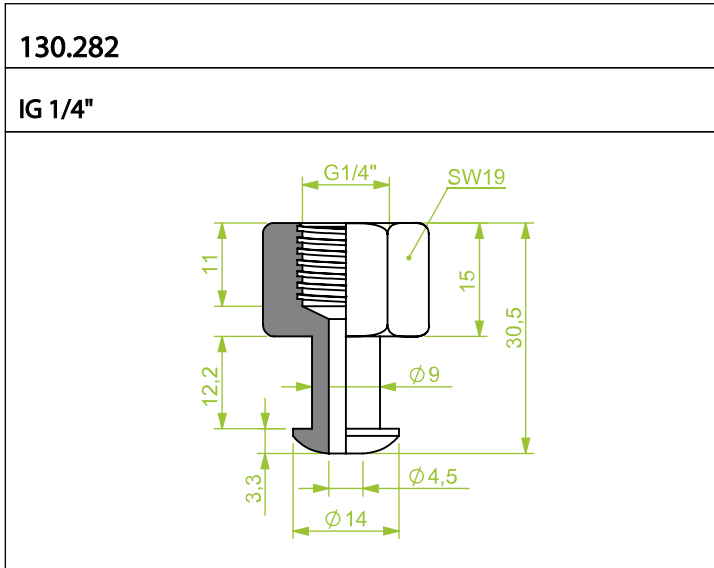
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**130.586**

**IG 1/4"**

Technical drawing of fitting 130.586. The front view shows a rectangular plate with a central circular hole. Dimensions include a total width of 80, an inner width of 75, and a hole diameter of 67. The total height is 30, with a hole offset of 15 from the top edge and a distance of 25 from the bottom edge. The side view shows a thickness of 3, a mounting flange with a height of 4.5 and a width of 1.8, and a threaded section with a diameter of G1/4".

**130.587**

**IG 1/4"**

Technical drawing of fitting 130.587. The front view shows a rectangular plate with a central circular hole. Dimensions include a total width of 80, an inner width of 75, and a hole diameter of 67. The total height is 27, with a hole offset of 9 from the top edge and a distance of 17 from the bottom edge. The side view shows a thickness of 3, a mounting flange with a height of 4.5 and a width of 1.8, and a threaded section with a diameter of G1/4".

**130.588**

**IG 1/4"**

Technical drawing of fitting 130.588. The front view shows a rectangular plate with a central circular hole. Dimensions include a total width of 80, an inner width of 75, and a hole diameter of 67. The total height is 40, with a hole offset of 27 from the top edge and a distance of 35 from the bottom edge. The side view shows a thickness of 3, a mounting flange with a height of 4.5 and a width of 1.8, and a threaded section with a diameter of G1/4".

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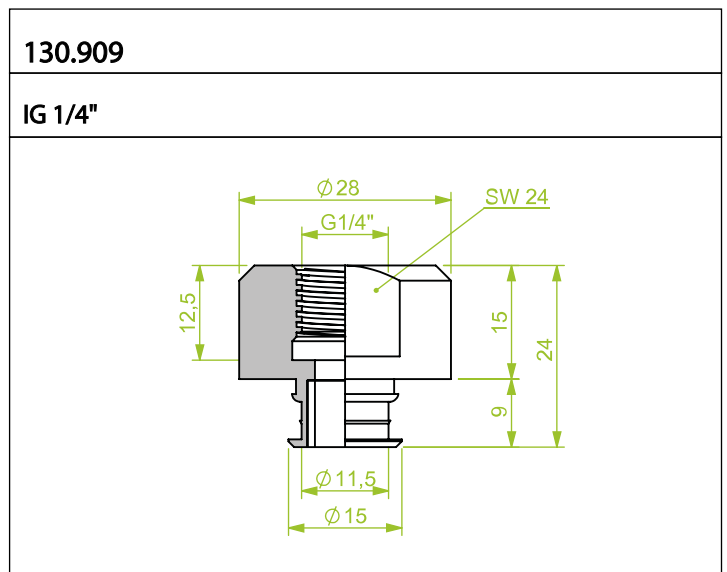
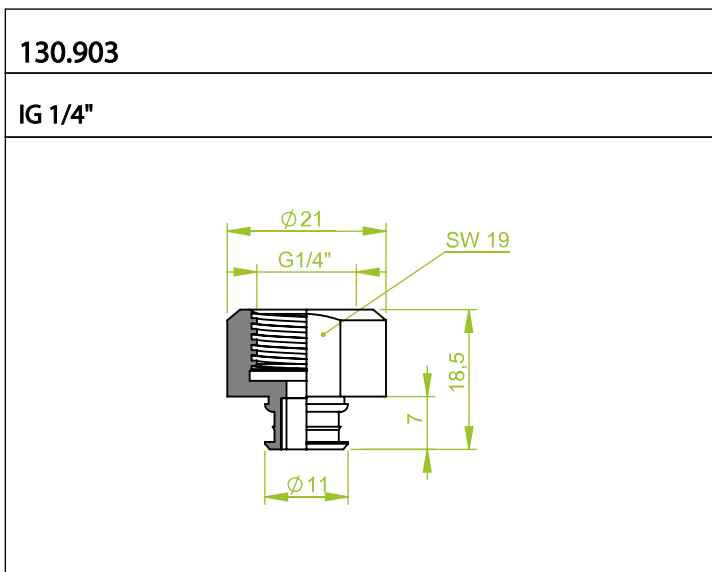
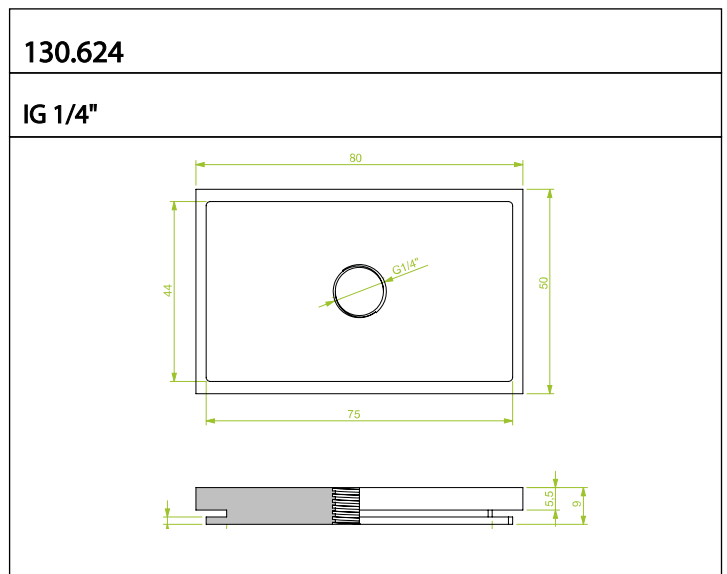
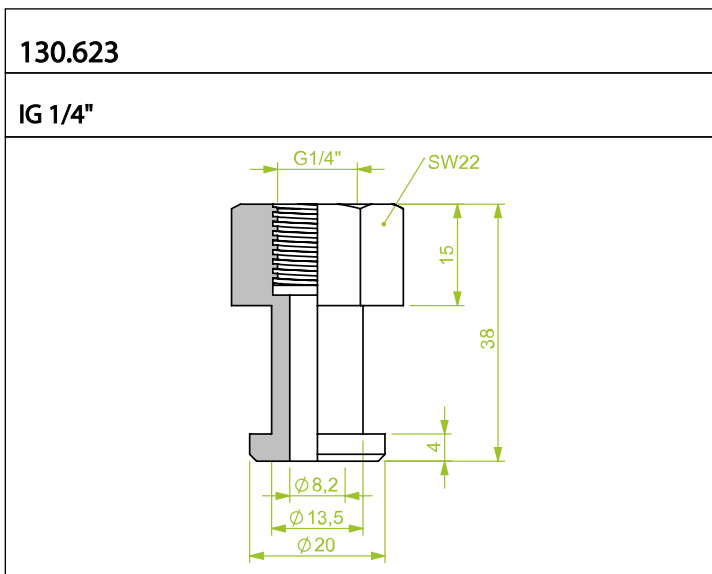
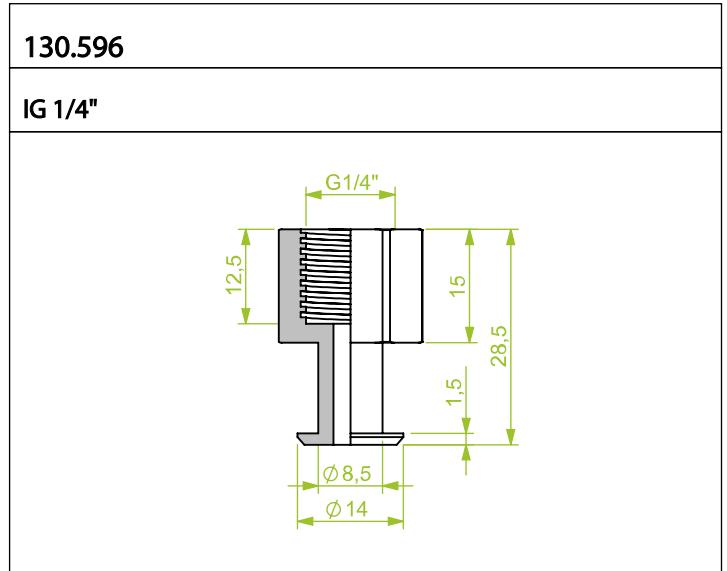
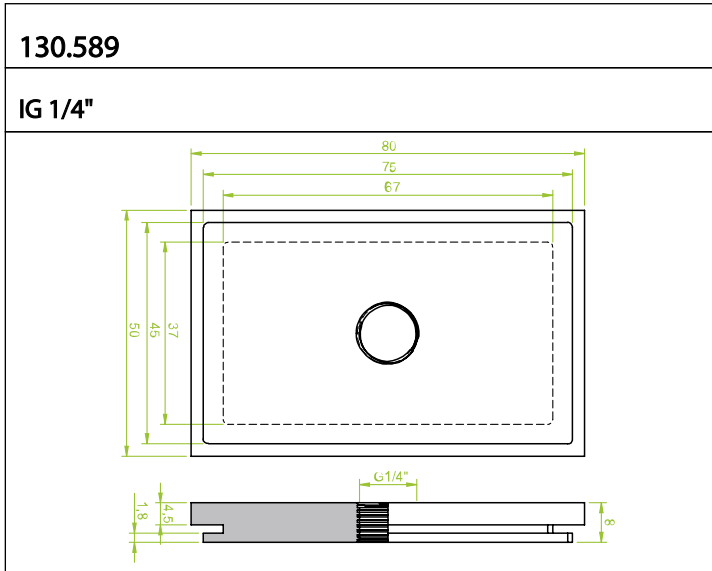
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139.264
IG 1/4"

130.161
IG 3/8"

130.228
IG 3/8"

130.402
IG 3/8"

130.404
IG 3/8"

130.595
IG 3/8"

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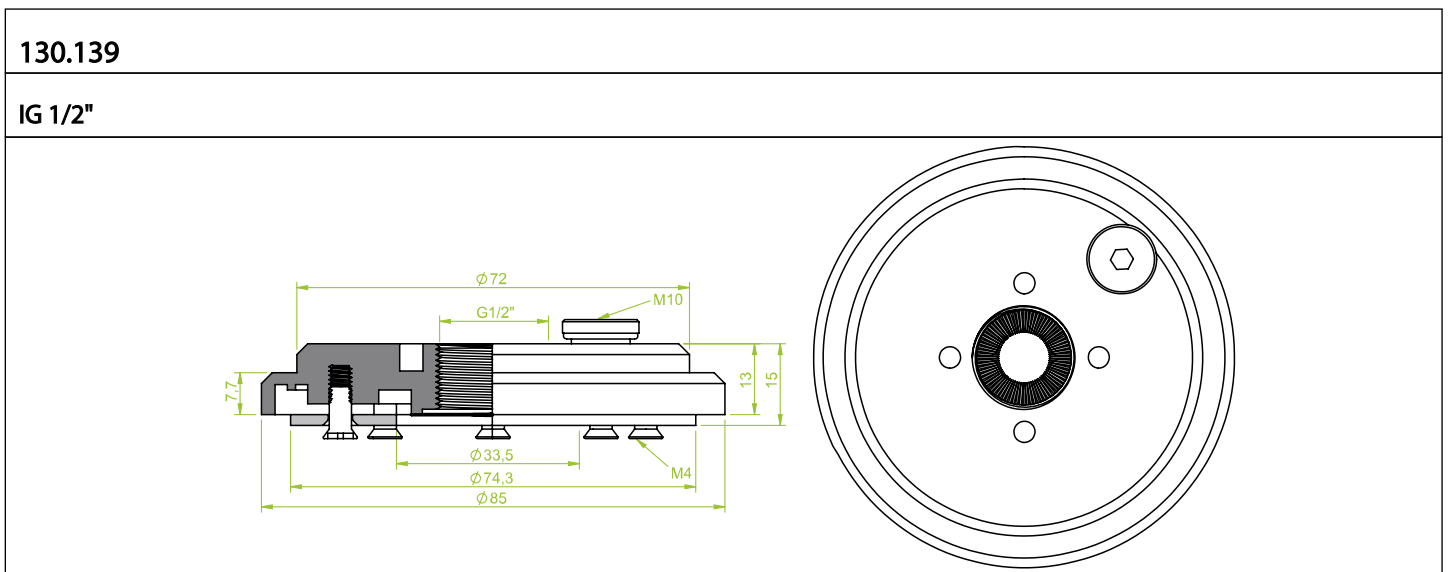
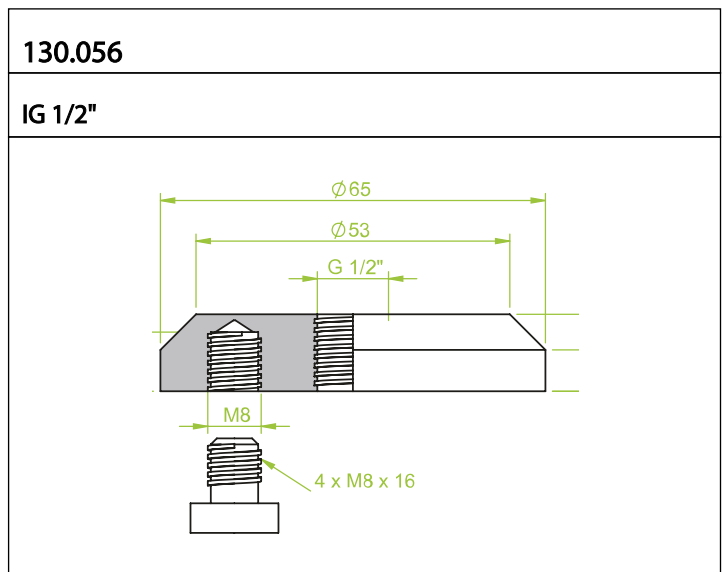
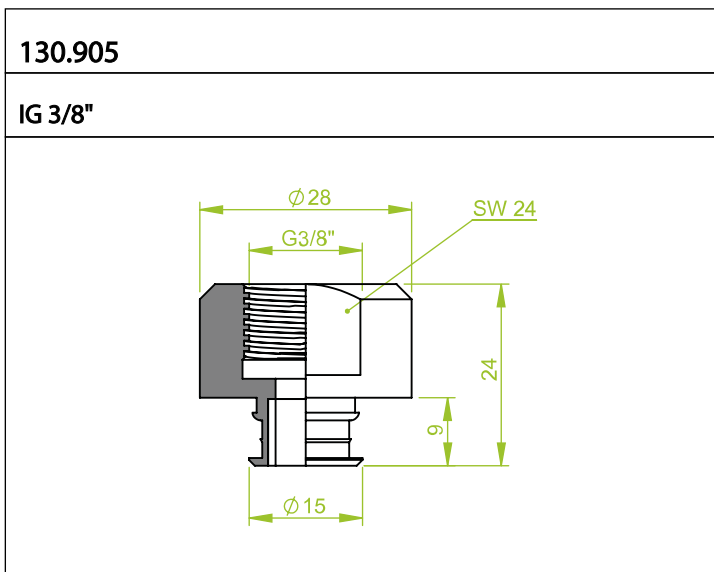
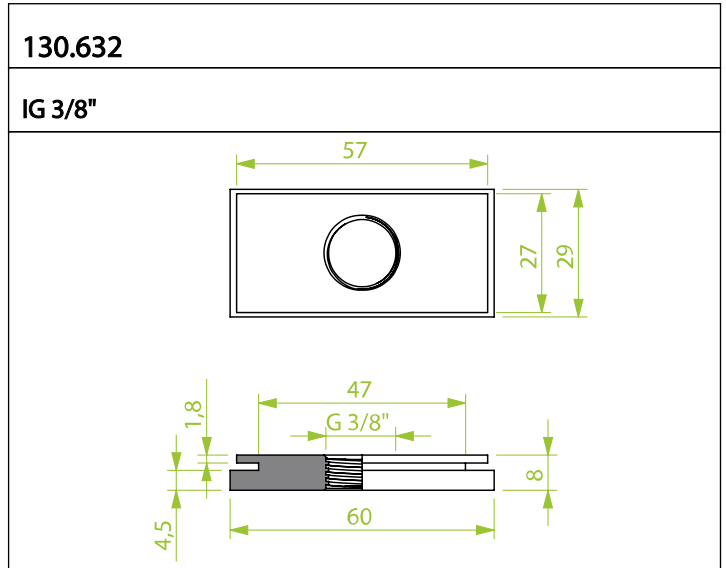
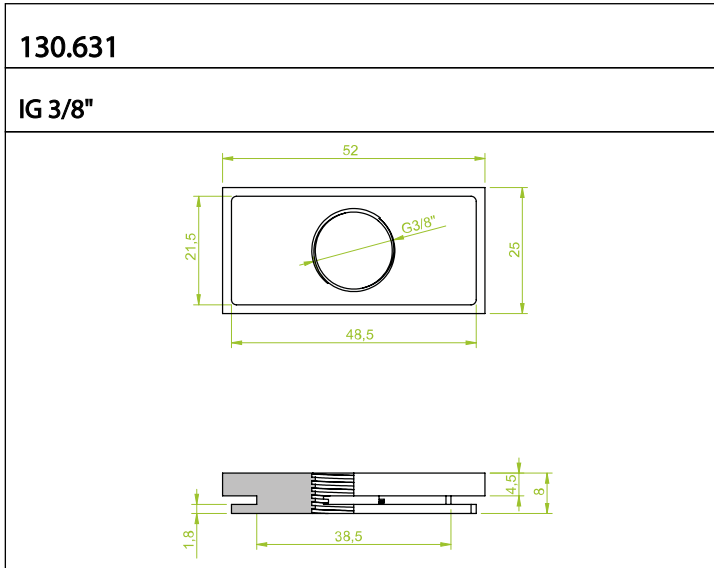
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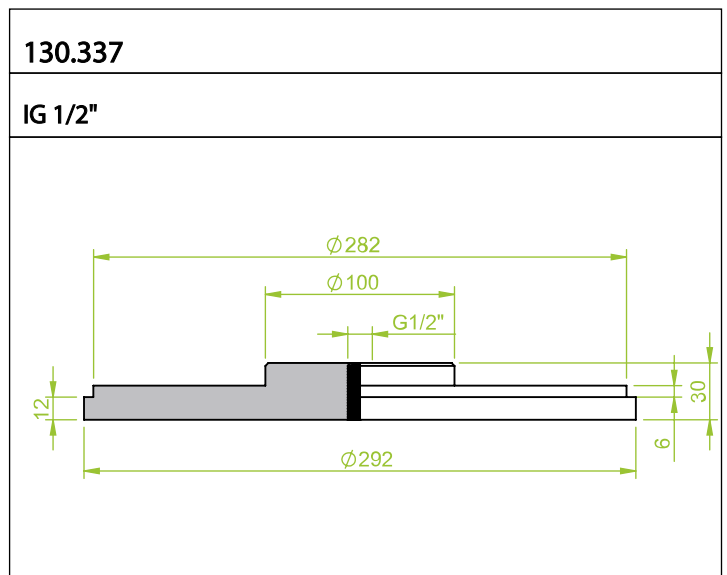
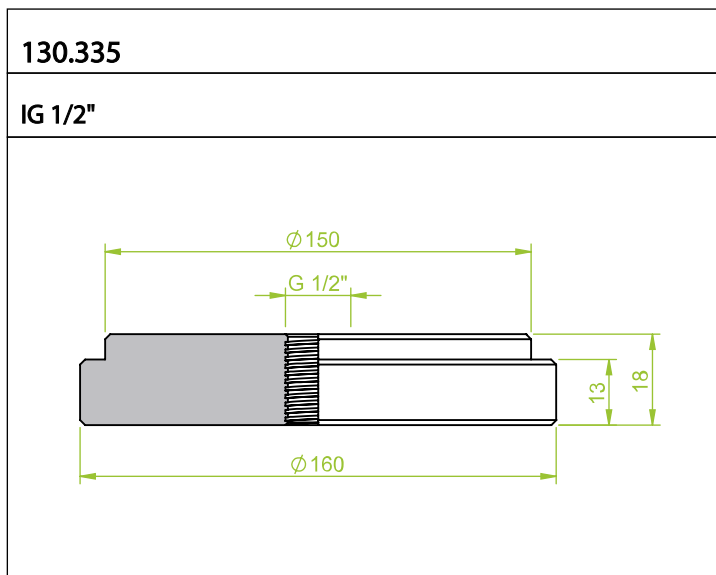
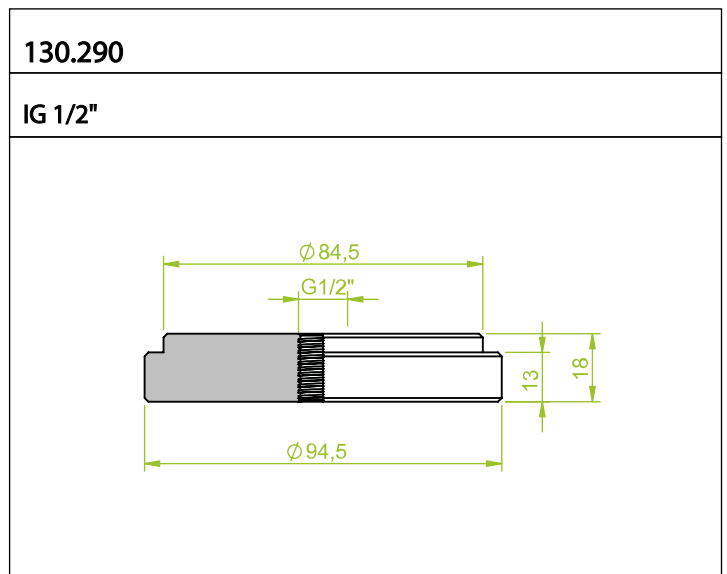
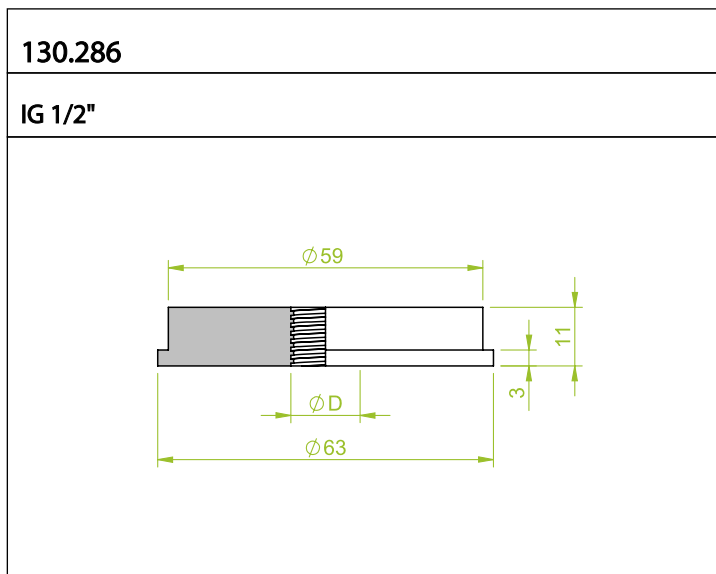
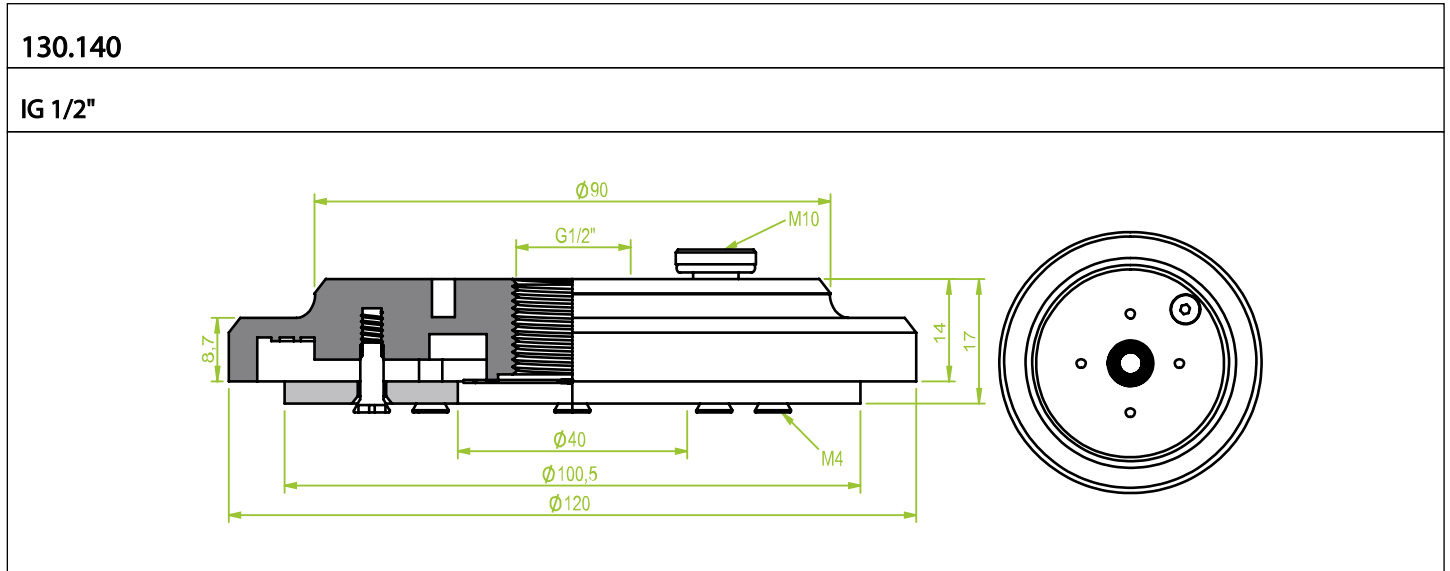


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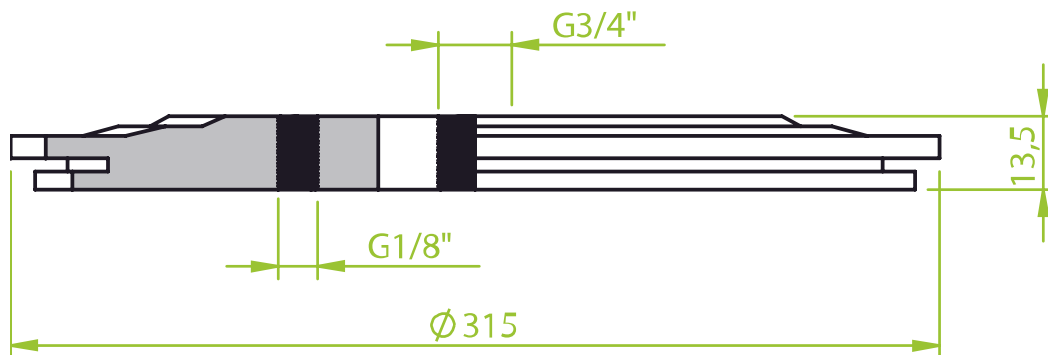
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130.076

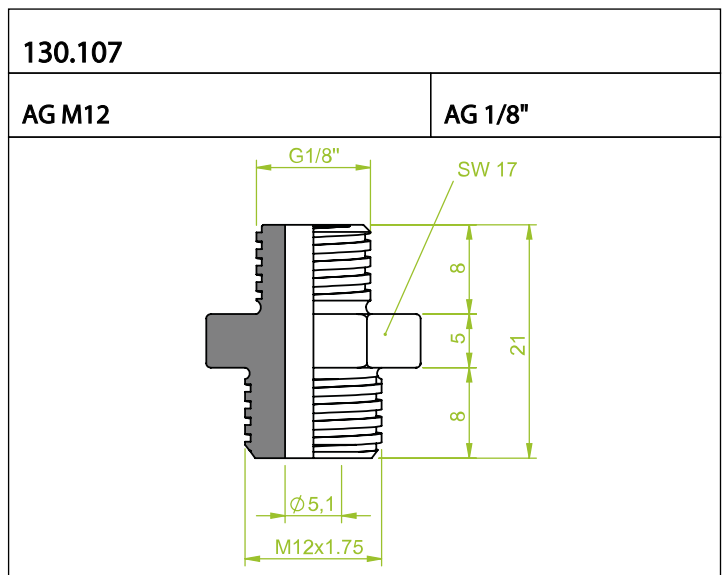
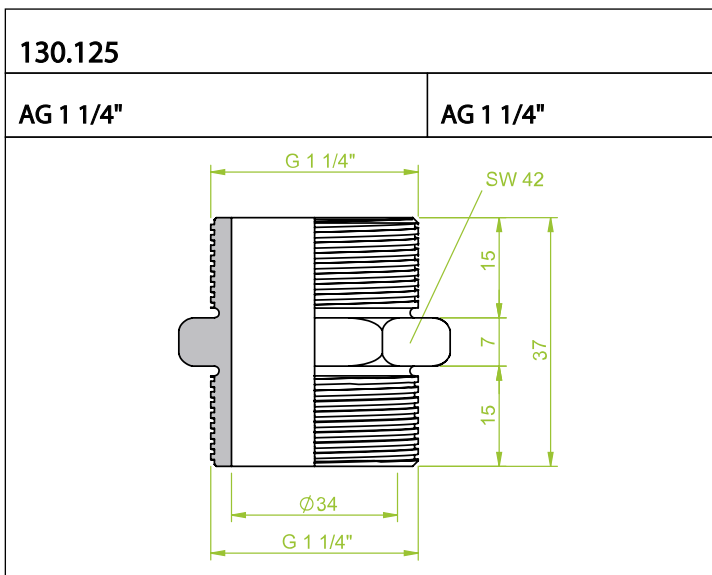
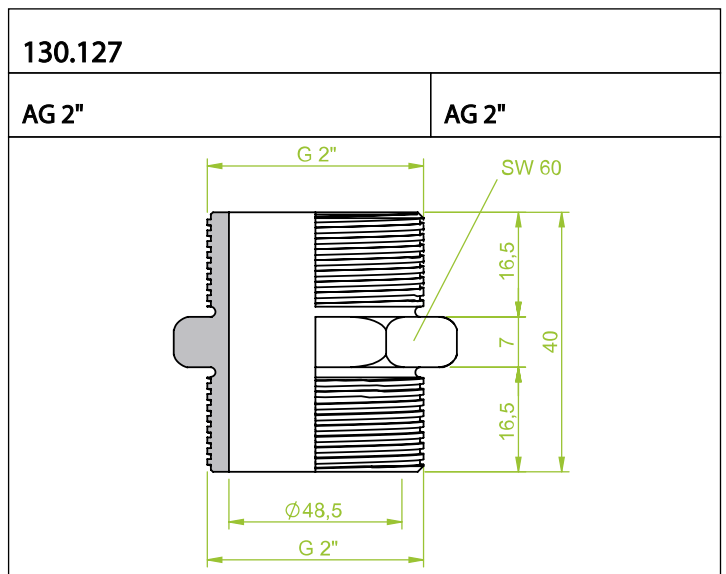
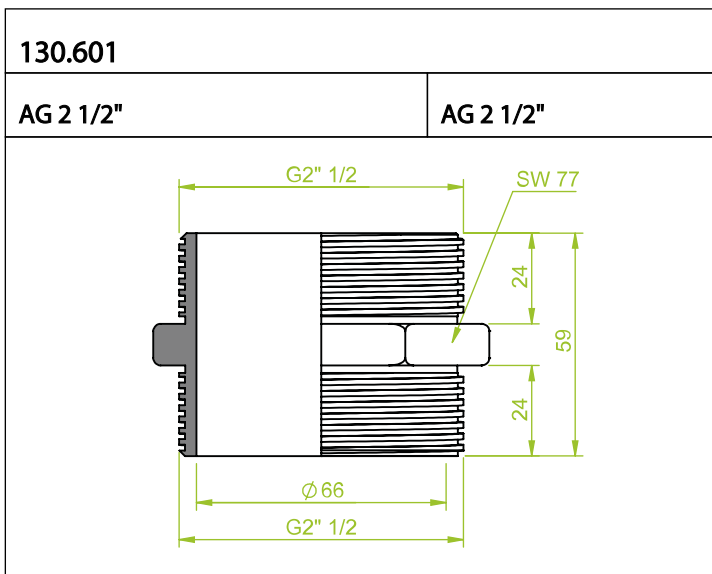
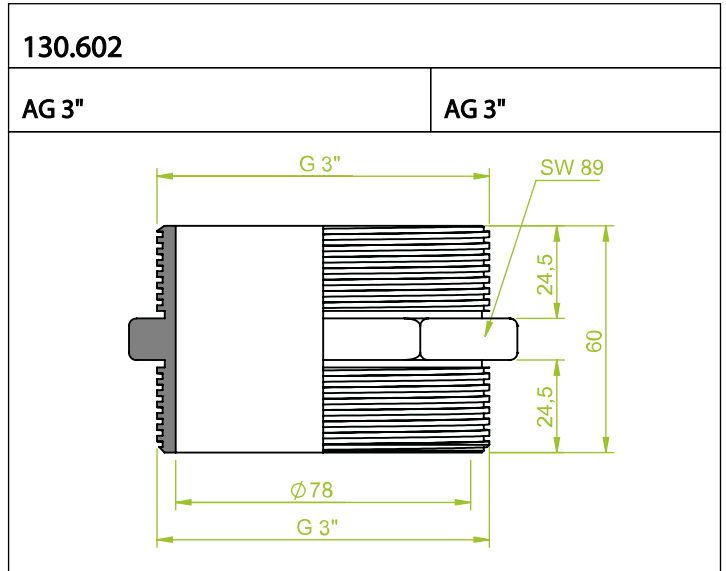
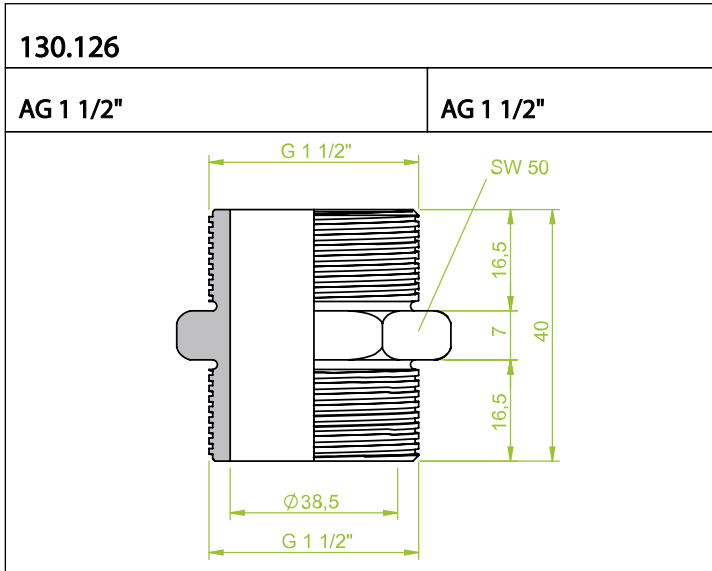
IG 3/4"



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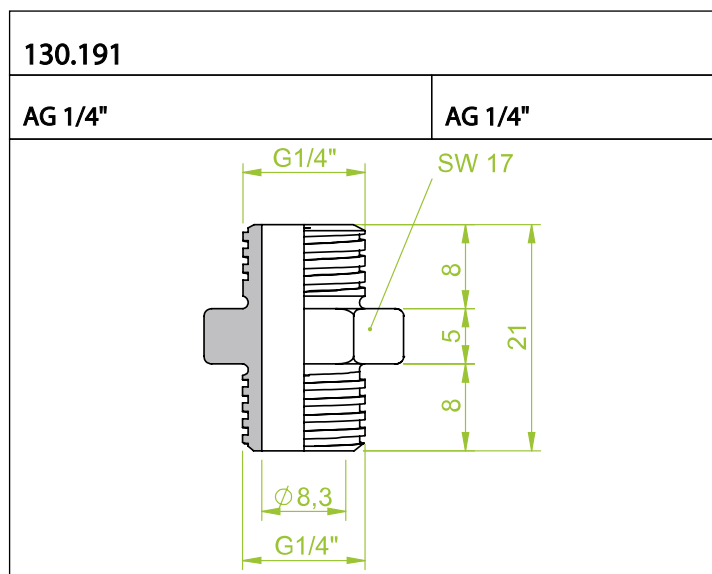
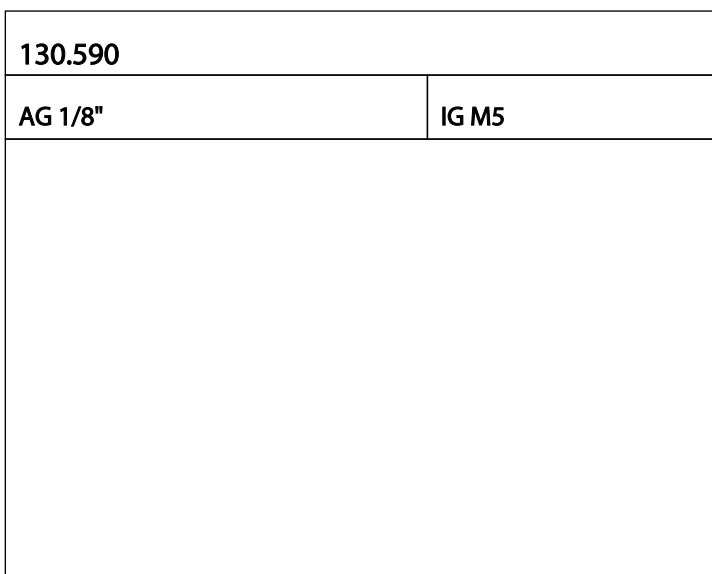
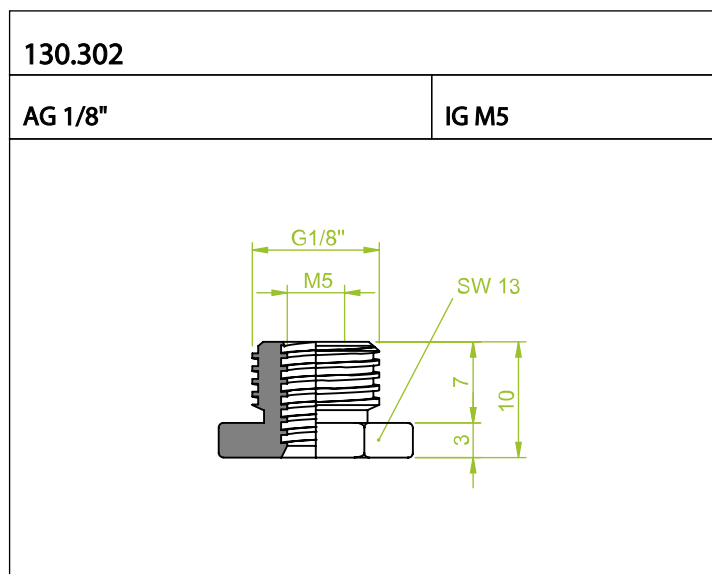
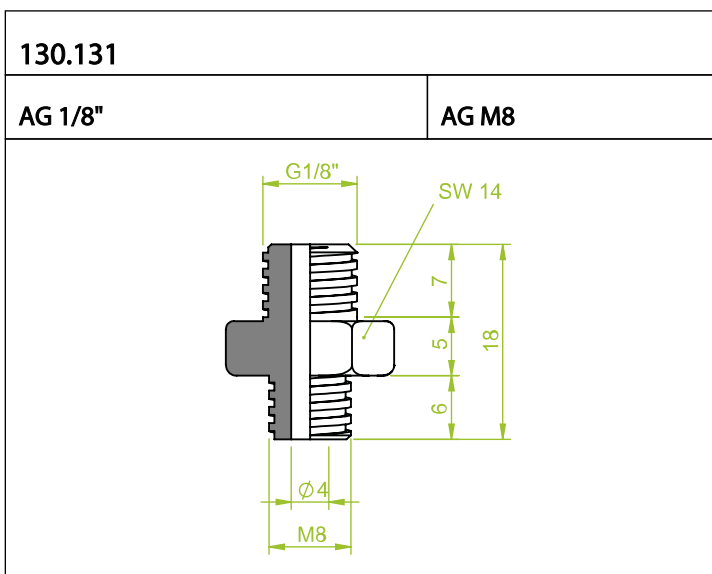
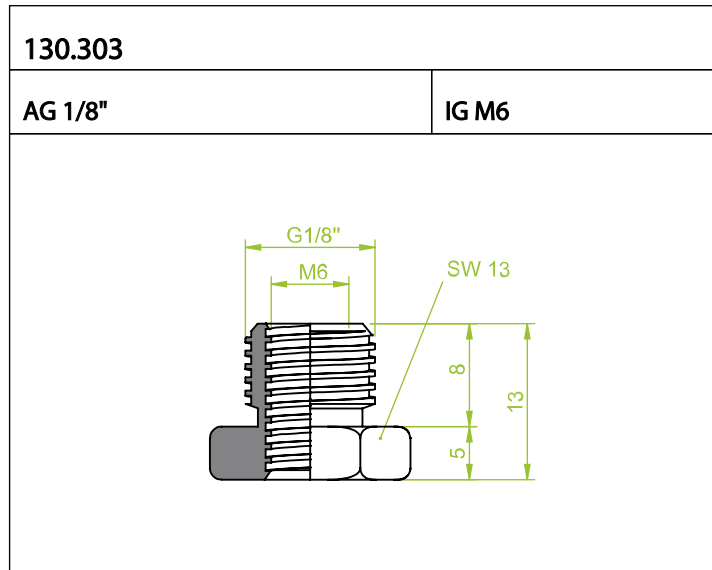
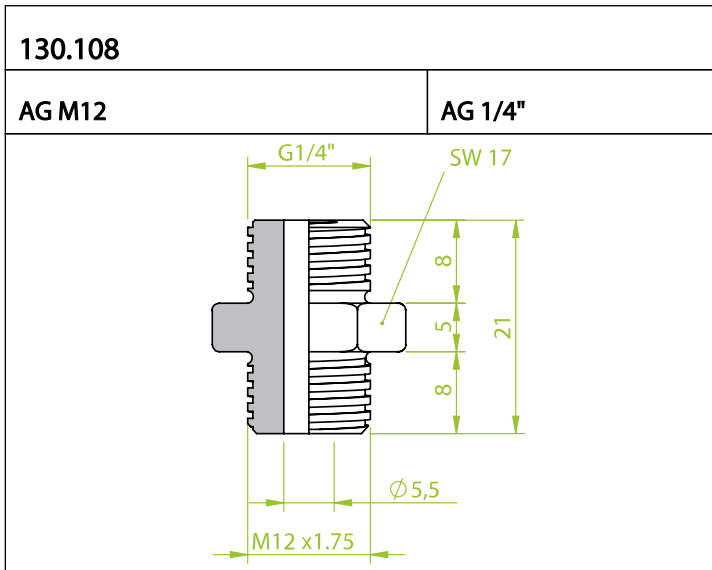
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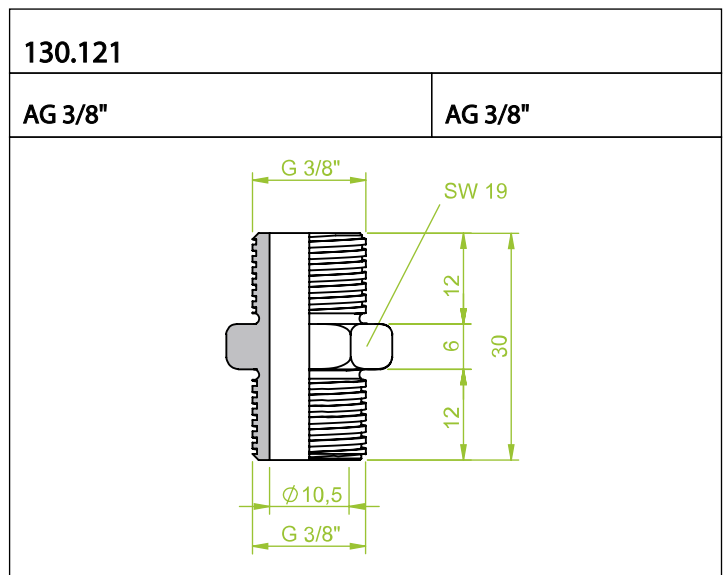
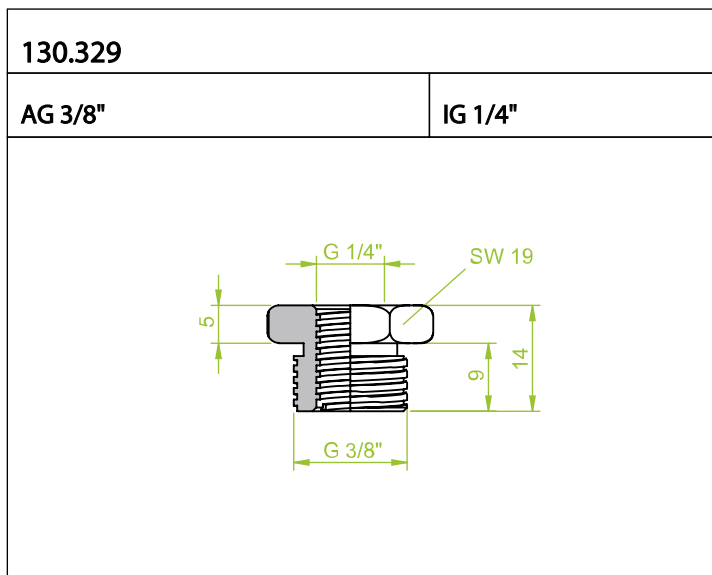
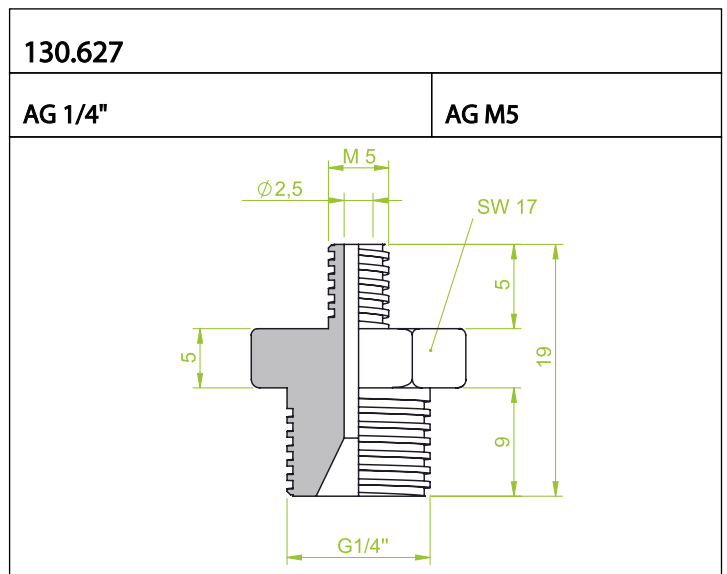
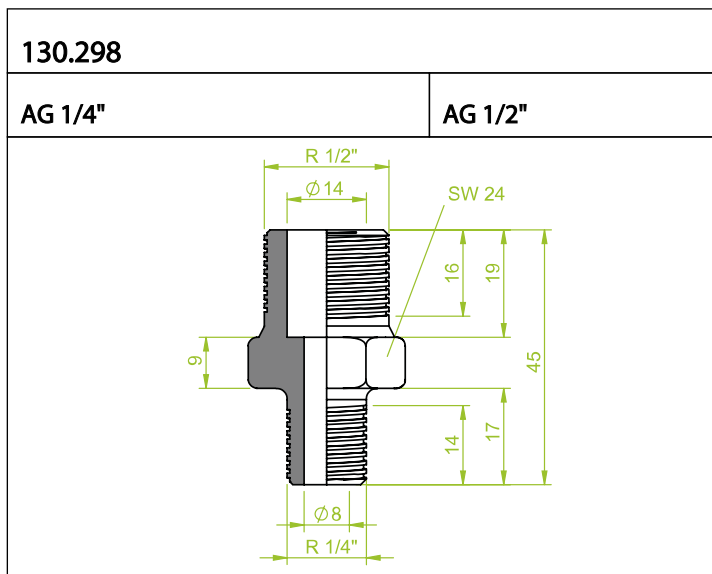
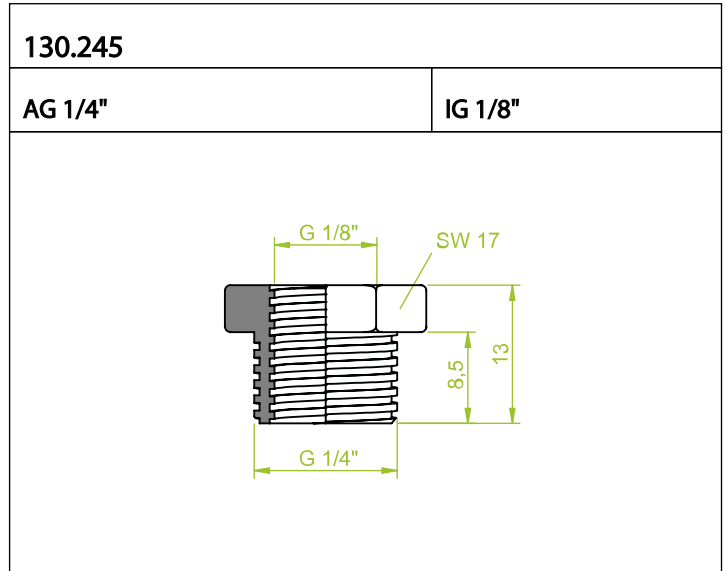
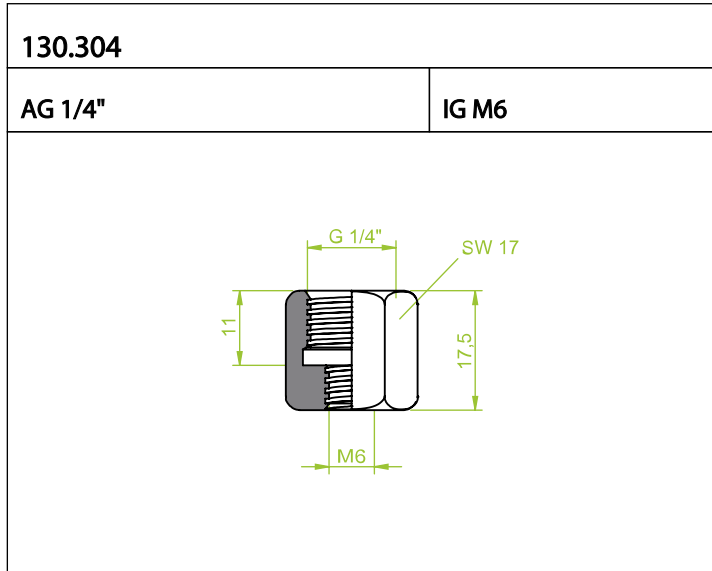
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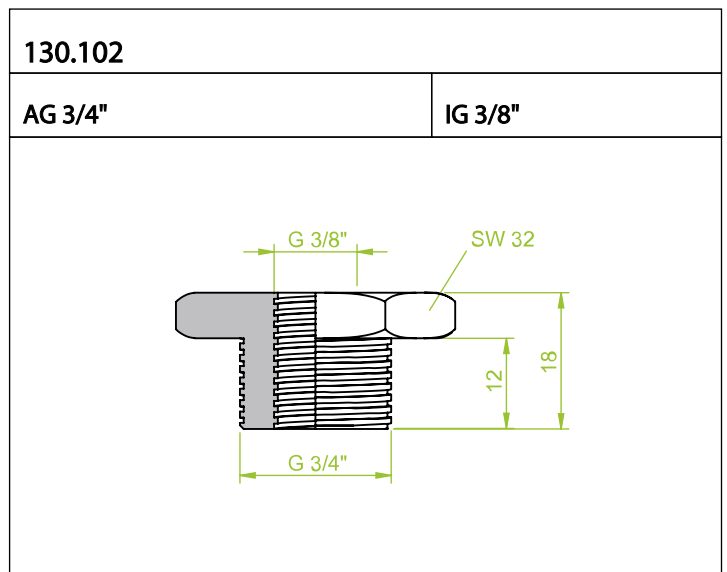
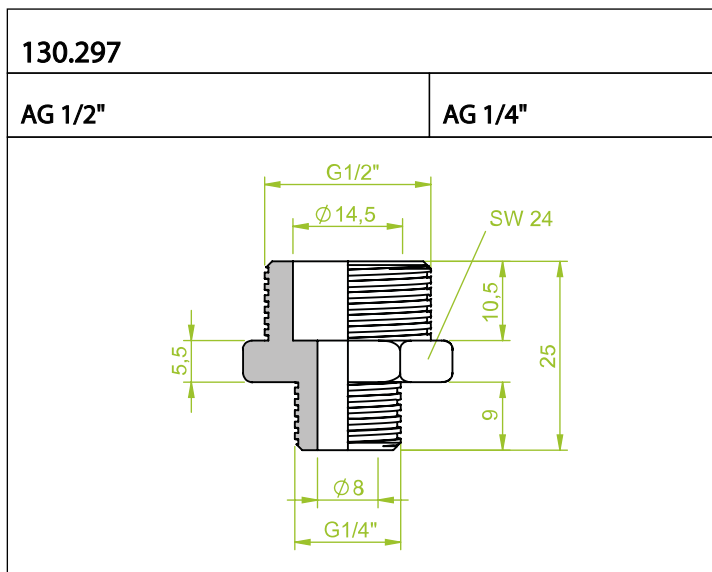
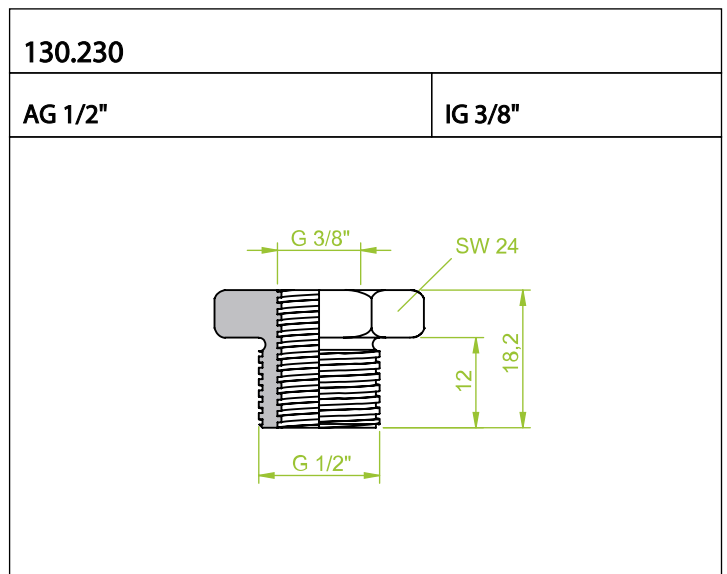
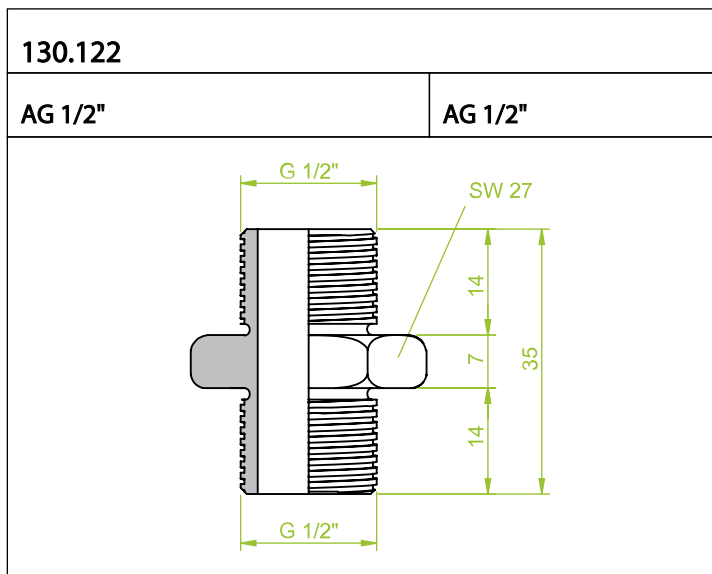
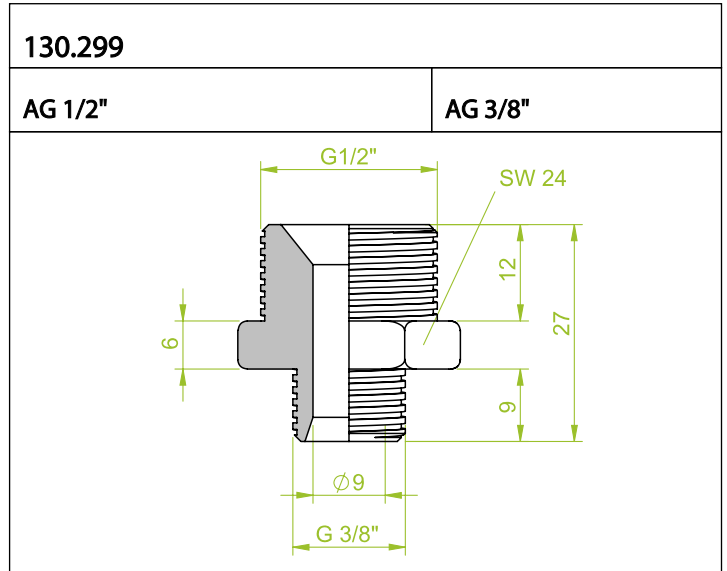
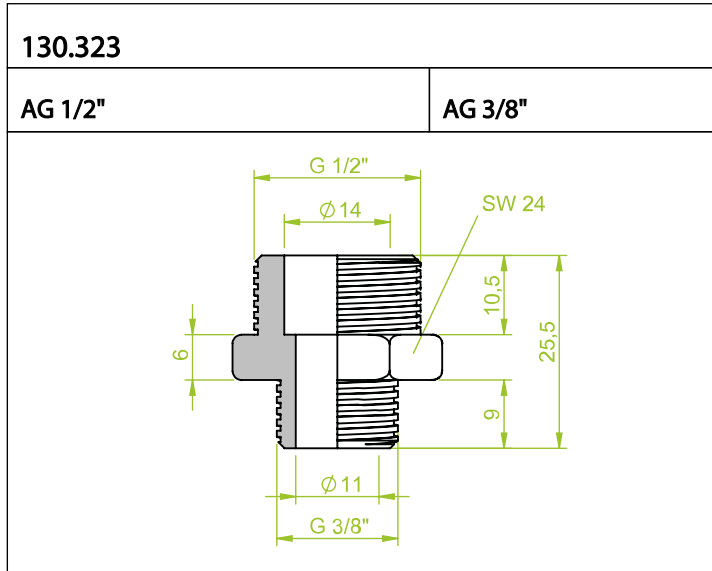
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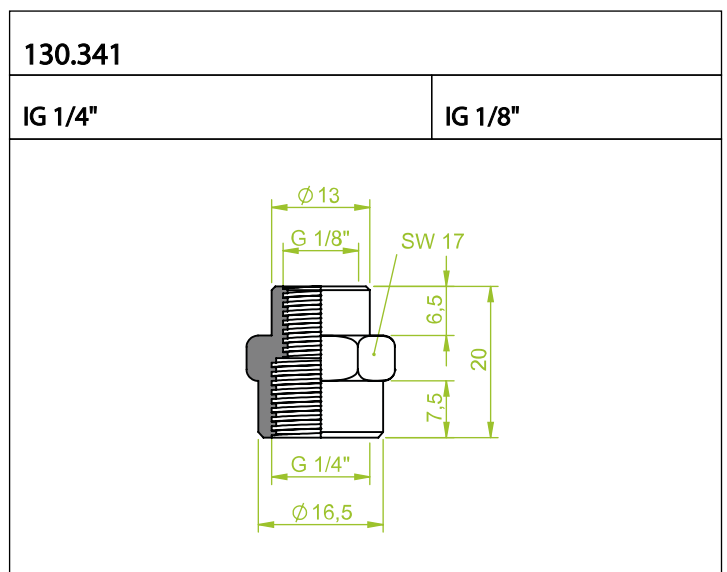
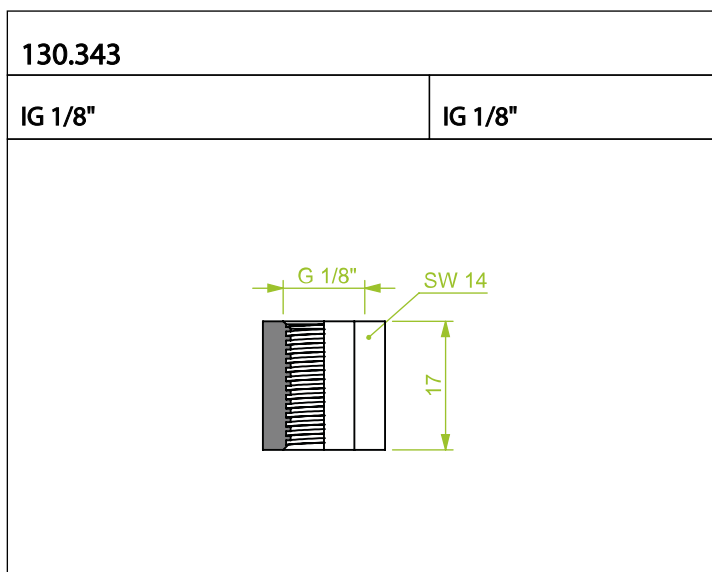
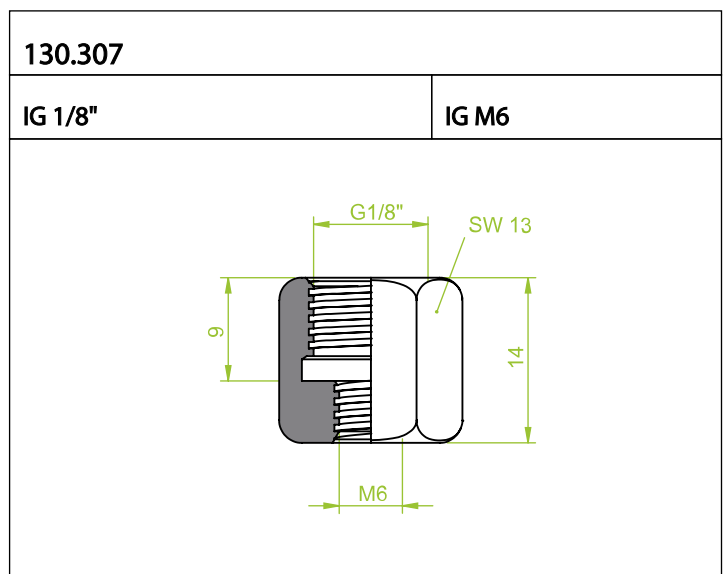
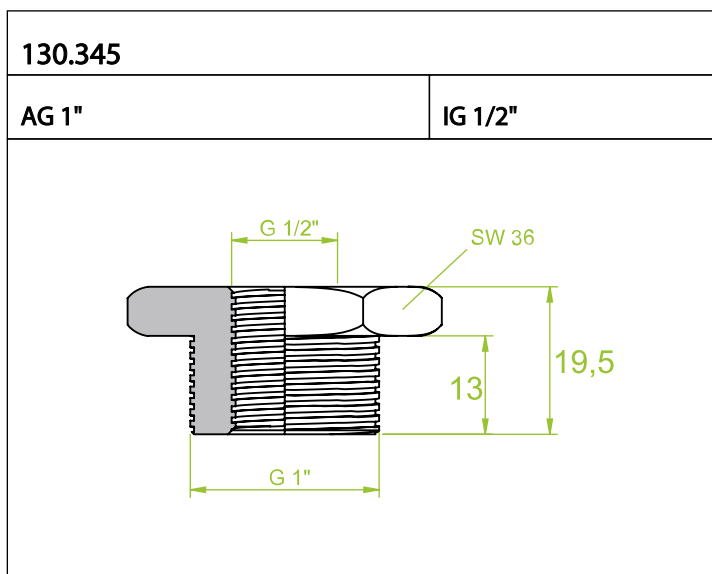
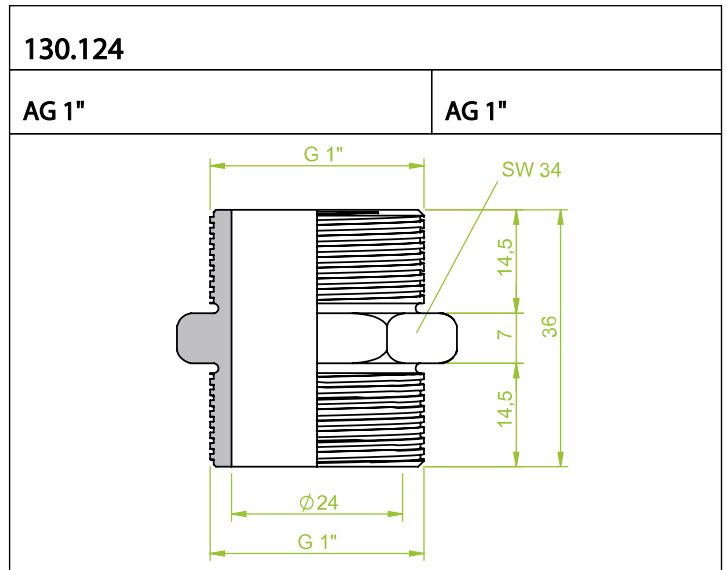
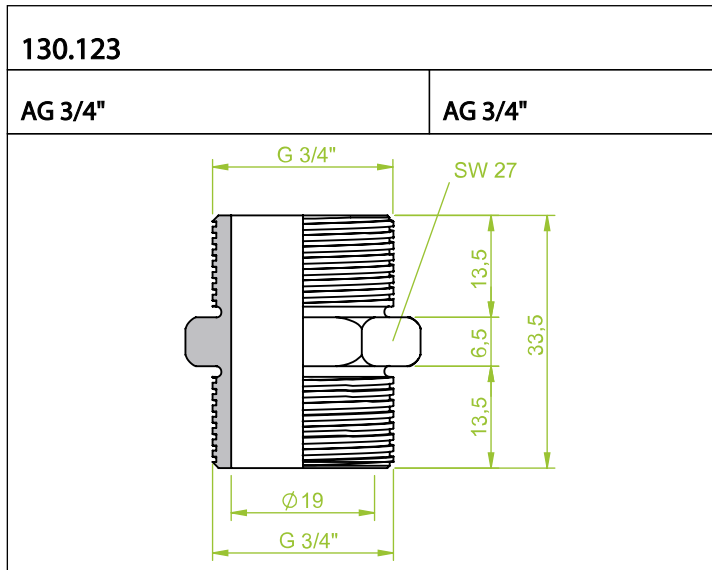
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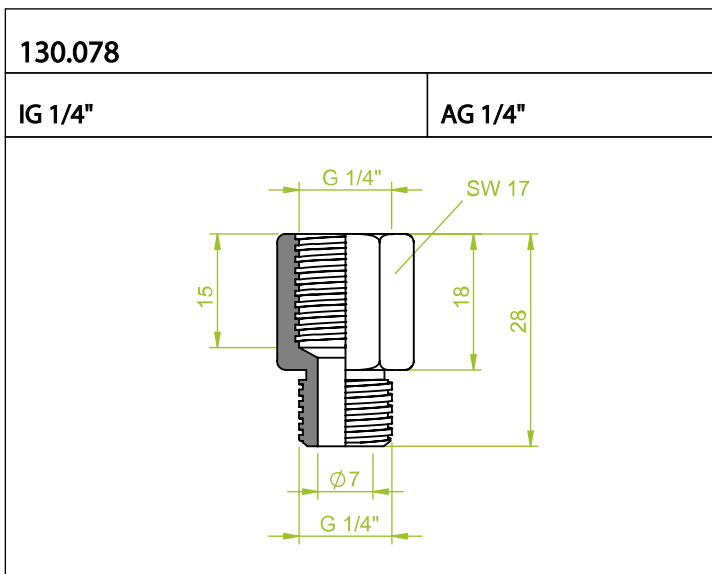
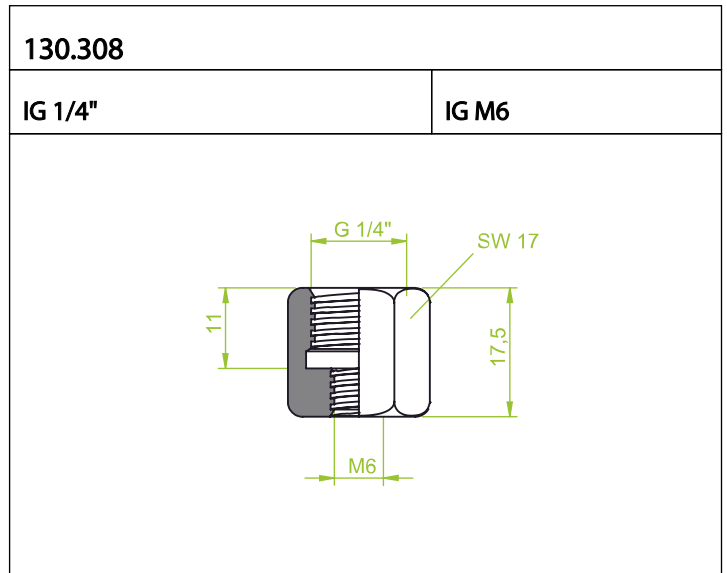
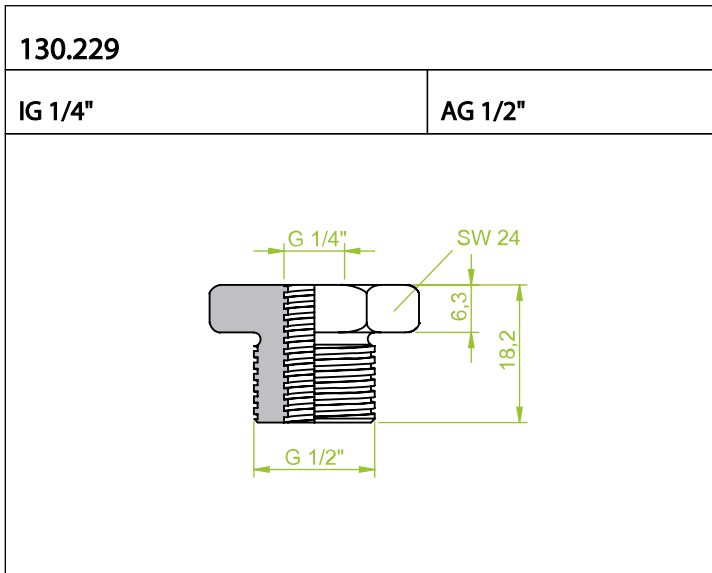
\* **AG = Außengewinde | Male thread**

**IG = Innengewinde | Female thread**



**\* AG = Außengewinde | Male thread**

**IG = Innengewinde | Female thread**



\* **AG = Außengewinde | Male thread**

**IG = Innengewinde | Female thread**



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240.040.004	294	223.050.001	305	210.075.128	315
240.040.021	294	223.050.009	305	211.075.006	316
240.040.022	294	240.050.005	305	213.075.038	316
241.040.003	295	241.050.004	305	214.075.016	316
241.040.007	295	241.050.008	306	210.078.131	317
250.040.010	295	210.052.032	306	211.078.016	317
210.041.108	295	210.052.125	306	213.078.007	317
240.041.031	296	210.052.129	306	215.080.003	318
210.042.020	296	211.052.005	307	210.082.133	318
210.042.123	296	211.052.013	307	243.084.002	319
210.042.124	296	212.052.013	307	213.085.006	319
211.042.004	297	220.052.085	307	213.085.009	319
211.042.012	297	210.053.017	308	213.085.016	320
210.043.005	297	212.053.009	308	214.085.002	320
211.043.014	297	214.055.015	308	222.085.010	321
212.043.005	298	210.056.127	308	223.085.007	321
220.043.004	298	240.058.025	309	224.085.001	321
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210.044.121	298	210.060.130	309	214.100.017	322
213.044.008	299	211.060.012	309	210.110.034	322
214.044.001	299	211.060.015	310	211.110.007	322
220.045.103	299	212.060.004	310	210.115.047	322
210.046.174	299	220.060.026	310	211.115.017	323
220.048.095	300	220.060.037	310	213.115.033	323
210.050.032	300	220.060.086	311	214.125.018	324
210.050.039	300	220.060.087	311	210.150.035	324
210.050.057	300	220.060.100	311	211.150.008	325
210.050.115	301	220.060.131	311	210.155.048	325
210.050.116	301	221.060.010	312	213.200.022	326
210.050.117	301	221.060.026	312	215.200.007	326
210.050.118	301	222.060.006	312	210.210.135	327
210.050.119	302	220.062.035	312	30.004002.002	329
210.050.221	302	221.062.002	313	30.004002.003	329
210.050.804	302	222.062.009	313	30.007004.004	329

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30.018006.018	334	31.055012.005	347	33.200030.021	363
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30.030005.014	339	35.100030.055	353	35.300040.038	371
32.030005.014	340	35.100030.056	353	33.300055.029	371
30.030006.015	340	33.100032.006	354	35.300055.006	372
32.030006.015	341	33.100032.007	354	35.300055.035	372
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32.030008.016	342	30.100035.064	355	30.300080.051	373
30.030010.020	342	33.100050.104	355	31.300080.010	374
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31.030012.003	343	35.100055.054	355	35.300120.040	375
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30.040012.043	343	33.116027.024	356	30.300150.052	375



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35.370070.042	376	80.044	398	80.532	409
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35.430180.003	377	80.050	399	80.534	410
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35.470060.044	379	80.055	400	130.014	411
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40.025015.010	383	80.096	401	130.001	412
40.035028.017	383	80.097	401	130.010	412
40.043015.018	383	80.098	402	130.013	412
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40.045028.019	384	80.104	402	130.023	412
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40.080040.001	388	80.127	405	130.300	414
43.080040.102	388	80.128	405	130.301	414
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43.097055.001	389	80.130	406	130.311	415
43.100050.103	389	80.131	406	130.317	415
43.140070.104	390	80.138	406	130.373	415
45.205082.003	390	80.149	406	130.436	415
45.350100.006	391	80.150	407	130.536	415
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80.013	398	80.526	408	130.604	416
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130.105	418	130.507	425	130.204	432
130.312	418	130.510	425	130.207	433
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130.340	419	130.539	426	130.249	433
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