

# PERKEO®

**Qualitätswerkzeuge für  
Löt- und Schweißtechnik**

**Quality tools for the soldering  
and welding technology**

**Catalogue for the craft trade and industry**

**Katalog für Fachhandel und Industrie**

**[www.perkeo-werk.de](http://www.perkeo-werk.de)**

## PERKEO – where highest customer satisfaction comes first

Since the founding of the company in 1919 PERKEO has equally focused its activities on a discerning customer service, products of the highest quality and ongoing product innovations. Concentrating on these three core tasks, it was possible within just a few years to firmly establish the **PERKEO** label on the market as a top quality brand product of worldwide acclaim, and this success has continued up to the present day.



With the current market situation these three core objectives are more important than ever for

and standards as well as by the DIN EN ISO 9000ff. Constant in-house testing and operational checks, from the development stage up to final assembly, confirm our observance of all quality requirements. We naturally request the same level of performance from our suppliers. We would now like to present our latest item from the product innovation sector, the **PERKEO** soldering backpack: this is a lightweight and re-chargeable oxy-propane brazing unit designed to meet the technical requirements for fast on-site application.



our team. We are able to meet demanding customer service requirements with fast and simple order handling, extreme flexibility and the capacity to perform at all times, also when it comes to replacement parts and accessories. Put us to the test when the going gets tough!

### **Products of the highest quality!**

We consider the constant assurance of this high level of quality as the basis for trading partner and user satisfaction. This goal is accomplished through our quality management which is guided by all conventional quality regulations

The practice-oriented development of this innovation was made possible on the basis of constructive cooperation between craftsmen working in different fields, from the basic idea right through to the prototype. We are therefore able to guarantee users right from the start that the top quality products from **PERKEO** are designed to perfectly suit the intended use.



## PERKEO – Products that have always been at home in a global environment

Exports already played a major role during the first years of company operation. Today **PERKEO** is represented in the following countries:

Albania, Australia, Austria, Belgium, Bosnia-Herzegovina, Brazil, Bulgaria, Canada, Croatia, Czech Republic, Denmark, Egypt, Great Britain, Greece, Hungary, Italy, Japan, Jordan, Kosovo, Kuwait, Macedonia, Malaysia, Namibia, The Netherlands, New Zealand, Norway, Poland, Rumania, Russia, Serbia, Singapore, Slovakia, Slovenia, Sweden, Switzerland, Ukraine, USA.



## PERKEO – Professional and reliable tools for the craft trade and industry

**PERKEO** products are applied in many different industrial and craft trade sectors. In the industrial sector the bandwidth extends from the smallest of machine-type torches for series production up to large hand-held fusion torches for heating heavy metal components. The individual sectors in the craft trade are listed separately later on in chapter overviews. The following reference list therefore only contains well known industrial sectors from across the globe and familiar institutes from the public sector:

ABX LOGISTICS ehem. BAHNTRANS GmbH, ALCAN SINGEN GMBH, Airbus Deutschland, Alku-GmbH, Amberger Kaolinwerke, Bayer AG, BayWa , BERU AG , BIG-Spielwarenfabrik, Bildungszentren des Bauhandwerks, BMW, BÖHRINGER Mannheim GmbH, BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH, Bundeswehr, Coca-Cola, Continental , ContiTech, Cooper, Daimler AG, Deutsche Bahn, Deutsche Post, RAG Deutsche Steinkohle AG, Deutsche

Gesellschaft für Internationale Bildungszusammenarbeit, Deutsche Telekom, Deutsches Zentrum für Luft und Raumfahrt, Div. Feuerwehren, Div. Forschungsanstalten (Max-Planck-Institute), Div. Stadtverwaltungen, Div. Stadtwerke, DUNLOP, E.ON AG ehem. Preussen Elektra, EnBW AG ehem. EVS, Evonik Degussa GmbH, FERRERO OHGMBH, Franklin Electric Europa GmbH, FERMO AG, hansgrohe, HANSA Metallwerke, HEINKEL, Henkel, Heraeus Quarzglas GmbH, GROHE ehem. Herzberger Armaturen GmbH, Hollingsworth&Vose, INTERGLAS TECHNOLOGIES AG, Intier Automotive Näher GmbH, ITT Automotive Europa, KME, K+S Kali GmbH, K+S Salz GmbH, Hüttenwerke Krupp Mannesmann, KUKA ehem. IWKA, LINCOLN ELECTRIC, LINDE, L'ORÉAL PARIS, Mahle International, Mast-Jägermeister AG, MANNESMANN RÖHRENWERKE,



**PERKEO** High performance roofing torch – maximum performance with low gas consumption



The **PERKEO** Soldering backpack – TÜV-tested and secured for transportation in compliance with DIN-EN 962

Neckarwerke Stuttgart, Nestlé, Opel, PIRELLI, PORSCHE, PRYSMIAN Kabel u. Systeme GmbH, RHEINZINK GmbH+Co.KG, Robert Bosch GmbH, RWE, SALAMANDER, SALZGITTER AG, SATURNBLEI (Gütegemeinschaft Bleihalbzeuge e.V.), SIEMENS, STRABAG, STIEBEL ELTRON, Thüga AG, ThyssenKrupp Nirosta, Trilux GmbH+Co.KG, Tycho Electronics Raychem GmbH, Vaillant GmbH, Vattenfall Europe AG, VW, Westfalia, WIKA, WMF AG, WZG

## PERKEO merchandising for the specialist trade

We maintain a large volume of advertising media for our specialist traders. From designated product flyers and special catalogues providing product presentation support, right through to merchandising goods such as T-shirts, baseball caps, ballpoint pens, lighters etc. Ask our field sales team on site, visit us at the next trade fair or call us direct on **+49 7150 35043-0**.

**We will be happy to advise you!**



## PERKEO field sales in Germany

Our field sales network comprehensively spans the Federal Republic of Germany, so that you can be confident you will receive fast and comprehensive advice from one of our dependable employees in your area. On request we present our products to you on your premises, with no obligation. Allow yourself to be impressed by the quality and functionality of our tools within the framework of a detailed presentation. Give us a call on **+49 7150 350430** to obtain the contact details for your specific contact partner.





## PERKEO – or how a company acquired the name of a dwarf

**PERKEO** was the name of the court jester and dwarf serving under the Elector of the Palatinate, Karl III Philipp, in the 18th century. The little fellow first saw light around 1702 and was baptized with the name Clemens. At sixteen he was appointed court jester by Karl Philipp. The Elector, who enjoyed the pleasures of a good wine, was impressed by the way the young Clemens was able to hold his liquor. Today there is still a barrel housed in Heidelberg castle, which holds 221,726 liters. When asked by his employer and master the Elector whether he would dare drink the entire contents of the

barrel, Clemens, who was just over three feet tall, replied cheekily and brazen-faced: „Perchè no?“ – why not? Clemens often used this expression which became commonly used in the local tongue of the Palatinate. Thereinafter he was called **PERKEO**. A drinking song written by Josef Viktor von Scheffel described **PERKEO** with the following words:

“... And there was the dwarf **PERKEO** that housed in Heidelberg’s castle, small and wee in growth was he; his thirst, however, momentous“. This depiction, which was to be an

apt description of the young company’s acetylene generator, prompted the company founder, Hermann Stahl, to give the company the name **PERKEO**, whereupon he adapted the phrase “... small and wee in growth; but its performance is momentous.“ This laid the cornerstone for the development of portable and wheeled small-size oxy-gas welding, cutting and brazing equipment and systems.



# Nine decades of entrepreneurial activity in key

**1919**

Foundation of the company in Stuttgart by the proprietor Hermann Stahl for manufacturing soldering, welding and cutting equipment.



Trade fair participation in France 1927

**1932**

The company moves to its own factory premises in Ludwigsburg. First mention of quality control in the manufacturing of acetylene generators.



Sales-promoting design of a **PERKEO** representative's car around 1935

**1938**

After successfully completing the quality test PERKEO is awarded licenses for acetylene generators, hydraulic seals and back-pressure valves by the German Acetylene Committee of the Reich's Ministry for Economic Affairs.

**1939**

PERKEO participates in the new drafting and revision of different standards in the German Standards Committee.

**1942**

PERKEO has its quality monitoring inspected by an external laboratory.

**1949**

Launch of the company's first department for quality testing in metal cutting and assembly sectors. 100% quality testing and operational testing of all assembled parts for leaks.

**1950**

First external tests in the fields of HV safety valves through the Stuttgart Regional Economic Development Agency (Landesgewerbeamt).

**1951**

PERKEO supports the DVS Society (Society for the promotion of welding and allied processes) with acceptance certificates for the development of the new acetylene ordinance.



**1958**

Death of Hermann Stahl. The management of PERKEO passes into the ownership of the founder's son, Eberhard Stahl.

**1960**

Production and sales of the first portable small-size welding, cutting and brazing equipment. This marked the birth of PERKEO on-site equipment which became firmly established on the market

**1964**

PERKEO is active in the technical standards committee for pressurized gas systems at the German Standards Committee.

**1972**

The first external testing in the fields of cylinders for compressed gases, liquefied gases and gases dissolved under pressure is carried out by the Technical Inspectorate (TÜV) of Baden.

**1996**

Eberhard Stahl passes on the management of PERKEO to his daughter and to the holder of general power of attorney, Yassine Hönes. Decision to introduce quality monitoring is passed and realized.



The enjoyment of working with **PERKEO** products! Master, apprentice and trainee with high-pressure acetylene generator in 1928

**1997**

PERKEO requests inspection with the DVGW and voluntarily harmonizes the products with the latest DVGW regulations. This technology and consequently FMEA and CAQ are introduced. Quality assurance in receiving is modernized, the results of all quality assurance measures are statistically evaluated.



Demonstration and trade fair car around 1950

**1998**

Yassine Hönes, holder of general power of attorney, takes over the company to become sole proprietor and managing director.



Trade fair participation in Japan 1980

**1999**

Relocation to the present company premises in Schwieberdingen.

**2001**

Working model of the PERKEO soldering backpack, soldering equipment that can be carried on the back.

**2003**

First complete catalogue with systematic classification of the products by gas type and application. New to the program are the gas cartridge brazing torches and the gas cartridge

**2004**

Development of a nationwide sales network across Germany.

**2005**

First presentation of the innovative QUICKY quick-release coupling. A small propane cylinder filling system for tradesmen, which completes the filling process entirely without tools.

**2007**

Introduction of the novel soft soldering flux UNIGEL. The gel for every job! A gel-type soft soldering flux suitable for almost every material.

**2009**

PERKEO celebrates its 90th birthday with the DELUX 90 anniversary version of its legendary heavy-duty propane soldering iron. It is fully chromium-plated and equipped with the maintenance-free ZINNLUX-LONGLIFE soldering piece as well as an attached support leg.



PERKEO trade fair presence 2009



soft soldering irons. Introduction of the ZINNLUX soldering piece. Maintenance-free soldering iron with a special coating for the soft-soldering of sheet metal. Subsequent filing and hammering as well as the ammoniac stone are superfluous.



Trade fair participation at the ISH in Frankfurt 2009

**2008**

Expansion of the range to include the featherweight TITAN roofing torch. A tool for roofers, produced from the high quality material titanium and thus considerably lighter than conventional roofing torches. PERKEO presents a new Air conditioning and refrigeration tool program in a designated catalogue. In addition to the expanded product palette for brazing technology, special tools and measuring equipment are also available from stock.



DELUX 90 anniversary model

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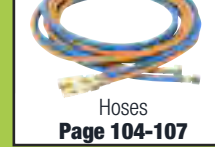
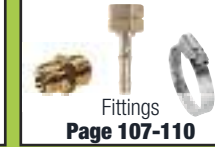

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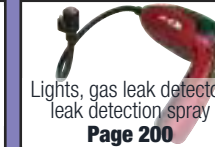
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PROPANE

OXY-GAS

ACETYLENE

NATURAL GAS

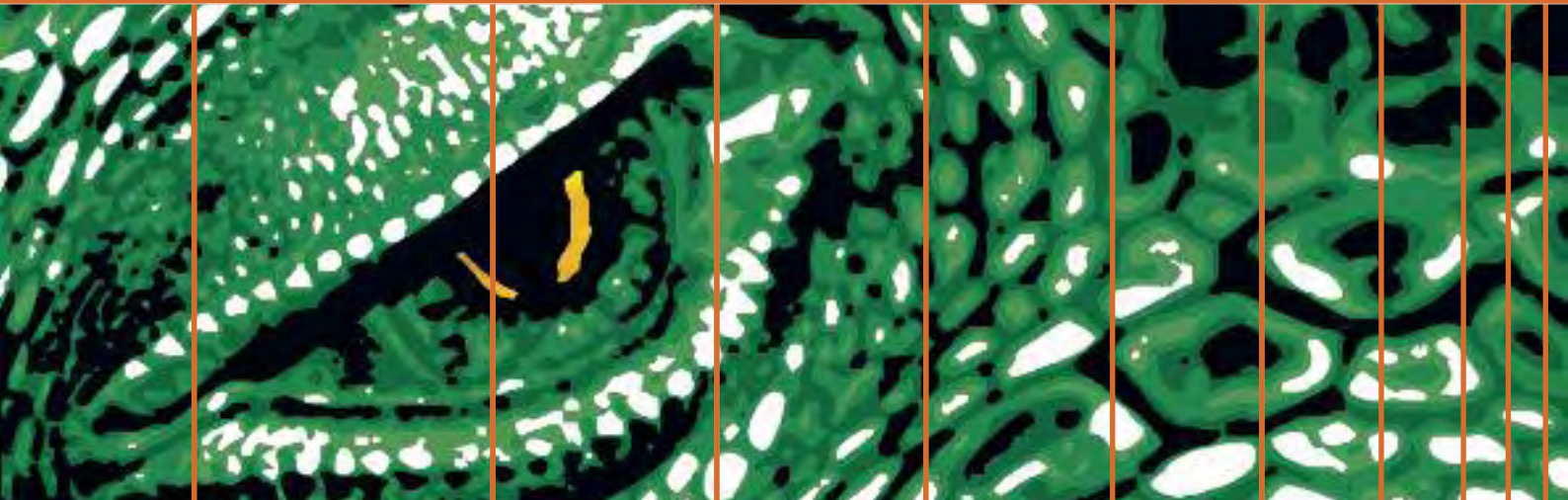
HYDROGEN

WELDING, BRAZING,  
SOLDERING  
ACCESSORIES

TUBING TOOLS



- Roofers
- Plumbers
- Sheet metal worker
- Tanners
- Heating installers
- Sanitary installers
- Building craft
- Industry
- Instrument makers
- Gold smiths and silver smiths
- Handicraft
- Dental technology
- Vocational training schools
- Modelers
- Garages
- Butchers
- Painters
- Camping/caravan
- Catering



**Soldering**

**Roofing**

**Heating**

**Burning off**

**Heat shrinking**



Soldering tools  
**Page 16-30**



Brazing tools (q.v. OXY-GAS)  
**Page 31-40**



Roofing and heating tools  
**Page 41-47**



Heat shrinking tools  
**Page 48-49**



Hoses, fittings  
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**Page 59-60**



Valves, manifolds  
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Cylinders, valves,  
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Cookers, mouth-operated  
soldering guns, radiant heaters  
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Propane-compressed air  
tools  
**Page 78-80**



## PERKEO Heavy-duty propane soldering iron DELUX 90 with ZINNLUX-LONGLIFE copper bit

The **ANNIVERSARY EDITION „DELUX 90“** is **bright chromium plated** and plant-equipped with a maintenance-free **ZINNLUX-LONGLIFE** soldering bit and an attached set-up stand.

This elegant soldering device makes every craftsman's heart beat faster and is not only designed for the looks.

The soldering iron **DELUX 90** is well-engineered technology combined with resilient quality and elegant design.



**ZINNLUX-LONGLIFE** soldering irons are covered with a special coating to protect the copper core from aggressive soldering fluid and deposits on the surface. No retouching by filing or hammering is required for a length of 2500 meters!

The PERKEO heavy-duty soldering iron **DELUX 90** is a technically sophisticated quality product that is made only from the finest materials such as stainless steel, solid brass and teflon. Exceptionally heavy duty, low maintenance and easy to operate, it is ideal for everyday use. And it goes on working well despite moisture, solder chemicals or the toughest jobs. You can work with the PERKEO's powerful and constant flame even in strong winds and without using a windbreak.

### Jubilee edition

Jubilee edition completely nickel-plated and chromium plated - pre-assembled with **#785** footstand and 350 g ZINNLUX-LONGLIFE copper bit in hammer form, cranked hammer form or point form - for heavy-duty applications - extremely robust and long-lived stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - wind-resistant flame up to wind force 13! - rotating hose connection - ergonomic brush wood handle (common beech) - **connections available: M10x1 LH or G3/8" LH**



Part no.	Part no.						
• M10x1 LH	• G3/8" LH	<b>ZINNLUX-LONGLIFE</b>	<b>KJ/h</b>	<b>KW</b>	<b>g/h at 1.5 bar</b>	<b>kg</b>	<b>mm</b>
<b>782/9/T</b>	<b>782/9/3/T</b>	Hammer form	6026	1.67	130	1.03	330x100x36
<b>783/9/T</b>	<b>783/9/3/T</b>	Point form	6026	1.67	130	1.03	420x67x36
<b>784/9/T</b>	<b>784/9/3/T</b>	Cranked hammer form	6026	1.67	130	1.03	349x105x36



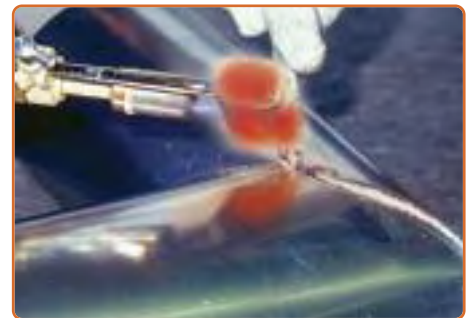
## PERKEO Heavy-duty propane soldering iron with copper bit

### A professional tool for everyday use

The Perkeo heavy-duty propane soldering iron is a technically sophisticated quality product that is made only from the finest materials such as stainless steel, solid brass and Teflon.

Exceptionally heavy duty, low maintenance and easy to operate, it is ideal for everyday use. And it goes on working well despite moisture, solder chemicals or the toughest jobs. The PERKEO heavy-duty propane soldering iron is a quality German product you can really depend on.

A PERKEO heavy-duty propane soldering iron burns straightaway. In less than 55 seconds the 350g soldering bit heats to the operating temperature. There's no easier or more timesaving method of soldering available. You can work with the PERKEO's powerful and constant flame even in strong winds and without using a windbreak.



- Fast ignition without using an air slider
- Reliable action, perfect handling
- Handy control wheel to provide the exact amount of gas. The flame responds instantly
- Ergonomically designed handle made of hard wood, (common beech) very well insulated
- Valve gasket made of indestructible teflon
- Wind-resistant flame up to wind force 13!
- Back cap and valve rod made of stainless steel
- All individual parts available as spares
- Easily adaptable with its versatile accessories
- Especially durable 350g soldering bit made of electrolytic copper, also available in point or hammer shape
- **Rotatable tube connection, for either M10x1 LH or G 3/8" LH**



Part no.	Part no.						
• M10x1 LH	• G3/8" LH	<b>Copper bit</b>	<b>KJ/h</b>	<b>KW</b>	<b>g/h at 1.5 bar</b>	<b>kg</b>	<b>mm</b>
<b>782/T</b>	<b>782/3/T</b>	Hammer form	6026	1.67	130	0.99	330x100x36
<b>783/T</b>	<b>783/3/T</b>	Point form	6026	1.67	130	0.99	420x67x36
<b>784/T/208/5</b>	<b>784/3/T/208/5</b>	Cranked hammer form	6026	1.67	130	0.99	349x105x36





## PERKEO Heavy-duty propane soldering iron with ZINNLUX-LONGLIFE copper bit

For heavy-duty applications - extremely robust and long-lived - with 350 g electrolytic copper bit ZINNLUX-LONGLIFE in hammer form, cranked hammer form or point form - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - wind-resistant flame up to wind force 13! - rotating hose connection - ergonomic brush wood handle (common beech) - **connections available: M10x1 LH or G3/8" LH**

Part no.	Part no.	ZINNLUX-LONGLIFE	KJ/h	KW	g/h at 1.5 bar	kg	mm
• M10x1 LH	• G3/8" LH						
<b>782/Z/T</b>	<b>782/3/Z/T</b>	Hammer form	6026	1.67	130	0.99	330x100x36
<b>783/Z/T</b>	<b>783/3/Z/T</b>	Point form	6026	1.67	130	0.99	420x67x36
<b>784/T/208/5/Z</b>	<b>784/3/T/208/5/Z</b>	Cranked hammer form	6026	1.67	130	0.99	349x105x36



## PERKEO Heavy-duty propane soldering iron

For heavy-duty applications - extremely robust and long-lived - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - wind-resistant flame up to wind force 13! - rotating hose connection - ergonomic brush wood handle (common beech) - **connections available: M10x1 LH or G3/8" LH**

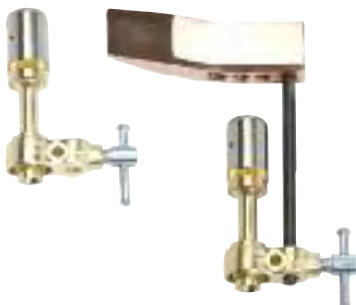
Part no.	Part no.	KJ/h	KW	g/h bei 1.5 bar	kg	mm
• M10x1 LH	• G3/8" LH					
<b>784/T</b>	<b>784/3/T</b>	6026	1.67	130	0.58	288x65x36



## PERKEO Heavy-duty propane soldering iron handles

For heavy-duty applications - extremely robust and long-lived - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - rotating hose connection - ergonomic brush wood handle (common beech) - **connections available: M10x1 LH or G3/8" LH - outlet M14x1 RH**

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
<b>782/0/T</b>	<b>782/0/3/T</b>	0.47	217x65x36



## PERKEO Propane soft soldering attachments

For heavy-duty applications - extremely robust and long-lived - available with 350 g electrolytic copper bit in hammer form, cranked hammer form or point form - stainless steel cap - wind-resistant flame up to wind force 13! - inlet M14x1 RH

Part no.	Copper bit	KJ/h	KW	g/h bei 1.5 bar	kg	mm
<b>782/1</b>	Hammer form	6026	1.67	130	0.52	134x100x22
<b>782/2</b>	Point form	6026	1.67	130	0.53	217x61x22
<b>782/2/0/208/5</b>	Cranked hammer form	6026	1.67	130	0.52	1153x105x27
<b>782/2/0</b>	without	6026	1.67	130	0.13	82x77x22



## PERKEO Copper bits

### New design and faster warm-up!

The same high product quality, a new design and a faster warm-up due to an increase in surface area on the underside of the soldering iron are the result of close cooperation with a plumbing company that we know well.

### Faster warm-up

The core drill holes and the chamfered edges on the underside of the copper bit increase the surface area to be warmed up. This facilitates a better distribution of the heart of the torch flame and enables a faster warm-up.

### Rigid positioning of the soldering iron

The flattened rear face of the steel shaft prevents the soldering iron from turning away.



High thermal conductivity and retention due to cold-rolled electrolytic copper as base material. Due to the ideal thermal transfer of the electrolytic copper, the soldering iron heats up to operational temperature in less than 45 seconds – in addition the base material guarantees maximum thermal retention and thereby achieves a lower gas consumption when soldering.

	Hammer form		Point form		Cranked hammer form		
Version	Part no.	mm	Part no.	mm	Part no.	mm	kg
250 g	<b>219/2</b>	17x82x129	<b>220/2</b>	21x206x19	<b>219/5</b>	17x110x133	0.27
350 g	<b>208/2</b>	22x81x131	<b>209/2</b>	22x215x22	<b>208/5</b>	17x110x136	0.37
500 g	<b>210/2</b>	21x100x142	<b>211/2</b>	25x223x25	<b>210/5</b>	22x115x132	0.52



## PERKEO 350 g-ZINNLUX-LONGLIFE copper bits

### New special coating

New ZINNLUX-LONGLIFE soldering bits are covered with a special coating, which protects the copper core from aggressive soldering fluid and deposits on the surface.

The shape of the soldering bit is retained for at least 2,500 solder metres – so no need for truing up or hammering.

The extra coating makes the soldering bit significantly more maintenance-friendly and longer lasting. Complete tin coating of the iron is no longer required. To clean and care for it, all you need is a damp cloth. So long, salmiak stone.

- Operating temperature in less than 45 seconds
- Lower gas consumption by maximum heat retention
- No need for truing up or hammering
- Flattened rear face of the steel shaft prevents from turning away
- Cleaning without salmiak stone
- Additional drillings at the bottom of the soldering bit increase the target area of the propane flame at over 1,000°C and therefore provide faster heat transfer



Conventional soldering bit



ZINNLUX LONGLIFE

Used solder parts after 100 hours of non-stop operation compared

	Hammer form		Point form		Cranked hammer form		
Version	Part no.	mm	Part no.	mm	Part no.	mm	kg
350 g	<b>208/2/Z</b>	22x81x131	<b>209/2/Z</b>	22x215x22	<b>208/5/Z</b>	17x110x136	0.37



## PERKEO Propane soldering attachments

Soldering attachments for soldering, lead soldering, tinning, hardening, heating, thawing, melting, burning off and for small brazing applications up to 700°C - torch heads of high-quality stainless steel - inlet M14x1 RH

Part no.	Size	mm-Flame	mm-brazing	mm-soft soldering	KJ/h	KW	g/h at 1.5 bar	kg	mm
<b>788/1</b>	1	Ø 3	Ø 6	Ø 14	2781	0.77	60	0.06	85x22x18
<b>788/2</b>	2	Ø 6	Ø 10	Ø 18	4635	1.29	100	0.07	97x29x18
<b>788/3</b>	3	Ø 12	Ø 18	Ø 22	6026	1.67	130	0.09	122x36x20
<b>788/03</b>	4	Ø 12	Ø 16	Ø 22	5099	1.42	110	0.08	93x27x19
<b>788/04</b>	5	Ø 24	-	Ø 28	6489	1.80	140	0.17	189x59x26



## PERKEO footstand and suspension hook for all heavy-duty soldering irons

Made of stainless steel - adjustable spring with self-locking nut

Part no.	kg	mm
<b>785</b>	0.04	86x15x81



## PERKEO Windscreen for all heavy-duty soldering irons

Made of robust sheet steel

Part no.	kg	mm
<b>785/10</b>	0.11	74x32x63



## PERKEO Tip-cleaning needles with handle

3 tip-cleaning needles in box - for cleaning of gas tips - handy grip with screw lock

Part no.	Item	kg	mm
<b>421</b>	3 needles in box	0.01	Ø 10x73
<b>422</b>	Grip	0.01	Ø 8x78



## PERKEO Cap for screen head for heavy-duty propane soldering iron

Made of high-quality stainless steel

Part no.	kg	mm
600/90	0.01	Ø 20x27



## PERKEO Screen head for heavy-duty propane soldering iron

Made of solid brass - with 11 bores for an optimum burning behavior

Part no.	kg	mm
600/23	0.06	Ø 20x20



## PERKEO Mixing chamber with holder for heavy-duty propane soldering iron

Brass mixing chamber with soldering iron holder

Part no.	kg	mm
800/4	0.08	56x45x22



## PERKEO T-screw for all heavy-duty soldering irons

Pin and screw made of galvanized steel - can be fixed by hand

Part no.	kg	mm
310/40	0.02	37x27x10



## PERKEO Wooden handle for heavy-duty propane soldering iron

Ergonomic handle made of hard brush wood (common beech)

Part no.	kg	mm
802/13	0.20	182x35x35



## PERKEO Air lock for heavy duty propane soldering iron

Made of solid brass - for regulation of air/gas premixing

Part no.	kg	mm
600/26	0.01	∅ 20x8



## PERKEO Valve body with gas tube for heavy-duty propane soldering iron

Brass valve body and gas tube - completely assembled and tested with gas tip, hand wheel and valve stem - ready for immediate use - **connections available: M10x1 LH or G3/8" LH**

Part no.	Part no.	Version	kg	mm
• M10x1 LH	• G3/8" LH			
600/B/T	600/B/3/T	Completely assembled + tested	0.12	202x45x22



## PERKEO Hand wheel for all heavy-duty soldering irons, handles etc.

Consisting of: Hand wheel made of shaped brass - spring mechanism for exact flame adjustment - label - self-locking nut

Part no.	kg	mm
320/19/C	0.02	∅ 22x11



## PERKEO Gas tip for heavy-duty propane soldering iron

Made of solid brass - with exact 0.28 mm tip bore for an optimum burning behavior

Part no.	kg	mm
350/24/1	0.02	24x11x11



## PERKEO Valve body with gas tube for heavy-duty propane soldering iron

Brass valve body and gas tube - **connections available: M10x1 LH or G3/8" LH**

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
600/97/0/T	600/97/0/3/T	0.08	172x39x18



## PERKEO Hand wheel with valve stem for all heavy-duty soldering irons, handles etc.

Hand wheel made of shaped brass - valve stem made of high-quality stainless steel - valve gasket made of indestructible teflon - spring mechanism for exact flame adjustment - completely assembled

Part no.	kg	mm
801/7	0.03	∅ 22x33



## PERKEO Economizer handles with adjustable pilot flame

For heavy-duty applications - extremely robust and long-lived - 30-40 % savings in gas consumption due to economizer - hot-pressed brass lever - stainless steel and teflon wear parts - precise gas regulation - available either with ergonomic brush wood handle (common beech) or a light-weight, glass fiber reinforced and indestructible Ultramid handle - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	Handle version	kg	mm
• M10x1 LH	• G3/8" LH			
224/7/T	224/7/3/T	Brush wood (common beech)	0.37	80x190x52
224/2/T	224/2/3/T	Ultramid	0.34	80x190x47



## PERKEO Economizer handles with preset pilot flame

For heavy-duty applications - extremely robust and long-lived - 30-40 % savings in gas consumption due to economizer - hot-pressed brass lever - stainless steel and teflon wear parts - precise gas regulation - ergonomic brush wood handle (common beech) - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
224/9/T	224/9/3/T	0.38	80x183x54



## PERKEO Universal handles

For heavy-duty applications - extremely robust and long-lived - stainless steel and teflon wear parts - precise gas regulation - available either with ergonomic brush wood handle (common beech) or a light-weight, glass fiber reinforced and indestructible Ultramid handle - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	Handle version	kg	mm
• M10x1 LH	• G3/8" LH			
224/6/T	224/6/3/T	Brush wood (common beech)	0.24	35x170x48
224/3/T	224/3/3/T	Ultramid	0.19	27x170x43



## PERKEO Propane soft soldering attachments

For heavy duty services - extremely robust and long-lived - also available with 350 g electrolytic copper bit in cranked hammer form - stainless steel cap for screen head - wind-resistant flame up to wind force 13! - inlet G3/8" RH

Part no.	Copper bit	KJ/h	KW	g/h bei 1.5 bar	kg	mm
780/2	Cranked hammer form	6026	1.67	130	0.61	175x105x22
780/2/OK	without	6026	1.67	130	0.21	145x105x22



## PERKEO Propane soldering attachments

Soldering attachments for soldering, lead soldering, tinning, hardening, heating, thawing, melting, burning off and small brazing applications up to 700°C - torch heads made of high-quality stainless steel - inlet G3/8 RH

Part no.	Size	mm-Flame	mm-brazing	mm-soldering	KJ/h	KW	g/h at 1.5 bar	kg	mm
<b>780/3</b>	1	Ø 3	Ø 6	Ø 14	1391	0.39	30	0.09	130x22x22
<b>780/6</b>	2	Ø 6	Ø 10	Ø 18	7648	2.12	165	0.11	136x22x22
<b>780/12</b>	3	Ø 12	Ø 18	Ø 22	6026	1.67	130	0.17	133x22x22



## PERKEO Angular adaptor

Made of solid brass - 120° bend - inlet G3/8" RH - outlet G3/8" RH

Part no.	kg	mm
<b>168/01</b>	0.09	40x22x40



## PERKEO Torch connecting tube

Torch tube made of high-quality stainless steel - 125 mm long - 120° bend - inlet G3/8" RH - outlet G3/8" RH

Part no.	kg	mm
<b>601/10</b>	0.10	125x22x22



## PERKEO Propane soldering attachments

Soldering attachments for soldering, lead soldering, tinning, hardening, heating, thawing, melting, burning of and for small brazing applications up to 700°C - torch heads made of high-quality stainless steel - inlet G3/8 RH

Part no.	Size	mm-Flame	mm-brazing	mm-soldering	KJ/h	KW	g/h at 1.5 bar	kg	mm
<b>791/10</b>	1	Ø 3	Ø 6	Ø 14	1391	0.39	30	0.06	91x22x22
<b>791/11</b>	2	Ø 14	Ø 10	Ø 18	4172	1.16	90	0.08	96x22x22
<b>791/12</b>	3	Ø 17	Ø 18	Ø 22	15296	4.25	330	0.12	126x22x22





## PERKEO Soft soldering equipment

### THE ORIGINAL!

Cost and time savings and thus a more efficient working process every time when soldering with PERKEO's original soft soldering equipment! The individual parts are optimally tailored to one another and guarantee you unbeatable product advantages from the outset:

- **Longer working times**
- **Lower gas consumption**
- **Interruption-free operations (no cost intensive down-times!)**
- **Shorter warm-up times**

Alongside the rapid ignition and robust heavy-duty soldering iron, the seemingly insignificant PERKEO regulator is the most important part of this system. The integral fine sintered metal filter, which is only available in this form from PERKEO, prevents fluid sludge from entering the hose and thus the soldering system!

In addition, the PERKEO heavy-duty soldering iron burns with a fully windproof flame up to wind force 13 with reduced gas consumption and this enables extremely short warm-up times for the copper tip.

The gas consumption for soldering systems that do not have a small cylinder regulator is almost twice as high! Additionally, a lot of valuable time is lost in refilling – entirely unnecessary!

### The original PERKEO soft soldering equipment comprises:

- **795/01/1/T** ..... On-site cylinder for 0.425 kg filling
- **570/T** ..... Regulator! (1.5 bar)
- **402/1** or **402/1/3** ..... 2.5 m HP hose
- **784/T** or **784/3/T** ..... Heavy-duty soldering iron
- **208/2** or **208/5** or **209/2** .... 350 g electrolytic copper tip of your choice
- **424** ..... Gas lighter
- **380/265** ..... Combination wrench



Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
<b>799/5/T4</b>	<b>799/5/3/T4</b>	3.76	400x170x160



## PERKEO Propane soft soldering equipment



- **795/01/2/T** On-site cylinder w. safety pressure relief-valve
- **570/T** Regulator 1,5 bar
- **402/1** or **402/1/3** 2,5 m High pressure hose
- **784/T** or **784/3/T** Heavy-duty soldering iron
- **208/2** or **208/5** or **209/2** 350 copper bit at option
- **424** Gas lighter
- **380/265** Combination wrench

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
<b>799/5/03</b>	<b>799/5/03/3</b>	2.23	400x170x160



## PERKEO Propane soft soldering equipment in sheet-steel box

- 795/01/1/T On-site cylinder • 570/T Regulator 1,5 bar • 402/1 or 402/1/3 2,5 m High pressure hose • 784/T or 784/3/T Heavy-duty soldering iron • 208/2 or 208/5 or 209/2 350 copper bit at option • 424 Gas lighter • 380/265 Combination wrench • 427/L Soldering liquid bottle • 429/01 Soldering stone • 797/04 Decanting adaptor • 466/2 Sheet-steel box

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/5/K/T4	799/5/3/K/T4	8.30	620x160x160



## PERKEO Propane soft soldering and lead soldering equipment in sheet-steel box

- 795/01/1/T On-site cylinder • 570/T Regulator 1,5 bar • 402/1 or 402/1/3 2,5 m High pressure hose • 784/T or 784/3/T Heavy-duty soldering iron • 208/2 or 208/5 or 209/2 350 copper bit at option • 788/1-788/3 Soldering attachments Size 1-3 • 424 Gas lighter • 380/265 Combination wrench • 427/L Soldering liquid bottle • 429/01 Soldering stone • 797/04 Decanting adaptor • 466/1 Sheet-steel box

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/6/K/T4	799/6/3/K/T4	9.30	620x160x160



## PERKEO Propane soft soldering equipment for fittings SPEZIAL

- 795/01/1/T On-site cylinder • 570/T Regulator 1,5 bar • 402/1 or 402/1/3 2,5 m High pressure hose • 224/3/T or 224/3/3/T Universal handle • 780/12 Soldering attachment SPEZIAL • 424 Gas lighter • 380/265 Combination wrench

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/3/T4	799/3/3/T4	3.00	400x170x160



## PERKEO Propane soft soldering equipment in sheet-steel box with 5 kg cylinder

- 795/03 5 kg Propane cylinder • 570/1/T Regulator 1,5 bar • 490/2 Hose-failure safety device • 402/1 or 402/1/3 2,5 m High pressure hose • 784/T or 784/3/T Heavy-duty soldering iron • 208/2 or 208/5 or 209/2 350 copper bit at option • 424 Gas lighter • 380/265 Combination wrench • 359/04 Sheet-steel box • 463/7 Cylinder fixing device

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/15/K/T4	799/15/3/K/T4	14.00	310x375x610

## PERKEO Propane soft soldering equipment with 5 kg cylinder

### „Big Brother“

The new cylinder frame from PERKEO is a practical alternative to small cylinder soft soldering systems, because with the 5 kg propane cylinder there is always enough gas at hand for soldering. The soldering iron is fastened securely onto the frame and up to 15 m of propane gas hose can be wound onto the hose bracket. All parts are fixed and are not left to "hang around" loose. With a total weight of 12 kg, the "Big Brother" remains in the portable range. Extremely robust, not susceptible to damage and simple to handle - ideal for everyday work!

### The PERKEO soft soldering equipment comprises:

- 795/03 .....5 kg propane cylinder
- 570/1/T .....Propane regulator 1.5 bar
- 490/2 .....Hose-failure safety device
- 402/1 or 402/1/3 .....2.5 m high pressure hose
- 784/T or 784/3/T .....Heavy-duty soldering iron
- 208/2 or 208/5 or 209/2 350 g electrolytic copper tip,  
.....of your choice
- 424 .....Gas lighter
- 380/265 .....Combination wrench
- 463/7 .....Cylinder fixing device

Connections available: M10x1 LH or G3/8" LH



The content of the 5 kg propane cylinder is sufficient for over 40 hours of work. By comparison, a familiar 0.425 kg small cylinder soft soldering system lasts for just 3.5 hours!



Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/15/T4	799/15/3/T4	12.40	310x345x610

## PERKEO Propane soft soldering and lead soldering equipment in sheet-steel box for 0.425 kg on-site cylinders

- 359/04 Sheet-steel box
- 570/T Regulator 1,5 bar
- 402/1 or 402/1/3 2,5 m High pressure hose
- 784/T or 784/3/T Heavy-duty soldering iron
- 208/2 350 g copper bit hammer form
- 788/1- 788/3, 788/03 4 Soldering attachments Size 1-4
- 424 Gas lighter
- 380/265 Combination wrench

Connections available: M10x1 LH or G3/8" LH



Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/04/T4	799/04/3/T4	3.83	320x200x65

## PERKEO Propane soft soldering and lead soldering equipment in sheet-steel box for 5-11 kg cylinders

- 359/04 Sheet-steel box
- 570/2/T Adjustable regulator 0-6 bar
- 490/2 Hose-failure safety device
- 402/1 or 402/1/3 2,5 m High pressure hose
- 784/T or 784/3/T Heavy-duty soldering iron
- 208/2 350 g copper bit hammer form
- 788/1- 788/3, 788/03 4 Soldering attachments Size 1-4
- 424 Gas lighter
- 380/265 Combination wrench

Connections available: M10x1 LH or G3/8" LH



Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/040/T4	799/040/3/T4	4.08	320x200x65



## PERKEO Propane-butane PIEZO soft soldering iron with copper bit with cartridge

### The smallest soft soldering equipment in the world!

A small practical helper that fits in every trouser pocket!

The cartridge soldering iron is superbly suited for small to medium repair works around the construction site.

In comparison to the customary propane soft soldering equipment it is a fraction of the size and weight and always ready to use. With its total weight of 1.10 kg, it sits well in the hand and can be put to immediate use at the push of a button with the automatic ignition.

The smallest soft soldering system in the world is fuelled by replaceable 60 g gas cartridges that are available in two different configurations. The summer gas cartridge with propane butane mixture and the winter gas cartridge with the 2015°C hot M-gas mixture. The M-gas cartridges are better suited for working in low external temperatures. A single gas cartridge lasts for 1-2 hours of soldering.

- Automatic ignition by pressing the button
- Ignition with a 2-year warranty
- Simple one-hand operation!
- Extremely economical due to special circle-flame burning system, burning time 1-2 hours!
- Maximum soldering comfort due to adjustable inclination of the 235 g electrolytic copper bit
- Overhead operation possible immediately
- With fixed footstand

Part no.	KJ/h	KW	g/h at 1.8 bar	kg	mm
792/02	1854	0.51	40	1.10	310x105x70



## PERKEO Replacement cartridges



Propane-butane and M-gas cartridges for soft soldering iron **792/02** filled with 60 g - burning time 1-2 hours - M-gas is a special gas mixture comprising methyl, acetylene and propane. It achieves a flame temperature of far more than 2000°C! - 12 pc. per packing unit

Part no.	Gas	Version	Content	Flame-temperature	kg/unit	mm/unit
792/03	Propane-butane	Summer gas	60 g	1450°C	1.50	180x170x135
792/03/2015	M-gas	Winter gas	60 g	2000°C	1.50	180x170x135



## PERKEO Replacement cartridges set



12 piece set of replacement cartridges for soft soldering iron **792/02** filled with 60 g consisting of: 6 pc. Propane-butane cartridge **792/03** and 6 pc. M-gas cartridges **792/03/2015** - M-gas is a special gas mixture comprising methyl, acetylene and propane. It achieves a flame temperature of far more than 2000°C! - 12 pc. per packing unit

Part no.	Content	kg/unit	mm/unit
792/03/SET	60 g	1.50	180x170x135

# PROPANE • Soldering



Automatic ignition

## PERKEO Propane PIEZO soft soldering iron with copper bit



Automatic ignition by pressing the button - ignition with a 2-year warranty - simple one-hand operation! - extremely economical due to special circle-flame burning system - maximum soldering comfort due to adjustable inclination of the 235 g electrolytic copper bit - with fixed footstand - robust - ergonomic - stylish - simple conversion for heating, burning off and brazing applications - rotating hose connection - inlet G3/8" LH

Part no.	KJ/h	KW	g/h at 1.8 bar	kg	mm
792/01	3105	0.86	67	0.94	300x105x70



Automatic ignition



## PERKEO PIEZO copper bits

Wrought copper bits made of high-quality electrolytic copper - available in hammer form or point form - versions with 185 g, 220 g, 235 g and 315 g - fixing screw prevents the bit from turning - long-lived

Part no.	Version weight	Version Form	kg	mm
200/01	185 g	Hammer form	0.20	100x45x27
200/02	235 g	Hammer form	0.24	105x55x27
200/03	315 g	Hammer form	0.33	105x65x27
200/04	220 g	Point form	0.24	90x70x27



Automatic ignition



## PERKEO PIEZO ZINNLUX-LONGLIFE copper bits



Extremely long-lived due to special coating - working temperature reached in 55 seconds - less gas consumption due to maximum heat storage - no filing or hammering necessary - fixing screw prevents the bit from turning - cleaning without soldering stone

Part no.	Version weight	Version Form	kg	mm
200/02/Z	235 g	Hammer form	0.24	105x55x27
200/04/Z	220 g	Point form	0.24	90x70x27



Automatic ignition



## PERKEO Propane PIEZO soft soldering set in sheet-steel box with cartridge



• 792/02 Soldering iron with copper bit on cartridge • 792/03 Propane replacement cartridge • 502/01/05/1 UNIGEL soldering liquid • 429/02 Soldering stone 150 g • 350/24/01 Replacement tip with gasket, Sheet-steel box



Part no.	kg	mm
799/5/02	2.90	355x160x80



## PERKEO Propane PIEZO soft soldering equipment



- **795/01/1/T** On-site cylinder
- **570/3/T** Adjustable regulator 0-6 bar
- **402/1/3** 2,5 m-High pressure hose
- **792/01** PIEZO soft soldering iron with 235 g copper bit
- **380/265** Combination wrench

Part no.	kg	mm
<b>799/5/01</b>	3.65	400x170x160



## PERKEO Propane PIEZO soft soldering equipment



- **795/01/2/T** On-site cylinder w. safety pressure relief-valve
- **570/3/T** Adjustable regulator 0-6 bar
- **402/1/3** 2,5 m-High pressure hose
- **792/01** PIEZO soft soldering iron with 235 g copper bit
- **380/265** Combination wrench



Part no.	kg	mm
<b>799/5/04</b>	2.12	400x170x160



## PERKEO Propane PIEZO gas tip

Plastic replacement tip with gasket for **792/01** and **792/02**

Part no.	kg	mm
<b>350/24/01</b>	0.01	15x10x10



## PERKEO Economizer handles with adjustable pilot flame

For heavy-duty applications - extremely robust and long-lived - 30-40 % savings in gas consumption due to economizer - hot-pressed brass lever - stainless steel and teflon wear parts - precise gas regulation - available either with ergonomic brush wood handle (common beech) or a light-weight, glass fiber reinforced and indestructible Ultramid handle - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	Handle version	kg	mm
• M10x1 LH	• G3/8" LH			
224/7/T	224/7/3/T	Brush wood (common beech)	0.37	80x190x52
224/2/T	224/2/3/T	Ultramid	0.34	80x190x47



## PERKEO Economizer handles with preset pilot flame

For heavy-duty applications - extremely robust and long-lived - 30-40 % savings in gas consumption due to economizer - hot-pressed brass lever - stainless steel and teflon wear parts - precise gas regulation - ergonomic brush wood handle (common beech) - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
224/9/T	224/9/3/T	0.38	80x183x54



## PERKEO Universal handles

For heavy-duty applications - extremely robust and long-lived - stainless steel and teflon wear parts - precise gas regulation - available either with ergonomic brush wood handle (common beech) or a light-weight, glass fiber reinforced and indestructible Ultramid handle - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	Handle version	kg	mm
• M10x1 LH	• G3/8" LH			
224/6/T	224/6/3/T	Brush wood (common beech)	0.24	35x170x48
224/3/T	224/3/3/T	Ultramid	0.19	27x170x43



## PERKEO Propane-soldering attachment SPEZIAL

Soldering attachment developed especially for soldering of fittings up to 700°C - torch head made of high-quality stainless steel - inlet G3/8" RH

Part no.	Size	mm-flame	mm-brazing	mm-soldering	KJ/h	KW	g/h at 1.5 bar	kg	mm
780/12	3	Ø 12	Ø 18	Ø 23	6026	1.67	130	0.17	133x22x22



## PERKEO Angular adaptor

Made of solid brass - 120° bend - inlet G3/8" RH - outlet G3/8" RH

Part no.	kg	mm
168/01	0.09	40x22x40



## PERKEO Torch connecting tube

Torch tube made of high-quality stainless steel - 125 mm long - 120° bend - inlet G3/8" RH - outlet G3/8" RH

Part no.	kg	mm
601/10	0.10	125x22x22



## PERKEO Propane brazing attachments

Powerful soldering attachments for quick brazing applications with all solders up to 700°C - developed especially for the installation of pipes and fittings up to 34 mm - torch heads made of high-quality stainless steel - inlet G3/8" RH

Part no.	Size	mm-flame	mm-brazing	mm-soldering	KJ/h	KW	g/h at 3 bar	kg	mm
780/13	4	Ø 10	Ø 18	Ø 30	11124	3.09	240	0.09	106x22x22
780/14	5	Ø 15	Ø 20	Ø 32	20394	5.66	440	0.13	116x23x23
780/15	6	Ø 20	Ø 22	Ø 34	32445	9.01	700	0.16	124x23x23



## PERKEO Propane brazing equipment with steel-sheet box for 5-11 kg cylinders

- 359/04 Sheet-steel box
- 570/2/T Adjustable regulator 0-6 bar
- 402/1 or 402/1/3 2,5 m high pressure hose
- 224/2/T or 224/2/3/T Economizer handle
- 601/10 125 mm connecting tube
- 780/13-780/15 3 brazing attachments size 4-6
- 424 Gas lighter
- 380/265 Combination wrench
- 490/2 Hose-failure safety device

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/07/T4	799/07/3/T4	3.50	320x200x65





## PERKEO Propane brazing and soldering equipment in sheet-steel box for 5-11 kg cylinders

- 359/04 Sheet-steel box
- 570/2/T Adjustable regulator 0-6 bar
- 402/1 or 402/1/3 2,5 m high pressure hose
- 224/7/T or 224/7/3/T Economizer handle
- 601/10 125 mm connecting tube
- 780/13-780/15 3 brazing attachments size 4-6
- 780/2/OK Soldering attachment
- 208/2 or 208/5 or 209/2 350 g copper bit at option
- 424 Gas lighter
- 380/265 Combination wrench
- 490/2 Hose-failure safety device

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/07/1/T4	799/07/1/3/T4	4.15	320x200x65



## PERKEO Propane brazing and soldering equipment in sheet-steel box

- 795/01/1/T On-site cylinder
- 570/T Regulator 1,5 bar
- 402/1 or 402/1/3 2,5 m high pressure hose
- 224/2/T or 224/2/3/T Economizer handle
- 601/10 125 mm connecting tube
- 780/13-780/15 3 brazing attachments size 4-6
- 780/2/OK Soldering attachment
- 208/2 or 208/5 or 209/2 350 copper bit at option
- 424 Gas lighter
- 380/265 Combination wrench
- 427/L Soldering liquid bottle
- 429/01 Soldering stone
- 797/04 Decanting adaptor
- 466/1 Sheet-steel box

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/07/K/T4	799/07/3/K/T4	9.07	620x160x160



## PERKEO Propane soldering equipment SPEZIAL

- 795/01/1/T On-site cylinder
- 570/3/T Adjustable regulator 0-6 bar
- 402/1 or 402/1/3 2,5 m high pressure hose
- 224/3/T or 224/3/3/T Universal handle
- 780/12 Soldering attachment SPEZIAL
- 424 Gas lighter
- 380/265 Combination wrench

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/3/T4	799/3/3/T4	3.00	400x170x160



## PERKEO Propane brazing and soldering equipment in sheet-steel box with 5 kg cylinder

- 795/03 5 kg Propane cylinder
- 570/2/T Adjustable regulator 0-6 bar
- 402/1 or 402/1/3 2,5 m high pressure hose
- 224/2/T or 224/2/3/T Economizer handle
- 601/10 125 mm connecting tube
- 780/13-780/15 3 brazing attachments size 4-6
- 780/2/OK Soldering attachment
- 208/2 or 208/5 or 209/2 350 copper bit at option
- 424 Gas lighter
- 380/265 Combination wrench
- 490/2 Hose-failure safety device
- 359/04 Sheet-steel box
- 463/7 Cylinder fixing device

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/13/T4	799/13/3/T4	13.00	310x375x610



## PERKEO M-gas cartridge brazing torch



### The power gas cartridge for brazing

The power gas cartridge contains a special gas mixture of methyl, acetylene and propane (c.f. M-gas) and this yields an extremely high flame temperature of well over 2000°C! With this powerful flame it is possible to carry out all brazing jobs - in any position - almost as quickly as with a propane oxygen brazing system. In comparison to the usual propane butane cartridge brazing torch, the power gas cartridge brazes a Ø 18 mm copper pipe with copper brazing alloy CuP6 in half the time!

This makes the PERKEO M-gas cartridge brazing torch 2015 one of the most powerful torches on the market.



- Flame temperature far in excess of 2000°C
- Automatic ignition at the push of a button
- Significantly more powerful than a propane brazing torch
- For brazing with copper brazing alloys CuP6, Ag2P, Ag5P, Ag15P and all silver brazing alloys
- 2-3 hours burning performance!
- Extremely powerful conical flame thanks to the pre-heating of the gas in the torch head
- Overhead operation possible after 5 sec.
- Full power until the cartridge is empty
- Also suitable for soft soldering
- Light and manageable at only 720 g in weight and 33 cm high
- Rotating stand foot on the torch for safe set-down
- All parts replaceable (torch, piezo igniter, gas nozzle)
- Compliant with DIN EN 417 – Safety in storage, transport and usage

Part no.	mm-brazing	mm-soldering	KJ/h	KW	g/h at 3 bar	kg	mm
794/03/2015	Ø 18	Ø 25	5099	1.42	110	0.72	65x130x330



## PERKEO MINI M-gas cartridge brazing torch



MINI power gas cartridge designed for brazing at flame temperatures far higher than 2000°C with special gas mixture consisting of methyl, acetylene and propane (cp. M-gas) - automatic ignition at the push of a button - 2 year warranty for the ignition - universally adjustable - extremely powerful conical flame thanks to the pre-heating of the gas in the torch head - 40 min. burning performance! - overhead operation possible immediately - includes positioning base and suspender - very small and handy.



Part no.	mm-brazing	mm-soldering	KJ/h	KW	g/h at 3 bar	kg	mm
794/07	Ø 18	Ø 25	5099	1.42	110	0.33	200x130x50



## PERKEO M-gas cycle cartridge brazing torch



Power gas cartridge designed for brazing at flame temperatures far higher than 2000°C with special gas mixture consisting of methyl, acetylene and propane (cp. M-gas) - special circular torch featuring a completely enclosed flame for heat accumulation - ideal for welding work involving tubes - 2-3 hours burning performance! - no overhead operation possible - includes positioning base and suspender - includes an additional standard brazing torch



Part no.	mm-brazing	mm-soldering	KJ/h	KW	g/h at 3 bar	kg	mm
794/08	Ø 22	Ø 22	8343	2.32	180	0.73	65x130x330



## PERKEO MINI M-gas cycle cartridge brazing torch



MINI power gas cartridge designed for brazing at flame temperatures far higher than 2000°C with special gas mixture consisting of methyl, acetylene and propane (cp. M-gas) - special circular torch featuring a completely enclosed flame for heat accumulation - ideal for welding work involving tubes - 40 min. burning performance! - overhead operation possible immediately - includes positioning base and suspender - very handy - includes an additional standard brazing torch.



Part no.	mm-brazing	mm-soldering	KJ/h	KW	g/h at 3 bar	kg	mm
794/09	Ø 22	Ø 22	8343	2.32	180	0.35	200x130x50



## PERKEO Propane-butane cartridge torch



Automatic ignition at the push of a button - 2 year warranty for the ignition - universally adjustable - extremely powerful conical flame thanks to the pre-heating of the gas in the torch head - 2-3 hours burning performance! - overhead operation possible after 5 sec - includes positioning base and suspender

Part no.	mm-brazing	mm-soldering	KJ/h	KW	g/h at 3 bar	kg	mm
794/03	Ø 18	Ø 25	5099	1.42	110	0.70	65x130x330



## PERKEO Propane-butane PIEZO soldering lamp on a cartridge basis



Small soldering lamp on 190 g cartridge basis - superbly well-suited for all brazing and other torch work - robust head - automatic ignition by push-button - 2 year guarantee on ignition - universally applicable - burning time with cartridge 1.5 hours - robust - ergonomic - optimised form - without gas cartridge



Part no.	mm-brazing	mm-soldering	KJ/h	KW	g/h at 3 bar	kg	mm
794/06	Ø 16	Ø 25	4385	1.22	80	0.69	220x110x175



## PERKEO Propane-butane soldering lamp on a cartridge basis



Small soldering lamp on 190 g cartridge basis - superbly well-suited for all brazing and other torch work - robust head - universally applicable - burning time with cartridge 1.5 hours - robust - ergonomic - optimised form - without gas cartridge



Part no.	mm-brazing	mm-soldering	KJ/h	KW	g/h at 3 bar	kg	mm
794/06/10	Ø 16	Ø 25	4385	1.22	80	0.69	220x110x175

## PERKEO Professional M-gas brazing set I



Power gas cartridge torch set designed for brazing at flame temperatures far exceeding 2000°C thanks to a special gas mixture comprising methyl, acetylene + propane (cp. M-gas)

### Scope of delivery:

- 1 x **794/03/2015** M-gas PIEZO-cartridge brazing torch
- 2 x **792/03/2015** ...MINI M-gas replacement cartridges
- 2 x **794/04/2015** ...M-gas replacement cartridges
- 1 x **430/03/10** .....4-Layer flame protection mats up to 3000°C, 200x250 mm
- 1 kg **558/3** .....Copper brazing alloy with 2% silver and 6% phosphorus (B-Cu92PAg)
- 1 box **531/01/01** ....with 0,25 kg brazing paste (FH 10)
- 1 pack **430/01/01** ..with 10 pc. cleaning fleeces
- 1 x **466/3** .....PERKEO nylon shoulder bag

Part no.	kg	mm
<b>799/3/03</b>	3.65	330x200x85

## PERKEO Professional M-gas brazing set II



Power gas cartridge torch set designed for brazing at flame temperatures far exceeding 2000°C thanks to a special gas mixture comprising methyl, acetylene + propane (cp. M-gas)

### Scope of delivery:

- 1 x **794/08** .....M-gas cycle cartridge brazing torch
- 2 x **792/03/2015** ...MINI M-gas replacement cartridges
- 2 x **794/04/2015** ...M-gas replacement cartridges
- 1 x **430/03/10** .....4-Layer flame protection mats up to 3000°C, 200x250 mm
- 1 kg **558/3** .....Copper brazing alloy with 2% silver and 6% phosphorus (B-Cu92PAg)
- 1 box **531/01/01** ....with 0,25 kg brazing paste (FH 10)
- 1 pack **430/01/01** ..with 10 pc. cleaning fleeces
- 1 x **466/3** .....PERKEO nylon shoulder bag

Part no.	kg	mm
<b>799/3/04</b>	3.65	330x200x85



## PERKEO Replacement cartridges - Standard - according to DIN EN 417



M-gas and propane-butane replacement cartridges for all cartridge brazing torches. M-gas is a special gas mixture comprising methyl, acetylene and propane. It achieves a flame temperature of far more than 2000°C!

Part no.	Gas	Version	Contents	Flame temperature	kg	mm
794/04/2015	M-gas	Standard	360 g	2000°C	0.47	Ø 65x280
794/04	Propane-butane	Standard	340 g	1450°C	0.47	Ø 65x280



## PERKEO Replacement cartridges - MINI - according to DIN EN 417



M-gas and propane-butane replacement cartridges for all cartridge brazing torches. M-gas is a special gas mixture comprising methyl, acetylene and propane. It achieves a flame temperature of far more than 2000°C!

Part no.	Gas	Version	Contents	Flame temperature	kg	mm
792/03/2015	M-gas	MINI	60 g	2000°C	0.12	Ø 45x170
792/03	Propane-butane	MINI	60 g	1450°C	0.12	Ø 45x170



## PERKEO Replacement cartridges - Piercing - according to DIN EN 417



Suitable for all soldering lamps and torches with insertion device - version with "gas stop system" enables cartridge exchange even if cartridge is not completely empty

Part no.	Gas	Version	Contents	Flame temperature	kg	mm
794/06/01	Propane-butane	Piercing	190 g	1450°C	0.20	Ø 90x115
794/06/02	Propane-butane	Piercing with "Gas stop system"	190 g	1450°C	0.20	Ø 90x115



Automatic ignition

## PERKEO Propane PIEZO turbo torch



Automatic ignition by pressing the button - ignition with a 2-year warranty - simple one-hand operation! - special wraparound swirl flame - robust - ergonomic - stylish - simple conversion to soft soldering iron - rotating hose connection - inlet G3/8" LH

Part no.	mm-brazing	mm-soldering	KJ/h	KW	g/h at 3 bar	kg	mm
794/01	Ø 34	Ø 42	15296	4.25	330	0.62	305x105x62



Automatic ignition

## PERKEO Propane PIEZO flame spreader torch



Automatic ignition by pressing the button - ignition with a 2-year warranty - simple one-hand operation! - special flame spreader torch with wraparound flame - ideal for pipe soldering applications - robust - ergonomic - stylish - simple conversion to soft soldering iron - rotating hose connection - inlet G3/8" LH

Part no.	mm-brazing	mm-soldering	KJ/h	KW	g/h at 3 bar	kg	mm
794/02	Ø 24	Ø 24	15296	4.25	330	0.60	330x120x62



Automatic ignition

## PERKEO Propane PIEZO turbo torch soldering attachments



Soldering attachments with special turbo wraparound swirl flame for optimum soldering of pipes and fittings - soldering attachments for brazing, soldering, lead soldering, tinning, hardening, heating, thawing, melting, burning off

Part no.	Size	mm-brazing	mm-soldering	KJ/h	KW	g/h at 3 bar	kg	mm
798/01	T1	Ø 22	Ø 24	7880	2.19	170	0.15	145x38x25
798/02	T2	Ø 34	Ø 42	15296	4.25	330	0.17	160x38x25



Automatic ignition

## PERKEO Propane PIEZO turbo torch soldering attachments - replacement parts



Replacement torch attachments for turbo torch soldering attachments with wraparound flame for optimum soldering of pipes and fittings - soldering attachments for brazing, soldering, lead soldering, tinning, hardening, heating, thawing, melting, burning off

Part no.	Size	mm-brazing	mm-soldering	KJ/h	KW	g/h at 3 bar	kg	mm
798/03	T1	Ø 22	Ø 24	7880	2.19	170	0.04	Ø 16x45
798/04	T2	Ø 34	Ø 42	15296	4.25	330	0.06	Ø 20x60



## PERKEO Propane PIEZO flame spreader torch soldering attachment



Special flame spreader soldering attachment with wraparound flame for brazing and soldering of pipes and fittings up to 24 mm

Part no.	mm-brazing	mm-soldering	KJ/h	KW	g/h at 3 bar	kg	mm
798/05	Ø 24	Ø 24	15296	4.25	330	0.16	185x42x25



## PERKEO Propane PIEZO flame spreader torch soldering attachment - replacement parts



Replacement torch attachment for special flame spreader torch soldering attachment with wraparound flame for brazing and soldering of pipes and fittings up to 24 mm

Part no.	mm-brazing	mm-soldering	KJ/h	KW	g/h at 3 bar	kg	mm
798/06	Ø 24	Ø 24	15296	4.25	330	0.05	104x40x25



## PERKEO Propane PIEZO universal soldering equipment



• 795/01/1/T On-site cylinder • 570/3/T Adjustable regulator 0-6 bar • 402/1/3 2,5 m high pressure hose  
• 794/01 PIEZO turbo torch • 380/265 Combination wrench

Part no.	kg	mm
799/3/01	3.89	400x170x160



## PERKEO Propane PIEZO pipe-soldering equipment



• 795/01/1/T On-site cylinder • 570/3/T Adjustable regulator 0-6 bar • 402/1/3 2,5 m high pressure hose  
• 794/02 PIEZO flame spreader torch • 380/265 Combination wrench

Part no.	kg	mm
799/3/02	3.89	400x170x160



## PERKEO Replacement PIEZO ignition device

For Piezo torches **792/01**, **792/02**, **794/01**, **794/02**

<i>Part no.</i>	<i>kg</i>	<i>mm</i>	
<b>600/01</b>	0.01	85x40x10	





## PERKEO Economizer handles with adjustable pilot flame

For heavy-duty applications - extremely robust and long-lived - 30-40 % savings in gas consumption due to economizer - hot-pressed brass lever - stainless steel and teflon wear parts - precise gas regulation - available either with ergonomic brush wood handle (common beech) or a light-weight, glass fiber reinforced and indestructible Ultramid handle - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	Handle version	kg	mm
• M10x1 LH	• G3/8" LH			
224/7/T	224/7/3/T	Brush wood (common beech)	0.37	80x190x52
224/2/T	224/2/3/T	Ultramid	0.34	80x190x47



## PERKEO Economizer handles with preset pilot flame

For heavy-duty applications - extremely robust and long-lived - 30-40 % savings in gas consumption due to economizer - hot-pressed brass lever - stainless steel and teflon wear parts - precise gas regulation - ergonomic brush wood handle (common beech) - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
224/9/T	224/9/3/T	0.38	80x183x54



## PERKEO Universal handles

For heavy-duty applications - extremely robust and long-lived - stainless steel and teflon wear parts - precise gas regulation - available either with ergonomic brush wood handle (common beech) or a light-weight, glass fiber reinforced and indestructible Ultramid handle - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	Handle version	kg	mm
• M10x1 LH	• G3/8" LH			
224/6/T	224/6/3/T	Brush wood (common beech)	0.24	35x170x48
224/3/T	224/3/3/T	Ultramid	0.19	27x170x43



## PERKEO Angular adaptor

Made of solid brass - 120° bend - inlet G3/8" RH - outlet G3/8" RH

Part no.	kg	mm
168/01	0.09	40x22x40

# PROPANE • Roofing, heating, burning off



## PERKEO Torch connecting tubes

Torch tubes made of high-quality stainless steel - versions: straight or with a 120° bend - inlet G3/8" RH - outlet G3/8" RH

Part no.	mm-tube length	Version	kg	mm	
601/10	125	120°	0.10	125x35x22	
601/20	300	120°	0.18	300x40x22	
601/50	550	120°	0.29	550x40x22	
601/70	750	120°	0.35	750x40x22	
600	600	straight	0.30	600x22x22	



## PERKEO Heavy-duty propane torch heads

Extremely efficient due to optimally designed air intake on the brass body - for roofing, heating, burning off, heat shrinking, soft soldering, tinning, lead soldering, hardening, thawing, melting, etc. - made of seamless precision steel tube - inlet G3/8" RH

Part no.	mm-head	KJ/h	KW	g/h at 4 bar	kg	mm
780/20/1	Ø 20	50985	14.16	1100	0.13	83x27x27
780/25/1	Ø 25	101970	28.31	2200	0.16	90x32x32
780/40/1	Ø 40	222480	61.78	4800	0.27	99x42x42
780/60/1	Ø 60	338355	93.95	7300	0.57	135x60x60



## PERKEO Manifolds

For connection of several torch heads - made of solid brass - inlet G3/8" RH - outlet G3/8" RH

Part no.	Connections	kg	mm	
275/2/T	2	0.20	155x56x22	
275/3/T	3	0.30	275x53x22	



## PERKEO Heavy-duty propane torch attachments

Extremely efficient due to optimally designed air intake on the brass body - for roofing, heating, burning off, heat shrinking, soft soldering, tinning, lead soldering, hardening, thawing, melting, etc. - torch tubes made of high-quality stainless steel - with 120° bend - torch heads made of seam-less precision steel tube - inlet G3/8" RH

Part no.	mm-head	mm-tube length	KJ/h	KW	g/h at 4 bar	kg	mm
780/20	Ø 20	125	50985	14.16	1100	0.25	170x55x27
780/25	Ø 25	125	101970	28.31	2200	0.29	172x55x32
780/40	Ø 40	125	222480	61.78	4800	0.36	180x60x42
780/60	Ø 60	300	338355	93.95	7300	0.75	355x140x60

# PROPANE • Roofing, heating, burning off



## PERKEO Footstand for torch tubes

Can be fixed onto tube - high stability

Part no.	kg	mm
785/20	0.08	95x28x16



## PERKEO Propane wide-mouth torch attachment

Flame width 100 mm - especially suitable for heating and paint removal - with stainless steel footstand and suspension hook - inlet G3/8" RH

Part no.	mm-tube length	KJ/h	KW	g/h at 1.5 bar	kg	mm
789/30	125	13442	3.73	290	0.34	222x99x59



## PERKEO Propane bristle burn-off torch with Ø 40 mm heavy-duty torch head

• 224/9/T or 224/9/3/T Economizer handle • 780/40 40 mm torch head • 785/15 Footstand + hook

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	mm-tube length	KJ/h	KW	g/h at 4 bar	kg	mm
• M10x1 LH	• G3/8" LH						
789/40	789/40/3	125	222480	61.78	4800	0.95	380x152x57



## PERKEO Propane roofing and heating torch with Ø 40 mm heavy-duty torch head

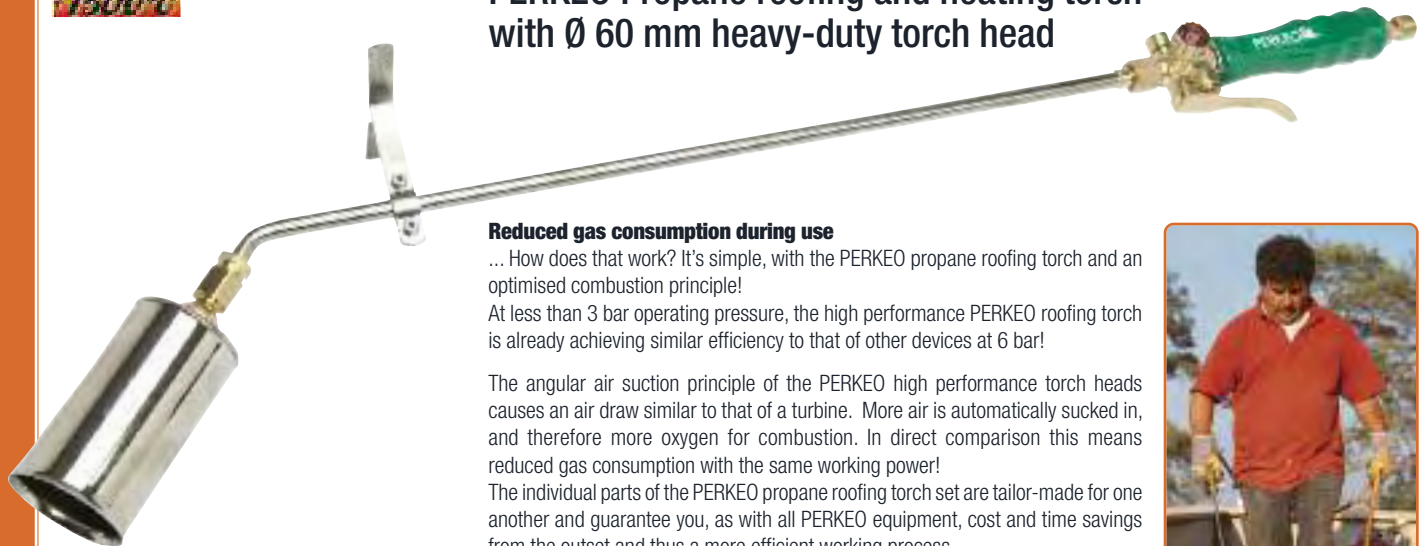
• 224/9/T or 224/9/3/T Economizer handle • 780/40 40 mm torch attachment • 785/20 Footstand

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	mm-tube length	KJ/h	KW	g/h at 4 bar	kg	mm
• M10x1 LH	• G3/8" LH						
780/61/01	780/61/01/3	125	222480	61.78	4800	0.81	388x96x42



## PERKEO Propane roofing and heating torch with Ø 60 mm heavy-duty torch head



### Reduced gas consumption during use

... How does that work? It's simple, with the PERKEO propane roofing torch and an optimised combustion principle!

At less than 3 bar operating pressure, the high performance PERKEO roofing torch is already achieving similar efficiency to that of other devices at 6 bar!

The angular air suction principle of the PERKEO high performance torch heads causes an air draw similar to that of a turbine. More air is automatically sucked in, and therefore more oxygen for combustion. In direct comparison this means reduced gas consumption with the same working power!

The individual parts of the PERKEO propane roofing torch set are tailor-made for one another and guarantee you, as with all PERKEO equipment, cost and time savings from the outset and thus a more efficient working process.

**Connections available: M10x1 LH or G3/8" LH**

Our high performance propane roofing torch set comprises:

- 224/9/T od. 224/9/3/T.....Economizer handle
- 601/50 .....Torch tube with 120° bend
- 780/60/1 .....Ø 60 mm torch head
- 785/20.....Footstand



Part no.	Part no.	mm-tube length	KJ/h	KW	g/h at 4 bar	kg	mm
• M10x1 LH	• G3/8" LH						
780/61/02	780/61/02/3	550	338355	93.95	7300	1.31	630x170x70



## PERKEO Propane roofing and heating torch set with Ø 60 mm heavy-duty torch head



- 224/9/T or 224/9/3/T Economizer handle
- 601/50 Torch tube with 120° bend
- 780/60/1 60 mm torch head
- 785/20 Footstand
- 403/3 or 403/4 5 or 10 m high pressure hose
- 570/2/01 Regulator 0-4 bar with hose-failure safety device
- 380/265 Combination wrench

**Connections available: M10x1 LH or G3/8" LH**

Part no.	Part no.	mm-tube length	m-hose length	KJ/h	KW	g/h at 4 bar	kg	mm
• M10x1 LH	• G3/8" LH							
780/61/10	780/61/10/3	550	5	338355	93.95	7300	3.32	630x170x70
780/61/11	780/61/11/3	550	10	338355	93.95	7300	4.47	30x170x170



## PERKEO P 1 propane roofing and heating torch with Ø 60 mm heavy-duty torch head



- 224/9/T or 224/9/3/T Economizer handle
- 601/60 Torch tube with 120° bend
- 780/60/2 60 mm torch head
- 785/20 Footstand

**Connections available: M10x1 LH or G3/8" LH**

Part no.	Part no.	mm-tube length	KJ/h	KW	g/h at 4 bar	kg	mm
• M10x1 LH	• G3/8" LH						
780/61/05	780/61/05/3	600	380070	105.53	8200	0.87	630x170x70

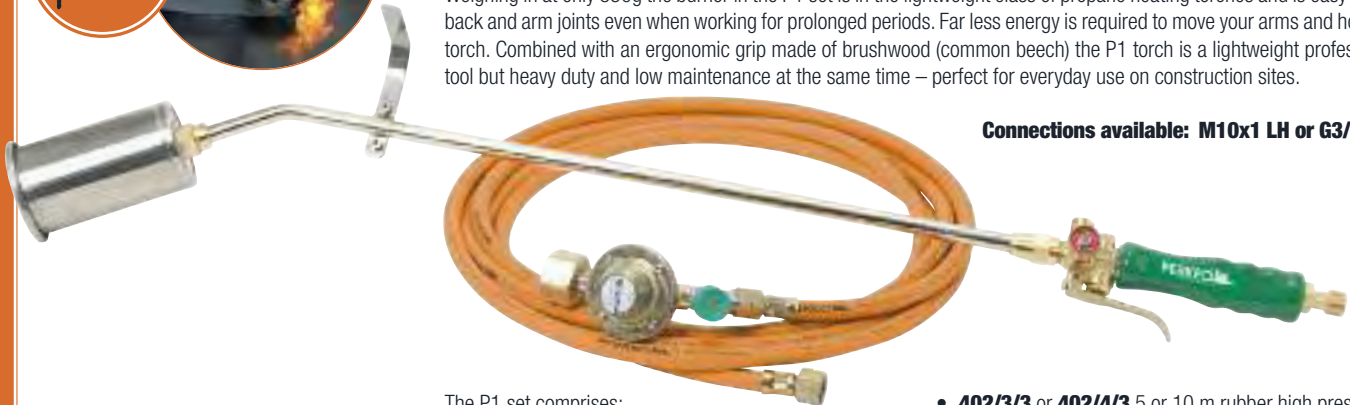


## PERKEO P1 propane roofing and heating torch set with Ø 60 mm heavy-duty torch head

### P1 – the lightweight professional champion

Weighing in at only 850g the burner in the P1 set is in the lightweight class of propane heating torches and is easy on the back and arm joints even when working for prolonged periods. Far less energy is required to move your arms and hold the torch. Combined with an ergonomic grip made of brushwood (common beech) the P1 torch is a lightweight professional tool but heavy duty and low maintenance at the same time – perfect for everyday use on construction sites.

Connections available: M10x1 LH or G3/8" LH



The P1 set comprises:

- 224/9/T or 224/9/3/T Heavy duty handle with automatic economy control and a fixed ignition flame that complies with BG regulation D 34 §11 paragraph 16
- 601/60 600mm long angled tube diffuser
- 780/60/2 Burner head made of stainless steel
- 785/20 Footstand

- 402/3/3 or 402/4/3 5 or 10 m rubber high pressure hose up to 30 bar, dimensions: 4x4mm, completely assembled with connections
- 570/1/02 Propane regulator with multiple connections for 5-33 kg cylinders, adjusted to 4 bar with integrated hose failure safety device.

Part no.	Part no.	mm-tube length	m-hose length	KJ/h	KW	g/h at 4 bar	kg	mm
• M10x1 LH	• G3/8" LH							
780/61/14	780/61/14/3	600	5	380070	105.53	8200	2.87	630x170x70
780/61/15	780/61/15/3	600	10	380070	105.53	8200	3.77	630x170x100



## PERKEO TITAN propane roofing and heating torch with Ø 60 mm heavy-duty torch head

### The lightweight-special amongst roofing torch!

The PERKEO TITAN is a featherweight roofing torch, whose component parts have been constructed from that extraordinary metal – titanium. Titanium is a light metal that is extracted from ore, just as steel is. However, the energy required to extract one ton of titanium from ore is around 16 times that required for steel. Titanium is around half of the weight of steel and is used in construction when low weight and high mechanical resilience are required, for example in aerospace technology, for armoured vehicles, in submarine construction, in high quality sports equipment, prosthetics etc.

Carrying out heating work with the PERKEO TITAN - at only half the weight - is kind to your back and also your wrists. Significantly less force is required for arm movements and for holding the torch. This combined with the ergonomic handle, made from hardwood (common beech), means that much of the working strain is removed by the TITAN. Light, robust and not susceptible to damage, a professional tool for daily use.



PERKEO-TITAN comprises:

- 224/9/T or 224/9/3/T ..Economizer handle
- 601/50/T .....TITAN torch tube w. 120° bend
- 780/60/1/T .....Ø 60 mm TITAN torch head
- 785/20 .....Footstand

Connections available:  
M10x1 LH or G3/8" LH

Part no.	Part no.	mm-tube length	KJ/h	KW	g/h at 4 bar	kg	mm
• M10x1 LH	• G3/8" LH						
780/61/02/T	780/61/02/3/T	550	338355	93.95	7300	0.60	630x170x70

# PROPANE • Roofing, heating, burning off



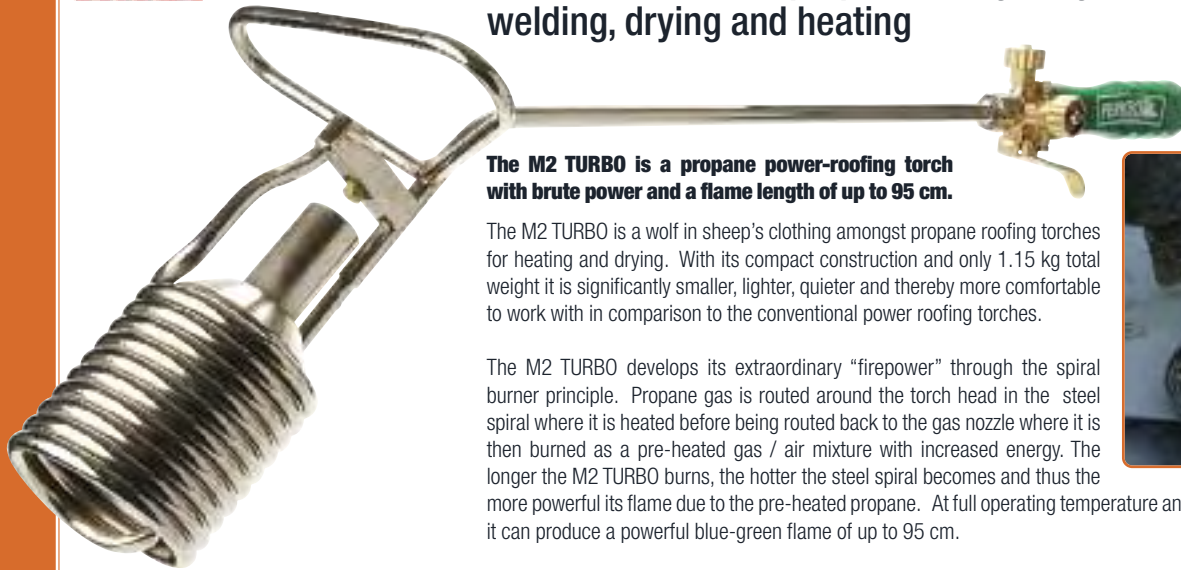
## PERKEO TITAN propane roofing and heating torch set with Ø 60 mm heavy-duty torch head

New

- 224/9/T or 224/9/3/T Economizer handle
- 601/50/T TITAN torch tube with 120° bend
- 780/60/1/T 60 mm TITAN torch head
- 785/20 Footstand
- 402/3 or 402/4 5 or 10 m high pressure hose
- 570/2/01 Regulator 0-4 bar with hose-failure safety device
- 380/265 Combination wrench

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	mm-tube length	m-hose length	KJ/h	KW	g/h at 4 bar	kg	mm
• M10x1 LH	• G3/8" LH							
780/61/10/T	780/61/10/3/T	550	5	338355	93.95	7300	2.61	630x170x70
780/61/11/T	780/61/11/3/T	550	10	338355	93.95	7300	3.76	630x170x170



## PERKEO M2 TURBO propane heavy-duty torch for welding, drying and heating

New

The M2 TURBO is a propane power-roofing torch with brute power and a flame length of up to 95 cm.

The M2 TURBO is a wolf in sheep's clothing amongst propane roofing torches for heating and drying. With its compact construction and only 1.15 kg total weight it is significantly smaller, lighter, quieter and thereby more comfortable to work with in comparison to the conventional power roofing torches.

The M2 TURBO develops its extraordinary "firepower" through the spiral burner principle. Propane gas is routed around the torch head in the steel spiral where it is heated before being routed back to the gas nozzle where it is then burned as a pre-heated gas / air mixture with increased energy. The longer the M2 TURBO burns, the hotter the steel spiral becomes and thus the more powerful its flame due to the pre-heated propane. At full operating temperature and with a consumption of 14 kg/h, it can produce a powerful blue-green flame of up to 95 cm.

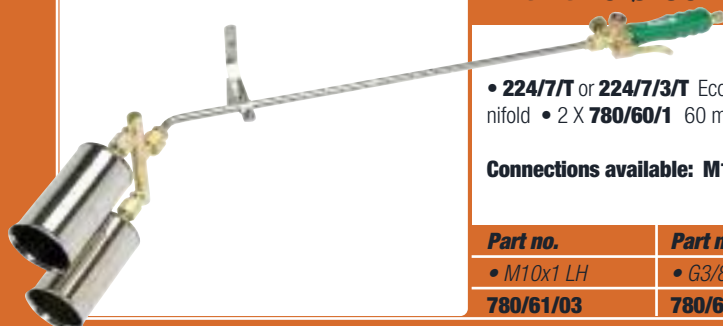


Connections available: M10x1 LH or G3/8" LH

The M2 TURBO comprises:

- 224/7/T or 224/7/3/T .....Economizer handle
- 780/80 .....M2 TURBO torch with 400 mm tube length and 135° bend, torch head diameter 80 mm and welded on footstand

Part no.	Part no.	mm-tube length	KJ/h	KW	g/h at 4 bar	kg	mm
• M10x1 LH	• G3/8" LH						
780/61/04	780/61/04/3	460	648900	180.18	14000	1.17	800x240x200



## PERKEO Propane roofing and heating torch with two Ø 60 mm heavy-duty torch heads

New

- 224/7/T or 224/7/3/T Economizer handle
- 601/50 Torch tube with 120° bend
- 275/2/T Double-connection manifold
- 2 X 780/60/1 60 mm torch heads
- 785/20 Footstand

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	mm-tube length	KJ/h	KW	g/h at 4 bar	kg	mm
• M10x1 LH	• G3/8" LH						
780/61/03	780/61/03/3	550	556200	154.44	12000	2.07	630x170x70

# PROPANE • Roofing, heating, burning off



## PERKEO Propane roofing and heating torch set with two Ø 60 mm heavy-duty torch heads



- 224/7/T or 224/7/3/T Economizer handle • 601/50 Torch tube with 120° bend • 275/2/T Double-connection manifold • 2 X 780/60/1 60 mm torch heads • 785/20 Footstand • 403/3 or 403/4 5 or 10 m high pressure hose • 570/2/01 Regulator 0-4 bar with hose-failure safety device • 380/265 Combination wrench

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	mm-tube length	m-hose length	KJ/h	KW	g/h at 4 bar	kg	mm
• M10x1 LH	• G3/8" LH							
780/61/12	780/61/12/3	550	5	556200	154.44	12000	4.08	630x170x70
780/61/13	780/61/13/3	550	10	556200	154.44	12000	5.23	630x170x170



## PERKEO Propane brazing and soldering equipment in sheet-steel box for 5-11 kg cylinders

- 359/04 Sheet-steel box • 570/2/T Adjustable regulator 0-4 bar • 402/1 or 402/1/3 2,5 m high pressure hose • 224/7/T or 224/7/3/T Economizer handle • 780/2/OK Soldering attachment • 208/2 or 208/5 or 209/2 350 g copper bit at option • 780/20, 780/25, 780/40 3 torch attachments 20-40 mm • 424 Gas lighter • 380/265 Combination wrench • 490/2 Hose-failure safety device

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/05/T4	799/05/3/T4	4.57	320x200x65



## PERKEO Propane brazing and welding equipment in sheet-steel box with 5 kg cylinder

- 795/03 5 kg propane cylinder • 570/2/T Adjustable regulator 0-4 bar • 402/1 or 402/1/3 2,5 m high pressure hose • 224/7/T or 224/7/3/T Economizer handle • 780/2/OK Soldering attachment • 208/2 or 208/5 or 209/2 350 g copper bit at option • 780/20, 780/25, 780/40 3 torch attachments 20-40 mm • 424 Gas lighter • 380/265 Combination wrench • 490/2 Hose-failure safety device • 359/04 Sheet-steel box • 463/7 Cylinder fixing device

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/13/1/T4	799/13/1/3/T4	13.40	310x375x610



## PERKEO Economizer handles with adjustable pilot flame

For heavy-duty applications - extremely robust and long-lived - 30-40 % savings in gas consumption due to economizer - hot-pressed brass lever - stainless steel and teflon wear parts - precise gas regulation - available either with ergonomic brush wood handle (common beech) or a light-weight, glass fiber reinforced and indestructible Ultramid handle - **connections available: M10x1 LH or G3/8" LH**

Part no.	Part no.	Handle version	kg	mm
• M10x1 LH	• G3/8" LH			
224/7/T	224/7/3/T	Brush wood (common beech)	0.37	80x190x52
224/2/T	224/2/3/T	Ultramid	0.34	80x190x47



## PERKEO Economizer handles with preset pilot flame

For heavy-duty applications - extremely robust and long-lived - 30-40 % savings in gas consumption due to economizer - hot-pressed brass lever - stainless steel and teflon wear parts - precise gas regulation - ergonomic brush wood handle (common beech) - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
224/9/T	224/9/3/T	0.38	80x183x54



## PERKEO Universal handles

For heavy-duty applications - extremely robust and long-lived - stainless steel and teflon wear parts - precise gas regulation - available either with ergonomic brush wood handle (common beech) or a light-weight, glass fiber reinforced and indestructible Ultramid handle - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	Handle version	kg	mm
• M10x1 LH	• G3/8" LH			
224/6/T	224/6/3/T	Brush wood (common beech)	0.24	35x170x48
224/3/T	224/3/3/T	Ultramid	0.19	27x170x43



## PERKEO Propane heat shrink torch attachments

Especially developed for shrinking of hoses and cable insulations - very soft but still wind-resistant flame - inlet G3/8" RH

Part no.	mm-head	mm-tube length	KJ/h	KW	g/h at 2 bar	kg	mm
780/15/S	Ø 19	110	24334	6.76	525	0.16	124x23x23
780/20/LS	Ø 20	135	24334	6.76	525	0.25	170x55x27
780/25/LS	Ø 25	135	48436	13.45	1045	0.29	172x55x32
780/40/LS	Ø 40	135	80649	22.39	1740	0.36	180x60x42
780/40/LS/L	Ø 40	215	80649	22.39	1740	0.40	325x124x42
780/60/LS	Ø 60	295	168019	46.65	3625	0.75	355x140x60



# PROPANE • Heat shrinking



## PERKEO Footstand for torch tubes

Can be fixed onto tube - high stability

Part no.	kg	mm
785/20	0.08	95x28x16



## PERKEO Propane heat shrink torch equipment in sheet-steel box for 5-11 kg cylinders

• 390/1/10 Sheet-steel box, 570/1/T Regulator 1,5 bar • 402/3 or 402/3/3 5 m high pressure hose • 224/9/T or 224/9/3/T Economizer handle • 780/15/S, 780/25/LS, 780/40/LS 3 heat shrink torches Ø 15-40 mm • 785/15 Footstand + hook • 424 Gas lighter • 380/265 Combination wrench • 490/2 Hose-failure safety device

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
799/06	799/06/3	4.85	470x220x90



## PERKEO Heavy-duty propane PIEZO heat shrink gun for plastic wraps

New

Suitable for the fast and even shrinking of polyethylene packaging films - automatic ignition by push-button - extremely high shrinking capacity due to patented combustion system at just 1.5 bar gas pressure!! - performance enhancement due to increased pressure - 2 year guarantee on the ignition - handy due to low weight and ergonomic design - torque lever with additional safety function - incl. rotating hose connection 380/V - inlet G 3/8" LH

Part no.	KJ/h	KW	g/h at 3 bar	kg	mm
794/05/1	262905	73.36	5700	1.05	340x220x60



## PERKEO Propane PIEZO heat shrink gun set for plastic wraps

New

• 794/05/1 Heat shrink gun • 380/V Rotating hose connection • 570/4/T Adjustable regulator 0-6 bar with working pressure gauge • 490/2 Hose-failure safety device • 402/4/3 8 m high pressure hose • sheet-steel box

Part no.	KJ/h	KW	g/h at 3 bar	kg	mm
799/06/5	262905	73.36	5700	3.60	500x320x120



## PERKEO Propane hoses according to DIN 4815

High pressure up to 30 bar max. - medium pressure up to 6 bar max. - extremely flexible - length as desired - roll length 40 m

Part no.	Pressure class	mm-inside	mm-thickness	kg/m
400/T4	MP	Ø 4	3.5	0.17
400	MP	Ø 6	3.5	0.20
400/T9	MP	Ø 9	3.5	0.23
402	HP	Ø 4	4	0.18
403	HP	Ø 6	5	0.24



## PERKEO High-pressure propane hoses according to DIN 4815 - with connections

For all PERKEO soldering systems - high pressure (HP) up to 30 bar max. - extremely flexible - **available with connections M10x1 LH x G3/8" LH - or - G3/8" LH x G3/8" LH**

Part no.	Part no.	m-length	Pressure class	mm-inside	mm-thickness	kg	mm
• G3/8" LH x M10x1 LH	• G3/8" LH x G3/8" LH						
402/1	402/1/3	2.5	HP	Ø 4	4	0.45	Ø 220x30
402/2	402/2/3	3	HP	Ø 4	4	0.54	Ø 220x40
402/3	402/3/3	5	HP	Ø 4	4	0.90	Ø 280x40
402/4	402/4/3	10	HP	Ø 4	4	1.80	Ø 300x70
402/5	402/5/3	20	HP	Ø 4	4	3.55	Ø 400x90



## PERKEO High-pressure propane hoses according to DIN 4815 - with connections - turning

Connection side of torch handle can be turned 360° - for all PERKEO soldering systems - high pressure (HP) up to 30 bar max. - extremely flexible - connections G3/8" LH x G3/8" LH

Part no.	m-length	Pressure class	mm-inside	mm-thickness	kg	mm
• G3/8" LH x G3/8" LH						
402/1/3D	2.5	HP	Ø 4	4	0.50	Ø 220x30
402/2/3D	3	HP	Ø 4	4	0.60	Ø 220x40
402/3/3D	5	HP	Ø 4	4	0.95	Ø 280x40
402/4/3D	10	HP	Ø 4	4	1.85	Ø 300x70



## PERKEO High-pressure propane hoses according to DIN 4815 - with connections

For all PERKEO roofing torches - high pressure (HP) up to 30 bar max. - extremely flexible - **available with connections M10x1 LH x G3/8" LH - or - G3/8" LH x G3/8" LH**

Part no.	Part no.	m-length	Pressure class	mm-inside	mm-thickness	kg	mm
• G3/8" LH x M10x1 LH	• G3/8" LH x G3/8" LH						
403/3	403/3/3	5	HP	Ø 6	5	1.35	Ø 400x40
403/4	403/4/3	10	HP	Ø 6	5	2.50	Ø 400x65

# PROPANE • Hoses, fittings



## PERKEO High-pressure propane hoses according to DIN 4815 - with connections - turning

Connection side of torch handle can be turned 360° - for all PERKEO roofing torches - high pressure (HP) up to 30 bar max. - extremely flexible - connections G3/8" LH x G3/8" LH

Part no.	m-length	Pressure class	mm-inside	mm-thickness	kg	mm
• G3/8" LH x G3/8" LH						
<b>403/3/3D</b>	5	HP	Ø 6	5	1.40	Ø 400x40
<b>403/4/3D</b>	10	HP	Ø 6	5	2.55	Ø 400x65



## PERKEO High-pressure propane hoses according to DIN 4815 - with connections and regulator 0-4 bar with hose failure safety device

For all PERKEO roofing torches - high pressure (HP) up to 30 bar max. - extremely flexible - including an adjustable propane regulator 0-4 bar with hose failure safety device **570/2/01** - available with connections **M10x1 LH x G3/8" LH - or - G3/8" LH x G3/8" LH**



Part no.	Part no.	m-length	Regulator	Pressure class	mm-inside	mm-thickness	kg	mm
• G3/8" LH x M10x1 LH	• G3/8" LH x G3/8" LH							
<b>415/10/01</b>	<b>415/10/01/3</b>	5	0-4 bar	HP	Ø 6	5	1.75	Ø 400x40
<b>415/10/02</b>	<b>415/10/02/3</b>	10	0-4 bar	HP	Ø 6	5	2.90	Ø 400x65



## PERKEO High-pressure propane hoses according to DIN 4815 - with connections and regulator 0-4 bar with hose failure safety device

For all PERKEO roofing torches - high pressure (HP) up to 30 bar max. - extremely flexible - including propane regulator preset to 4 bar with hose failure safety device **570/1/02** - available with connections **M10x1 LH x G3/8" LH - or - G3/8" LH x G3/8" LH**



Part no.	Part no.	m-length	Regulator	Pressure class	mm-inside	mm-thickness	kg	mm
• G3/8" LH x M10x1 LH	• G3/8" LH x G3/8" LH							
<b>415/10/03</b>	<b>415/10/03/3</b>	5	4 bar	HP	Ø 6	5	1.75	Ø 400x40
<b>415/10/04</b>	<b>415/10/04/3</b>	10	4 bar	HP	Ø 6	5	2.90	Ø 400x65



## PERKEO Hose clamps

For fast and safety fixing hoses with outside diameters of 7-16 mm - band and body made of stainless steel 1.4016, screw zinc coated



Part no.	for outside mm	band width mm	kg	mm
<b>406/02/01</b>	Ø 7 - 11	5	0.01	Ø 15x5
<b>406/02/02</b>	Ø 8 - 12	9	0.01	Ø 17x9
<b>406/02/03</b>	Ø 10 - 16	9	0.01	Ø 21x9



## PERKEO 1-ear clamps with insert



For fast and safety fixing hoses with outside diameters of 7-16 mm

Part no.	for outside mm	band width mm	kg	mm
406/01/01	Ø 7 - 8.2	6.4	0.01	Ø 8x6
406/01/02	Ø 8.8 - 10.5	7.4	0.01	Ø 10x7
406/01/03	Ø 10.6 - 12.6	8.2	0.01	Ø 13x8
406/01/04	Ø 12.8 - 14.8	8.2	0.01	Ø 15x8
406/01/05	Ø 14.6 - 16.8	8.2	0.01	Ø 17x8



## PERKEO Hose clamps

For fixing hoses with outside diameters of 9-21 mm

Part no.	for outside mm	kg	mm
406	Ø 9-12	0.01	89x15x17
406/1	Ø 12-21	0.01	165x22x27



## PERKEO Threaded hose couplings with left-hand thread

Hose nipples with cap nuts

Part no.	Screw thread	mm-nipple	kg	mm	Part no.	Screw thread	mm-nipple	kg	mm
380/L/T4	M10x1 LH	Ø 4	0.01	SW12x28	380/I/T3	G3/8" LH	Ø 3	0.04	SW19x28
380/L	M10x1 LH	Ø 6	0.02	SW12x39	380/I/T4	G3/8" LH	Ø 4	0.04	SW19x33
380/L/T9	M10x1 LH	Ø 9	0.01	SW12x39	380/I	G3/8" LH	Ø 6	0.04	SW19x50
380/K/T4	G1/4" LH	Ø 4	0.03	SW17x49	380/I/T9	G3/8" LH	Ø 9	0.04	SW19x50
380/K	G1/4" LH	Ø 6	0.03	SW17x49	380/N	G1/2" LH	Ø 6	0.07	SW24x60
380/K/T9	G1/4" LH	Ø 9	0.04	SW17x49	380/N/T9	G1/2" LH	Ø 9	0.08	SW24x60

Other designs upon request

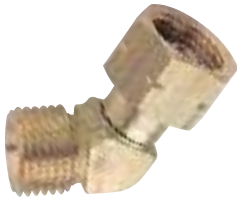


## PERKEO Threaded hose couplings with right-hand thread

Hose nipples with cap nuts

Part no.	Screw thread	mm-nipple	kg	mm	Part no.	Screw thread	mm-nipple	kg	mm
380/G/T3	G1/4" RH	Ø 3	0.03	SW17x40	380/M	G1/2" RH	Ø 6	0.05	SW24x52
380/G/T4	G1/4" RH	Ø 4	0.03	SW17x47	380/M/T9	G1/2" RH	Ø 9	0.05	SW24x52
380/G	G1/4" RH	Ø 6	0.03	SW17x47					
380/G/T9	G1/4" RH	Ø 9	0.03	SW17x47					
380/H/T4	G3/8" RH	Ø 4	0.04	SW19x33					
380/H	G3/8" RH	Ø 6	0.04	SW19x52					
380/H/T9	G3/8" RH	Ø 9	0.04	SW19x50					

Other designs upon request



## PERKEO Swivel adaptors with left-hand threads

Connection side of torch handle can be turned 360° - for all PERKEO handles with G3/8" LH connection

Part no.	Inlet	Outlet	kg	mm
380/V	G3/8" LH	G3/8" LH	0.06	41x19x19



## PERKEO Screw nipple with left-hand thread



Hose screw nipple with female screw thread made of brass

Part no.	Screw thread	mm-nipple	kg	mm
380/L/T9/S	M10x1 LH	Ø 9	0.05	SW17x47



## PERKEO Hose splices

For hose connections

Part no.	Inlet	Outlet	kg	mm
487/1/T4	Nipple Ø 4	Nipple Ø 4	0.02	Ø 6x73
487/1/T6	Nipple Ø 6	Nipple Ø 6	0.02	Ø 9x73
487/1/T9	Nipple Ø 9	Nipple Ø 9	0.03	Ø 13x72
487/1/T4/T6	Nipple Ø 4	Nipple Ø 6	0.03	Ø 9x72
487/1/T6/T9	Nipple Ø 6	Nipple Ø 9	0.03	Ø 13x85



## PERKEO Double-thread nipples

With male thread and inner cone

Part no.	Screw thread	kg	mm	Part no.	Screw thread	kg	mm
153/2	G3/8" LH x G3/8" LH	0.03	SW19x27	153/4	G3/8" RH x G1/4" RH	0.03	SW19x30
153/6	G3/8" LH x G3/8" RH	0.03	SW19x30	153/8	G3/8" RH x G1/2" RH	0.03	SW22x35
153/17	G3/8" LH x G1/4" LH	0.03	SW17x36	153/3	G1/4" RH x G1/4" RH	0.03	SW17x27
153/5	G3/8" LH x G1/4" RH	0.03	SW19x27	153/12	G1/4" LH x G1/4" RH	0.03	SW17x27
153/10	G3/8" LH x M10x1 LH	0.03	SW19x27	153/7	G1/4" LH x G1/4" LH	0.03	SW17x27
153/18	G3/8" LH x G1/2" LH	0.03	SW22x41	153/9	G1/2" RH x G1/2" RH	0.03	SW17x27
153/19	G3/8" LH x G1/2" RH	0.03	SW22x41	153/15	G1/2" RH x G1/2" LH	0.03	SW22x44
153/1	G3/8" RH x G3/8" RH	0.03	SW19x27	153/16	G1/2" LH x G1/2" LH	0.03	SW22x44
153/20	G3/8" RH x G1/4" LH	0.03	SW17x36	Other designs upon request			



## PERKEO Reducing nipple G3/8" LH and G3/8" RH



All male threads with inner cone

Part no.	Female thread	Male thread	kg	mm	Part no.	Female thread	Male thread	kg	mm
<b>154/4</b>	G3/8" LH	G3/8" LH	0.03	SW19x33	<b>154/10</b>	G3/8" RH	G3/8" RH	0.03	SW19x29
<b>154/5</b>	G3/8" LH	G3/8" RH	0.03	SW19x33	<b>154/11</b>	G3/8" RH	G3/8" LH	0.03	SW19x33
<b>154/6</b>	G3/8" LH	G1/4" LH	0.03	SW19x28	<b>154/12</b>	G3/8" RH	G1/4" RH	0.03	SW19x29
<b>154/7</b>	G3/8" LH	G1/4" RH	0.03	SW19x24	<b>154/13</b>	G3/8" RH	G1/2" RH	0.03	SW22x36
<b>154/8</b>	G3/8" LH	G1/2" LH	0.03	SW22x36	<b>154/25</b>	G3/8" RH	M14x1 RH	0.03	SW19x29
<b>154/9</b>	G3/8" LH	G1/2" RH	0.03	SW24x32					



## PERKEO Reducing nipple G1/4" LH + RH and G1/2" LH + RH



All male threads with inner cone

Part no.	Female thread	Male thread	kg	mm	Part no.	Female thread	Male thread	kg	mm
<b>154/14</b>	G1/4" LH	G3/8" LH	0.03	SW17x25	<b>154/21</b>	G1/2" LH	G3/8" LH	0.03	SW24x30
<b>154/15</b>	G1/4" LH	G1/2" LH	0.03	SW22x26	<b>154/22</b>	G1/2" RH	G1/2" RH	0.03	SW24x33
<b>154/16</b>	G1/4" LH	G3/8" RH	0.03	SW17x25	<b>154/23</b>	G1/2" RH	G3/8" RH	0.03	SW24x32
<b>154/17</b>	G1/4" RH	G1/4" RH	0.03	SW17x28	<b>154/24</b>	G1/2" RH	G1/4" RH	0.03	SW24x26
<b>154/18</b>	G1/4" RH	G1/4" LH	0.03	SW17x28	Other designs upon request				
<b>154/19</b>	G1/4" RH	G3/8" RH	0.03	SW19x29					
<b>154/20</b>	G1/4" RH	G3/8" LH	0.03	SW17x25					



## PERKEO Reducing nipple M10 x 1 LH

With male and female thread - adaptor for connection to all PERKEO handles with connection thread M10x1 LH

Part no.	Female thread	Male thread	kg	mm
<b>154/1</b>	M10x1 LH	G3/8" LH	0.02	Ø16x21

# PROPANE • Quick-release couplings



## PERKEO Propane quick-release couplings according to DIN-EN 561

Connection to regulators - with automatic gas shut-off

Part no.	Inlet	Outlet	kg	mm
492/5	G3/8" LH	G3/8" LH	0.16	Ø 21x90
492/5/T6	G3/8" LH	Nipple Ø 6	0.16	Ø 21x108
492/5/T9	G3/8" LH	Nipple Ø 9	0.16	Ø 21x108

## PERKEO Propane quick-release couplings according to DIN-EN 561

### Rapid changer and rotating connection in one!

The quick-release coupling facilitates quick and easy switching of the torch with a connected gas cylinder! This is made possible by the automatic gas-stop function. A membrane in the coupling prevents unwanted gas from escaping during decoupling. Additionally, the torch handle can be turned 360° through the use of the quick-release coupling. This means less effort in terms of arm movements when heating with the roofing torch. Manual work is considerably eased.



Connection to torch handles - with automatic gas shut-off



Simply decouple the torch from the propane hose and couple another torch - done!

Part no.	Inlet	Outlet	kg	mm
492/1	G3/8" LH	G3/8" LH	0.14	Ø 21x90
492/1/T6	Nipple Ø 6	G3/8" LH	0.14	Ø 21x95
492/1/T9	Nipple Ø 9	G3/8" LH	0.14	Ø 21x95



## PERKEO Propane quick-release couplings according to DIN-EN 561

Connection between gas hoses - with automatic gas shut-off

Part no.	Inlet	Outlet	kg	mm
492/3	G3/8" LH	G3/8" LH	0.16	Ø 21x90
492/3/T6	Nipple Ø 6	Nipple Ø 6	0.16	Ø 21x126
492/3/T9	Nipple Ø 9	Nipple Ø 9	0.16	Ø 21x126

# PROPANE • Regulators



## PERKEO Constant-pressure propane regulator for 0.425 kg on-site cylinder

Preset to 1.5 bar - solid brass design - built-in sintered metal filters protect soldering systems against jelling when cylinder tips over or was recently filled

Part no.	bar-working pressure	g/h max.	Inlet	Outlet	kg	mm
570/T	1.5	1500	G3/8" LH	G3/8" LH	0.28	78x45x36



## PERKEO Propane regulator for 0.425 kg on-site cylinder

Continuously adjustable from 0 to 6 bar - solid brass design - built-in sintered metal filters protect soldering systems against jelling when cylinder tips over or was recently filled

Part no.	bar-working pressure	g/h max.	Inlet	Outlet	kg	mm
570/3/T	0-6	4000	G3/8" LH	G3/8" LH	0.28	78x45x36



## PERKEO Constant-pressure propane regulator

Preset to 1.5 bar - available for 5-11 kg or 33 kg cylinders - solid brass design - built-in sintered metal filters protect soldering systems against jelling

Part no.	kg-cylinder	bar-work. pressure	g/h max.	Inlet	Outlet	kg	mm
570/1/T	5-11	1.5	1500	W21,8x1/14" LH	G3/8" LH	0.40	78x70x38
570/1/1/T	33	1.5	1500	W21,8x1/14" LH	G3/8" LH	0.40	78x70x38



## PERKEO Propane regulator

Continuously adjustable from 0 to 6 bar - available for 5-11 kg or 33 kg cylinders - solid brass design - built-in sintered metal filters protect soldering systems against jelling

Part no.	kg-cylinder	bar-work. pressure	g/h max.	Inlet	Outlet	kg	mm
570/2/T	5-11	0-6	10000	W21,8x1/14" LH	G3/8" LH	0.42	78x89x38
570/2/1/T	33	0-6	10000	W21,8x1/14" LH	G3/8" LH	0.46	78x89x38



# PROPANE • Regulators



## PERKEO Propane regulators with working pressure gauge

Continuously adjustable from 0 to 6 bar - available for 5-11 kg or 33 kg cylinders - solid brass design - built-in sintered metal filters protect soldering systems against jelling

Part no.	kg-cylinder	bar-work. pressure	g/h max.	Inlet	Outlet	kg	mm
570/4/T	5-11	0-10/6	10000	W21,8x1/14" LH	G3/8" LH	0.50	78x89x75
570/4/1/T	33	0-10/6	10000	W21,8x1/14" LH	G3/8" LH	0.50	78x89x75



## PERKEO Constant-pressure propane regulator with hose-failure safety device



For all PERKEO roofing torches - preset to 4 bar - including a hose-failure safety device - connection for 5-33 kg-propane cylinders - BAM-tested - solid design with big gas discharge

Part no.	kg-cylinder	bar-work. pressure	g/h max.	Inlet	Outlet	kg	mm
570/1/02	5-33	4	12000	W21,8x1/14" LH	G3/8" LH	0.40	125x70x60



## PERKEO Propane regulator with hose-failure safety device



For all PERKEO roofing torches - continuously adjustable from 0 to 4 bar - including a hose-failure safety device - connection for 5-33 kg-propane cylinders - BAM-tested - solid design with big gas discharge

Part no.	kg-cylinder	bar-work. pressure	g/h max.	Inlet	Outlet	kg	mm
570/2/01	5-33	0-4	12000	W21,8x1/14" LH	G3/8" LH	0.40	125x70x60



## PERKEO Propane regulator according to DIN EN ISO 2503

Single-stage version - solid brass design - with shut-off and safety valve - to be employed, if propane from >5 kg cylinders is used together with oxygen or compressed air - connection for 5-33 kg cylinders - BAM-tested - version with gauge protection covers = **392/01/K/T6**

Part no.	kg-cylinder	bar-work. pressure	g/h max.	Inlet	Outlet	kg	mm
392/01/T6	5-33	0-6/4	10000	W21,8x1/14" LH	G3/8" LH	1.30	200x200x76

# PROPANE • Regulators



## PERKEO Low constant-pressure propane regulators according to DIN EN 12864

Preset to 0.05 bar - available for 5-11 kg or 33 kg cylinders - DVGW-tested

Part no.	kg-cylinder	bar-work. pressure	g/h max.	Inlet	Outlet	kg	mm
<b>569</b>	5-11	0.05	1500	W21,8x1/14" LH	G1/4" LH	0.33	86x167x41
<b>569/1</b>	33	0.05	4000	W21,8x1/14" LH	G1/2" LH	0.52	86x167x41



## PERKEO Propane pipeline regulators

Inlet pressure 20 bar max. - single-stage version - with working pressure gauge - solid brass design

Part no.	bar-work. pressure	g/h max. at 10 bar	Inlet	Outlet	kg	mm
<b>395/03</b>	0-4/2.5	17000	G3/8" LH	G3/8" LH	1.00	120x160x65
<b>395/03/4</b>	0-6/4	40000	G3/8" LH	G3/8" LH	1.00	120x160x65



## PERKEO Propane hose-failure safety device

Automatic interruption of gas supply if hose is damaged or loose, as soon as normal quantity is exceeded - DVGW-tested

Part no.	bar-work. pressure	g/h max.	Inlet	Outlet	kg	mm
490/2	from 1.5	14000	G3/8" LH	G3/8" LH	0.10	63x38x18



## PERKEO Propane flashback arrestor according to DIN-EN 730/ISO 5175

Connection to regulators of individual cylinders or pipelines - flashback arrestor with flame trap, temperature-controlled after-flow barrier, non-return valve to prevent reverse flow of gases and filter - BAM-tested

Part no.	Gas	bar-work. pressure max.	g/h max.	Inlet	Outlet	kg	mm
979	Propane	3.5	21600	G3/8" LH	G3/8" LH	0.13	Ø 21x90



## PERKEO Propane flashback arrestor according to DIN-EN 730/TRAC 207

Connection to regulators of individual cylinders or pipelines - with major throughput rate and additional safety elements - flashback arrestor with flame trap, temperature- and pressure-controlled after-flow barrier, non-return valve to prevent reverse flow of gases and filter - BAM-tested

Part no.	Gas	bar-work. pressure max.	g/h max.	Inlet	Outlet	kg	mm
974/02	Propane	5	48600	G3/8" LH	G3/8" LH	0.60	65x125x50



## PERKEO Propane flashback arrestors according to DIN-EN 730/ISO 5175

Connection to torch handle with individual cylinder - safety device for individual cylinders with flame trap, non-return valve to prevent reverse flow of gases and filter - BAM-tested

Part no.	Gas	bar-work. pressure max.	g/h max.	Inlet	Outlet	kg	mm
976	Propane	3.5	21600	G3/8" LH	G3/8" LH	0.09	Ø 21x90
976/T6	Propane	3.5	21600	Nipple Ø 6	G3/8" LH	0.09	Ø 22x79
976/T9	Propane	3.5	21600	Nipple Ø 9	G3/8" LH	0.09	Ø 22x79



**PERKEO Propane flashback arrestors according to DIN-EN 730/ISO 5175**

Connection between gas hoses of individual cylinders - safety device for individual cylinders with flame trap, non-return valve to prevent reverse flow of gases and filter - BAM-tested

Part no.	Gas	bar-work. pressure max.	g/h max.	Inlet	Outlet	kg	mm
975/1/T4	Propane	3.5	21600	Nipple Ø 4	Nipple Ø 4	0.09	Ø 22x79
975/1	Propane	3.5	21600	Nipple Ø 6	Nipple Ø 6	0.09	Ø 22x79
975/1/T9	Propane	3.5	21600	Nipple Ø 9	Nipple Ø 9	0.09	Ø 22x79



**PERKEO Propane gas-leak and hose-failure safety device with built-in medium-pressure regulator**

Safety device for jobs under ground level with equipment that consumes 6000 g/h max. - with built-in medium-pressure regulator for adjustable outlet pressure from 0 to 4 bar - solid brass design - DVGW-tested

Part no.	bar-working pressure	g/h max.	Inlet	Outlet	kg	mm
490/10/1	0-4	6000	W21.8x1/14" LH	M22x1.5 LH	1.00	98x84x68



**PERKEO Propane double hoses**

Safety hoses for jobs under ground level for connection to gas-leak and hose-failure safety devices

Part no.	m-length	Inlet	Outlet	kg	mm
490/10/2	3	M22x1.5 LH	M22x1.5 LH	1.40	Ø 400x50
490/10/3	5	M22x1.5 LH	M22x1.5 LH	2.53	Ø 400x60
490/10/4	10	M22x1.5 LH	M22x1.5 LH	4.90	Ø 400x80



**PERKEO Connection nipple**

Adaptor for gas-leak and hose-failure safety devices for connection to handles

Part no.	Inlet	Outlet	kg	mm
490/10/11	M22x1.5 LH	M10x1 LH	0.01	Ø 20x39
490/10/12	M22x1.5 LH	G3/8" LH	0.01	Ø 20x24



## PERKEO Angle needle regulation valves

For universal use - valve stem made of high-quality stainless steel - gasket of valve made of indestructible teflon - precise regulation by means of spring mechanism

Part no.	Female thread	Male thread	kg	mm
156/1/1	G1/4" RH	G3/8" RH	0.14	37x58x22
156/1/2	G1/4" RH	G3/8" LH	0.14	37x58x22



## PERKEO Needle regulation valves

For universal use - fitting for almost all torch attachments - valve stem made of high-quality stainless steel - gasket of valve made of indestructible teflon - precise regulation by means of spring mechanism - male thread on both sides

Part no.	Screw thread	kg	mm
272/N/1	G3/8" LH x G3/8" LH	0.15	52x45x28
272/N/2	G3/8" RH x G3/8" RH	0.15	52x45x28
272/N/3	G3/8" LH x G3/8" RH	0.15	52x45x28



## PERKEO Double-connection manifolds

For universal use - can be shut off separately by means of two needle regulation valves - valve stems made of high-quality stainless steel - gaskets of valves made of indestructible teflon - precise regulation by means of spring mechanisms

Part no.	Inlet	Outlet	kg	mm
274/02/T	G1/4" LH	2 x G1/4" LH	0.23	96x60x28
274/1/T	G3/8" LH	2 x G3/8" LH	0.23	96x60x28



## PERKEO Triple-connection manifolds

For universal use - can be shut off separately by means of three needle regulation valves - valve stems made of high-quality stainless steel - gaskets of valves made of indestructible teflon - precise regulation by means of spring mechanisms

Part no.	Inlet	Outlet	kg	mm
274/31/T	G1/4" LH	3 x G1/4" LH	0.43	135x75x47
274/30/T	G3/8" LH	3 x G3/8" LH	0.43	135x75x47



## PERKEO Quadruple-connection manifold

For universal use - can be shut off separately by means of four needle regulation valves - valve stems made of high-quality stainless steel - gaskets of valves made of indestructible teflon - precise regulation by means of spring mechanisms

<b>Part no.</b>	<b>Inlet</b>	<b>Outlet</b>	<b>kg</b>	<b>mm</b>	
<b>274/40/T</b>	G3/8" LH	4 x G3/8" LH	0.53	187x75x48	

# PROPANE • Decanting adaptors, decanting couplings



## PERKEO Propane decanting adaptors

For filling 0.425 kg on-site cylinders from 5-11 kg or 33 kg cylinders - built-in sintered metal filters protect soldering systems against jelling

Part no.	Version for cylinders	Inlet	Outlet	kg	mm
797/04	5-11 kg	W21.8x1/14" LH	G3/8" LH	0.17	83x32x32
797/03	33 kg	W21.8x1/14" LH	G3/8" LH	0.20	78x30x30



## PERKEO Propane decanting adaptor

Long version - for filling 0.425 kg on-site cylinders from 5-11 kg cylinders - built-in sintered metal filters protect soldering systems against jelling

Part no.	Version for cylinders	Inlet	Outlet	kg	mm
797/05	5-11 kg – long	W21.8x1/14" LH	G3/8" LH	0.25	158x32x32



## PERKEO Propane refilling station

### Refill safely using the pivot principle

With this mobile system, refilling with propane gas from 5 and 11 kg cylinders is no longer an arduous juggling act. The large cylinder is simply placed in the stand and turned on its head using the pivot principle. Now the refilling process can commence safely, and with the turn of a hand the small cylinder is full once more!

The mobile system is equipped with wheels, so that the refill station can be moved outdoors for the filling process - as per TRG 402 "Operating filling systems; volumetric filling of craftsman's cylinders with liquefied gas".

Scope of supply:  
Without gas cylinders and decanting adaptor



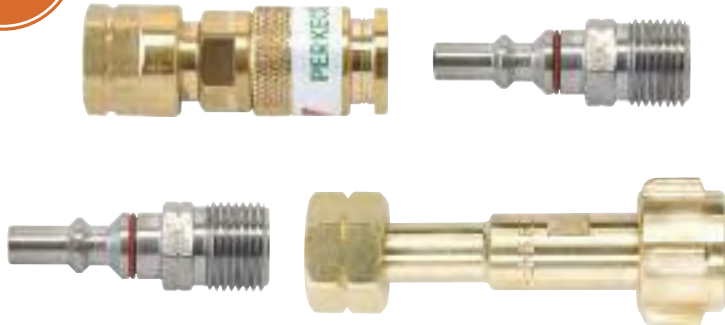
Part no.	kg	mm
455/02/01	13.00	200x550x900

# PROPANE • Decanting adaptors, decanting couplings



## PERKEO QUICKY propane refill ret for filling all small propane cylinders from 5-11 kg cylinders WITHOUT tools!

Time saved due to coupling instead of screwing - instead of unscrewing, screwing, unscrewing and screwing again simply uncouple by hand and couple together like a garden hose - automatic gas stop function upon uncoupling means that no gas can escape from the small cylinder with an open valve



### Complete starter set for a soft-soldering system comprising:

- 1 x **492/5** QUICKY quick-release coupling for attaching to the soldering system
- 1 x **492/5/St** QUICKY stainless steel set screw for attachment to propane decanting adaptor
- 1 x **797/04** Propane decanting adaptor for attaching to the supplying cylinder (with integrated sintered metal filters for protecting the soldering equipment against the accumulation of deposits)



Part no.	Inlet QUICKY	Outlet QUICKY	Inlet decanting adaptor	Outlet decanting adaptor	Inlet QUICKY-screw	Outlet QUICKY-screw	kg	mm
492/5/01	G3/8" LH - FT	G3/8" LH - MT	W21.8x1/14" LH	G3/8" LH - MT	G3/8" LH - MT	Coupling	0.39	105x100x25



## PERKEO QUICKY quick-release coupling - INDIVIDUAL -



Individual QUICKY quick-release coupling for integrating additional soft soldering systems into the QUICKY refill system - time saved due to coupling instead of screwing - instead of unscrewing, screwing, unscrewing and screwing again simply uncouple by hand and couple together like a garden hose - simple to attach to a soft soldering system - robust design: coupling element from solid brass and coupling screw from robust stainless steel - automatic gas stop function when uncoupling from brass element

Part no.	Inlet	Outlet	kg	mm
492/5/02	G3/8" LH - FT	G3/8" LH - MT	0.16	21x90



## PERKEO QUICKY quick-release coupling screw - INDIVIDUAL -



Individual QUICKY quick-release coupling screw for integrating additional supply cylinder(s) into the QUICKY refill system - time saved due to coupling instead of screwing - instead of unscrewing, screwing, unscrewing and screwing again simply uncouple by hand and couple together like a garden hose - simple to attach to a soft soldering system - robust design from tough stainless steel

Part no.	Inlet	Outlet	kg	mm
492/5/ST	G3/8" LH - MT	Coupling	0.06	21x35



# PROPANE • Cylinders, valves, transport, cabinets



## PERKEO Propane cylinders

Versions with capacities of 5 kg or 11 kg - filled - TÜV-tested - with valve, base and carrying handle

Part no.	kg-content	bar-design pressure	Outlet	kg	mm
795/03	5	30	W21.8x1/14" LH	11.70	Ø 230x511
795/04	11	30	W21.8x1/14" LH	24.00	Ø 300x605



## PERKEO On-site propane cylinders

Versions for 0.425 kg propane filling - ready to be filled with valve - made of seam-less precision light steel tube - wide and stable base - 3-parts suspension swivel hook prevents twisting - can be filled by the user - TÜV-tested

Part no.	Version	kg-content	bar-design pressure	Outlet	kg	mm
795/01/1/T	with base	0.425	225	G3/8" LH	2.10	Ø 140x346
795/0F/1/T	without base	0.425	225	G3/8" LH	1.90	Ø 95x346
795/01/FÜL	filling	0.425	-	-	0.425	-



## PERKEO On-site propane cylinders



Version for 0.425 kg propane filling - ready to be filled with valve - small welded version with safety pressure-relief valve - wide stable base - with hook - can be filled by the user - TÜV-tested

Part no.	Version	kg-content	bar-design pressure	Outlet	kg	mm
795/01/2/T	with base	0.425	30	G3/8" LH	1.50	125x255
795/01/FÜL	filling	0.425	-	-	0.425	-



## PERKEO On-site propane cylinder valves

Only for 0.425 kg on-site cylinders with 225 bar design pressure - available with 3-part suspension hook, bow with swivel to be turned 360° - all with tin foil sealing bush

Part no.	Version	Outlet	kg	mm
795/07/1/T	with hook	G3/8" LH	0.32	168x50x34
795/07	without hook	G3/8" LH	0.25	168x30x34
609/14	only hook	-	0.07	97x90x10



## PERKEO On-site propane cylinder valve

*New*

Only for small welded version 0.425 kg on-site cylinders with safety pressure-relief valve and 30 bar design pressure - Complete with suspension hook - All with tin foil sealing bush

Part no.	Version	Outlet	kg	mm
795/07/2/T	with hook	G3/8" LH	0.32	168x50x34



## PERKEO Hexagon cap nut for 0.425 kg on-site cylinder valve

Hexagon cap nut with rubber seal for safe transportation of filled 0.425 kg propane steel cylinders according to GGVS (German regulations for the transportation of dangerous goods on roads)

Part no.	Thread	kg	mm
300/60	G3/8" LH	0.01	SW17x16



## PERKEO Valve protection for steel cylinders

*New*

Hoop guard for safe transportation of filled 0.425 kg propane steel cylinders according to GGVS (German regulations for the transportation of dangerous goods on roads)

Part no.	Version	kg	mm
617/01/05	Only on-site cylinders with 225 bar design pressure	0.41	98x94x94
617/01/07	Only on-site cylinder with safety pressure-relief valve and 30 bar design pressure	0.18	125x105x85



## PERKEO Propane steel cylinder trolleys

Version for 1 x 11 kg propane steel cylinder - wheel-mounted - solid tires

Part no.	kg	mm
455/01/04	10.50	920x450x300



**PERKEO Propane steel cylinder rolling cart**

Version for 1 x 11 kg propane steel cylinder - chassis with three wheels, guide wheel and wheel-locking brake - with torch and hose holding device - solid tires

Part no.	kg	mm
455/01/05	11.00	860x450x600



**PERKEO Transport safeguard for propane cylinders**



Robust transport safeguard for full 5 kg and 11 kg propane cylinders on open cargo bays - safe transportation as per ADR/GGVs/BG - stable iron framework with 3-fold safeguard: 1 x half moon ring welded onto the base section, 1 x tension belt with slide bar lock and 1 x chain guard for carrier handle - for firm positioning on the cargo bay

Part no.	kg	mm
455/02/02	5.98	370x520x100



**PERKEO Propane cylinder cabinets**

Versions for 11 kg or 33 kg propane cylinders - with back panel upon request

Part no.	Version for cylinders	No. of cylinders	kg	mm
463/01/01	11 kg	1	11.00	460x750x400
463/01/02	11 kg	2	15.00	840x750x400
463/02/01	33 kg	1	19.00	460x1500x400
463/02/02	33 kg	2	26.00	840x1500x400
463/02/03	33 kg	4	42.00	1680x1500x400
463/02/04	33 kg	6	60.00	2520x1500x400



**PERKEO Individual propane cylinder system according to DIN EN 12864**

Connection to 1 x 33 kg propane cylinder - out-door system for low pressure range up to 50 mbar - consisting of low pressure regulator with safety shut-off valve, safety relief valve, 400 mm hose and accessories - "open" or "closed" position immediately distinguishable

Part no.	Version for cylinders	No. of cylinders	bar Inlet	mbar Outlet	g/h max.	kg	mm
463/10/01	33 kg	1	up to 16	50	4000	1.8	120x150x400



## PERKEO Double propane cylinder system according to DIN EN 12864

Connection to 2 x 33 kg propane cylinders - out-door system for low pressure range up to 50 mbar with double shut-off block - consisting of low pressure regulator with safety shut-off valve, safety relief valve, double shut-off block, 2 x 300 mm hose and accessories - "open" or "closed" position immediately distinguishable - other versions upon request

Part no.	Version for cylinders	No. of cylinders	bar Inlet	mbar Outlet	g/h max.	kg	mm
463/10/02	33 kg	2	up to 16	50	4000	4.64	300x150x300



## PERKEO Propane cylinder coupling

For simultaneous use of 2 x 5-33 kg cylinders - can be coupled by means of a connecting device - 400 mm high pressure propane hose with brass double-connection manifold

Part no.	Inlets	Outlet	kg	mm
603	2 x W21.8x1/14" LH	1 x W21.8x1/14" LH	0.64	470x34x34



## PERKEO Angular propane adaptor

Adaptor for the connection of 1 x 5-11 kg propane cylinder regulator to a 0.425 kg on-site cylinder - solid brass version

Part no.	Inlet	Outlet	kg	mm
168	G3/8" LH	W21.8x1/14" LH	0.17	44x38x24



## PERKEO Gas cartridge valve

*New*

Regulation valve for gas cartridges - inlet 7/16"x25 UNF - outlet G3/8" LH

Part no.	kg	mm
570/01/T	0.1	45x38x35



## PERKEO Gas lighter - bow-shaped

Bow-shaped gas lighter - refill pack: 3 x 20 mm replacement flints in small box

Part no.	Item	kg	mm
423	Gas lighter	0.05	149x31x25
423/3	3 replacement flints	0.02	Ø 10x25



## PERKEO Gas lighter - gun form

Gun-shaped gas lighter - refill pack: 12 x 5 mm replacement flints in small box

Part no.	Item	kg	mm
424	Gas lighter	0.09	160x88x10
424/12	12 replacement flints	0.02	Ø 22x8



## PERKEO Gas lighter - cup-type

Gas lighter with cup - refill pack: 10 x 8 mm replacement flints in small box

Part no.	Item	kg	mm
425	Gas lighter	0.05	155x35x25
425/10	10 replacement flints	0.03	Ø 22x8



## PERKEO Combination wrench

Combination wrench for universal use

Part no.	kg	mm
380/265	0.13	141x40x5



## PERKEO Soldering liquid bottle EASY

### It couldn't be simpler!

The PERKEO EASY soldering fluid bottle with a capacity of 250 ml is guaranteed leak-proof and refillable. A real alternative to disposable products!

Leak-proof soldering fluid bottles are familiar. This novel flask has been further developed. The soldering fluid brush integrated into the neck of the bottle allows the soldering fluid to be accurately dispensed via the special heat and acid resistant brush by lightly squeezing the bottle, thereby enabling simple one-handed operation. It couldn't be easier – try it for yourself!

In comparison to the usual disposable bottles, you can refill the EASY soldering fluid bottle time and again. That means that the flask must only be bought once! So you save hard cash in the long term.



Part no.	kg	mm
427/P	0.08	75x40x192



## PERKEO Bottle for acid and soldering liquid

Made of unbreakable synthetic material - capacity 150 ml

Part no.	Version	Color	kg	mm
427/L	Soldering liquid bottle	yellow	0.04	63x63x91
427/S	Acid bottle	blue	0.04	63x63x91



## PERKEO Bottle for acid and soldering liquid with tip-over stop system

Including a tip-over stop system - Made of unbreakable synthetic material - capacity 150 ml

Part no.	Version	Color	kg	mm
427/L/AS	Soldering liquid bottle	yellow	0.04	63x63x91
427/S/AS	Acid bottle	blue	0.04	63x63x91





## PERKEO Brush for soldering liquid and acid

Flexible wire handle with double fixing ring to prevent bristles from falling off

Part no.	kg	mm
426/1	0.01	180x40x7



## PERKEO Brush for soldering liquid and acid

Brush with sheet-steel handle - fat-containing, extremely long-lived china bristles

Part no.	kg	mm
426/2	0.01	134x12x5



## PERKEO Soldering stone

Pressed soldering stone for cleaning the copper bits - available in two different size - individually packed in PE-foil

Part no.	kg	mm
429/01	0.08	66x45x20
429/02	0.16	66x45x40



## PERKEO Ammoniac stone in a can



Ammoniac stone in a can for cleaning the copper pieces - the ammoniac stone melts on contact with the hot copper piece, no more rubbing back and forth required!

Part no.	kg	mm
429/03	0.15	Ø 75x20



## PERKEO Tin-ammoniac stone in a can

New

Tin-ammoniac stone in a can for cleaning and pre-tinning the copper pieces in a single working process - the tin-ammoniac stone melts on contact with the hot copper piece, no more rubbing back and forth required!

Part no.	kg	mm
429/04	0.15	Ø 75x20



## PERKEO Sheet-steel box

Can be individually equipped for brazing, soldering, heating, etc. - lockable

Part no.	kg	mm
359/04	1.60	320x200x65



## PERKEO Sheet-steel box

For soldering equipment with 0.425 kg on-site cylinders - available in two versions, either with or without holding clamps on the inside of the top cover (without holding brackets = version "LIGHT") - lockable

Part no.	Version	kg	mm
466/1	with all clamps	4.58	620x160x160
466/2	LIGHT	4.40	620x160x160



## PERKEO Sheet-steel box

For heat shrink outfit - lockable

Part no.	kg	mm
390/1/10	2.60	470x215x90



# PROPANE • Bunsen burners



## PERKEO Propane Bunsen burner - slewing

Can be fixed in any position - for medium pressure (MP) up to 1.5 bar - version **791/4/T** can also be used for low pressure (LP) up to 0.05 bar - upon request available with thermoelectric safety pilot - connection M10x1 LH

Part no.	bar-working pressure	mm-flame	KJ/h	KW	g/h at 1.5 / 0.05 bar	kg	mm
<b>791/3/T</b>	1.5	Ø 3	1391	0.39	30	0.64	112x108x177
<b>791/T</b>	1.5	Ø 14	4172	1.16	90	0.63	112x108x179
<b>791/4/T</b>	1.5 / 0.05	Ø 17	3708/15295	4.25/1.03	330/80	0.70	112x108x205



## PERKEO Propane Bunsen burner - fixed

For medium pressure (MP) up to 1.5 bar - version **791/04/T** can also be used for low pressure (LP) up to 0.05 bar - upon request available with thermoelectric safety pilot - connection M10x1 LH

Part no.	bar-working pressure	mm-flame	KJ/h	KW	g/h at 1.5 / 0.05 bar	kg	mm
<b>791/03/T</b>	1.5	Ø 3	1391	0.39	30	0.47	126x108x151
<b>791/01/T</b>	1.5	Ø 14	4172	1.16	90	0.52	126x108x157
<b>791/04/T</b>	1.5 / 0.05	Ø 17	3708/15295	4.25/1.03	330/80	0.53	126x108x186



## PERKEO Threaded hose coupling with left-hand thread

9 mm hose nipple with cap nuts

Part no.	screw thread	mm-nipple	kg	mm
<b>380/L/T9</b>	M10x1 LH	Ø 9	0.01	SW12x39

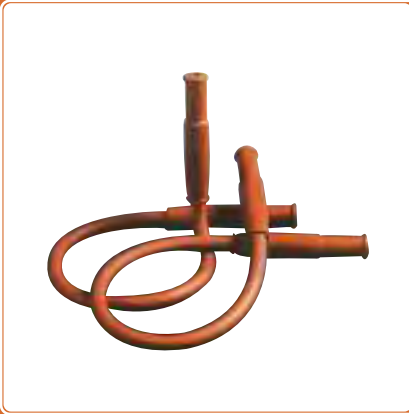


## PERKEO Screw nipple with left-hand thread

*New*

Hose screw nipple with female screw thread made of brass

Part no.	screw thread	mm-nipple	kg	mm
<b>380/L/T9/S</b>	M10x1 LH	Ø 9	0.05	SW17x47



## PERKEO Propane hose for Bunsen burner according to DIN 30665

Only for low pressure (LP) up to max. 0,1 bar (100 mbar) - safety hose with 9 mm inside diameter - sliding socket at both ends for easy fixing and releasing manually - connecting diameter 9-10 mm - DVGW-tested

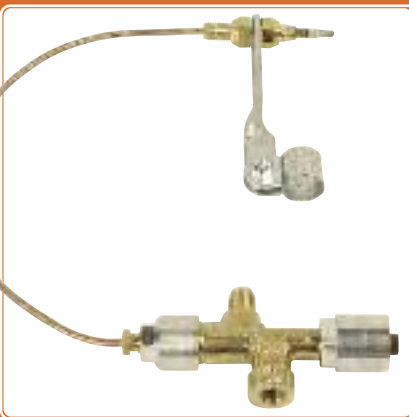
Part no.	mm-length	Pressure class	mm-inside	mm-thickness	kg	mm
400/03/01	500	LP	Ø 9	2	0.09	130x40
400/03/03	1000	LP	Ø 9	2	0.16	130x50
400/03/05	2000	LP	Ø 9	2	0.32	130x65



## PERKEO Propane Bunsen burner attachments

Burner heads made of high-quality stainless steel - inlet G3/8" RH

Part no.	bar-working pressure	mm-flame	KJ/h	KW	g/h at 1.5 / 0.05 bar	kg	mm
791/10	1.5	Ø 3	1391	0.39	30	0.06	91x22x22
791/11	1.5	Ø 14	4172	1.16	90	0.08	96x22x22
791/12	1.5 / 0.05	Ø 17	3708/15295	4.25/1.03	330/80	0.12	126x22x22



## PERKEO Thermoelectric safety pilot kits

Safety devices for all PERKEO Bunsen burners and equipment - automatic interruption of gas supply, if working flame extinguishes, restart by simply pressing the button - attachments: thermo element in different lengths, safety check valve and accessories

Part no.	mm-length thermo element	kg	mm
791/Z/20	200	0.20	50x50x30
791/Z/30	300	0.20	50x50x30
791/Z/40	400	0.20	50x50x30

# PROPANE • Branding stamps



## PERKEO Propane branding stamps

Engraving plate 130 x 60 mm - upon request available with engraving - stainless steel and teflon wear parts - quick heating by powerful flame - rotating hose connection - ergonomic brush wood handle - **connections available: M10x1 LH or G3/8" LH**

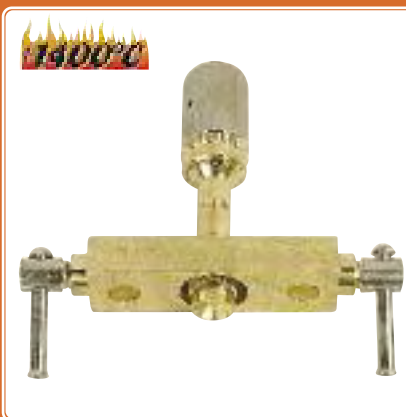
Part no.	Part no.	KJ/h	KW	g/h at 1.5 bar	kg	mm
• M10x1 LH	• G3/8" LH					
<b>782/0/4/5/T</b>	<b>782/0/4/5/3/T</b>	6026	1,67	130	1.75	340x130x60



## PERKEO Heavy-duty propane soldering iron handles

For heavy-duty applications - extremely robust and long-lived - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - rotating hose connection - ergonomic brush wood handle - **connections available: M10x1 LH or G3/8" LH** - outlet M14x1 RH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
<b>782/0/T</b>	<b>782/0/3/T</b>	0.47	217x65x36



## PERKEO Propane branding stamp holder

For optimum fastening of the engraving plate - inlet M14x1 RH

Part no.	kg	mm
<b>782/4</b>	0.21	108x81x21



## PERKEO Engraving plate

Engraving at option - with windscreen and fixing pins

Part no.	kg	mm
<b>782/5</b>	1.20	155x130x60



## PERKEO Propane cooker

For vessels with capacities up to 40 l - welded steel design - versions for medium pressure (MP) up to 1.5/3 bar and low pressure (LP) up to 0.05 bar - upon request available with thermoelectric safety pilot - connection M10x1 LH

Part no.	bar-working pressure	KJ/h	KW	g/h at 1.5 / 3 bar	kg	mm
258/41/T	1.5 / 3	13441/25029	3.73/6.95	290/540	3.80	350x350x260
258/41/ND/T	0.05	7416	2.06	160	3.80	350x350x260



## PERKEO Propane cooker burner

Versions for medium pressure (MP) up to 1.5/3 bar and for low pressure (LP) up to 0.05 bar - individual installation options - available as economic cooker burner for the low pressure range or as powerful burner for the medium pressure range - connection M10x1 LH

Part no.	bar-working pressure	KJ/h	KW	g/h at 1.5 / 3 bar	kg	mm
258/61/T	1.5 / 3	13441/25029	3.73/6.95	290/540	0.42	261x46x54
258/61/0/T	1.5 / 3	24102/36153	6.69/10.04	520/780	0.42	310x46x54
258/61/ND/T	0.05	7416	2.06	160	0.40	260x46x44



## PERKEO Mouth-operated propane soldering guns

For very fine to middle soldering applications - can also be used for melting in some cases - versions for low pressure up to 0.3 bar - with pilot flame - sizes 1 and 2 with precise gas regulation by means of a needle valve - connections with 9 mm hose connectors

Part no.	Size	mm-flame	bar-working pressure	KJ/h	KW	g/h at 0.01 bar	kg	mm
788/7/01	1	Ø 2	0.01-0.3	1251	0.35	27	0.11	230x65x25
788/7/02	2	Ø 4	0.01-0.3	1251	0.35	27	0.13	230x65x25
788/7/03	3	Ø 12	0.01-0.05	1020	0.28	22	0.13	245x65x35



## PERKEO Accessories for mouth-operated soldering guns

Part no.	Item	kg/(m)	mm
788/7/10	Mouthpiece	0.01	Ø 10x40
788/7/20	Hose	0.05	-



**PERKEO Propane radiant heater**

Version for low pressure (LP) - with 0,05 bar regulator, safety pilot, cylinder fixing device and 300 mm hose - DVGW-tested

<b>Part no.</b>	<b>bar- working pressure</b>	<b>KJ/h</b>	<b>KW</b>	<b>g/h at 0.05 bar</b>	<b>kg</b>	<b>mm</b>
<b>781/1</b>	0.05	13905	3.86	300	2.40	340x250x105



## PERKEO Handle KLEIN RISTA

For universal use - light-weight, handy and solid - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - light-weight, indestructible glass fiber reinforced Ultramid grip - with detachable 6 mm hose connection nipples on both sides - screw threads: fuel gas inlet G3/8" LH - compressed air inlet G1/4" RH - outlet M15x1 RH

Part no.	kg	mm
<b>828/T6</b>	0.36	242x68x41



## PERKEO Propane-compressed air soft soldering attachments KLEIN RISTA

For heavy-duty applications - extremely robust and long-lived - attachment **786/03** with 350 g electrolytic copper bit in hammer form - stainless steel cap for screen head - inlet M15x1 RH

Part no.	Copper bit	kg	mm
<b>786/03</b>	Hammer form	0.60	150x104x24
<b>786/03/OK</b>	without	0.20	115x104x24



## PERKEO Propane-compressed air torch attachments KLEIN RISTA

Universal torch attachments for brazing, annealing, tinning, hardening, heating, thawing, melting, burning off, etc. - torch heads made of high-quality stainless steel - inlet M15x1 RH

Part no.	Size	mm- flame	Propane g/h at 1 bar	kg	mm
<b>786/0</b>	0	Ø 3.5	160	0.08	110x32x20
<b>786/1</b>	1	Ø 4	225	0.18	185x56x25
<b>786/2</b>	2	Ø 6	440	0.18	188x55x24
<b>786/3</b>	3	Ø 8	620	0.18	190x60x26
<b>786/4</b>	4	Ø 12	715	0.23	195x60x26
<b>786/5</b>	5	Ø 20	800	0.27	209x62x32
<b>786/6</b>	6	Ø 35	1200	0.35	227x65x42



## PERKEO Propane-compressed air heating, brazing and melting outfit KLEIN RISTA

• **828/T6** Handle KLEIN RISTA • **786/1, 786/2, 786/3** 3 torch attachments sizes 1-3 • **380/265** Combination wrench

Part no.	kg	mm
<b>786/00/T6</b>	1.11	200x70x65



## PERKEO Handle RISTA

For universal use - light-weight, handy and solid - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - aluminum grip - with detachable 6 mm hose connection nipples - screw threads: inlet fuel gas G3/8" LH - inlet compressed air G1/4" RH - outlet M24x1.5 RH

Part no.	kg	mm
900	0.61	259x65x52



## PERKEO Propane-compressed air heating, brazing and melting torch attachments RISTA



Powerful and universal torch attachments with center flame for brazing, annealing, tinning, hardening, heating, thawing, melting, burning off, etc. - popular and frequently used as machine torch for industrial applications or as melting torch in dental technology - inlet M24x1.5 RH

Part no.	Size	mm-flame	Propane g/h at 1 bar	kg	mm
786/1/1	1	Ø 18	1400	0.43	620x300x27
786/1/2	2	Ø 28	1600	0.57	630x350x30



## PERKEO Propane-compressed air heating torch attachments RISTA



Powerful and universal torch attachments with big and soft flame for annealing, tinning, hardening, heating, thawing, melting, burning off, etc. - torch heads made of high-quality steel - popular and frequently used as machine torch for industrial applications or as bristle burn off torch for pigs in the slaughter industry - inlet M24x1.5 RH

Part no.	Size	mm-flame	Propane g/h at 1 bar	kg	mm
786/1/1/40	1	Ø 35	1380	0.31	370x85x40
786/1/2/60	2	Ø 55	1550	0.61	440x105x60



## PERKEO Propane-compressed air heating, brazing and melting outfit RISTA



• 900 Handle RISTA • 786/1/1, 786/1/2 2 torch attachments sizes 1-2 • 380/265 Combination wrench

Part no.	kg	mm
786/1/00/T6	1.74	650x400x190

# PROPANE-COMPRESSED AIR • Tools and equipment



## PERKEO Propane-compressed air heating outfit RISTA



• 900 Handle RISTA • 786/1/1/40, 786/1/2/40 2 torch attachments sizes 1-2 • 380/265 Combination wrench

Part no.	kg	mm
786/2/00/T6	1.74	650x400x190



## PERKEO Propane-compressed air soldering guns according to DIN EN 1106

Soldering guns for brazing, annealing, tinning, hardening, heating, thawing, melting, burning off, etc. - especially suitable for melting and annealing of metals in dental technology and jewelry - version for low pressure (LP) up to 0.3 bar max. - with pilot flame - connections with 9 mm hose connectors

Part no.	Size	Propane g/h at 0.3 bar	kg	mm
786/10/01	1	120	0.19	230x65x35
786/10/02	2	240	0.20	230x65x35
786/10/03	3	1400	0.45	320x110x50
786/10/04	4	1600	0.75	430x150x60

## PERKEO Propane-compressed air gas economizer



Automatic interruption of gas supply by placing the torch on the hook - no readjustment of settings necessary when unhooking the torch - adjustable pilot flame - with angle bracket - with detachable 6 mm hose connection nipples on both sides - screw threads: fuel gas G3/8" LH - compressed air G1/4" RH

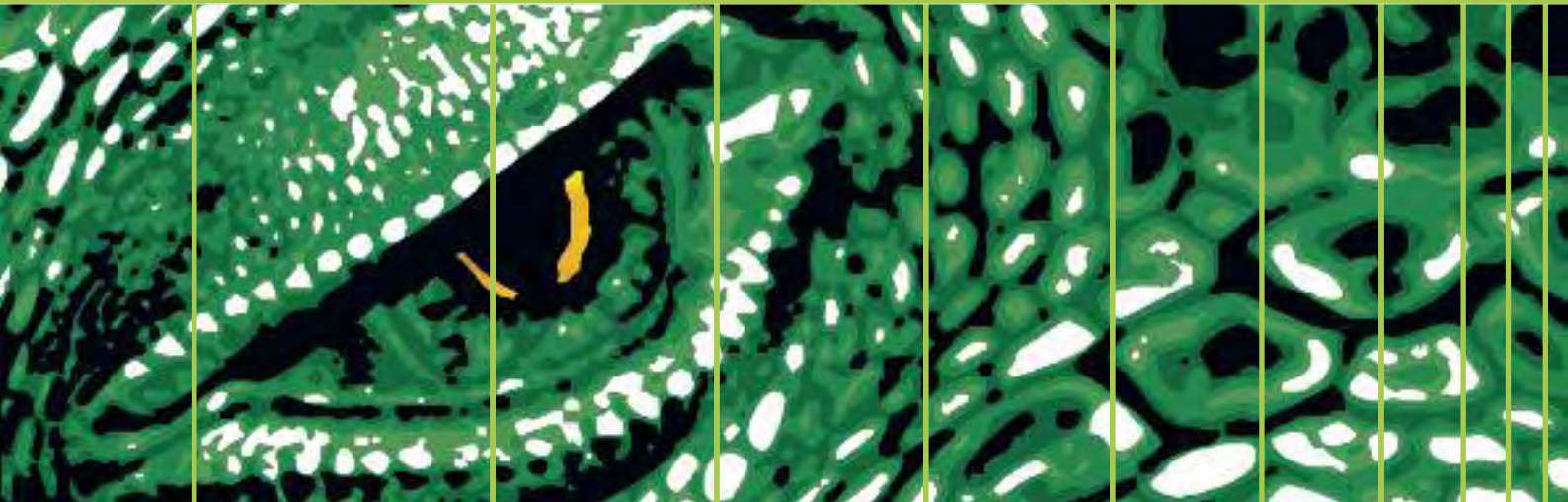
Part no.	Type of gas	Inlets	Outlets	kg	mm
563/1	Prop.-compressed air	2 x nipples Ø 6	2 x nipples Ø 6	0.30	370x65x160







- Refrigeration and air conditioning technology
- Roofers
- Plumbers
- Sheet metal workers
- Tanners
- Heating installers
- Sanitary installers
- Industry
- Gold smiths and silver smiths
- Handicraft
- Dental technology
- Vocational training schools
- Modelers
- Garages
- Opticians



**Brazing**

**Welding**

**Cutting**

**Heating**

**Annealing**

**Melting**



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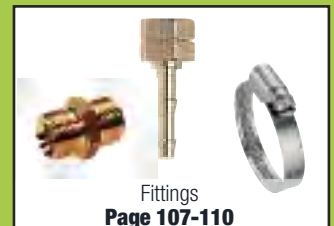
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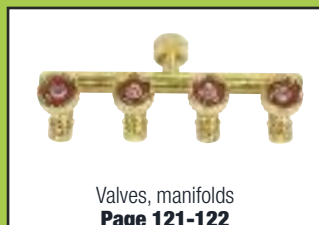
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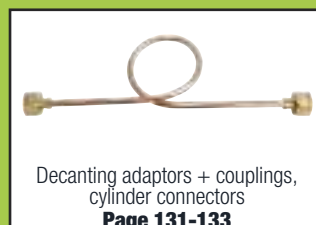
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# OXY-GAS • M-gas-oxygen on-site equipment



## PERKEO OXY-M 3000 powergas brazing outfit with filled one-way cartridges

New

- **794/04/2015** 600 ml/360 g M-gas power cartridge
- **444/09L** 0,9 l one-way oxygen cylinder 110 bar
- **570/01/T** Valve for cartridge
- **381/03** Oxygen pressure reducer for one way cartridge
- **415/02/200** 1,5 m hose package with flash back valves, handle and brazing attachment size 00
- **799/16/01/7/G** Frame

Part no.	kg	mm
<b>799/16/01/7</b>	3,25	150x190x370

## PERKEO MINI ECO powergas brazing outfit On-site equipment for brazing with filled cylinder and M-gas power cartridge

New



### The "little brother" of the professional outfit

The diminutive on-site equipment for brazing MINI ECO with a total weight of only 6 kg and a compact construction is designed as a professional tool for tough everyday life on construction sites by refrigeration, air conditioning, sanitation and heating installation personnel, roofers, plumbers, model builders as well as professional DIY enthusiasts.

Through the use of power gas cartridges with a special gas mixture of methyl acetylene and propane (similar to M-gas) in combination with oxygen, the MINI ECO reaches a flame temperature of over 3,000°C! That is close to the flame temperature for oxy-acetylene gas welding (3,150°C).

### Quality that you can always rely on!

The newly developed design of the 200 bar oxygen cylinder contains 1 l volume/0.2m<sup>3</sup> oxygen and can be refilled by the operator at their premises by means of the corresponding PERKEO refilling adapter. The 600 ml power gas cartridge with special gas mixture is a disposable cartridge that can be easily changed by hand. With the MINI ECO you are independent of gas suppliers.



PERKEO MINI ECO comprises:

- **794/04/2015** ....600 ml/360 g M-gas power cartridge
- **444/1L** .....1 l oxygen cylinder
- **570/01/T** .....Valve for cartridge
- **381/K/01** .....MINI oxygen regulator
- **415/02/99** .....3 m hose package with flash back arrestors
- **828/T6** .....Handle KLEIN RISTA
- **819/P** .....Brazing attachment size 2
- **799/16/01/5/G** .Frame
- 2 x **206/36** .....Cartridge holding device

Part no.	kg	mm
<b>799/16/01/5</b>	6.00	420x220x120



## PERKEO MAXI ECO powergas brazing outfit with filled cylinder + cartridge

New

MAXI ECO powergas-oxygen brazing outfit with durable quality handle and solder insert of the popular KLEIN RISTA series, extra flexible rubber hose package with flash back arrestors according to DIN EN 559 and DIN EN 730, self-refillable special 2 l oxygen cylinder and disposable powergas cartridge.

- **794/04/2015** 600 ml/360 g M-gas power cartridge
- **444/2L** 2 l oxygen cylinder
- **570/01/T** Valve for cartridge
- **381/K/01** MINI oxygen regulator
- **415/02/99** 3 m hose package with flash back arrestors
- **828/T6** Handle KLEIN RISTA
- **819/P** Brazing attachment size 2
- **799/16/01/6/G** Frame
- 2 x **206/36** Cartridge holding device

Part no.	kg	mm
<b>799/16/01/6</b>	10.00	420x220x120

# OXY-GAS • Propane-oxygen on-site equipment

## PERKEO SOLDERING BACKPACK on-site equipment for brazing with filled cylinders for safe transportation according to DIN EN 962, UVV VGB 21, GGVS and TRG 280



- **Transportable without disassembly**
- **Can be worn like a backpack**
- **User refillable**

This portable on-site equipment for brazing was developed specially for refrigeration, air conditioning, sanitation and heating installation personnel as well as for roofers/plumbers and corresponds to the transportation provisions of DIN EN 962 and the transportation regulations for the protection of shut-off valves.



It can be transported in the on-site vehicle without any time consuming disassembly! Its light weight, only 12 kg in total, eases brazing work when working on installations or on construction sites considerably, as it can be worn on the back like a backpack. This has the advantage that the installation personnel has both hands free, does not require a safe place to set the equipment down and can move and work freely regardless of hose length – this means a huge improvement in flexibility and working safety!



PERKEO SOLDERING BACKPACK comprises:

- **795/OF/1/T** .....0.425 kg propane cylinder
- **444/2L** .....2 l oxygen cylinder
- **570/T** .....Propane constant-pressure regulator
- **381/K** .....Oxygen regulator
- **415/02/99** .....3 m hose package with flash back arrestors
- **828/T6** .....Handle KLEIN RISTA
- **820/P** .....Brazing attachment size 3, 2-4 mm
- **799/16/01/3/G** ....Frame
- **2 x 206/23** .....Shoulder strap with snap hook
- **206/36** .....Hose holding device

Both gas cylinders, the propane cylinder and the oxygen cylinder, can be refilled at the operator's own premises by means of a suitable refilling adaptor.

Part no.	kg	mm
799/16/01/3	12.00	279x177x495

## PERKEO ECONOMY on-site equipment for brazing with filled cylinders for safe transportation according to DIN EN 962, UVV VGB 21, GGVS and TRG 280



- **Transportable without disassembly**
- **User refillable**

This portable on-site equipment for brazing was developed specially for refrigeration, air conditioning, sanitation and heating installation personnel as well as for roofers/plumbers, and corresponds to the transportation provisions of DIN EN 962 and the transportation regulations governing the protection of shut-off valves.

It can be transported in the on-site vehicle without any time consuming disassembly! Its minimal weight - at only 12 kg in total - eases brazing work when working on installations or on construction sites considerably, because it is small and light but nonetheless equipped with all accessories needed for brazing. Due to this compact design, installation personnel can move and work freely regardless of hose length – this means a huge improvement in flexibility and working safety!



### The tradesman is autonomous!

With the ECONOMY on-site equipment for brazing you are independent of gas suppliers. Both gas cylinders, the propane cylinder and the oxygen cylinder, can be refilled at the operator's own premises by means of a suitable refilling adaptor. That means cost and time savings and so a more efficient working process every time with PERKEO's popular equipment.

PERKEO ECONOMY comprises:

- **795/OF/1/T** .....0.425 kg propane cylinder
- **444/2L** .....2 l oxygen cylinder
- **570/T** .....Propane constant-pressure regulator
- **381/K** .....Oxygen regulator
- **415/02/99** .....3 m hose package with flash back arrestors
- **828/T6** .....Handle KLEIN RISTA
- **820/P** .....Brazing attachment size 3
- **799/16/01/4/G** ...Frame
- **206/36** .....Hose holding device

Part no.	kg	mm
799/16/01/4	12.60	340x125x540

# OXY-GAS • Propane-oxygen on-site equipment



## PERKEO On-site equipment for brazing with filled cylinders and accessories

- 795/0F/1/T 0,425 kg propane cylinder • 444/2L 2 l oxygen cylinder • 570/T Propane constant-pressure regulator
- 381/K Oxygen regulator • 415/02/01 3 m hose package with flash back arrestors • 828/T6 Handle KLEIN RISTA • 820/P Brazing attachment size 3 • 411/B Safety goggles • 424 Gas lighter • 380/265 Combination wrench • 380/265/1 Fork wrench sizes 30/32 • 799/16/01/1/G Frame

Part no.	kg	mm
799/16/01/1	13.30	340x200x550



## PERKEO On-site equipment for brazing with filled cylinders with complete outfit and accessories in attached steel-sheet box

- 795/0F/1/T 0,425 kg propane cylinder • 444/2L 2 l oxygen cylinder • 570/T Propane constant-pressure regulator
- 381/K Oxygen regulator • 415/02/01 3 m hose package with flash back arrestors • 828/T6 Handle KLEIN RISTA
- 818/P-821/P 4 attachments sizes 1-4 / 0,5-6 mm • 428 Tip-cleaning needles • 411/B Safety goggles
- 424 Gas lighter • 380/265 Combination wrench • 380/265/1 Fork wrench sizes 30/32 • 799/16/01/2/G Frame

Part no.	kg	mm
799/16/01/2	15.50	340x240x550



## PERKEO On-site equipment for brazing with filled cylinders and accessories

- 795/0F/1/T 0,425 kg propane cylinder • 444 5 l oxygen cylinder • 570/T Propane constant-pressure regulator
- 381/K Oxygen regulator • 415/02/02 5 m hose package with flash back arrestors • 828/T6 Handle KLEIN RISTA
- 820/P Brazing attachment size 3 • 411/B Safety goggles, 424 Gas lighter • 380/265 Combination wrench
- 380/265/1 Fork wrench sizes 30/32 • 799/16/01/G Frame

Part no.	kg	mm
799/16/01	21.00	370x245x640



## PERKEO On-site equipment for brazing with filled cylinders with complete outfit and accessories in attached steel-sheet box

- 795/0F/1/T 0,425 kg propane cylinder • 444 5 l oxygen cylinder • 570/T Propane constant-pressure regulator
- 381/K Oxygen regulator • 415/02/02 5 m hose package with flash back arrestors • 828/T6 Handle KLEIN RISTA
- 818/P-822/P 5 attachments sizes 1-5 / 0,5-9 mm • 428 Tip-cleaning needles • 411/B Safety goggles
- 424 Gas lighter • 380/265 Combination wrench • 380/265/1 Fork wrench sizes 30/32 • 799/16/G Frame

Part no.	kg	mm
799/16	30.00	370x320x640

# OXY-GAS • Propane-oxygen on-site equipment



PERKEO On-site equipment for brazing with filled cylinders - portable and wheeled - with complete outfit and accessories in attached steel-sheet box

- 795/0F/1/T 0,425 kg propane cylinder
- 444 5 l oxygen cylinder
- 570/T Propane constant-pressure regulator
- 381/K Oxygen regulator
- 415/02/02 5 m hose package with flash back arrestors
- 828/T6 Handle KLEIN RISTA
- 818/P-822/P 5 attachments sizes 1-5 / 0,5-9 mm
- 428 Tip-cleaning needles
- 411/B Safety goggles, 424 Gas lighter
- 380/265 Combination wrench
- 380/265/1 Fork wrench sizes 30/32
- 799/16/MFG/G Frame



Part no.	kg	mm
799/16/MFG	35.00	410x550x650

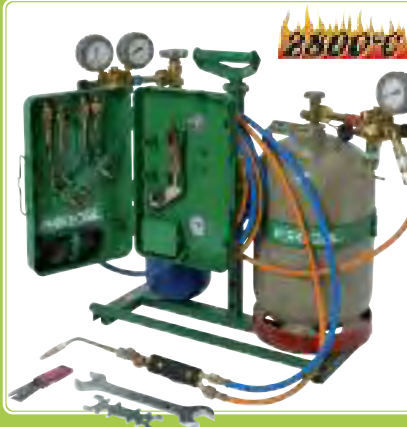


PERKEO On-site equipment for brazing with filled cylinders - portable and wheeled - with complete outfit and accessories in attached steel-sheet box

- 795/03 5 kg propane cylinder
- 444 5 l oxygen cylinder
- 392/01/K/T6 Propane regulator
- 381/K Oxygen regulator
- 415/02/02 5 m hose package with flash back arrestors
- 828/T6 Handle KLEIN RISTA
- 818/P-822/P 5 attachments sizes 1-5 / 0,5-9 mm
- 428 Tip-cleaning needles
- 411/B Safety goggles
- 424 Gas lighter
- 380/265 Combination wrench
- 380/265/1 Fork wrench sizes 30/32
- 799/17/G Frame



Part no.	kg	mm
799/17	43.00	540x420x650



PERKEO On-site equipment for brazing with filled cylinders - portable - with complete outfit and accessories in attached steel-sheet box

- 795/03 5 kg propane cylinder
- 444 5 l oxygen cylinder
- 392/01/K/T6 Propane regulator
- 381/K Oxygen regulator
- 415/02/02 5 m hose package with flash back arrestors
- 828/T6 Handle KLEIN RISTA
- 818/P-822/P 5 attachments sizes 1-5 / 0,5-9 mm
- 428 Tip-cleaning needles
- 411/B Safety goggles
- 424 Gas lighter
- 380/265 Combination wrench
- 380/265/1 Fork wrench sizes 30/32
- 799/17/0FG/G Frame

Part no.	kg	mm
799/17/0FG	38.00	540x345x650



PERKEO On-site equipment for brazing with filled cylinders - portable and wheeled - with complete outfit and accessories in attached steel-sheet box

- 795/03 5 kg propane cylinder
- 442/LK 13,5 l oxygen cylinder
- 392/01/K/T6 Propane regulator
- 381/K Oxygen regulator
- 415/02/02 5 m hose package with flash back arrestors
- 828/T6 Handle KLEIN RISTA
- 818/P-822/P 5 attachments sizes 1-5 / 0,5-9 mm
- 428 Tip-cleaning needles
- 411/B Safety goggles
- 424 Gas lighter
- 380/265 Combination wrench
- 380/265/1 Fork wrench sizes 30/32
- 799/17/P10/G Frame



Part no.	kg	mm
799/17/P10	53.00	540x420x650

# OXY-GAS • Acetylene-oxygen on-site equipment



**PERKEO On-site equipment for welding and brazing with filled cylinders - portable and wheeled - with complete outfit and accessories in attached steel-sheet box**

- 445 5 l acetylene cylinder • 444 5 l oxygen cylinder • 386/K Acetylene regulator
- 381/K Oxygen regulator • 415/01/04 5 m hose package with flash back arrestors
- 828/T6 Handle KLEIN RISTA • 818-822 5 attachments sizes 1-5 / 0,5-9 mm
- 428 Tip-cleaning needles • 411/B Safety goggles • 424 Gas lighter
- 380/265 Combination wrench • 380/265/1 Fork wrench sizes 30/32
- 799/17A/G Frame



Part no.	kg	mm
799/17A	42.00	410x550x650



**PERKEO On-site equipment for welding and brazing with filled cylinders - portable - with complete outfit and accessories in attached steel-sheet box**

- 445 5 l acetylene cylinder • 444 5 l oxygen cylinder • 386/K Acetylene regulator • 381/K Oxygen regulator
- 415/01/04 5 m hose package with flash back arrestors • 828/T6 Handle KLEIN RISTA • 818-822 5 attachments sizes 1-5 / 0,5-9 mm
- 428 Tip-cleaning needles • 411/B Safety goggles • 424 Gas lighter • 380/265 Combination wrench
- 380/265/1 Fork wrench sizes 30/32 • 799/17A/0FG/G Frame

Part no.	kg	mm
799/17A/0FG	36.50	370x320x640



**PERKEO On-site equipment for welding, cutting and brazing with filled cylinders - portable and wheeled - with complete outfit and accessories in attached steel-sheet box**

- 443/L 10 l acetylene cylinder • 442/L 10 l oxygen cylinder • 386/K Acetylene regulator • 381/K Oxygen regulator
- 415/01/05 10 m hose package with flash back arrestors • 828/T6 Handle KLEIN RISTA
- 818-822 5 attachments sizes 1-5 / 0,5-9 mm • 832 Cutting attachment 3-50 mm • 428 Tip-cleaning needles
- 411/B Safety goggles • 424 Gas lighter • 380/265 Combination wrench • 380/265/1 Fork wrench sizes 30/32
- 799/17A/10L/G Frame

Part no.	kg	mm
799/17A/10L	65.00	380x540x1010



**PERKEO Steel cylinder trolley with filled cylinders and on-site equipment for welding, cutting and brazing - wheeled - with complete outfit and accessories in steel-sheet box**

- 443/L 10 l acetylene cylinder • 442/L 10 l oxygen cylinder • 386/K Acetylene regulator
- 381/K Oxygen regulator • 415/01/05 10 m hose package with flash back arrestors
- 828/T6 Handle KLEIN RISTA • 818-822 5 attachments sizes 1-5 / 0,5-9 mm • 832 Cutting attachment 3-50 mm
- 428 Tip-cleaning needles • 411/B Safety goggles • 424 Gas lighter • 380/265 Combination wrench
- 380/265/1 Fork wrench sizes 30/32 • 880/359 sheet-steel box • 455/01/06 steel cylinder trolley

*New*

Part no.	kg	mm
799/17A/10L/01	57.00	380x540x1010



# OXY-GAS • Acetylene-oxygen on-site equipment



PERKEO On-site equipment for welding, cutting and brazing with filled cylinders - wheeled - with complete outfit and accessories in attached steel-sheet box

- 439 20 l acetylene cylinder • 447 20 l oxygen cylinder • 386/K Acetylene regulator • 381/K Oxygen regulator
- 415/01/05 10 m hose package with flash back arrestors • 828/T6 Handle KLEIN RISTA • 818-822 5 attachments sizes 1-5 / 0,5-9 mm • 832 Cutting attachment 3-50 mm • 428 Tip-cleaning needles • 411/B Safety goggles
- 424 Gas lighter • 380/265 Combination wrench, • 380/265/1 Fork wrench sizes 30/32 • 799/17A/20L/G Frame

Part no.	kg	mm
799/17A/20L	120.00	650x500x1010



PERKEO On-site equipment for welding, cutting and brazing with filled cylinders - wheeled - with complete outfit and accessories in attached steel-sheet box

- 441/0 50 l acetylene cylinder • 440/0 50 l oxygen cylinder • 386/K Acetylene regulator • 381/K Oxygen regulator
- 415/01/05 10 m hose package with flash back arrestors • 828/T6 Handle KLEIN RISTA • 818-822 5 attachments sizes 1-5 / 0,5-9 mm • 832 Cutting attachment 3-50 mm • 428 Tip-cleaning needles
- 411/B Safety goggles • 424 Gas lighter • 380/265 Combination wrench • 380/265/1 Fork wrench sizes 30/32 • 799/17A/50L/G Frame

Part no.	kg	mm
799/17A/50L	180.00	650x500x1630



## PERKEO Welding, cutting and brazing outfit KLEIN RISTA

• **828/T6** Handle KLEIN RISTA • **818-822** or **818/P-822/P** 5 attachments sizes 1-5 / 0,5-9 mm • **832** or **832/P** Cutting attachment 3-50 mm • **428** Tip-cleaning needles • **380/265** Combination wrench • **880/359** Sheet-steel box - **available for acetylene-oxygen or propane-oxygen**

Part no.	Part no.	mm-shank	kg	mm	For other gases upon request
• Acetylene-oxygen	• Propane-oxygen				
<b>880/T6</b>	<b>880/P/T6</b>	Ø 11	3.93	320x200x67	



## PERKEO Welding and precision cutting outfit KLEIN RISTA

• **828/T6** Handle KLEIN RISTA • **818-822** 5 attachments sizes 1-5 / 0,5-9 mm • **832/908** Precision cutting attachment 0,5-15 mm • **428** Tip-cleaning needles • **380/265** Combination wrench • **880/359** Sheet-steel box

Part no.	mm-shank	kg	mm	For other gases upon request
• Acetylene-oxygen				
<b>880/01</b>	Ø 11	3.45	320x200x67	



## PERKEO Welding and brazing outfit KLEIN RISTA

• **828/T6** Handle KLEIN RISTA • **818-822** or **818/P-822/P** 5 attachments sizes 1-5 / 0,5-9 mm • **428** Tip-cleaning needles • **380/265** Combination wrench • **880/359** Sheet-steel box - **available for acetylene-oxygen or propane-oxygen**

Part no.	Part no.	mm-shank	kg	mm	For other gases upon request
• Acetylene-oxygen	• Propane-oxygen				
<b>879/T6</b>	<b>879/P/T6</b>	Ø 11	2.70	320x200x67	



## PERKEO Handle KLEIN RISTA

For universal use - light-weight, handy and solid - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - light-weight, indestructible glass fiber reinforced Ultramid grip - with detachable 6 mm hose connection nipples on both sides - screw threads: fuel gas inlet G3/8" LH - oxygen inlet G1/4" RH - outlet M15x1 RH

Part no.	mm-shank	kg	mm
<b>828/T6</b>	Ø 11	0.36	242x68x41



## PERKEO Cutting attachment KLEIN RISTA complete

Cuts up to 3 - 50 mm - available for acetylene-oxygen or propane-oxygen, for other gases upon request - complete with circle-cutting attachment - stainless steel and teflon wear parts - cutting tips made of hard copper (OSNA-Cu) - inlet M15x1 RH - **available for acetylene-oxygen or propane-oxygen**

Part no.	Part no.	mm-shank	kg	mm	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
<b>832</b>	<b>832/P</b>	Ø 11	0.87	230x70x50	



## PERKEO Cutting attachment KLEIN RISTA

Cuts up to 3 - 50 mm - available for acetylene-oxygen or propane-oxygen, for other gases upon request - stainless steel and teflon wear parts - cutting tips made of hard copper (OSNA-Cu) - inlet M15x1 RH - **available for acetylene-oxygen or propane-oxygen**

Part no.	Part no.	mm-shank	kg	mm	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
<b>832/ORV</b>	<b>832/P/ORV</b>	Ø 11	0.72	230x27x50	



## PERKEO Precision cutting attachment KLEIN RISTA complete

Cuts up to 0.5 - 15 mm - precise cuts and fine, sharp cut edges - suitable for acetylene-oxygen only - complete with circle-cutting attachment - stainless steel and teflon wear parts - cutting tips made of hard copper (OSNA-Cu) - inlet M15x1 RH

Part no.	mm-shank	kg	mm	
• Acetylene-oxygen				
<b>832/908</b>	Ø 11	0.75	214x32x95	



## PERKEO Hole-cutting attachment KLEIN RISTA

Cuts up to 3 - 25 mm - available for acetylene-oxygen or propane-oxygen, for other gases upon request - stainless steel and teflon wear parts - cutting tips made of hard copper (OSNA-Cu) - inlet M15x1 RH - **available for acetylene-oxygen or propane-oxygen**

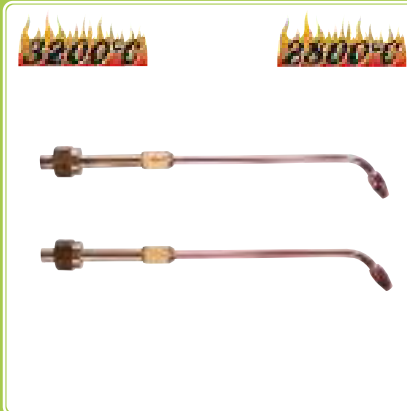
Part no.	Part no.	mm-shank	kg	mm	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
<b>832/001</b>	<b>832/001/P</b>	Ø 11	1.10	230x27x50	



## PERKEO Welding and brazing attachments KLEIN RISTA

Stainless steel and teflon wear parts - tips made of hard copper (OSNA-Cu) - inlet M15x1 RH - **available for acetylene-oxygen or propane-oxygen**

Part no.	Part no.	mm-shank	Size	mm-thickness	kg	mm	For other gases upon request
• Acetylene-oxygen	• Propane-oxygen						
<b>816</b>	<b>816/P</b>	Ø 11	00	0.1-0.3	0.09	126x36x19	
<b>817</b>	<b>817/P</b>	Ø 11	0	0.3-0.5	0.10	126x36x19	
<b>818</b>	<b>818/P</b>	Ø 11	1	0.5-1.0	0.11	156x45x19	
<b>819</b>	<b>819/P</b>	Ø 11	2	1-2	0.11	169x45x19	
<b>820</b>	<b>820/P</b>	Ø 11	3	2-4	0.12	186x47x19	
<b>821</b>	<b>821/P</b>	Ø 11	4	4-6	0.13	200x50x19	
<b>822</b>	<b>822/P</b>	Ø 11	5	6-9	0.13	219x54x19	
<b>823</b>	<b>823/P</b>	Ø 11	6	9-14	0.14	233x53x19	
<b>824</b>	<b>824/P</b>	Ø 11	7	14-20	0.24	283x60x19	



## PERKEO Pipe-welding and brazing attachments KLEIN RISTA

Flexible welding and brazing attachments for spots that are difficult to access - teflon wear parts - tips made of hard copper (OSNA-Cu) - inlet M15x1 RH - **available for acetylene-oxygen or propane-oxygen**

Part no.	Part no.	mm-shank	Size	mm-thickness	kg	mm	For other gases upon request
• Acetylene-oxygen	• Propane-oxygen						
<b>848</b>	<b>848/P</b>	Ø 11	2	1-2	0.11	231x31x19	
<b>849</b>	<b>849/P</b>	Ø 11	3	2-4	0.11	231x31x19	
<b>850</b>	<b>850/P</b>	Ø 11	4	4-6	0.11	247x31x19	
<b>851</b>	<b>851/P</b>	Ø 11	5	6-9	0.11	247x31x19	



## PERKEO Twin-flame fork torch KLEIN RISTA

Flexible twin-flame fork torch - especially developed for the cooling equipment industry - teflon wear parts - tips made of hard copper (OSNA-Cu) - inlet M15x1 RH - **available for acetylene-oxygen, propane-oxygen or natural gas-oxygen**

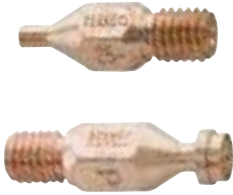
Part no.	Part no.	Part no.	mm-shank	Size	mm-thickness	kg	mm
• Acetylene-oxygen	• Propane-oxygen	• Natural gas-oxygen					
<b>856</b>	<b>856/P</b>	<b>856/E</b>	Ø 11	2	1-2	0.15	195x70x19



## PERKEO Multi-flame torches PERPLEX KLEIN RISTA

Especially developed for the dental industry and jewelry for melting and annealing of metals - universal multi-flame torches for welding, brazing, heating, etc. - stainless steel and teflon wear parts - tips made of hard copper (OSNA-Cu) - inlet M15x1 RH - **available for acetylene-oxygen, propane-oxygen or natural gas-oxygen**

Part no.	Part no.	Part no.	mm-shank	Acetylene l/h	Propane g/h	Natural gas l/h	kg	mm
• Acetylene-oxygen	• Propane-oxygen	• Natural gas-oxygen						
<b>845</b>	<b>845/P</b>	<b>845/E</b>	Ø 11	320	250	780	0.12	187x45x19
<b>846</b>	<b>846/P</b>	<b>846/E</b>	Ø 11	750	620	1000	0.19	238x50x19
<b>847</b>	<b>847/P</b>	<b>847/E</b>	Ø 11	1900	1850	2000	0.19	242x58x24



## PERKEO Cutting tips KLEIN RISTA

Cutting tips for thicknesses from 3 to 50 mm - tips made of hard copper (OSNA-Cu) - **available for acetylene-oxygen or propane-oxygen**

<b>Part no.</b>		<b>Size</b>	<b>mm-thickness</b>	<b>kg</b>	<b>mm</b>
• Acetylene-oxygen	• Propane-oxygen				
<b>512/50/1</b>	<b>350/20</b>	1	3-25	0.02	SW10x24
<b>512/50/2</b>	<b>350/21</b>	2	25-50	0.02	SW10x24



## PERKEO Heating tip KLEIN RISTA

Heating tip for thicknesses from 3 to 50 mm - tip made of hard copper (OSNA-Cu) - **available for acetylene-oxygen or propane-oxygen**

<b>Part no.</b>		<b>Size</b>	<b>mm-thickness</b>	<b>kg</b>	<b>mm</b>
• Acetylene-oxygen	• Propane-oxygen				
<b>512/51/2</b>	<b>350/19</b>	1-2	3-50	0.05	SW22x28



## PERKEO Precision cutting tips KLEIN RISTA

Precision cutting tips for thicknesses from 0.5 to 15 mm - tips made of hard copper (OSNA-Cu)

<b>Part no.</b>		<b>Size</b>	<b>mm-thickness</b>	<b>kg</b>	<b>mm</b>
• Acetylene-oxygene					
<b>513/22/1</b>		1	0.5-1	0.02	SW10x30
<b>513/22/2</b>		2	1-15	0.02	SW10x30



## PERKEO Precision heating tips KLEIN RISTA

Precision heating tips for thicknesses from 0.5 to 15 mm - tips made of hard copper (OSNA-Cu)

<b>Part no.</b>		<b>Size</b>	<b>mm-thickness</b>	<b>kg</b>	<b>mm</b>
• Acetylene-oxygene					
<b>513/21/1</b>		1	0.5-1	0.02	SW10x30
<b>513/21/2</b>		2	1-15	0.02	SW10x30



## PERKEO Welding and brazing tips KLEIN RISTA

Tips made of hard copper (OSNA-Cu) - **available for acetylene-oxygen or propane-oxygen**

<b>Part no.</b>	<b>Part no.</b>	<b>Size</b>	<b>mm-thickness</b>	<b>kg</b>	<b>mm</b>
• Acetylene-oxygen	• Propane-oxygen				
<b>501/147</b>	<b>501/147/P</b>	00	0.1-0.3	0.02	Ø 12x34
<b>501/148</b>	<b>501/148/P</b>	0	0.3-0.5	0.02	Ø 12x34
<b>510/60</b>	<b>510/60/P</b>	1	0.5-1.0	0.03	Ø 12x43
<b>510/61</b>	<b>510/61/P</b>	2	1-2	0.03	Ø 12x43
<b>510/62</b>	<b>510/62/P</b>	3	2-4	0.04	Ø 13x48
<b>510/63</b>	<b>510/63/P</b>	4	4-6	0.04	Ø 13x52
<b>501/149</b>	<b>501/149/P</b>	5	6-9	0.04	Ø 13x52
<b>501/150</b>	<b>501/150/P</b>	6	9-14	0.04	Ø 13x52
<b>510/66</b>	<b>510/66/P</b>	7	14-20	0.13	Ø 19x79



## PERKEO Pipe-welding and brazing attachment - replacement parts KLEIN RISTA

Replacement parts for flexible welding and brazing attachments - tips made of hard copper (OSNA-Cu) - **available for acetylene-oxygen or propane-oxygen**

<b>Part no.</b>	<b>Part no.</b>	<b>Size</b>	<b>mm-thickness</b>	<b>kg</b>	<b>mm</b>
• Acetylene-oxygen	• Propane-oxygen				
<b>848/ET</b>	<b>848/P/ET</b>	2	1-2	0.05	175x33x12
<b>849/ET</b>	<b>849/P/ET</b>	3	2-4	0.05	175x33x12
<b>850/ET</b>	<b>850/P/ET</b>	4	4-6	0.05	175x33x12
<b>851/ET</b>	<b>851/P/ET</b>	5	6-9	0.05	175x33x12



## PERKEO Twin-flame fork torch - replacement parts KLEIN RISTA

Replacement parts for flexible twin-flame fork torches - tips made of hard copper (OSNA-Cu) - **available for acetylene-oxygen, propane-oxygen or natural gas-oxygen**

<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Size</b>	<b>mm-thickness</b>	<b>kg</b>	<b>mm</b>
• Acetylene-oxygen	• Propane-oxygen	• Natural gas-oxygen				
<b>856/ET</b>	<b>856/P/ET</b>	<b>856/E/ET</b>	2	1-2	0.07	140x68x14



## PERKEO Multi-flame torch tips PERPLEX KLEIN RISTA

Replacement tips for multi-flame torch attachments for welding, brazing, annealing, heating, etc. - **available for acetylene-oxygen, propane-oxygen or natural gas-oxygen**

<b>Part no.</b>	<b>Part no.</b>	<b>Part no.</b>	<b>Acetylene l/h</b>	<b>Propane g/h</b>	<b>Natural gas l/h</b>	<b>kg</b>	<b>mm</b>
• Acetylene-oxygen	• Propane-oxygen	• Natural gas-oxygen					
<b>501/78</b>	<b>501/78/P</b>	<b>501/78/E</b>	320	250	780	0.03	Ø 14x31
<b>501/151</b>	<b>501/151/P</b>	<b>501/151/E</b>	750	620	1000	0.09	Ø 18x50
<b>501/154</b>	<b>501/154/P</b>	<b>501/154/E</b>	1900	1850	2000	0,16	Ø 24x55



## PERKEO Hand wheel with valve stem for KLEIN RISTA handle, manifolds, etc.

Hand wheels made of shaped brass - valve stems made of high-quality stainless steel - gaskets of valves made of indestructible teflon - on the gas side with spring mechanism for exact flame adjustment - completely assembled

<b>Part no.</b>	<b>Part no.</b>	<b>kg</b>	<b>mm</b>
• Gas	• Oxygen		
<b>801/7</b>	<b>801/8</b>	0.03	Ø 22x33



## PERKEO Hand wheels for KLEIN RISTA handle, manifolds, etc.

Consisting of: hand wheels made of shaped brass - spring mechanisms for exact flame adjustment - labels - self-locking nuts

<b>Part no.</b>	<b>Part no.</b>	<b>kg</b>	<b>mm</b>
• Gas	• Oxygen		
<b>320/19/C</b>	<b>320/19/C/BLAU</b>	0.02	Ø 22x11



## PERKEO Cap nut for all KLEIN RISTA attachments

Made of solid brass

<b>Part no.</b>	<b>mm-shank</b>	<b>kg</b>	<b>mm</b>
<b>300/48</b>	Ø 11	0.02	SW 17x22



## PERKEO Teflon gasket for all KLEIN RISTA attachments

Made of indestructible teflon

<b>Part no.</b>	<b>mm-shank</b>	<b>kg</b>	<b>mm</b>
<b>360/108</b>	Ø 11	0.01	Ø 11x4



## PERKEO Welding, cutting and brazing outfit RISTA

• **900** Handle RISTA • **936-943** or **936/P-943/P** 8 attachments sizes 1-8 / 0,5-30 mm • **945,946** or **945/P,946/P** 2 flexible attachments sizes 3,4 / 2-6 mm • **949** or **949/P** Multi-flame torche Perplex • **920** or **920/P** Cutting attachment 3-100 mm • **428** Tip-cleaning needles • **380/265** Combination wrench • **411/B** Safety goggles • **424** Gas lighter • **900/360** Sheet-steel box - **available for acetylene-oxygen or propane-oxygen**

Part no.	Part no.	mm-shank	kg	mm	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
<b>900/920/KPL</b>	<b>900/920/P/KPL</b>	Ø 18	7.87	470x215x90	



## PERKEO Welding, cutting and brazing outfit RISTA

• **900** Handle RISTA • **936-943** or **936/P-943/P** 8 attachments sizes 1-8 / 0,5-30 mm • **920** or **920/P** Cutting attachment 3-100 mm • **428** Tip-cleaning needles • **380/265** Combination wrench • **900/360** Sheet-steel box - **available for acetylene-oxygen or propane-oxygen**

Part no.	Part no.	mm-shank	kg	mm	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
<b>900/920</b>	<b>900/920/P</b>	Ø 18	7.00	470x215x90	



## PERKEO Welding, cutting and brazing outfit RISTA

• **900** Handle RISTA • **936-942** or **936/P-942/P** 7 attachments sizes 1-7 / 0,5-20 mm • **920** or **920/P** Cutting attachment 3-100 mm • **428** Tip-cleaning needles • **380/265** Combination wrench • **900/360** Sheet-steel box - **available for acetylene-oxygen or propane-oxygen**

Part no.	Part no.	mm-shank	kg	mm	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
<b>900/2</b>	<b>900/2/P</b>	Ø 18	6.53	470x215x90	

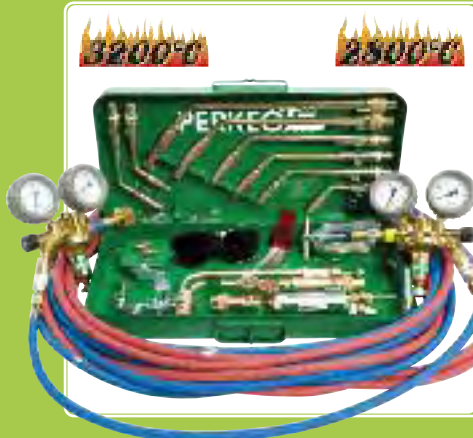


## PERKEO Welding, cutting and brazing outfit RISTA

• **900** Handle RISTA • **936-941** or **936/P-941/P** 6 attachments sizes 1-6 / 0,5-14 mm • **920** or **920/P** Cutting attachment 3-100 mm • **428** Tip-cleaning needles • **380/265** Combination wrench • **900/360** Sheet-steel box - **available for acetylene-oxygen or propane-oxygen**

Part no.	Part no.	mm-shank	kg	mm	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
<b>900/1</b>	<b>900/1/P</b>	Ø 18	6.10	470x215x90	





## PERKEO Welding, cutting and brazing equipment RISTA with accessories

- 381/K Oxygen regulator • 386/K or 392/01/K/T6 Acetylene or propane regulator • 415/01/05 or 415/02/07 10 m hose package with flash back arrestors • 900 Handle RISTA • 936-943 or 936/P-943/P 8 attachments sizes 1-8 / 0,5-30 mm • 920 or 920/P Cutting attachment 3-100 mm • 428 Tip-cleaning needles • 411/B Safety goggles • 424 Gas lighter • 424/12 12 replacement flints • 380/265 Combination wrench • 380/265/1 Fork wrench sizes 30/32 • 900/360 Sheet-steel box - available for acetylene-oxygen or propane-oxygen

Part no.	Part no.	mm-shank	kg	mm	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
129/01	129/01/P	Ø 18	14.60	500x200x200	



## PERKEO Welding, cutting and brazing equipment RISTA with accessories in tool case

- 381/K Oxygen regulator • 386/K or 392/01/K/T6 Acetylene or propane regulator • 415/01/05 or 415/02/07 10 m hose package with flash back arrestors • 900 Handle RISTA • 936-943 or 936/P-943/P 8 attachments sizes 1-8 / 0,5-30 mm • 920 or 920/P Cutting attachment 3-100 mm • 428 Tip-cleaning needles • 411/B Safety goggles • 424 Gas lighter • 424/12 12 replacement flints • 380/265 Combination wrench • 380/265/1 Fork wrench sizes 30/32 • 129/00 Sheet-steel box - available for acetylene-oxygen or propane-oxygen

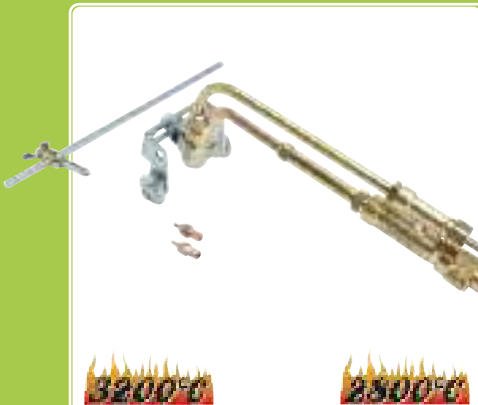
Part no.	Part no.	mm-shank	kg	mm	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
129	129/P	Ø 18	24.50	650x450x185	



## PERKEO Handle RISTA

For universal use - light-weight, handy and solid - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - aluminum grip - with detachable 6 mm hose connection nipples - screw threads: inlet fuel gas G3/8" LH - inlet oxygen G1/4" RH - outlet M24x1.5 RH

Part no.	mm-shank	kg	mm	
900	Ø 18	0.61	259x65x52	



## PERKEO Cutting attachment RISTA complete

Cuts up to 3 - 100 mm - complete with circle-cutting attachment - stainless steel and teflon wear parts - cutting tips made of hard copper (OSNA-Cu) - inlet M24x1.5 RH - available for acetylene-oxygen or propane-oxygen

Part no.	Part no.	mm-shank	kg	mm	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
920	920/P	Ø 18	1.04	300x494x27	



## PERKEO Cutting attachment RISTA

Cuts up to 3 - 100 mm - stainless steel and teflon wear parts - cutting tips made of hard copper (OSNA-Cu) - inlet M24x1.5 RH - **available for acetylene-oxygen or propane-oxygen**

Part no.	Part no.	mm-shank	kg	mm	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
<b>920/ORV</b>	<b>920/P/ORV</b>	Ø 18	0.89	300x94x27	



## PERKEO Precision cutting attachment RISTA

Cuts up to 2 - 80 mm - precise cuts and fine, sharp cut edges - suitable for acetylene-oxygen only - stainless steel and teflon wear parts - cutting tips made of hard copper (OSNA-Cu) - inlet M24x1.5 RH

Part no.	mm-shank	kg	mm	
• Acetylene-oxygen				
<b>920/908</b>	Ø 18	0.84	298x92x27	



## PERKEO Hole-cutting attachment RISTA

Cuts up to 3 - 25 mm - stainless steel and teflon wear parts - cutting tips made of hard copper (OSNA-Cu) - inlet M24x1.5 RH - **available for acetylene-oxygen or propane-oxygen**

Part no.	Part no.	mm-shank	kg	mm	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
<b>920/001</b>	<b>920/P/001</b>	Ø 18	0.85	280x60x27	



## PERKEO Welding and brazing attachments RISTA

Stainless steel and teflon wear parts - tips made of hard copper (OSNA-Cu) - inlet M24x1.5 RH - **available for acetylene-oxygen or propane-oxygen**

Part no.	Part no.	mm-shank	Size	mm-thickness	kg	mm
• Acetylene-oxygen	• Propane-oxygen					
<b>935</b>	<b>935/P</b>	Ø 18	0	0.3-0.5	0.18	140x40x30
<b>936</b>	<b>936/P</b>	Ø 18	1	0.5-1.0	0.19	140x40x30
<b>937</b>	<b>937/P</b>	Ø 18	2	1-2	0.20	170x41x30
<b>938</b>	<b>938/P</b>	Ø 18	3	2-4	0.22	195x50x30
<b>939</b>	<b>939/P</b>	Ø 18	4	4-6	0.24	230x53x30
<b>940</b>	<b>940/P</b>	Ø 18	5	6-9	0.31	265x60x30
<b>941</b>	<b>941/P</b>	Ø 18	6	9-14	0.34	310x75x30
<b>942</b>	<b>942/P</b>	Ø 18	7	14-20	0.43	360x78x30
<b>943</b>	<b>943/P</b>	Ø 18	8	20-30	0.47	415x87x30
<b>944</b>	<b>944/P</b>	Ø 18	9	30-50	0.54	520x90x30



## PERKEO Pipe-welding and brazing attachments RISTA

Flexible welding and brazing attachments for spots that are difficult to access - teflon wear parts - tips made of hard copper (OSNA-Cu) - inlet M24x1.5 RH - **available for acetylene-oxygen or propane-oxygen**

Part no.	Part no.	mm-shank	Size	mm-thickness	kg	mm
• Acetylene-oxygen	• Propane-oxygen					
<b>945/O</b>	<b>945/O/P</b>	Ø 18	2	1-2	0.19	235x30x30
<b>945</b>	<b>945/P</b>	Ø 18	3	2-4	0.19	235x30x30
<b>946</b>	<b>946/P</b>	Ø 18	4	4-6	0.19	235x30x30
<b>947</b>	<b>947/P</b>	Ø 18	5	6-9	0,19	235x30x30



## PERKEO Multi-flame torches PERPLEX RISTA

Especially developed for industrial applications and for dental technology and jewelry for melting and annealing of metals - for universal multi-flame torch attachments for welding, brazing, heating, etc. - stainless steel and teflon wear parts - tips made of hard copper (OSNA-Cu) - inlet M24x1.5 RH - **available for acetylene-oxygen, propane-oxygen or natural gas-oxygen**

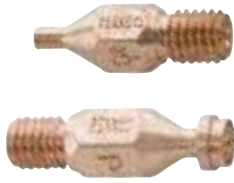
Part no.	Part no.	Part no.	mm-shank	Acetylene l/h	Propane g/h	Natural gas l/h	kg	mm
• Acetylene-oxygen	• Propane-oxygen	• Natural gas-oxygen						
<b>948</b>	<b>948/P</b>	<b>948/E</b>	Ø 18	320	250	780	0.23	215x50x30
<b>949</b>	<b>949/P</b>	<b>949/E</b>	Ø 18	750	620	1000	0.34	305x63x30
<b>949/2</b>	<b>949/2/P</b>	<b>949/2/E</b>	Ø 18	1900	1850	2000	0.45	365x78x30



## PERKEO Circle-cutting attachment

Roller guide - pipe clamp - compass rod - compass point

Part no.	kg	mm
<b>397</b>	0.15	195x70x19



## PERKEO Cutting tips RISTA

Cutting tips for thicknesses from 3 to 100 mm - tips made of hard copper (OSNA-Cu) - **available for acetylene-oxygen or propane-oxygen**

<b>Part no.</b>	<b>Part no.</b>	<b>Size</b>	<b>mm-thickness</b>	<b>kg</b>	<b>mm</b>
• Acetylene-oxygen	• Propane-oxygen				
<b>512/50/1</b>	<b>350/20</b>	1	3-25	0.02	SW 10x24
<b>512/50/2</b>	<b>350/21</b>	2	25-50	0.02	SW 10x24
<b>512/50/3</b>	<b>350/22</b>	3	50-100	0.02	SW 10x24



## PERKEO Heating tip RISTA

Heating tip for thicknesses from 3 to 100 mm - tip made of hard copper (OSNA-Cu) - **available for acetylene-oxygen or propane-oxygen**

<b>Part no.</b>	<b>Part no.</b>	<b>Size</b>	<b>mm-thickness</b>	<b>kg</b>	<b>mm</b>
• Acetylene-oxygen	• Propane-oxygen				
<b>512/51/2</b>	<b>350/19</b>	1-2	3-100	0.05	SW 22x28



## PERKEO Precision cutting tips RISTA

Precision cutting tips for thicknesses from 2 to 80 mm - suitable for acetylene-oxygen only - tips made of hard copper (OSNA-Cu)

<b>Part no.</b>	<b>Size</b>	<b>mm-thickness</b>	<b>kg</b>	<b>mm</b>
• Acetylene-oxygen				
<b>350/28/61</b>	1	2-10	0.02	SW 10x30
<b>350/28/62</b>	2	10-30	0.02	SW 10x30
<b>350/28/63</b>	3	30-60	0.02	SW 10x30
<b>350/28/64</b>	4	60-80	0.02	SW 10x30



## PERKEO Precision heating tips RISTA

Precision heating tips for thicknesses from 2 to 80 mm - suitable for acetylene-oxygen only - tips made of hard copper (OSNA-Cu)

<b>Part no.</b>	<b>Size</b>	<b>mm-thickness</b>	<b>kg</b>	<b>mm</b>
• Acetylene-oxygen				
<b>350/27/61</b>	1	2-80	0.02	SW 10x30



## PERKEO Welding and brazing tips RISTA

Tips made of hard copper (OSNA-Cu) - available for acetylene-oxygen or propane-oxygen

<i>Part no.</i>	<i>Part no.</i>	<i>Size</i>	<i>mm-thickness</i>	<i>kg</i>	<i>mm</i>
• Acetylene-oxygen	• Propane-oxygen				
<b>501/148</b>	<b>501/148/P</b>	0	0.3-0.5	0.18	Ø 12x34
<b>510/60</b>	<b>510/60/P</b>	1	0.5-1.0	0.19	Ø 12x43
<b>510/61</b>	<b>510/61/P</b>	2	1-2	0.20	Ø 12x43
<b>510/62</b>	<b>510/62/P</b>	3	2-4	0.22	Ø 13x48
<b>510/63</b>	<b>510/63/P</b>	4	4-6	0.24	Ø 13x52
<b>510/64</b>	<b>510/64/P</b>	5	6-9	0.31	Ø 16x61
<b>510/65</b>	<b>510/65/P</b>	6	9-14	0.34	Ø 16x68
<b>510/66</b>	<b>510/66/P</b>	7	14-20	0.43	Ø 19x79
<b>510/67</b>	<b>510/67/P</b>	8	20-30	0.47	Ø 19x83
<b>510/68</b>	<b>510/68/P</b>	9	30-50	0.54	Ø 19x89



## PERKEO Pipe-welding and brazing attachments - replacement parts RISTA

Replacement parts for flexible welding and brazing attachments - tips made of hard copper (OSNA-Cu) - available for acetylene-oxygen or propane-oxygen

<i>Part no.</i>	<i>Part no.</i>	<i>Size</i>	<i>mm-thickness</i>	<i>kg</i>	<i>mm</i>
• Acetylene-oxygen	• Propane-oxygen				
<b>945/0/ET</b>	<b>945/0/P/ET</b>	2	1-2	0.05	180x30x14
<b>945/ET</b>	<b>945/P/ET</b>	3	2-4	0.05	180x30x14
<b>946/ET</b>	<b>946/P/ET</b>	4	4-6	0.05	180x30x14
<b>947/ET</b>	<b>947/P/ET</b>	5	6-9	0.05	180x30x14



## PERKEO Multi-flame torch tips PERPLEX RISTA

Replacement tips for multi-flame torch attachments for welding, brazing, annealing, heating, etc. - available for acetylene-oxygen, propane-oxygen or natural gas-oxygen

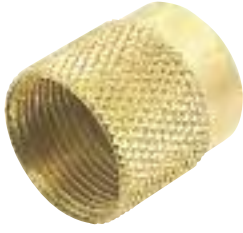
<i>Part no.</i>	<i>Part no.</i>	<i>Part no.</i>	<i>Acetylene l/h</i>	<i>Propane g/h</i>	<i>Natural gas l/h</i>	<i>kg</i>	<i>mm</i>
• Acetylene-oxygen	• Propane-oxygen	• Natural gas-oxygen					
<b>501/78</b>	<b>501/78/P</b>	<b>501/78/E</b>	320	250	780	0.03	Ø 14x31
<b>518/1</b>	<b>518/1/P</b>	<b>518/1/E</b>	750	620	1000	0.09	Ø 18x50
<b>520/3</b>	<b>520/3/P</b>	<b>520/3/E</b>	1900	1850	2000	0.14	Ø 24x60



## PERKEO Hand wheels with valve stems for RISTA handle

Hand wheels made of shaped brass - valve stems made of high-quality stainless steel - gaskets of valves made of indestructible teflon - on the gas side with spring mechanism for exact flame adjustment - completely assembled

<i>Part no.</i>	<i>Part no.</i>	<i>kg</i>	<i>mm</i>
• Gas	• Oxygen		
<b>801/10</b>	<b>801/11</b>	0.05	Ø 32x42



## PERKEO Cap nut for all RISTA attachments

Made of solid brass

<b>Part no.</b>	<b>mm-shank</b>	<b>kg</b>	<b>mm</b>	
<b>300/44</b>	Ø 18	0.03	Ø 32x35	



## PERKEO Teflon gasket for all RISTA attachments

Made of indestructible teflon

<b>Part no.</b>	<b>mm-shank</b>	<b>kg</b>	<b>mm</b>	
<b>360/57</b>	Ø 18	0.01	Ø 19x4	



## PERKEO Micro welding and brazing outfit MIKRO RISTA - for very fine brazing and welding applications - ideal for gold smiths and silver smiths, clockmakers, opticians and dental technology

- 907 Handle MIKRO RISTA • 913/01/3-913/01/10 or 913/02/2,5-913/02/8 6 micro tips sizes M1-M6 (copper tips for acetylene-oxygen) or M1-M5 (needle tips for propane-oxygen) / 0,01 - 1 mm • 415/00/11 2 m hose package - available for acetylene-oxygen or propane-oxygen

Part no.	Part no.	mm-shank	kg	mm	Also suitable for hydrogen/oxygen
• Acetylene-oxygen	• Propane-oxygen				
911	911/P	Ø 4	0.35	260x220x45	



## PERKEO Micro handle MIKRO RISTA

Special handle with plug-in shank and hook for micro welding and brazing applications - extremely light-weight and handy but still solid - connections by means of 4 mm hose connectors

Part no.	mm-shank	kg	mm
907	Ø 4	0.11	190x53x57



## PERKEO Micro welding and brazing tips MIKRO RISTA

Inlet via 4 mm plug-in shank - Available for acetylene-oxygen (with copper tips) or propane-oxygen (steel needle tips)

Part no.	Part no.	mm-shank	Size	mm-thickness	kg	mm	Also suitable for hydrogen/oxygen
• Acetylene-oxygen	• Propane-oxygen						
913/01/1	913/02/2	Ø 4	M1	0.01-0.02	0.01	34x6x6	
913/01/2	913/02/3	Ø 4	M2	0.02-0.03	0.01	34x6x6	
913/01/3	913/02/5	Ø 4	M3	0.03-0.04	0.01	34x6x6	
913/01/4	913/02/7	Ø 4	M4	0.04-0.06	0.01	34x6x6	
913/01/5	-	Ø 4	M5	0.06-0.08	0.01	34x6x6	
913/01/6	913/02/9	Ø 4	M6	0.08-1.00	0.01	34x6x6	



## PERKEO Micro hose package

Especially light-weight and flexible - on gas side with connections, handle side loose - available with or without flashback arrestors - medium pressure (MP) up to 7 bar max. - connection oxygen G1/4"RH - connection fuel gas G3/8"LH

Part no.	Part no.	m-length	pressure class	mm-inside	mm-thickness	kg with flashback arrestor	kg without flashback arrestor
• with fb. arrestors	• without fb. arrestors						
415/00/01	415/00/11	2	MP	Ø 4 / Ø 4	1.5 / 1.5	0.45	0.20
415/00/02	415/00/12	3	MP	Ø 4 / Ø 4	1.5 / 1.5	0.50	0.25
415/00/03	415/00/13	5	MP	Ø 4 / Ø 4	1.5 / 1.5	0.60	0.35



## PERKEO Acetylene hoses according to EN 559

Medium pressure (MP) up to 20 bar max. - extremely flexible - length as desired - roll length 40 m

Part no.	Pressure class	mm-inside	mm-thickness	kg/m
401/T4	MP	Ø 4	3.5	0.17
401	MP	Ø 6	3.5	0.20
401/T9	MP	Ø 9	3.5	0.23



## PERKEO Propane hoses according to DIN 4815

High pressure (HP) up to 30 bar max. - medium pressure (MP) up to 6 bar max. - extremely flexible - length as desired - roll length 40 m

Part no.	Pressure class	mm-inside	mm-thickness	kg/m
400/T4	MP	Ø 4	3.5	0.17
400	MP	Ø 6	3.5	0.20
400/T9	MP	Ø 9	3.5	0.23
402	HP	Ø 4	4	0.18
403	HP	Ø 6	5	0.24



## PERKEO Multigas hose according to EN 559

*New*

Special hose for all kind of burnable gas (acetylene, propane, butane, natural gas, hydrogen, etc.) - Medium pressure (MP) up to 20 bar max. - extremely flexible - length as desired - roll length 40 m

Part no.	Pressure class	mm-inside	mm-thickness	kg/m
400/01	MP	Ø 6	3.5	0.20
400/02	MP	Ø 9	3.5	0.23



## PERKEO Oxygen hoses according to EN 559

Medium pressure (MP) up to 20 bar max. - extremely flexible - length as desired - roll length 40 m

Part no.	Pressure class	mm-inside	mm-thickness	kg/m
401/08/T4	MP	Ø 4	3.5	0.17
401/08	MP	Ø 6	3.5	0.20





## PERKEO PVC industrial hose

Medium pressure (MP) up to 7 bar max. - extremely thin light and very flexible - length as desired - roll length 100 m - with fabric interlayer made of tear-resistant synthetic yarn

Part no.	Color	Gas	Pressure class	mm-inside	mm-thickness	kg/m
401/T3	red	Acetylene, Propane	MP	4	1.5	0.05
401/08/T3	blue	Oxygen, Argon	MP	4	1.5	0.05



## PERKEO Air hoses

Soft PVC hoses with textile braid reinforcement - resistant to ageing - temperature range from -20°C up to +65°C - length as desired - roll length 50 m

Part no.	bar pressure class	mm-inside	mm-thickness	kg/m
401/08/01	up to 30	Ø 4	3	0.08
401/08/02	up to 25	Ø 6	3	0.11
401/08/03	up to 22	Ø 9	3	0.14



## PERKEO Nitrogen hoses

With textile braid reinforcement - working pressure up to 60 bar - temperature range from -20°C up to +50/70°C - length as desired - roll length 40 m (401/08/05 100 m)

Part no.	bar pressure class	mm-inside	mm-thickness	kg/m
401/08/06	up to 51	Ø 5	3	0.11
401/08/04	up to 20	Ø 6	5	0.24
401/08/05	up to 60	Ø 10	4.5	0.30



## PERKEO Twin hoses for acetylene-oxygen according to EN 559

Medium pressure (MP) up to 20 bar max. - extremely flexible - length as desired - roll length 40 m

Part no.	bar pressure class	mm-inside	mm-thickness	kg/m
401/Z2	MP	Ø 4 / Ø 4	3.5 / 3.5	0.32
401/Z1	MP	Ø 6 / Ø 6	3.5 / 3.5	0.40
401/Z3	MP	Ø 6 / Ø 9	3.5 / 5.0	0.43



## PERKEO Hose packages for acetylene-oxygen

Assembled with connections - available with or without flashback arrestors - medium pressure (MP) up to 20 bar max. - extremely flexible - connection oxygen G1/4"RH - connection fuel gas G3/8"LH - special design **415/01/99** with built-in flashback arrestors for equipment no. **127**

Part no.	Part no.	m-length	Pressure class	mm-inside	mm-thickness	kg with flashback arrestor	kg without flashback arrestor
• with fb. arrestor	• without fb. arrestor						
<b>415/01/01</b>	<b>415/01/11</b>	5	MP	Ø 4 / Ø 4	3.5 / 3.5	2.15	1.90
<b>415/01/02</b>	<b>415/01/12</b>	10	MP	Ø 4 / Ø 4	3.5 / 3.5	3.85	3.60
<b>415/01/03</b>	<b>415/01/13</b>	20	MP	Ø 4 / Ø 4	3.5 / 3.5	7.25	7.00
<b>415/01/04</b>	<b>415/01/14</b>	5	MP	Ø 6 / Ø 6	3.5 / 3.5	2.45	2.20
<b>415/01/05</b>	<b>415/01/15</b>	10	MP	Ø 6 / Ø 6	3.5 / 3.5	4.35	4.10
<b>415/01/06</b>	<b>415/01/16</b>	20	MP	Ø 6 / Ø 6	3.5 / 3.5	8.35	8.10
<b>415/01/99</b>	-	5	MP	Ø 6 / Ø 6	3.5 / 3.5	2.08	-



## PERKEO Hose packages for propane-oxygen

Assembled with connections - available with or without flashback arrestors - medium pressure (MP) up to 6 bar max. - extremely flexible - connection oxygen G1/4"RH - connection fuel gas G3/8"LH - special design **415/02/99** with built-in flashback arrestors for equipment items no. **799/16/01/3, 799/16/01/4, 799/16/01/5 and no. 799/16/01/6**

Part no.	Part no.	m-length	Pressure class	mm-inside	mm-thickness	kg with flashback arrestor	kg without flashback arrestor
• with fb. arrestor	• without fb. arrestor						
<b>415/02/01</b>	<b>415/02/11</b>	3	MP	Ø 4 / Ø 4	3.5 / 3.5	1.40	1.15
<b>415/02/02</b>	<b>415/02/12</b>	5	MP	Ø 4 / Ø 4	3.5 / 3.5	2.15	1.90
<b>415/02/03</b>	<b>415/02/13</b>	10	MP	Ø 4 / Ø 4	3.5 / 3.5	3.85	3.60
<b>415/02/04</b>	<b>415/02/14</b>	20	MP	Ø 4 / Ø 4	3.5 / 3.5	7.25	7.00
<b>415/02/05</b>	<b>415/02/15</b>	3	MP	Ø 6 / Ø 6	3.5 / 3.5	1.60	1.35
<b>415/02/06</b>	<b>415/02/16</b>	5	MP	Ø 6 / Ø 6	3.5 / 3.5	2.45	2.20
<b>415/02/07</b>	<b>415/02/17</b>	10	MP	Ø 6 / Ø 6	3.5 / 3.5	4.35	4.10
<b>415/02/99</b>	-	3	MP	Ø 4 / Ø 4	3.5 / 3.5	1.35	-
<b>415/02/100</b>	-	5	MP	Ø 4 / Ø 4	3.5 / 3.5	2.10	-



## PERKEO refrigerant charging hoses



1.5 m hose designed for a working pressure of up to 55 bar, completely assembled in blue, red and yellow with ¼" SAE (7/16" UNF) adapter, one straight and one with a 45° angle with valve core imprinter - available with or without ball valve

Part no.	Color	Version	kg	mm
<b>467/10/4001</b>	blue	without ball valve	0.22	Ø250x20
<b>467/10/4002</b>	red	without ball valve	0.22	Ø250x20
<b>467/10/4003</b>	yellow	without ball valve	0.22	Ø250x20
<b>467/10/4101</b>	blue	with ball valve	0.30	Ø250x30
<b>467/10/4102</b>	red	with ball valve	0.30	Ø250x30
<b>467/10/4103</b>	yellow	with ball valve	0.30	Ø250x30

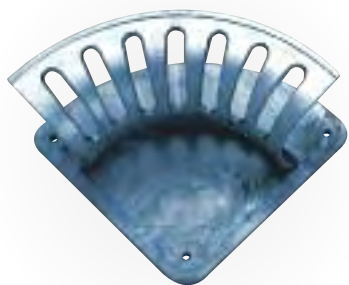


## PERKEO Hose reel with acetylene-oxygen twin hose according to DIN 8541



Automatic hose reel with spring return mechanism - can be mounted to wall, ceiling or floor - latching mechanism holds the hose at the desired length, release by repeated tugging - medium pressure (MP) up to 20 bar max. - TÜV-GS-tested

Part no.	m-length	Pressure class	mm-inside	mm-thickness	kg	mm
<b>407/Z1/15</b>	15	MP	Ø 6 / Ø 6	3.5 / 3.5	11.00	50x40x15



## PERKEO Wall fastening unit for hoses

With torch-holding device - made of aluminum - careful treatment of the hoses is ensured by rounded surfaces of the device

Part no.	kg	mm
407/1	1.00	30x30x35



## PERKEO Double hose clips

For connecting two hoses with outside diameters of 6-16 mm

Part no.	for outside mm	Material	kg	mm
405/3	Ø 6-7 / Ø 6-7	Steel	0.01	16x6x7
405/4	Ø 11 / Ø 11	Aluminum	0.01	30x13x18
405/2	Ø 13 / Ø 13	Aluminum	0.01	34x13x21
405/1	Ø 16 / Ø 16	Plastic	0.01	42x15x28



## PERKEO Hose clamps



For fast and safety fixing hoses with outside diameters of 7-16 mm - band and body made of stainless stell 1.4016 - screw zinc coated

Part no.	for outside mm	band width mm	kg	mm
406/02/01	Ø 7 - 11	5	0.01	Ø 15x5
406/02/02	Ø 8 - 12	9	0.01	Ø 17x9
406/02/03	Ø 10 - 16	9	0.01	Ø 21x9



## PERKEO 1-ear clamps with insert



For fast and safety fixing hoses with outside diameters of 7-16 mm

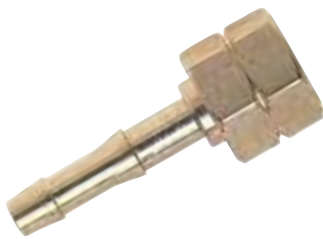
Part no.	for outside mm	band width mm	kg	mm
406/01/01	Ø 7 - 8,2	6.4	0.01	Ø 8x6
406/01/02	Ø 8.8 - 10.5	7.4	0.01	Ø 10x7
406/01/03	Ø 10.6 - 12.6	8.2	0.01	Ø 13x8
406/01/04	Ø 12.8 - 14.8	8.2	0.01	Ø 15x8
406/01/05	Ø 14.6 - 16.8	8.2	0.01	Ø 17x8



## PERKEO Hose clamps

For fixing hoses with outside diameters of 9-21 mm

Part no.	for outside mm	kg	mm
406	Ø 9-12	0.01	89x15x17
406/1	Ø 12-21	0.01	165x22x27



## PERKEO Threaded hose couplings with left-hand thread

Hose nipples with cap nuts

Part no.	Screw thread	mm-nipple	kg	mm	Part no.	Screw thread	mm-nipple	kg	mm
380/L/T4	M10x1 LH	Ø 4	0.01	SW12x28	380/L/T3	G3/8" LH	Ø 3	0.04	SW19x28
380/L	M10x1 LH	Ø 6	0.02	SW12x39	380/L/T4	G3/8" LH	Ø 4	0.04	SW19x33
380/L/T9	M10x1 LH	Ø 9	0.01	SW12x39	380/L	G3/8" LH	Ø 6	0.04	SW19x50
380/K/T4	G1/4" LH	Ø 4	0.03	SW17x49	380/L/T9	G3/8" LH	Ø 9	0.04	SW19x50
380/K	G1/4" LH	Ø 6	0.03	SW17x49	380/N	G1/2" LH	Ø 6	0.07	SW24x60
380/K/T9	G1/4" LH	Ø 9	0.04	SW17x49	380/N/T9	G1/2" LH	Ø 9	0.08	SW24x60

Other designs upon request



## PERKEO Threaded hose couplings with right-hand thread

Hose nipples with cap nuts

Part no.	Screw thread	mm-nipple	kg	mm	Part no.	Screw thread	mm-nipple	kg	mm
380/G/T3	G1/4" RH	Ø 3	0.03	SW17x40	380/M	G1/2" RH	Ø 6	0.05	SW24x52
380/G/T4	G1/4" RH	Ø 4	0.03	SW17x47	380/M/T9	G1/2" RH	Ø 9	0.05	SW24x52
380/G	G1/4" RH	Ø 6	0.03	SW17x47	380/U/T5	1/4" SAE (7/16" UNF)	Ø 5	0.03	Ø 18x52
380/G/T9	G1/4" RH	Ø 9	0.03	SW17x47			with core depressor		
380/H/T4	G3/8" RH	Ø 4	0.04	SW19x33	Other designs upon request				
380/H	G3/8" RH	Ø 6	0.04	SW19x52					
380/H/T9	G3/8" RH	Ø 9	0.04	SW19x50					



## PERKEO Swivel adaptors with left-hand threads

Connection side of torch handle can be turned 360° - for all PERKEO handles with G3/8" LH connection

Part no.	Inlet	Outlet	kg	mm
380/V	G3/8" LH	G3/8" LH	0.06	41x19x19



## PERKEO Screw nipple with left-hand thread



Hose screw nipple with female screw thread made of brass

Part no.	Screw thread	mm-nipple	kg	mm
380/L/T9/S	M10x1 LH	Ø 9	0,05	SW17x47



## PERKEO Hose splices

For hose connections

Part no.	Inlet	Outlet	kg	mm
487/1/T4	Nipple Ø 4	Nipple Ø 4	0.02	Ø 6x73
487/1/T6	Nipple Ø 6	Nipple Ø 6	0.02	Ø 9x73
487/1/T9	Nipple Ø 9	Nipple Ø 9	0.03	Ø 13x72
487/1/T4/T6	Nipple Ø 4	Nipple Ø 6	0.03	Ø 9x72
487/1/T6/T9	Nipple Ø 6	Nipple Ø 9	0.03	Ø 13x85



## PERKEO Double-thread nipples

With male thread and inner cone

Part no.	Screw thread	kg	mm	Part no.	Screw thread	kg	mm
153/2	G3/8" LH x G3/8" LH	0.03	SW19x27	153/3	G1/4" RH x G1/4" RH	0.03	SW17x27
153/6	G3/8" LH x G3/8" RH	0.03	SW19x30	153/12	G1/4" LH x G1/4" RH	0.03	SW17x27
153/17	G3/8" LH x G1/4" LH	0.03	SW17x36	153/7	G1/4" LH x G1/4" LH	0.03	SW17x27
153/5	G3/8" LH x G1/4" RH	0.03	SW19x27	153/9	G1/2" RH x G1/2" RH	0.03	SW17x27
153/18	G3/8" LH x G1/2" LH	0.03	SW22x41	153/15	G1/2" RH x G1/2" LH	0.03	SW22x44
153/19	G3/8" LH x G1/2" RH	0.03	SW22x41	153/16	G1/2" LH x G1/2" LH	0.03	SW22x44
153/10	G3/8" LH x M10x1 LH	0.03	SW19x27	153/13	¼" SAE (7/16" UNF) x ¼" SAE (7/16" UNF)	0.03	SW17x27
153/1	G3/8" RH x G3/8" RH	0.03	SW19x27	153/14	¼" SAE (7/16" UNF) x G3/8" RH	0.03	SW17x27
153/20	G3/8" RH x G1/4" LH	0.03	SW17x36	Other designs upon request			
153/4	G3/8" RH x G1/4" RH	0.03	SW19x30				
153/8	G3/8" RH x G1/2" RH	0.03	SW22x35				



## PERKEO Reducing nipple G3/8" LH and G3/8" RH



All male threads with inner cone

Part no.	Female thread	Male thread	kg	mm	Part no.	Female thread	Male thread	kg	mm
154/4	G3/8" LH	G3/8" LH	0.03	SW19x33	154/10	G3/8" RH	G3/8" RH	0.03	SW19x29
154/5	G3/8" LH	G3/8" RH	0.03	SW19x33	154/11	G3/8" RH	G3/8" LH	0.03	SW19x33
154/6	G3/8" LH	G1/4" LH	0.03	SW19x28	154/12	G3/8" RH	G1/4" RH	0.03	SW19x29
154/7	G3/8" LH	G1/4" RH	0.03	SW19x24	154/13	G3/8" RH	G1/2" RH	0.03	SW22x36
154/8	G3/8" LH	G1/2" LH	0.03	SW22x36	154/25	G3/8" RH	M14x1 RH	0.03	SW19x29
154/9	G3/8" LH	G1/2" RH	0.03	SW24x32					



## PERKEO Reducing nipple G1/4" LH + RH and G1/2" LH + RH

New

All male threads with inner cone

Part no.	Female thread	Male thread	kg	mm	Part no.	Female thread	Male thread	kg	mm
<b>154/14</b>	G1/4" LH	G3/8" LH	0.03	SW17x25	<b>154/21</b>	G1/2" LH	G3/8" LH	0.03	SW24x30
<b>154/15</b>	G1/4" LH	G1/2" LH	0.03	SW22x26	<b>154/22</b>	G1/2" RH	G1/2" RH	0.03	SW24x33
<b>154/16</b>	G1/4" LH	G3/8" RH	0.03	SW17x25	<b>154/23</b>	G1/2" RH	G3/8" RH	0.03	SW24x32
<b>154/17</b>	G1/4" RH	G1/4" RH	0.03	SW17x28	<b>154/24</b>	G1/2" RH	G1/4" RH	0.03	SW24x26
<b>154/18</b>	G1/4" RH	G1/4" LH	0.03	SW17x28	Other designs upon request				
<b>154/19</b>	G1/4" RH	G3/8" RH	0.03	SW19x29					
<b>154/20</b>	G1/4" RH	G3/8" LH	0.03	SW17x25					



## PERKEO 1/4" SAE (7/16" UNF) adapter for nitrogen regulator

New

Double threaded solid brass nipple for nitrogen regulators **389** and **389/20** - mounted directly in the regulator case (torque: 38Nm) - therefore, no additional components are required, flat sealing external thread.

Part no.	Male thread 1	Male thread 2	kg	mm
<b>153/3/S</b>	G1/4" RH	1/4" SAE (7/16" UNF)	0.03	SW 17x30



## PERKEO 1/4" SAE (7/16" UNF) universal adapter for nitrogen regulator

New

Universal solid brass reducer with conic aluminum sealing nipple for all common nitrogen regulators. Easy installation on the outgoing thread of the regulator.

Part no.	Female thread	Male thread	kg	mm
<b>154/3</b>	G1/4" RH	1/4" SAE (7/16" UNF)	0.03	SW 17x30

# OXY-GAS • Quick-release couplings



## PERKEO Quick-release couplings according to DIN-EN 561

Connection to regulators - with automatic gas shut-off - versions for fuel gases and oxygen

Part no.	Type of gas	Inlet	Outlet	kg	mm
492/5	Burnable gas	G3/8" LH	G3/8" LH	0.16	Ø 21x90
492/5/T6	Burnable gas	G3/8" LH	Nipple Ø 6	0.16	Ø 21x108
492/5/T9	Burnable gas	G3/8" LH	Nipple Ø 9	0.16	Ø 21x108
492/6	Oxygen	G1/4" RH	G1/4" RH	0.16	Ø 21x90
492/6/T6	Oxygen	G1/4" RH	Nipple Ø 6	0.16	Ø 21x109

## PERKEO Quick-release couplings according to DIN-EN 561

### Rapid changer and rotating connection in one!

The quick-release coupling facilitates quick and easy switching of the torch with a connected gas cylinder! This is made possible by the automatic gas-stop function. A membrane in the coupling prevents unwanted gas from escaping during decoupling. Additionally, the torch handle can be turned 360° through the use of the quick-release coupling. This means less effort in terms of arm movements for example when heating with the roofing torch. Manual work is considerably eased.



Connection to torch handles - with automatic gas shut-off



Simply decouple the torch from the hose and couple another torch - done!

Part no.	Type of gas	Inlet	Outlet	kg	mm
492/1	Burnable gas	G3/8" LH	G3/8" LH	0.14	Ø 21x90
492/1/T6	Burnable gas	Nipple Ø 6	G3/8" LH	0.14	Ø 21x95
492/1/T9	Burnable gas	Nipple Ø 9	G3/8" LH	0.14	Ø 21x95
492/2	Oxygen	G1/4" RH	G1/4" RH	0.14	Ø 21x90
492/2/T6	Oxygen	Nipple Ø 6	G1/4" RH	0.14	Ø 21x95



## PERKEO Quick-release couplings according to DIN-EN 561

Connection between gas hoses - with automatic gas shut-off - versions for fuel gases and oxygen

Part no.	Type of gas	Inlet	Outlet	kg	mm
492/3	Burnable gas	G3/8" LH	G3/8" LH	0.16	Ø 21x90
492/3/T6	Burnable gas	Nipple Ø 6	Nipple Ø 6	0.16	Ø 21x126
492/3/T9	Burnable gas	Nipple Ø 9	Nipple Ø 9	0.16	Ø 21x126
492/4	Oxygen	G1/4" RH	G1/4" RH	0.16	Ø 21x90
492/4/T6	Oxygen	Nipple Ø 6	Nipple Ø 6	0.16	Ø 21x126



## PERKEO Oxygen regulator according to DIN EN ISO 2503

Inlet pressure 200 bar max. - single-stage version - solid brass design - with shut-off and safety valve - BAM-tested - version with gauge protection covers = 381/K

Part no.	bar-cylinder pressure	bar-working pressure	Nm <sup>2</sup> /h max.	Inlet	Outlet	kg	mm
<b>381</b>	0-315/200	0-16/10	45.6	G3/4" RH	G1/4" RH	1.50	210x190x75

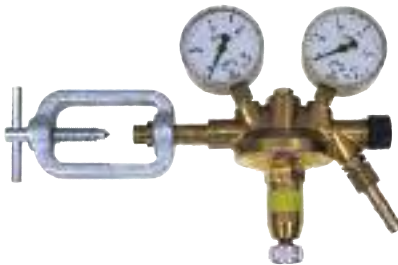


## PERKEO Oxygen regulator MINI according to DIN EN ISO 2503

*New*

Inlet pressure 200 bar max. - single-stage version - solid brass design - with shut-off and safety valve - with gauge protection covers - small and compact design

Part no.	bar-cylinder pressure	bar-working pressure	Nm <sup>2</sup> /h max.	Inlet	Outlet	kg	mm
<b>381/K/01</b>	0-315/200	0-6/4	5	G3/4" RH	G1/4" RH	0.70	57x35x30



## PERKEO Acetylene regulator according to DIN EN ISO 2503

Inlet pressure 200 bar max. - single-stage version - solid brass design - with shut-off and safety valve - BAM-tested - version with gauge protection covers = **386/K**

Part no.	bar-cylinder pressure	bar-working pressure	Nm <sup>2</sup> /h max.	Inlet	Outlet	kg	mm
<b>386</b>	0-40/26	0-2.5/1.5	8.5	Stirrup	G3/8" LH	2.10	250x190x75



## PERKEO Argon/CO<sub>2</sub> regulator according to DIN EN ISO 2503

Inlet pressure 200 bar max. - single-stage version - solid brass design - with shut-off and safety valve - BAM-tested - version with gauge protection covers = **382/K**

Part no.	bar-cylinder pressure	l/min-range	Nm <sup>2</sup> /h max.	Inlet	Outlet	kg	mm
<b>382</b>	0-315/200	0-30	40.8	W21.8x1/14" RH	G1/4" RH	1.50	210x190x75





## PERKEO Nitrogen regulators according to DIN EN ISO 2503

Max. input pressure 200 bar - single-stage model - sturdy solid brass design - equipped with locking and safety valve - with protective caps for the manometer = order number/K (e. g. **389/K**)

Part no.	Version	bar-cylinder pressure	bar-work. pressure	Nm <sup>3</sup> /h max.	Inlet	Outlet	kg	mm
<b>389</b>	with shut-off valve	0-315/200	0-16/10	48	W24.32x1/14" RH	G1/4" RH	1.50	210x190x75
<b>389/20</b>	with shut-off valve	0-315/200	0-40/20	75	W24.32x1/14" RH	G1/4" RH	1.90	210x210x75
<b>389/30</b>	without shut-off valve	0-315/200	0-60/30	130	W24.32x1/14" RH	G1/4" RH	2.20	280x250x75
<b>389/40/01</b>	with shut-off valve	0-315/200	0-60/40	130	W24.32x1/14" RH	G1/4" RH	2.25	280x250x75



## PERKEO High-performance ribbed nitrogen regulators according to DIN EN ISO 2503

Max. input pressure 200 bar - single-stage model - sturdy solid brass design - equipped with locking and safety valve - high transmission with constant pressure behaviour across the entire range of control - with protective caps for the manometer = order number/K (e. g. **389/40/K**)

Part no.	bar-cylinder pressure	bar-work. pressure	Nm <sup>3</sup> /h max.	Inlet	Outlet	kg	mm
<b>389/40</b>	0-315/200	0-60/40	290	W24.32x1/14" RH	G1/2" RH	3.80	240x330x85
<b>389/60</b>	0-315/200	0-100/60	450	W24.32x1/14" RH	G1/2" RH	3.80	240x330x85



## PERKEO Compressed air regulator according to DIN EN ISO 2503

Inlet pressure 200 bar max. - single-stage version - solid brass design - with shut-off and safety valve - BAM-tested - version with gauge protection covers = **393/K**

Part no.	bar-cylinder pressure	bar-work. pressure	Nm <sup>3</sup> /h max.	Inlet	Outlet	kg	mm
<b>393</b>	0-315/200	0-16/10	48	G5/8" RH	G1/4" RH	1.50	210x190x75



## PERKEO Propane regulator according to DIN EN ISO 2503

Inlet pressure 200 bar max. - single-stage version - solid brass design - with shut-off and safety valve - connection for 5-33 kg cylinders - BAM-tested - version with gauge protection covers = **392/01/K/T6**

Part no.	kg-cylinder	bar-work. pressure	g/h max.	Inlet	Outlet	kg	mm
<b>392/01/T6</b>	5-33 kg	0-6/4	10000	W21.8x1/14" LH	G3/8" LH	1.30	200x200x76



## PERKEO Constant-pressure propane regulator for 0.425 kg on-site cylinder

Preset to 1.5 bar - solid brass design - built-in sintered metal filters protect soldering systems against jelling when cylinder tips over or was recently filled

Part no.	bar-working pressure	g/h max.	Inlet	Outlet	kg	mm
570/T	1,5	1500	G3/8" LH	G3/8" LH	0.28	78x45x36



## PERKEO Gas cartridge valve

New

Regulation valve for gas cartridges - Inlet 7/16"x25 UNF - Outlet G3/8" LH

Part no.	kg	mm
570/01/T	0.1	45x38x35



## PERKEO Hydrogen regulator according to DIN EN ISO 2503

Inlet pressure 200 bar max. - single-stage version - solid brass design - with shut-off and safety valve - BAM-tested - version with gauge protection covers = **387/K**

Part no.	bar-cylinder pressure	bar-working pressure	Nm <sup>3</sup> /h max.	Inlet	Outlet	kg	mm
387	0-315/200	0-16/10	182.4	W21.8x1/14" LH	G3/8" LH	1.50	210x190x75

# OXY-GAS • Pipeline regulators, control panels



## PERKEO Oxygen pipeline regulator

Inlet pressure 20 bar max. - single-stage version - with working gauge - solid brass design

<b>Part no.</b>	<b>bar- working pressure</b>	<b>Nm<sup>3</sup>/h max.</b>	<b>Inlet</b>	<b>Outlet</b>	<b>kg</b>	<b>mm</b>
<b>395/01</b>	0-16/10	46	G3/8" RH	G1/4" RH	1.00	120x160x65



## PERKEO Acetylene pipeline regulator

Inlet pressure 20 bar max. - single-stage version - with working gauge - solid brass design

<b>Part no.</b>	<b>bar- working pressure</b>	<b>Nm<sup>3</sup>/h max.</b>	<b>Inlet</b>	<b>Outlet</b>	<b>kg</b>	<b>mm</b>
<b>395/02</b>	0-2.5/1.5	3.5	G3/8" LH	G3/8" LH	1.00	120x160x65



## PERKEO Argon/CO<sub>2</sub> pipeline regulator

Inlet pressure 20 bar max. - single-stage version - with working gauge - solid brass design

<b>Part no.</b>	<b>l/min- range</b>	<b>Nm<sup>3</sup>/h max.</b>	<b>Inlet</b>	<b>Outlet</b>	<b>kg</b>	<b>mm</b>
<b>395/06</b>	0-20	39.1	G3/8" RH	G1/4" RH	1.00	120x160x65



## PERKEO ARGON pipeline regulators

Inlet pressure 20 bar max. - single-stage version - with flowmeter - solid brass design

<b>Part no.</b>	<b>l/min- range</b>	<b>Nl/min at 1.5 bar</b>	<b>Inlet</b>	<b>Outlet</b>	<b>kg</b>	<b>mm</b>
<b>395/05/F14</b>	1-14	14	G3/8" RH	G1/4" RH	1.00	120x210x65
<b>395/05</b>	4-32	32	G3/8" RH	G1/4" RH	1.00	120x210x65



## PERKEO Nitrogen pipeline regulators

Inlet pressure 20 bar max. - single-stage version - with working gauge - solid brass design

Part no.	bar-working pressure	Nm <sup>3</sup> /h max.	Inlet	Outlet	kg	mm
395/04	0-16/10	46	G3/8" RH	G1/4" RH	1.00	120x160x65
395/04/20	0-40/20	120	G3/8" RH	G1/4" RH	1.50	210x190x75
395/04/30	0-60/30	140	G3/8" RH	G1/4" RH	1.90	210x190x75



## PERKEO Compressed air pipeline regulator

Inlet pressure 20 bar max. - single-stage version - with working gauge - solid brass design

Part no.	bar-working pressure	Nm <sup>3</sup> /h max.	Inlet	Outlet	kg	mm
395/07	0-16/10	46	G3/8" RH	G1/4" RH	1.00	120x160x65



## PERKEO Propane pipeline regulators

Inlet pressure 20 bar max. - single-stage version - with working gauge - solid brass design

Part no.	bar-working pressure	g/h max.	Inlet	Outlet	kg	mm
395/03	0-4/2.5	17000	G3/8" LH	G3/8" LH	1.00	120x160x65
395/03/4	0-6/4	40000	G3/8" LH	G3/8" LH	1.00	120x160x65



## PERKEO Outlet control panels

Versions for 1, 2 or 3 pipeline regulators - completely assembled with shut-off valves on torsion-resistant aluminum profile with fixing holes

Part no.	Connections	G3/8" LH	G3/8" RH	kg	mm	Other designs upon request
460/01/01	1	1x	-	0.30	100x80x220	
460/01/02	1	-	1x	0.30	100x80x220	
460/01/03	2	1x	1x	0.60	200x80x220	
460/01/04	2	2x	-	0.60	200x80x220	
460/01/05	2	-	2x	0.60	200x80x220	
460/01/06	3	3x	-	0.90	300x80x220	
460/01/07	3	-	3x	0.90	300x80x220	



## PERKEO Oxygen safety gauge according to DIN EN 562

Case diameter 63 mm - with aluminum connection gasket - connection G1/4" RH - version "MINI" G1/8" RH and case diameter 48 mm

Part no.	Version	bar-pressure range	mm-case	Connection	kg	mm
170/4	Content	0-315/200	Ø 63	G1/4" RH	0.14	63x30
170/4/01	MINI content	0-315/200	Ø 48	G1/8" RH	0.90	48x30
170/11/01	Content	0-400/300	Ø 63	G1/4" RH	0.14	63x30
170/2	Work	0-16/10	Ø 63	G1/4" RH	0.14	63x30
170/2/01	MINI work	0-6/4	Ø 48	G1/8" RH	0.90	48x30
170/11/02	Work	0-40/20	Ø 63	G1/4" RH	0.14	63x30



## PERKEO Acetylene safety gauge according to DIN EN 562

Case diameter 63 mm - with aluminum connection gasket - connection G1/4" RH

Part no.	Version	bar-pressure range	kg	mm
170/5	Content	0-40/26	0.14	Ø 63x30
170/3	Work	0-2.5/1.5	0.14	Ø 63x30



## PERKEO Argon/CO<sub>2</sub> safety gauge according to DIN EN 562

Case diameter 63 mm - with aluminum connection gasket - connection G1/4" RH

Part no.	Version	bar-pressure range	kg	mm
170/11/03	Content	0-315/200	0.14	Ø 63x30
170/11/04	Work	0-16/10	0.14	Ø 63x30
170/11/05	Work	0-20 NI/min	0.14	Ø 63x30
170/11/06	Work	0-30 NI/min	0.14	Ø 63x30



## PERKEO Safety gauge according to DIN EN 562

Neutral design - case diameter 63 mm - with aluminum connection gasket - connection G1/4" RH

Part no.	Version	bar-pressure range	kg	mm
170/11	Neutral	0-315/200	0.14	Ø 63x30
170/11/07	Neutral	0-100/60	0.14	Ø 63x30
170/11/08	Neutral	0-60/40	0.14	Ø 63x30
170/11/09	Neutral	0-40/20	0.14	Ø 63x30
170/12	Neutral	0-16/10	0.14	Ø 63x30
170/11/10	Neutral	0-6/4	0.14	Ø 63x30

# OXY-GAS • Gauges, accessories for regulators



## PERKEO Propane safety gauge according to DIN EN 562

Working gauges in different versions - with aluminum connection gasket

Part no.	Version	bar-working pressure	mm-case	Connection	kg	mm
170/11/13	Propane	0-2.5/1.5	Ø 63	G1/4" RH - below	0.14	Ø 63x30
170/11/14	Propane	0-4/2.5	Ø 63	G1/4" RH - below	0.14	Ø 63x30
170/10	Propane	0-6/4	Ø 63	G1/4" RH - below	0.14	Ø 63x30
170/6	Propane	0-6	Ø 40	M10x1 RH - rear	0.06	Ø 40x40
170/7	Propane	0-10	Ø 40	M10x1 RH - rear	0.06	Ø 40x40



## PERKEO Gaskets for connections

For regulators and pressure gauges

Part no.	Connection	Version	Material	kg	mm
360/120/5	Regulators	Oxygen, nitrogen, Argon/CO <sub>2</sub>	Fiber	0.01	18x11,5x2
360/56	Regulators	Oxygen, nitrogen, Argon/CO <sub>2</sub>	Fiber	0.01	18x11,5x3
360/120/4	Regulators + Connection loop	Oxygen, nitrogen, Argon/CO <sub>2</sub> , Propane Oxygen, nitrogen, Argon/CO <sub>2</sub>	Teflon Teflon	0.01 0.01	20x11,5x2 20x11,5x2
360/118	Regulators	Acetylene	Rubber	0.01	15,8x9x2
360/102	Regulators	Propane combi-connection	Polyamide	0.01	19x7x2
360/120/6	Pressure gauge	all	Aluminum	0.01	8x6x2



## PERKEO Pressure gauge rubber protection covers according to DIN 8549

For case diameter 63 mm - with explosion opening - slit design for easy fitting

Part no.	Color	kg	mm
380/01/01	blue	0.05	Ø 73x38
380/01/02	yellow	0.05	Ø 73x38
380/01/03	red	0.05	Ø 73x38
380/01	gray	0,05	Ø 73x38



## PERKEO Safety hoop guards for regulators

Impact protection for pressure gauges - solid steel design - versions with different colors

Part no.	Version	Color	kg	mm
380/3	Oxygen	blue	0.78	189x125x62
380/2	Acetylene	yellow	0.78	189x125x62
380/4	Neutral	black	0.78	189x125x62



## PERKEO Propane hose-failure safety device

Automatic interruption of gas supply if hose is damaged or loose, as soon as normal quantity is exceeded - DVGW-tested

Part no.	bar-working pressure	g/h max.	Inlet	Outlet	kg	mm
490/2	1.5-4	6000	G3/8" LH	G3/8" LH	0.10	63x38x18



## PERKEO Flashback arrestors according to DIN-EN 730/ISO 5175

Connection to regulators of individual cylinders or pipelines - flashback arrestor with flame trap, temperature-controlled after-flow barrier, non-return valve to prevent reverse flow of gases and filter - BAM-tested

Part no.	Type of gas	bar working pressure max.	Nm <sup>3</sup> /h max.	Inlet	Outlet	kg	mm
978	Oxygen	10	45	G1/4" RH	G1/4" RH	0.13	Ø 21x90
979	Burnable gas	1.5/3.5	8/12	G3/8" LH	G3/8" LH	0.13	Ø 21x90



## PERKEO Flashback arrestors according to DIN-EN 730/TRAC 207

Connection to regulators of individual cylinders or pipelines - with major throughput rate and additional safety elements - flashback arrestor with flame trap, temperature- and pressure-controlled after-flow barrier, non-return valve to prevent reverse flow of gases and filter - BAM-tested

Part no.	Type of gas	bar working pressure max.	Nm <sup>3</sup> /h max.	Inlet	Outlet	kg	mm
974/01	Oxygen	10	64	G1/4" RH	G1/4" RH	0.60	65x125x50
974/02	Burnable gas	1.5/5	10/27	G3/8" LH	G3/8" LH	0.60	65x125x50



## PERKEO Flashback arrestors according to DIN-EN 730/ISO 5175

Connection to torch handle with individual cylinder - safety device for individual cylinders with flame trap, non-return valve to prevent reverse flow of gases and filter - BAM-tested

Part no.	Type of gas	bar working pressure max.	Nm <sup>3</sup> /h max.	Inlet	Outlet	kg	mm
977	Oxygen	10	45	G1/4" RH	G1/4" RH	0.08	Ø 21x90
977/T6	Oxygen	10	45	Nipple Ø 6	G1/4" RH	0.09	Ø 22x75
976	Burnable gas	1.5/3.5	8/12	G3/8" LH	G3/8" LH	0.09	Ø 21x90
976/T6	Burnable gas	1.5/3.5	8/12	Nipple Ø 6	G3/8" LH	0.09	Ø 22x75
976/T9	Burnable gas	1.5/3.5	8/12	Nipple Ø 9	G3/8" LH	0.09	Ø 22x75



## PERKEO Flashback arrestors according to DIN-EN 730/ISO 5175

Connection between gas hoses of individual cylinders - safety device for individual cylinders with flame trap, non-return valve to prevent reverse flow of gases and filter - BAM-tested

Part no.	Type of gas	bar working pressure max.	Nm <sup>2</sup> /h max.	Inlet	Outlet	kg	mm
<b>975/1/S/T4</b>	Oxygen	10	45	Nipple Ø 4	Nipple Ø 4	0.09	Ø 22x79
<b>975/1/S</b>	Oxygen	10	45	Nipple Ø 6	Nipple Ø 6	0.09	Ø 22x79
<b>975/1/T4</b>	Burnable gas	1.5/3.5	8/12	Nipple Ø 4	Nipple Ø 4	0.09	Ø 22x79
<b>975/1</b>	Burnable gas	1.5/3.5	8/12	Nipple Ø 6	Nipple Ø 6	0.09	Ø 22x79
<b>975/1/T9</b>	Burnable gas	1.5/3.5	8/12	Nipple Ø 9	Nipple Ø 9	0.09	Ø 22x79



## PERKEO Natural gas flash-back arrestor according to DIN-EN 746

Only for use with low-pressure torches (injector torches) - in-line fitting - very fine membranes prevent pressure loss - safety device with non-return valve to prevent reverse flow of gases and filter - other threads upon request - DVGW+BAM-tested

Part no.	Type of gas	bar working pressure max.	Nm <sup>2</sup> /h max.	Inlet	Outlet	kg	mm
<b>974/03/01</b>	Natural gas	0.1	50	G1/2" RH - FT	G1/2" RH - FT	1.20	Ø 52x65



## PERKEO Natural gas flashback arrestor according to DIN-EN 730

For use with natural gas-compressed air torches - in-line fitting - very fine membranes prevent pressure loss - safety device with non-return valve to prevent reverse flow of gases and filter - other threads upon request - DVGW+BAM-tested

Part no.	Type of gas	bar working pressure max.	Nm <sup>2</sup> /h max.	Inlet	Outlet	kg	mm
<b>974/03/02</b>	Natural gas	0.1	50	G3/4" RH - MT	G3/4" RH - FT	1.50	Ø 62x135





## PERKEO Angle needle regulation valves

For universal use - valve stem made of high-quality stainless steel - gasket of valve made of indestructible teflon - precise regulation by means of spring mechanism

Part no.	Female thread	Male thread	kg	mm
156/1/1	G1/4" RH	G3/8" RH	0.14	37x58x22
156/1/2	G1/4" RH	G3/8" LH	0.14	37x58x22



## PERKEO Needle regulation valves

For universal use - fitting for almost all torch attachments - valve stem made of high-quality stainless steel - gasket of valve made of indestructible teflon - precise regulation by means of spring mechanism - male thread on both sides

Part no.	Screw thread	kg	mm
272/N/1	G3/8" LH x G3/8" LH	0.15	52x45x28
272/N/2	G3/8" RH x G3/8" RH	0.15	52x45x28
272/N/3	G3/8" LH x G3/8" RH	0.15	52x45x28



## PERKEO Double-connection manifolds

For universal use - can be shut off separately by means of two needle regulation valves - valve stems made of high-quality stainless steel - gaskets of valves made of indestructible teflon - precise regulation by means of spring mechanisms

Part no.	Inlet	Outlets	kg	mm
274/01/T	G1/4" RH	2 x G1/4" RH	0.23	96x60x28
274/T	G3/8" RH	2 x G3/8" RH	0.23	96x60x28
274/02/T	G1/4" LH	2 x G1/4" LH	0.23	96x60x28
274/1/T	G3/8" LH	2 x G3/8" LH	0.23	96x60x31



## PERKEO Triple-connection manifolds

For universal use - can be shut off separately by means of three needle regulation valves - valve stems made of high-quality stainless steel - gaskets of valves made of indestructible teflon - precise regulation by means of spring mechanisms

Part no.	Inlet	Outlets	kg	mm
274/031/T	G1/4" RH	3 x G1/4" RH	0.43	135x75x47
274/3/T	G3/8" RH	3 x G3/8" RH	0.43	135x75x47
274/31/T	G1/4" LH	3 x G1/4" LH	0.43	135x75x47
274/30/T	G3/8" LH	3 x G3/8" LH	0.43	135x75x47



## PERKEO Quadruple-connection manifolds

For universal use - can be shut off separately by means of four needle regulation valves - valve stems made of high-quality stainless steel - gaskets of valves made of indestructible teflon - precise regulation by means of spring mechanisms

Part no.	Inlet	Outlets	kg	mm
<b>274/041/T</b>	G1/4" RH	4 x G1/4" RH	0.53	187x75x48
<b>274/4/T</b>	G3/8" RH	4 x G3/8" RH	0.53	187x75x48
<b>274/40/T</b>	G3/8" LH	4 x G3/8" LH	0.53	187x75x48



## PERKEO Manifolds

For universal use - made of solid brass

Part no.	Inlet	Outlets	kg	mm
<b>275/2/T</b>	G3/8" RH	2 x G3/8" RH	0.20	155x56x22
<b>275/3/T</b>	G3/8" RH	3 x G3/8" RH	0.30	275x53x22



## PERKEO Gas economizer

Automatic interruption of gas supply by placing the torch on the hook - no readjustment of settings necessary when unhooking the torch - adjustable pilot flame - available for acetylene-oxygen, propane/natural gas-oxygen or propane/natural gas-compressed air - with angle bracket - with detachable 6 mm hose connection nipples on both sides - screw threads: fuel gas G3/8" LH - compressed air G1/4" RH

Part no.	Type of gas	Inlets	Outlets	kg	mm
<b>563</b>	Acetylene-oxygen	2 x Nipple Ø 6	2 x Nipple Ø 6	0.20	370x65x160
	Propane or natural gas-oxygen	2 x Nipple Ø 6	2 x Nipple Ø 6	0.20	370x65x160
<b>563/1</b>	Propane or natural gas-compr. air	2 x Nipple Ø 6	2 x Nipple Ø 6	0.20	370x65x160

# OXY-GAS • Cylinders



## PERKEO Oxygen steel cylinders



Filled - TÜV-tested - with valve and cap - with stamping upon request

Part no.	l- content	Nm <sup>3</sup> - content	bar-design pressure	bar-filling pressure	Outlet	kg	mm
444/1L	1	0.2	300	200	G3/4" RH	2.00	Ø 95x350
444/2L	2	0.4	300	200	G3/4" RH	6.00	Ø 110x430
444	5	1.0	300	200	G3/4" RH	9.00	Ø 140x530
442/L	10	2.0	300	200	G3/4" RH	17.00	Ø 140x900
442/LK	13.5	2.7	300	200	G3/4" RH	20.00	Ø 204x600
447	20	4.0	300	200	G3/4" RH	36.00	Ø 204x890
440/0	50	10.0	300	200	G3/4" RH	82.00	Ø 229x1630



## PERKEO One way oxygen steel cylinder



Filled - TÜV-tested - not refillable



Part no.	l- content	Nm <sup>3</sup> - content	bar-design pressure	bar-filling pressure	Outlet	kg	mm
444/09L	0.9	0.18	165	110	M10x1 RH	1.30	70x300



## PERKEO Acetylene steel cylinders



Filled - TÜV-tested - with valve and cap - with stamping upon request

Part no.	l- content	Nm <sup>3</sup> - content	bar-design pressure	bar-filling pressure	Outlet	kg	mm
445	5	0.7	60	18	Stirrup	13.00	Ø 140x530
443/L	10	1.5	60	18	Stirrup	23.00	Ø 140x920
439	20	3.6	60	18	Stirrup	42.00	Ø 204x890
441/0	50	9.1	60	18	Stirrup	93.00	Ø 229x1630



## PERKEO Nitrogen steel cylinders



Filled - TÜV-tested - with valve and cap - with stamping upon request

Part no.	l- content	Nm <sup>3</sup> - content	bar-design pressure	bar-filling pressure	Outlet	kg	mm
444/ST	5	1.1	300	200	W24.32x1/14" RH	9.00	Ø 140x530
442/L/ST	10	2.1	300	200	W24.32x1/14" RH	17.00	Ø 140x920
447/ST	20	4.2	300	200	W24.32x1/14" RH	36.00	Ø 204x890
440/0/ST	50	10.5	300	200	W24.32x1/14" RH	82.00	Ø 229x1630



## PERKEO Propane cylinders



Versions with capacities of 5 kg or 11 kg - filled - TÜV-tested - with valve, base and carrying handle

Part no.	kg-content	bar-design pressure	Outlet	kg	mm
<b>795/03</b>	5	30	W21.8x1/14" LH	11.70	Ø 230x511
<b>795/04</b>	11	30	W21.8x1/14" LH	24.00	Ø 300x605



## PERKEO On-site propane cylinders



Versions for 0.425 kg - ready to be filled with valve - made of seam-less precision light steel tube - wide and stable base - suspension swivel hook prevents twisting - can be filled by the user - TÜV-tested

Part no.	Version	kg-content	bar-design pressure	Outlet	kg	mm
<b>795/01/1/T</b>	with base	0.425	225	G3/8" LH	2.10	Ø 140x346
<b>795/0F/1/T</b>	without base	0.425	225	G3/8" LH	1.90	Ø 95x346
<b>795/01/FÜL</b>	filling	0.425	-	-	0.425	-



## PERKEO On-site propane cylinders



Version for 0.425 kg propane filling - ready to be filled with valve - Small welded version with safety pressure-relief valve - wide stable base - with hook - can be filled by the user - TÜV-tested



Part no.	Version	kg-content	bar-design pressure	Outlet	kg	mm
<b>795/01/2/T</b>	with base	0.425	30	G3/8" LH	1.50	Ø 125x255
<b>795/01/FÜL</b>	filling	0.425	-	-	0.425	-



## PERKEO Steel cylinder valves according to DIN 477

Solid brass design

Part no.	Version	Outlet	kg	mm
<b>617</b>	Oxygen	G3/4" RH	0.50	105x68x63
<b>617/1</b>	1 l+2 l oxygen	G3/4" RH	0.40	95x65x60
<b>618</b>	Acetylene	Stirrup	0.50	107x60x40
<b>617/01/01</b>	Nitrogen	W24.32x1/14" RH	0.50	105x68x63
<b>617/01/02</b>	Compressed air	G5/8" RH - FT	0.50	105x68x63
<b>617/01/03</b>	Argon/CO <sub>2</sub>	W21.8x1/14" RH	0.50	105x68x63
<b>617/01/04</b>	Hydrogen	W21.8x1/14" LH	0.50	105x68x63



## PERKEO Propane steel cylinder valves



Solid brass design - All valves for 0,425 kg design with tin foil sealing bush

Part no.	Version	Description	Outlet	kg	mm
795/07	0.425 kg cylinder with 225 bar design pressure	without hook	G3/8" LH	0.30	168x30x34
795/07/1/T	0.425 kg cylinder with 225 bar design pressure	with 3-part suspension hook, bow with swivel to be turned 360°	G3/8" LH	0.32	168x50x34
795/07/2/T	0.425 kg cylinder with 30 bar design pressure	with safety pressure-relief valve and hook	G3/8" LH	0.28	140x30x30
795/08	5-11 kg-cylinder	-	W21.8x1/14" LH	0.27	64x43x91
795/10	33 kg-cylinder	-	W21.8x1/14" LH	0.27	64x43x91



## PERKEO Hexagon cap nut for 0.425 kg on-site cylinder valve

Hexagon cap nut with rubber seal for safe transportation of filled 0.425 kg propane steel cylinders according to GGVS (German regulations for the transportation of dangerous goods on roads)

Part no.	Thread	kg	mm
300/60	G3/8" LH	0.01	SW17x16



## PERKEO Valve protection for steel cylinders



Hoop guard for safe transportation of filled 0.425 kg propane steel cylinders and 1 l + 2 l oxygen steel cylinders according to GGVS (German regulations for the transportation of dangerous goods on roads) - to be fixed at the bottle neck

Part no.	Version	kg	mm
617/01/05	0,425 kg propane cylinders with 225 bar design pressure and 1 l + 2 l oxygen cylinders	0.41	98x94x94
617/01/07	0,425 kg propane cylinders with 30 bar design pressure and safety pressure-relief valve	0.18	125x105x85



## PERKEO Valve protection for steel cylinders

Protection device for safe transportation of filled steel cylinders according to GGVS (German regulations for the transportation of dangerous goods on roads) - suitable for all steel cylinders with neck ring, to be screwed onto the neck ring instead of the safety cap

Part no.	kg	mm
617/01/06	0.23	Ø 140x130



## PERKEO SOLDERING BACKPACK frame according to DIN EN 962 - TÜV-tested



Version for a 0.425 kg propane cylinder and a 2 l oxygen cylinder - tubular frame with shoulder straps - designed according to the German regulations for transportation of dangerous goods on roads, according to which shut-off valves have to be protected during transportation

Part no.	kg	mm
799/16/01/3/G	4.50	279x177x495



## PERKEO ECONOMY on-site equipment frame according to DIN EN 962 - TÜV-tested



Version for a 0.425 kg propane cylinder and a 2 l oxygen cylinder - designed according to the German regulations for transportation of dangerous goods on roads, according to which shut-off valves have to be protected during transportation

Part no.	kg	mm
799/16/01/4/G	5.00	340x125x540



## PERKEO On-site equipment frames MINI ECO and MAXI ECO



Versions for 340 g cartridge and 1 l or 2 l oxygen cylinder

Part no.	Version	Oxygen cylinder	kg	mm
799/16/01/5/G	MINI ECO	1 l	1.30	210x105x430
799/16/01/6/G	MAXI ECO	2 l	1.30	210x105x430



## PERKEO On-site equipment frames

Versions for a 0.425 kg propane cylinder and a 2 l oxygen cylinder - especially steady due to a broad base

Part no.	Version	kg	mm
799/16/01/2/G	with box	7.60	340x240x550
799/16/01/1/G	without box	6.40	340x200x550

# OXY-GAS • Cylinder frames, cylinder trolleys



## PERKEO On-site equipment frames

Versions for a 0.425 kg propane cylinder and a 5 l oxygen cylinder - especially steady due to a broad base

Part no.	Version	kg	mm
<b>799/16/G</b>	with box	6.60	370x320x640
<b>799/16/01/G</b>	without box	5.10	370x245x640



## PERKEO On-site equipment frames

Versions for a 5 kg propane cylinder and either a 5 l or a 13.5 l oxygen cylinder - portable and wheeled version with retractable pulling handle, detachable axle and solid tires - all frames with lockable sheet-steel box



Part no.	Version	kg	mm
<b>799/17/G</b>	portable+wheeled for 5 kg propane cyl. +5 l oxygen cylinder	13.50	540x420x650
<b>799/17/0FG/G</b>	portable for 5 kg propane cylinder +5 l oxygen cylinder	9.50	500x400x640
<b>799/17/P10/G</b>	portable+wheeled for 5 kg propane cyl. +13.5 l oxygen cyl.	13.50	540x420x650
<b>799/17/P10/0FG/G</b>	portable for 5 kg propane cylinder +13.5 l oxygen cyl.	9.50	500x400x640



## PERKEO Frame for torch cutting equipment for emergencies

Version with box for accessories for a 5 l acetylene cylinder and a 5 l oxygen cylinder - tubular frame with shoulder straps according to DIN 14 800

Part no.	kg	mm
<b>127/G</b>	9.50	420x370x670



## PERKEO On-site equipment frames

Versions for a 5 l acetylene cylinder and a 5 l oxygen cylinder - portable and wheeled versions with retractable pulling handle, detachable axle and solid tires - all frames with lockable sheet-steel box



Part no.	Version	kg	mm
<b>799/17A/G</b>	portable + wheeled	10.80	410x550x650
<b>799/17A/0FG/G</b>	portable	6.60	370x320x640

# OXY-GAS • Cylinder frames, cylinder trolleys



## PERKEO Frame conversion set "wheeled"

For wheel-mounting of portable equipment - consisting of an axle with solid tires - retractable pulling and carrying handle, locking bolt and screw connections

Part no.	kg	mm
<b>451/01/KPL</b>	5.40	650x290x150



## PERKEO On-site equipment frame

Portable and wheeled - version with detachable axle for a 10 l acetylene cylinder and a 10 l oxygen cylinder - with lockable sheet-steel box and solid tires

Part no.	kg	mm
<b>799/17A/10L/G</b>	13.80	380x540x1010



## PERKEO On-site equipment frame

Wheeled - light-weight steel design with safety chain for a 20 l acetylene cylinder and a 20 l oxygen cylinder - with lockable sheet-steel box and solid tires

Part no.	kg	mm
<b>799/17A/20L/G</b>	24.50	650x500x1010



## PERKEO On-site equipment frame

Wheeled - light-weight steel design with safety chain for a 40/50 l acetylene cylinder and a 40/50 l oxygen cylinder - with lockable sheet-steel box and solid tires

Part no.	kg	mm
<b>799/17A/50L/G</b>	28.00	650x500x1630





## PERKEO Steel cylinder trolley

Wheeled - light-weight steel design with safety chain for two 10 l steel cylinders - plastic wheels

Part no.	kg	mm
455/01/06	6.00	450x300x920



## PERKEO Steel cylinder stand

Version for two 40/50 l steel cylinders with a diameter of 210 - 250 mm each - stable steel design with safety chains and bores for wall-mounting or for mounting additional steel cylinder stands

Part no.	kg	mm
463/01/10	14.00	570x240x1000



## PERKEO Steel cylinder wall fixing units

Versions for 1, 2 or 3 x 40/50 l steel cylinders with diameters of 210 - 250 mm each - U-shaped elements with safety chains and bores for wall-mounting - galvanized

Part no.	Version	kg	mm	
463/03/01	1 cylinder	1.40	300x50x150	Other designs upon request
463/03/02	2 cylinders	2.80	600x50x150	
463/03/03	3 cylinders	4.20	900x50x150	



## PERKEO Steel cylinder trolley

Versions for a 10 l, a 20 l or a 40/50 l steel cylinder - tubular steel design with safety chain - solid tires

Part no.	Version	kg	mm
455/01/01	10 l cylinder	12.00	480x550x1050
455/01/02	20 l cylinder	12.00	480x550x1050
455/01/03	40/50 l cylinder	12.00	480x550x1050

# OXY-GAS • Cylinder frames, cylinder trolleys



## PERKEO Propane steel cylinder trolleys

Version for 1 x 11 kg propane steel cylinder - wheel-mounted - solid tires

Part no.	kg	mm
455/01/04	6.00	920x450x300



## PERKEO Propane steel cylinder rolling cart

Version for 1 x 11 kg propane steel cylinder - chassis with three wheels, guide wheel and wheel-locking brake - with torch and hose holding device - solid tires

Part no.	kg	mm
455/01/05	11.00	860x450x600



## PERKEO Transport safeguard for propane cylinders



Robust transport safeguard for full 5 kg and 11 kg propane cylinders on open cargo bays - safe transportation as per ADR/GGVS/BG - stable iron framework with 3-fold safeguard: 1 x half moon ring welded onto the base section, 1 x tension belt with slide bar lock and 1x chain guard for carrier handle - for firm positioning on the cargo bay

Part no.	kg	mm
455/02/02	5.98	370x520x100



## PERKEO Steel-sheet transportation box

Lockable - space for a 5 l steel cylinder - complies with the German regulations for the transportation of dangerous goods (e.g. filled steel cylinders) on roads (GGVS)

Part no.	kg	mm
466	4.40	620x160x160



## PERKEO Propane decanting adaptor

For filling 0.425 kg on-site cylinders from 5-11 kg or 33 kg cylinders - built-in sintered metal filters protect soldering systems against jelling

Part no.	Version for cylinders	Inlet	Outlet	kg	mm
797/04	5-11 kg	W21.8x1/14" LH	G3/8" LH	0.17	83x32x32
797/03	33 kg	W21.8x1/14" LH	G3/8" LH	0.20	78x30x30



## PERKEO Propane decanting adaptor

Long version - for filling 0.425 kg on-site cylinders from 5-11 kg cylinders - built-in sintered metal filters protect soldering systems against jelling

Part no.	Version for cylinders	Inlet	Outlet	kg	mm
797/05	5-11 kg	W21.8x1/14" LH	G3/8" LH	0.25	158x32x32



## PERKEO Propane refilling station

### Refill safely using the pivot principle

With this mobile system, refilling with propane gas from 5 and 11 kg cylinders is no longer an arduous juggling act. The large cylinder is simply placed in the stand and turned on its head using the pivot principle. Now the refilling process can commence safely, and with the turn of a hand the small cylinder is full once more!

The mobile system is equipped with wheels, so that the refill station can be moved outdoors for the filling process - as per TRG 402 "Operating filling systems; volumetric filling of craftsman's cylinders with liquefied gas".

Scope of supply:  
Without gas cylinders and decanting adaptor

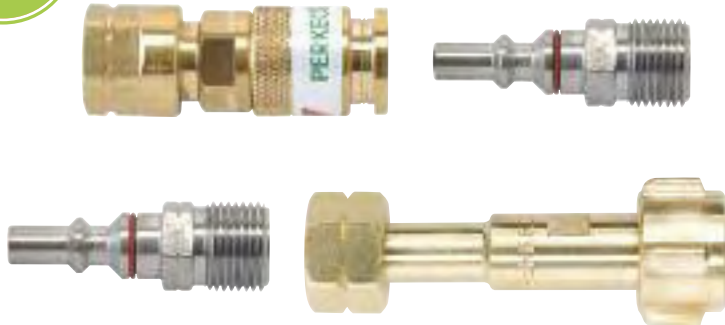


Part no.	kg	mm
455/02/01	13.00	200x550x900



**PERKEO QUICKY propane refill set for filling all small propane cylinders from 5-11 kg cylinders WITHOUT tools!**

Time saved due to coupling instead of screwing - instead of unscrewing, screwing, unscrewing and screwing again simply uncouple by hand and couple together like a garden hose - automatic gas stop function upon uncoupling means that no gas can escape from the small cylinder with an open valve



**Complete starter set for a soft-soldering system comprising:**

- 1 x **492/5** .....QUICKY quick-release coupling for attaching to the soldering system
- 1 x **492/5/St** .....QUICKY stainless steel set screw for attachment to propane decanting adaptor
- 1 x **797/04** .....Propane decanting adaptor for attaching to the supplying cylinder (with integrated sintered metal filters for protecting the soldering equipment against the accumulation of deposits)



Part no.	Inlet QUICKY	Outlet QUICKY	Inlet decanting adaptor	Outlet decanting adaptor	Inlet QUICKY-screw	Outlet QUICKY-screw	kg	mm
492/5/01	G3/8" LH - FT	G3/8" LH - MT	W21.8x1/14" LH	G3/8" LH - MT	G3/8" LH - MT	Coupling	0.39	105x100x25



**PERKEO QUICKY quick-release coupling - INDIVIDUAL -**



Individual QUICKY quick-release coupling for integrating additional soft soldering systems into the QUICKY refill system - time saved due to coupling instead of screwing - instead of unscrewing, screwing, unscrewing and screwing again simply uncouple by hand and couple together like a garden hose - simple to attach to a soft soldering system - robust design: coupling element from solid brass and coupling screw from robust stainless steel - automatic gas stop function when uncoupling from brass element

Part no.	Inlet	Outlet	kg	mm
492/5/02	G3/8" LH - FT	G3/8" LH - MT	0.16	21x90



**PERKEO QUICKY quick-release coupling screw - INDIVIDUAL -**



Individual QUICKY quick-release coupling screw for integrating additional supply cylinder(s) into the QUICKY refill system - time saved due to coupling instead of screwing - instead of unscrewing, screwing, unscrewing and screwing again simply uncouple by hand and couple together like a garden hose - simple to attach to a soft soldering system - robust design from tough stainless steel

Part no.	Inlet	Outlet	kg	mm
492/5/ST	G3/8" LH - MT	coupling	0,06	21x35



## PERKEO Decanting and cylinder connection loops according to DIN 477

Bent copper tubes for connection to double cylinder systems - also for refilling up to 5 l cylinders from larger cylinders - length 800 mm

Part no.	Version	Connections	kg	mm	
607	Oxygen	G3/4" RH	0.56	150x310x32	Other designs upon request
607/ST	Nitrogen	W24.32x1/14" RH	0.56	150x310x32	
607/01	Compressed air	G5/8" RH - MT	0.56	150x310x32	
607/02	Argon/CO <sub>2</sub>	W21.8x1/14" RH	0.56	150x310x32	
607/03	Hydrogen	W21.8x1/14" LH	0.56	150x310x32	



## PERKEO Cylinder decanting and connection hoses according to DIN 477

Plastic or rubber versions for connection to double cylinder systems - different lengths

Part no.	Version	Connections	Material	mm-length	kg	mm
607/10	Oxygen	G3/4" RH	Plastic	1000	0.35	Ø 170x40
607/11	Nitrogen	W24.32x1/14" RH	Plastic	1000	0.35	Ø 170x40
607/12	Compressed air	G5/8" RH - MT	Plastic	1000	0.35	Ø 170x40
607/13	Argon/CO <sub>2</sub>	W21.8x1/14" RH	Plastic	1000	0.35	Ø 170x40
607/14	Hydrogen	W21.8x1/14" LH	Plastic	1000	0.35	Ø 170x40
607/04	Acetylene	Stirrup	Plastic	800	0.60	Ø 220x35
607/05	Propane	W21.8x1/14" LH	Rubber	400	0.40	Ø 200x45



## PERKEO Double-connection manifold according to DIN 477

Versions for connection to double cylinder systems

Part no.	Version	Connections	kg	mm	
603/10	Oxygen	G3/4" RH	0.45	85x40x100	
603/11	Nitrogen	W24.32x1/14" RH	0.45	85x40x100	
603/12	Compressed air	G5/8" RH	0.45	85x40x100	
603/13	Argon/CO <sub>2</sub>	W21.8x1/14" RH	0.45	85x40x100	
603/14	Hydrogen	W21.8x1/14" LH	0.45	85x40x100	
603/15	Propane	W21.8x1/14" LH	0.45	85x40x100	



## PERKEO Angular propane adaptor

Adaptor for the connection of a 5-11 kg propane cylinder regulator to a 0.425 kg on-site cylinder - solid brass version

Part no.	Inlet	Outlet	kg	mm	
168	G3/8" LH	W21.8x1/14" LH	0.17	44x38x24	



## PERKEO Safety goggles



Flexible flip-front safety goggles - suitable for spectacle wearers - inner lenses clear and shatter-proof - flip-up lenses protection class DIN 5 green - replacement lenses come in pairs

Part no.	Item	Protection class	kg	mm
<b>409/1</b>	Safety goggles	DIN 5	0.12	175x85x65
<b>414/2</b>	Replacement lenses - clear	-	0.03	Ø 49x6
<b>414/HELL</b>	Replacement lenses - light	DIN 4	0.03	Ø 49x6
<b>414/MITTEL</b>	Replacement lenses - medium	DIN 5	0.03	Ø 49x6
<b>414/DUNKEL</b>	Replacement lenses - dark	DIN 8	0.03	Ø 49x6



## PERKEO Aluminum safety goggles



Universal safety goggles with padded frames - protection class DIN 5 green - replacement lenses come in pairs

Part no.	Item	Protection class	kg	mm
<b>411</b>	Safety goggles	DIN 5	0.06	160x62x60
<b>414/2</b>	Replacement lenses - clear	-	0.03	Ø 49x6
<b>414/HELL</b>	Replacement lenses - light	DIN 4	0.03	Ø 49x6
<b>414/MITTEL</b>	Replacement lenses - medium	DIN 5	0.03	Ø 49x6
<b>414/DUNKEL</b>	Replacement lenses - dark	DIN 8	0.03	Ø 49x6



## PERKEO Aluminum safety goggles



Universal safety goggles with padded frames - lenses can be easily replaced by means of threaded rings - protection class DIN 5 green - replacement lenses come in pairs

Part no.	Item	Protection class	kg	mm
<b>411/A</b>	Safety goggles	DIN 5	0.06	160x62x60
<b>414/2</b>	Replacement lenses - clear	-	0.03	Ø 49x6
<b>414/HELL</b>	Replacement lenses - light	DIN 4	0.03	Ø 49x6
<b>414/MITTEL</b>	Replacement lenses - medium	DIN 5	0.03	Ø 49x6
<b>414/DUNKEL</b>	Replacement lenses - dark	DIN 8	0.03	Ø 49x6



## PERKEO Nylon safety goggles



Universal safety goggles with lateral protection - protection class DIN 5 green - replacement lenses come in pairs

Part no.	Item	Protection class	kg	mm
<b>411/B</b>	Safety goggles	DIN 5	0.06	147x40x59
<b>414/B/K</b>	Replacement lenses - clear	-	0.02	61x52x5
<b>414/B/KP</b>	Replacement lenses - clear, plastic	-	0.02	61x52x5
<b>414/B/HELL</b>	Replacement lenses - light	DIN 4	0.02	61x52x5
<b>414/B/MITTEL</b>	Replacement lenses - medium	DIN 5	0.02	61x52x5
<b>414/B/DUNKEL</b>	Replacement lenses - dark	DIN 8	0.02	61x52x5



## PERKEO Hand welding mirror

Welding mirror plate with ball bearing - metal mirror plate 70 x 80 x 1 mm

Part no.	Item	kg	mm
<b>562</b>	Hand welding mirror	0.27	490x70x29
<b>562/001</b>	Replacement welding mirror plate	0.05	70x80x1



## PERKEO Magnetic welding mirror

Flexible arm - strong magnet for optimum adherence - metal mirror plate 70 x 80 x 1 mm

Part no.	Item	kg	mm
<b>562/002</b>	Magnetic welding mirror	0.45	500x70x21
<b>562/001</b>	Replacement welding mirror plate	0.05	70x80x1



## PERKEO mini telescopic mirror



Round pocket mirror in pen format with a diameter of 32 mm - extendable to a length of 465 mm, the mirror is adjustable in all directions by means of a double ball-and-socket joint

Part no.	kg	mm
<b>467/11/1005</b>	0.03	215x35x10



## PERKEO Tip-cleaning needles

Set with 11 needles and 1 file in sheet-steel case - suitable for cleaning tips of the sizes 0 - 9

Part no.	kg	mm
<b>428</b>	0.03	75x31x15



## PERKEO Gas lighter - bow-shaped

Bow-shaped gas lighter - refill pack: 3 x 20 mm replacement flints in small box

Part no.	Item	kg	mm
423	Gas lighter	0.05	149x31x25
423/3	3 replacement flints	0.02	Ø 10x25



## PERKEO Gas lighter - gun form

Gun-shaped gas lighter - refill pack: 12 x 5 mm replacement flints in small box

Part no.	Item	kg	mm
424	Gas lighter	0.09	160x88x10
424/12	12 replacement flints	0.02	Ø 22x8



## PERKEO Gas lighter - cup-type

Gas lighter with cup - refill pack: 10 x 8 mm replacement flints in small box

Part no.	Item	kg	mm
425	Gas lighter	0.05	155x35x25
425/10	10 replacement flints	0.03	Ø 22x8



## PERKEO Combination wrench

Combination wrench for universal use

Part no.	kg	mm
380/265	0.13	141x40x5





## PERKEO Fork wrench

For universal use - sizes 30/32

<b>Part no.</b>	<b>kg</b>	<b>mm</b>
<b>380/265/1</b>	0.42	270x66x12



## PERKEO Sheet-steel box KLEIN RISTA

Lockable - can be individually equipped with handle and attachments of the KLEIN RISTA series

<b>Part no.</b>	<b>kg</b>	<b>mm</b>
<b>880/359</b>	1.70	320x200x65



## PERKEO Sheet-steel box RISTA

Lockable - can be individually equipped with handle and attachments of the RISTA series

<b>Part no.</b>	<b>kg</b>	<b>mm</b>
<b>900/360</b>	2.80	470x215x90



## PERKEO Steel-sheet tool case

Lockable - can be individually equipped - with sufficient space for all tools and accessories - space for a 40 m hose package

<b>Part no.</b>	<b>kg</b>	<b>mm</b>
<b>129/00</b>	9.10	650x450x185

# OXY-GAS • Torch cutting equipment for emergencies



## PERKEO Torch cutting equipment for emergencies according to DIN 14 800

- 445 5 l acetylene cylinder • 444 5 l oxygen cylinder • 386 Acetylene regulator • 381 Oxygen regulator
- 415/01/99 5 m hose package with flash back arrestors • 900 Handle RISTA • 920/06 Cutting attachment 0-100 mm
- 512/51/2 Replacement heating tip 50-100 mm • 512/50/3 Replacement cutting tip 50-100 mm
- 2 x 411/B 2 Nylon-Safety goggles • 380/265/1 Fork wrench sizes 30/32 • 380/265 Combination wrench
- 423 Bow-shaped gas lighter • 428 Tip-cleaning needles • 205/23 2 shoulder straps with snap hook • 127/G Frame

Part no.	kg	mm
127	37.00	420x370x670



## PERKEO Torch cutting equipment for emergencies

- 445 5 l acetylene cylinder • 444 5 l oxygen cylinder • 386/K Acetylene regulator
- 381/K Oxygen regulator • 415/01/04 5 m hose package with flash back arrestors
- 900 Handle RISTA • 920/06 Cutting attachment 0-100 mm • 512/51/2 Replacement heating tip 50-100 mm
- 512/50/3 Replacement cutting tip 50-100 mm
- 2 x 411/B 2 Nylon-Safety goggles • 380/265/1 Fork wrench sizes 30/32
- 380/265 Combination wrench • 423 Bow-shaped gas lighter • 428 Tip-cleaning needles
- 799/17A/G Frame



Part no.	kg	mm
799/17A/1	43.00	410x550x650



## PERKEO Torch cutting equipment for emergencies

- 443/L 10 l acetylene cylinder • 442/L 10 l oxygen cylinder • 386/K Acetylene regulator • 381/K Oxygen regulator
- 415/01/05 10 m hose package with flash back arrestors • 900 Handle RISTA • 920/06 Cutting attachment 0-100 mm
- 512/51/2 Replacement heating tip 50-100 mm • 512/50/3 Replacement cutting tip 50-100 mm
- 2 x 411/B 2 Nylon-Safety goggles • 380/265/1 Fork wrench sizes 30/32 • 380/265 Combination wrench
- 423 Bow-shaped gas lighter • 428 Tip-cleaning needles • 799/17A/10L/G Frame

Part no.	kg	mm
799/17A/10L/1	67.00	380x540x1010



## PERKEO Torch cutting equipment for emergencies

- 439 20 l acetylene cylinder • 447 20 l oxygen cylinder • 386/K Acetylene regulator • 381/K Oxygen regulator
- 415/01/05 10 m hose package with flash back arrestors • 900 Handle RISTA • 920/06 Cutting attachment 0-100 mm
- 512/51/2 Replacement heating tip 50-100 mm • 512/50/3 Replacement cutting tip 50-100 mm
- 2 x 411/B 2 Nylon-Safety goggles • 380/265/1 Fork wrench sizes 30/32 • 380/265 Combination wrench
- 423 Bow-shaped gas lighter • 428 Tip-cleaning needles • 799/17A/20L/G Frame

Part no.	kg	mm
799/17A/20L/1	121.00	650x500x1010

# OXY-GAS • Torch cutting equipment for emergencies



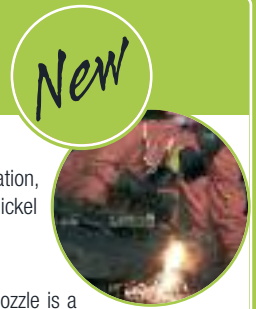
## PERKEO Torch cutting equipment for emergencies

- 441/0 50 l acetylene cylinder • 440/0 50 l oxygen cylinder • 386/K Acetylene regulator • 381/K Oxygen regulator
- 415/01/05 10 m hose package with flash back arrestors • 900 Handle RISTA • 920/06 Cutting attachment 0-100 mm
- 512/51/2 Replacement heating tip 50-100 mm • 512/50/3 Replacement cutting tip 50-100 mm
- 2 x 411/B 2 Nylon-Safety goggles • 380/265/1 Fork wrench sizes 30/32 • 380/265 Combination wrench
- 423 Bow-shaped gas lighter • 428 Tip-cleaning needles • 799/17A/50L/G Frame

Part no.	kg	mm
799/17A/50L/1	180.00	650x500x1630



## PERKEO Cutting torch MEGA 2000



### Designed and manufactured to fully comply with DIN EN ISO 5172

Robust cutting torch designed to withstand the rigours of constant use within the fabrication, construction and demolition market sectors - insensitive to flashbacks - all brass and cupro-nickel construction - DIN EN ISO 5172 - inlet burnable gas G3/8 LH - inlet oxygen G 1/4 RH

### Progressive cutting valve

this is designed to offer a progressive action which provides a smooth and controllable introduction of the cutting oxygen stream to produce an improved cut finish. Lockable spring lever.

### Nozzle mix

the mixture of gases in the nozzle is a major safety feature as this mixing occurs at the furthest point from the hand.

### 500 mm cutting capacity

the MEGA 2000 range is designed to be used with a selection of nozzle mix (NM) nozzles to cut a range of thicknesses from sheet metal up to 500 mm steel!

### Head angle options

available with 90°, 105° and 180° head angles to cover all standard cutting and piercing requirements.

Part no.	Length	Head angle	kg	mm
920/1001	500mm (18")	90°	1.35	500x80x70
920/1002	500mm (18")	105°	1.35	500x80x70
920/1003	500mm (18")	180°	1.35	500x80x70
920/1005	700mm (27")	90°	1.50	700x80x70
920/1004	700mm (27")	105°	1.50	700x80x70
920/1006	700mm (27")	180°	1.50	700x80x70
920/1008	900mm (36")	90°	1.65	900x80x70
920/1007	900mm (36")	105°	1.65	900x80x70
920/1009	900mm (36")	180°	1.65	900x80x70
920/1010	1200mm (48")	90°	1.85	1200x80x70
920/1011	1200mm (48")	105°	1.85	1200x80x70
920/1012	1200mm (48")	180°	1.85	1200x80x70



## PERKEO Cutting nozzles MEGA 2000

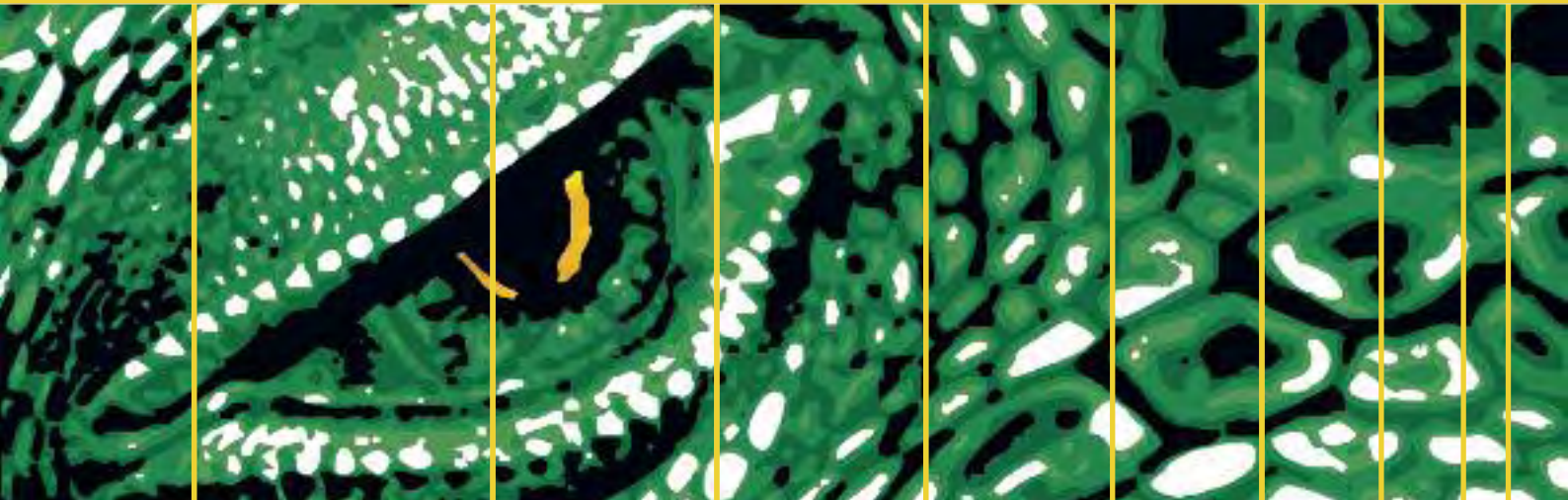


Nozzle with nozzle mix principle, in which the combustible gas mixing is confined to the cutting nozzle.

Part no.	Part no.	mm cutting	kg	mm
• Acetylene-oxygen	• Propane-oxygen			
512/9009	512/9023	3-6	0.11	Ø 22x74
512/9010	512/9024	5-12	0.11	Ø 22x74
512/9011	512/9025	10-75	0.11	Ø 22x74
512/9012	512/9026	70-100	0.11	Ø 22x74
512/9013	512/9027	90-150	0.11	Ø 22x74
512/9015	512/9029	150-300	0.11	Ø 22x74



- Refrigeration and air-conditioning technology
- Industry
- Instrument makers
- Gold smiths and silver smiths
- Handicraft
- Dental technology
- Vocational training schools
- Modelers
- Garages



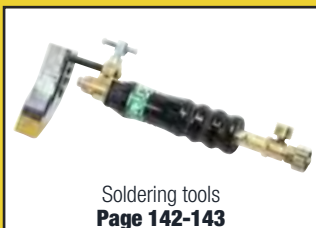
**Soft soldering**

**Brazing**

**Tinning**

**Melting**

**Annealing**



Soldering tools  
**Page 142-143**



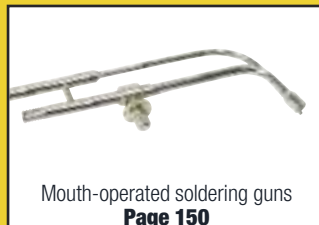
Brazing tools  
**Page 144-148**



Hoses (q.v. OXY-GAS)  
**Page 149**



Bunsen burners  
**Page 150**



Mouth-operated soldering guns  
**Page 150**



Acetylene developer  
**Page 151**

# ACETYLENE • Soldering



## PERKEO Heavy-duty acetylene soldering iron with copper bit

For heavy-duty applications - extremely robust and long-lived - with 350 g electrolytic copper bit in hammer form, cranked hammer form or point form - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - rotating hose connection - ergonomic brush wood handle (common beech) - connections available: G3/8" LH

Part no.	Copper bit	KJ/h	KW	l/h at 0.8 bar	kg	mm
<b>716/3</b>	Hammer form	1977	0.55	35	0.71	282x100x36
<b>717/3</b>	Point form	1977	0.55	35	0.71	370x69x36
<b>718/3/208/3</b>	Cranked hammer form	1977	0.55	35	0.71	295x115x36



## PERKEO Heavy-duty acetylene soldering iron with ZINNLUX-LONGLIFE copper bit

For heavy-duty applications - extremely robust and long-lived - with 350 g electrolytic ZINNLUX copper bit in hammer form, cranked hammer form or point form - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - rotating hose connection - ergonomic brush wood handle (common beech) - connections available: G3/8" LH

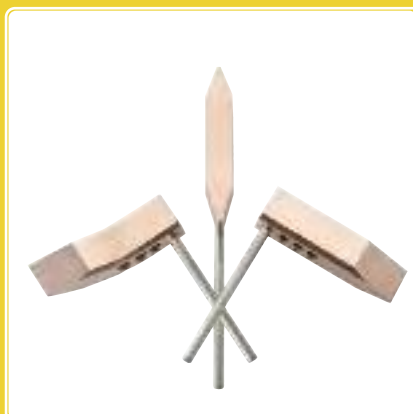
Part no.	ZINNLUX LONGLIFE	KJ/h	KW	l/h at 0.8 bar	kg	mm
<b>716/3/Z</b>	Hammer form	1977	0.55	35	0.71	282x100x36
<b>717/3/Z</b>	Point form	1977	0.55	35	0.71	370x69x36
<b>718/3/208/3/Z</b>	Cranked hammer form	1977	0.55	35	0.71	295x115x36



## PERKEO Heavy-duty acetylene soldering iron

For heavy-duty applications - extremely robust and long-lived - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - rotating hose connection - ergonomic brush wood handle (common beech) - connections available: G3/8" LH

Part no.	KJ/h	KW	l/h at 0.8 bar	kg	mm
<b>718/3</b>	1977	0.55	35	0.34	234x71x36



## PERKEO Copper bits



Cold-hammered copper bits made of high-quality electrolytic copper - available in hammer form, cranked hammer form or point form - 250 g, 350 g and 500 g versions - flat fixing pin prevents the bit from turning - long-lived - hammer form and cranked hammer form with 3 bores spaced at the bottom side for improving heat absorption

	Hammer form		Point form		Cranked hammer form		
Weight	Part no.	mm	Part no.	mm	Part no.	mm	kg
250 g	<b>219</b>	17x82x85	<b>220</b>	25x166x25	<b>219/3</b>	17x113x85	0.27
350 g	<b>208</b>	21x87x89	<b>209</b>	22x180x22	<b>208/3</b>	18x116x86	0.37
500 g	<b>210</b>	21x101x90	<b>211</b>	25x195x25	<b>210/3</b>	22x114x89	0.52



## PERKEO 350 g copper bits ZINNLUX-LONGLIFE



Extremely long-lived due to special coating - working temperature reached in 30 seconds - less gas consumption due to maximum heat storage - no filing or hammering necessary - flat fixing pin prevents the bit from turning - cleaning without soldering stone - hammer form and cranked hammer form with 3 bores spaced at the bottom side for improving heat absorption

	Hammer form		Point form		Cranked hammer form		
Weight	Part no.	mm	Part no.	mm	Part no.	mm	kg
350 g	<b>208/Z</b>	21x87x89	<b>209/Z</b>	22x180x22	<b>208/3/Z</b>	18x116x86	0.37



## PERKEO footstand and suspension hook for all heavy-duty soldering irons

Made of stainless steel - adjustable spring with self-locking nut

Part no.	kg	mm
<b>785</b>	0.04	86x15x81



## PERKEO Windscreen for all heavy-duty soldering irons

Made of robust sheet steel

Part no.	kg	mm
<b>785/10</b>	0.11	74x32x63

# ACETYLENE • Brazing, annealing, tinning, fusion melting



## PERKEO Economizer handles with adjustable pilot flame

For heavy-duty applications - extremely robust and long-lived - 30-40 % savings in gas consumption due to economizer - hot-pressed brass lever - stainless steel and teflon wear parts - precise gas regulation - available either with ergonomic brush wood handle (common beech) or a light-weight, glass fiber reinforced and indestructible Ultramid handle - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	Handle version	kg	mm
• M10x1 LH	• G3/8" LH			
224/7/T	224/7/3/T	Brush wood (common beech)	0.37	80x190x52
224/2/T	224/2/3/T	Ultramid	0.34	80x190x47



## PERKEO Economizer handles with preset pilot flame

For heavy-duty applications - extremely robust and long-lived - 30-40 % savings in gas consumption due to economizer - hot-pressed brass lever - stainless steel and teflon wear parts - precise gas regulation - ergonomic brush wood handle (common beech) - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
224/9/T	224/9/3/T	0.38	80x183x54



## PERKEO Universal handles

For heavy-duty applications - extremely robust and long-lived - stainless steel and teflon wear parts - precise gas regulation - available either with ergonomic brush wood handle (common beech) or a light-weight, glass fiber reinforced and indestructible Ultramid handle - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	Handle version	kg	mm
• M10x1 LH	• G3/8" LH			
224/6/T	224/6/3/T	Brush wood (common beech)	0.24	35x170x48
224/3/T	224/3/3/T	Ultramid	0.19	27x170x43



## PERKEO Acetylene soldering attachments

Soldering attachments for brazing, melting, roofing etc. - especially suitable for fine and very fine soldering applications in dental technology and jewelry - inlet G3/8" RH

Part no.	Size	mm-flame center cone	KJ/h	KW	l/h at 0.8 bar	kg	mm
267	000	Ø 1.6	565	0.16	10	0.07	126x22x22
268	00	Ø 2.2	847	0.24	15	0.07	126x22x22
269	0	Ø 2.5	1130	0.31	20	0.07	126x22x22



# ACETYLENE • Brazing, annealing, tinning, fusion melting



## PERKEO Acetylene soldering attachments

Soldering attachments for brazing, melting, tinning, hardening, roofing etc. - especially suitable for copper pipe soldering in refrigeration and air-conditioning technology, for fine to middle soldering and melting applications in dental technology and jewelry as well as tinning applications in the automotive industry - inlet G3/8" RH

Part no.	Size	mm- flame center cone	KJ/h	KW	l/h at 0.8 bar	kg	mm
225	1	Ø 3	2825	0.79	50	0.07	126x22x22
226	2	Ø 4.5	6214	1.73	110	0.09	126x22x22
227	3	Ø 6.5	18077	5.02	320	0.10	126x22x22



## PERKEO Special acetylene attachment FAVORIT

Special multi-flame attachment for heavy brazing, melting, thawing and tinning applications - tried and tested machine torch for industrial applications - popular and frequently used torch for tinning applications in the automotive industry - 125 mm stainless steel connecting tube included in scope of supply - inlet G3/8" RH

Part no.	KJ/h	KW	l/h at 0.8 bar	kg	mm
231/01	28245	7.85	500	0.23	210x95x22



## PERKEO Special acetylene attachment FAVORIT

Special multi-flame attachment for heavy brazing, melting, thawing and tinning applications - tried and tested machine torch for industrial applications - popular and frequently used torch for tinning applications in the automotive industry - inlet G3/8" RH

Part no.	KJ/h	KW	l/h at 0.8 bar	kg	mm
231/01/01	28245	7.85	500	0.11	113x22x22



## PERKEO Torch connecting tube

Torch tube made of high-quality stainless steel - 125 mm long - 120° bend - inlet G3/8" RH - outlet G3/8" RH

Part no.	kg	mm
601/10	0.10	125x22x22

# ACETYLENE • Brazing, annealing, tinning, fusion melting



## PERKEO Angular adaptor

Made of solid brass - 120° bend - inlet G3/8" RH - outlet G3/8" RH

Part no.	kg	mm
168/01	0.09	40x22x40



## PERKEO Acetylene soldering gun set for all brazing, melting and tinning applications - ideal for refrigeration and air-conditioning technology, dental technology, jewelry and the automotive industry

• 224/3/T od. 224/3/3/T Universal handle • 225, 226, 227 3 soldering attachments sizes 1-3 • 380/265 Combination wrench • 421 3 tip-cleaning needles

Connections available M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
223	223/3	0.60	180x70x40



## PERKEO Acetylene soldering gun set in elegant wooden box für all brazing, melting and tinning applications - ideal for gold smiths and silver smiths, clockmakers, opticians and dental technology

• 390/2/1 Wooden box • 224/3/T or 224/3/3/T Universal handle • 267, 268, 269 3 soldering attachments size 000-0 • 225, 226, 227 3 soldering attachments sizes 1-3 • 380/265 Combination wrench • 421 3 tip-cleaning needles

Connections available M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
265	265/3	0.98	222x157x38



## PERKEO Universal acetylene soldering equipment in sheet-steel box for all brazing, melting and tinning applications

• 359/04 Sheet-steel box • 224/2/T or 224/2/3/T Economizer handle • 267, 268, 269 3 soldering attachments sizes 000-0 • 225, 226, 227 3 soldering attachments sizes 1-3 • 231/01 Special attachment FAVORIT • 380/265 Combination wrench • 421 3 tip-cleaning needles

Connections available M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
265/1	265/1/3	2.00	285x165x35

# ACETYLENE • Brazing, annealing, tinning, fusion melting



## PERKEO On-site acetylene equipment for all brazing, melting and tinning applications - with filled cylinder and accessories

- 445 5 l acetylene cylinder
- 386/K Acetylene regulator
- 401/3 5 m acetylene hose
- 224/2/T or 224/2/3/T Economizer handle
- 226+227 2 brazing attachments sizes 2+3
- 231/01 Special attachment FAVORIT
- 380/265 Combination wrench
- 424 Gas lighter
- 799/16A/G Frame

Connections available M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
<b>799/16A</b>	<b>799/16A/3</b>	19.00	580x320x300



## PERKEO On-site acetylene equipment for all brazing, melting and tinning applications - with filled cylinder and accessories

- 445 5 l acetylene cylinder
- 386/K Acetylene regulator
- 401/3 5 m acetylene hose
- 224/2/T or 224/2/3/T Economizer handle
- 226+227 2 brazing attachments sizes 2+3
- 231/01 Special attachment FAVORIT
- 380/265 Combination wrench
- 424 Gas lighter
- 799/16A/SL/G Frame

Connections available M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
<b>799/16A/SL</b>	<b>799/16A/SL/3</b>	21.00	530x330x430

# ACETYLENE • Brazing, annealing, tinning, fusion melting



## PERKEO Acetylene PIEZO turbo torch "HM"

Automatic ignition by clasping the handle - 30,000 ignitions guaranteed - special wraparound swirl flame - robust - ergonomic - stylish - inlet G3/8" LH

Part no.	mm-brazing	mm-soldering	KJ/h	KW	l/h at 0.8 bar	kg	mm
726/HM	Ø 12	Ø 24	22596	6.28	400	0.63	300x88x42



## PERKEO Acetylene PIEZO turbo torch

Automatic ignition by pressing the button - 30,000 ignitions guaranteed - special wraparound swirl flame - robust - ergonomic - stylish - inlet G3/8" LH

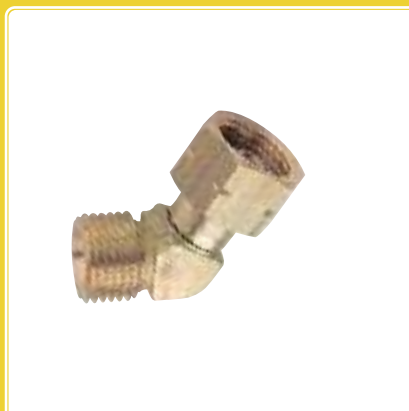
Part no.	mm-brazing	mm-soldering	KJ/h	KW	l/h at 0.8 bar	kg	mm
726	Ø 12	Ø 24	22596	6.28	400	0.63	300x88x42



## PERKEO Acetylene PIEZO turbo soldering attachment

Soldering attachment with special wraparound turbo swirl flame for soldering of pipes and fittings - suitable for brazing, soldering, lead soldering, tinning, hardening, heating, thawing, melting, burning off etc.

Part no.	mm-brazing	mm-soldering	KJ/h	KW	l/h at 0.8 bar	kg	mm
726/1	Ø 12	Ø 24	22596	6.28	400	0.21	139x49x19



## PERKEO Swivel adaptors with left-hand threads

Connection side of torch handle can be turned 360° - for all PERKEO handles with G3/8" LH connection

Part no.	Inlet	Outlet	kg	mm
380/V	G3/8" LH	G3/8" LH	0.06	41x19x19



## PERKEO Acetylene hoses according to EN 559

Medium pressure up to 20 bar max. - extremely flexible - length as desired - roll length 40 m

Part no.	Pressure class	mm-inside	mm-thickness	kg/m
401/T4	MP	Ø 4	3.5	0,17
401	MP	Ø 6	3.5	0,20
401/T9	MP	Ø 9	3.5	0,23



## PERKEO Acetylene hoses according to EN 559 - with connections

For all PERKEO soldering systems - medium pressure (MP) of up to 20 bar max. - extremely flexible - **available with connections M10x1 LH x G3/8" LH** - or - G3/8" LH x G3/8" LH

Part no.	Part no.	m-length	Pressure class	mm-inside	mm-thickness	kg	mm
• G3/8" LH x M10x1 LH	• G3/8" LH x G3/8" LH						
401/1	401/1/3	2.5	MP	Ø 6	3.5	0.45	Ø 220x30
401/2	401/2/3	3	MP	Ø 6	3.5	0.54	Ø 220x40
401/3	401/3/3	5	MP	Ø 6	3.5	0.90	Ø 280x40
401/4	401/4/3	10	MP	Ø 6	3.5	1.80	Ø 300x70



## PERKEO Acetylene hoses according to EN 559 - with connections - turning

Connection side of torch handle can be turned 360° - for all PERKEO soldering systems - medium pressure (MP) up to 20 bar max. - extremely flexible - connections G3/8" LH x G3/8" LH

Part no.	m-length	Pressure class	mm-inside	mm-thickness	kg	mm
• G3/8" LH x G3/8" LH						
401/1/3D	2.5	MP	Ø 6	3.5	0.50	Ø 220x30
401/2/3D	3	MP	Ø 6	3.5	0.60	Ø 220x40
401/3/3D	5	MP	Ø 6	3.5	0.95	Ø 280x40
401/4/3D	10	MP	Ø 6	3.5	1.85	Ø 300x70



## PERKEO Acetylene Bunsen burner - slewing

Can be fixed in any position - upon request available with thermoelectric safety pilot - connection M10x1 LH

Part no.	mm-flame	KJ/h	KW	l/h at 0.8 bar	kg	mm
260/T	Ø 5.5	1977	0.55	35	0.62	112x108x170



## PERKEO Acetylene Bunsen burner - fixed

Upon request available with thermoelectric safety pilot - connection M10x1 LH

Part no.	mm-flame	KJ/h	KW	l/h at 0.8 bar	kg	mm
260/01	Ø 5.5	1977	0.55	35	0.51	158x108x108



## PERKEO Mouth-operated acetylene soldering guns

For very fine to middle soldering applications - can also be used for melting in some cases - with pilot flame - size 2 with precise gas regulation by means of a needle valve - connections with 9 mm hose connectors

Part no.	Size	mm-flame	bar-working pressure	KJ/h	KW	l/h at 0.01 bar	kg	mm
788/7/02	2	Ø 4	0.01-0.3	847	0.24	15	0.13	230x65x25
788/7/03	3	Ø 12	0.01-0.05	678	0.19	12	0.13	245x65x35



## PERKEO Accessories for mouth-operated soldering guns

Part no.	Item	kg/(m)	mm
788/7/10	Mouth piece	0.01	Ø 10x40
788/7/20	Hose	0.05	-



## PERKEO Acetylene developer JUNIOR

New

Standalone acetylene gas generation system that produces acetylene gas with the aid of coarse grain carbide stone with a 50/80 mm grain and water - fully automatic operation - robust and practical developer for assembly work with a high standard of safety - light and handy yet very powerful - ideal for small repair workshops

Part no.	Item	Carbide filling	Power l/h	Work. pressure	kg	mm
101	Junior	2.5 kg	1000	1.5 bar	36,00	Ø 300x950



## PERKEO Acetylene developer ULTRA I and II

New

Standalone acetylene gas generation system that produces acetylene gas with the aid of coarse grain carbide stone with a 50/80 mm grain and water - fully automatic operation - robust and practical developer for the workshop with a high standard of safety - very powerful and with constant pressure even during intensive welding and cutting work - ideal for medium-sized repair workshops

Part no.	Item	Carbide filling	Power l/h	Work. pressure	kg	mm
108	ULTRA I	4 kg	2000	1.5 bar	54.00	Ø 360x1080
109	ULTRA II	6 kg	2500	1.5 bar	70.00	Ø 420x1200



## PERKEO Carbide

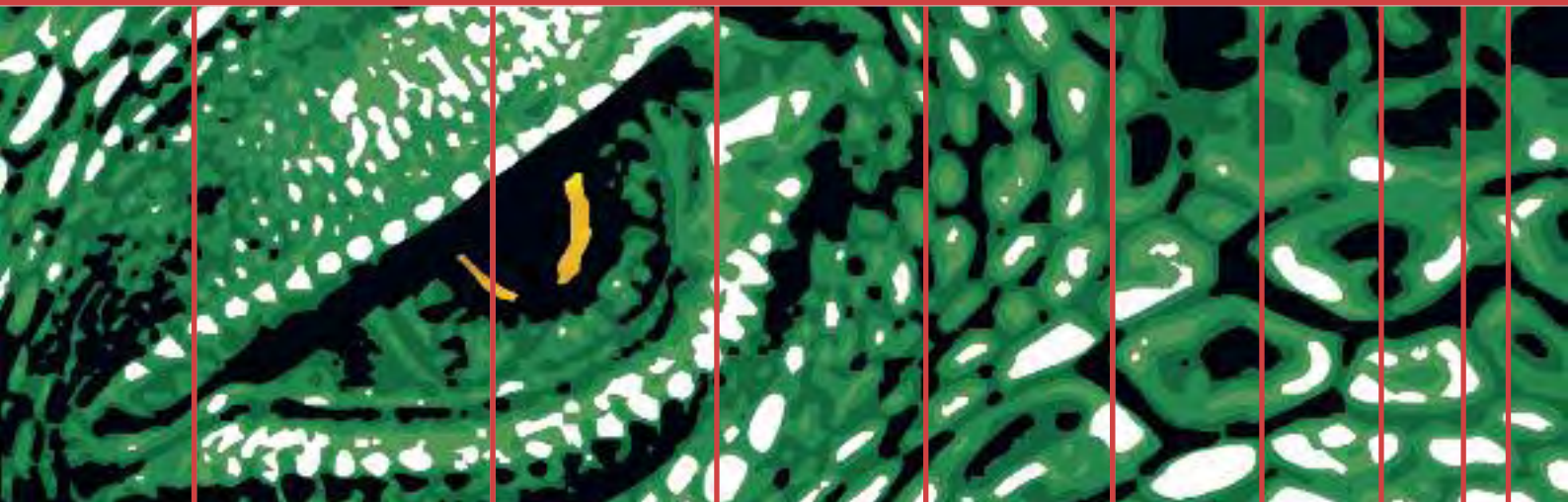
New

Carbide stone with 50/80 mm grain in sealed metal containers

Part no.	Quantity	kg	mm
145/6	6 kg	6.20	Ø 150x180
145/14	14 kg	14.40	Ø 200x270
145/31	31 kg	32.00	Ø 300x450



- Industry
- Vocational training schools

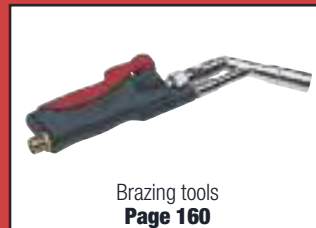


**Soft soldering**

**Brazing**

**Heating**







## PERKEO Heavy-duty natural gas soldering iron with copper bit

For heavy-duty applications - extremely robust and long-lived - with 350 g electrolytic copper bit in hammer form, cranked hammer form or point form - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - rotating hose connection - ergonomic brush wood handle (common beech) - **connections available: M10x1 LH or G3/8" LH**

Part no.	Part no.	Copper bit	KJ/h	KW	l/h at 0.02 bar	kg	mm
• M10x1 LH	• G3/8" LH						
<b>753</b>	<b>753/3</b>	Hammer form	4669	1.30	125	1.11	385x120x36
<b>754</b>	<b>754/3</b>	Point form	4669	1.30	125	1.11	460x75x36
<b>755/208/5</b>	<b>755/3/208/5</b>	Cranked hammer form	4669	1.30	125	1.11	349x105x36



## PERKEO Heavy-duty natural gas soldering iron with ZINNLUX-LONGLIFE copper bit

For heavy-duty applications - extremely robust and long-lived - with 350 g electrolytic copper bit ZINNLUX in hammer form, cranked hammer form or point form - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - rotating hose connection - ergonomic brush wood handle (common beech)- **connections available: M10x1 LH or G3/8" LH**

Part no.	Part no.	ZINNLUX-LONGLIFE	KJ/h	KW	l/h at 0.02 bar	kg	mm
• M10x1 LH	• G3/8" LH						
<b>753/Z</b>	<b>753/3/Z</b>	Hammer form	4669	1.30	125	1.11	385x120x36
<b>754/Z</b>	<b>754/3/Z</b>	Point form	4669	1.30	125	1.11	460x75x36
<b>755/208/5/Z</b>	<b>755/3/208/5/Z</b>	Cranked hammer form	4669	1.30	125	1.11	349x105x36



## PERKEO Heavy-duty natural gas soldering iron

For heavy-duty applications - extremely robust and long-lived - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - rotating hose connection - ergonomic brush wood handle (common beech) - **connections available: M10x1 LH or G3/8" LH**

Part no.	Part no.	KJ/h	KW	l/h at 0.02 bar	kg	mm
• M10x1 LH	• G3/8" LH					
<b>755</b>	<b>755/3</b>	4669	1.30	125	0.73	335x75x36



## PERKEO Heavy-duty natural gas soldering iron handles

For heavy-duty applications - extremely robust and long-lived - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - rotating hose connection - ergonomic brush wood handle (common beech) - **connections available: M10x1 LH or G3/8" LH** - outlet M14x1 RH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
<b>753/0/T</b>	<b>753/0/3/T</b>	0.48	222x65x36

# NATURAL GAS • Soldering



## PERKEO Natural gas soft soldering attachments

For heavy-duty applications - extremely robust and long-lived - available with 350 g electrolytic copper bit in hammer form, cranked hammer form or point form - stainless steel cap for perforated bit - inlet M14x1 RH

Part no.	Copper bit	KJ/h	KW	l/h at 0.02 bar	kg	mm
<b>753/1</b>	Hammer form	4669	1.30	125	0.52	134x100x22
<b>753/2</b>	Point form	4669	1.30	125	0.53	217x61x22
<b>753/2/0/208/5</b>	Cranked hammer form	4669	1.30	125	0.52	1153x105x27
<b>753/2/0</b>	without	4669	1.30	125	0.13	82x77x22



## PERKEO natural gas soldering attachments

Soldering attachments for soldering, lead soldering, tinning, hardening, heating, thawing, melting, burning off - torch heads of high-quality stainless steel - inlet M14x1 RH

Part no.	Size	mm-flame	KJ/h	KW	l/h at 0.02 bar	kg	mm
<b>755/1</b>	1	Ø 10	4669	1.30	125	0.10	85x22x18
<b>755/2</b>	2	Ø 20	11205	3.11	300	0.16	97x29x18



## PERKEO Copper bits

New

Cold-hammered copper bits made of high-quality electrolytic copper - available in hammer form, cranked hammer form or point form - 250 g, 350 g and 500 g versions - flat fixing pin prevents the bit from turning - long-lived - hammer form and cranked hammer form with 3 bores spaced at the bottom side for improving heat absorption

	Hammer form		Point form		Cranked hammer form		
Weight	Part no.	mm	Part no.	mm	Part no.	mm	kg
250 g	<b>219/2</b>	17x82x129	<b>220/2</b>	21x206x19	<b>219/5</b>	17x110x133	0.27
350 g	<b>208/2</b>	22x81x131	<b>209/2</b>	22x215x22	<b>208/5</b>	17x110x136	0.37
500 g	<b>210/2</b>	21x100x142	<b>211/2</b>	25x223x25	<b>210/5</b>	22x115x132	0.52



## PERKEO 350 g copper bits ZINNLUX-LONGLIFE

New

Extremely long-lived due to special coating - working temperature reached in 45 seconds - less gas consumption due to maximum heat storage - no filing or hammering necessary - flat fixing pin prevents the bit from turning - cleaning without soldering stone - hammer form and cranked hammer form with 3 bores spaced at the bottom side for improving heat absorption

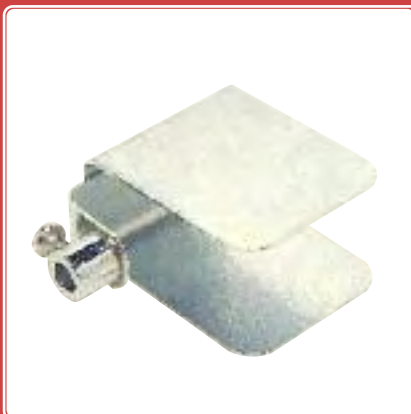
	Hammer form		Point form		Cranked hammer form		
Weight	Part no.	mm	Part no.	mm	Part no.	mm	kg
350 g	<b>208/2/Z</b>	22x81x131	<b>209/2/Z</b>	22x215x22	<b>208/5/Z</b>	17x110x136	0.37



## PERKEO footstand and suspension hook for all heavy-duty soldering irons

Made of stainless steel - adjustable spring with self-locking nut

<i>Part no.</i>	<i>kg</i>	<i>mm</i>	
<b>785</b>	0.04	86x15x81	



## PERKEO Windscreen for all heavy-duty soldering irons

Made of robust sheet steel

<i>Part no.</i>	<i>kg</i>	<i>mm</i>	
<b>785/10</b>	0.11	74x32x63	

# NATURAL GAS • Heating, burning off



## PERKEO Economizer handles with adjustable pilot flame

For heavy-duty applications - extremely robust and long-lived - 30-40 % savings in gas consumption due to economizer - hot-pressed brass lever - stainless steel and teflon wear parts - precise gas regulation - available either with ergonomic brush wood handle (common beech) or a light-weight, glass fiber reinforced and indestructible Ultramid handle - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	Handle version	kg	mm
• M10x1 LH	• G3/8" LH			
224/7/T	224/7/3/T	Brush wood (common beech)	0.37	80x190x52
224/2/T	224/2/3/T	Ultramid	0.34	80x190x47



## PERKEO Economizer handles with preset pilot flame

For heavy-duty applications - extremely robust and long-lived - 30-40 % savings in gas consumption due to economizer - hot-pressed brass lever - stainless steel and teflon wear parts - precise gas regulation - ergonomic brush wood handle (common beech) - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
224/9/T	224/9/3/T	0.38	80x183x54



## PERKEO Universal handles

For heavy-duty applications - extremely robust and long-lived - stainless steel and teflon wear parts - precise gas regulation - available either with ergonomic brush wood handle (common beech) or a light-weight, glass fiber reinforced and indestructible Ultramid handle - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	Handle version	kg	mm
• M10x1 LH	• G3/8" LH			
224/6/T	224/6/3/T	Brush wood (common beech)	0.24	35x170x48
224/3/T	224/3/3/T	Ultramid	0.19	27x170x43



## PERKEO Natural gas handle

Handle for extremely high flow rates - stainless steel and teflon wear parts - precise gas regulation - ergonomic brush wood handle (common beech) - connection by means of 9 mm hose connector - outlet G3/8" RH

Part no.	kg	mm
224/8	0.37	35x204x55

# NATURAL GAS • Heating, burning off



## PERKEO Angular adaptor

Made of solid brass - 120° bend - inlet G3/8" RH - outlet G3/8" RH

Part no.	kg	mm
168/01	0.09	40x22x40



## PERKEO Natural gas heating torch attachment

robust multi-purpose torch attachment - tried and tested machine torch for series production etc. - torch head made of high-quality stainless steel - inlet G3/8" RH

Part no.	mm-flame	KJ/h	KW	l/h at 0.02 bar	kg	mm
791/12/E	Ø 17	4669	1.30	125	0.13	131x45x30



## PERKEO Torch connecting tubes

Torch tubes made of high-quality stainless steel - versions: straight or with a 120° bend - inlet G3/8" RH - outlet G3/8" RH

Part no.	mm-tube length	Version	kg	mm
601/10	125	120°	0.10	125x35x22
601/20	300	120°	0.18	300x40x22
601/50	550	120°	0.29	550x40x22
601/70	750	120°	0.35	750x40x22
600	600	straight	0.30	600x22x22



## PERKEO Heavy-duty natural gas torch heads

Extremely efficient due to optimally designed air intake on the brass body - for heating, burning off, heat shrinking, soft soldering, tinning, lead soldering, hardening, thawing, melting, etc. - made of seamless precision steel tube - inlet G3/8" RH

Part no.	mm-head	KJ/h	KW	l/h at 0.02 bar	kg	mm
780/25/1/E	Ø 25	7470	2.08	200	0.16	90x32x32
780/40/1/E	Ø 40	11205	3.11	300	0.27	99x42x42

# NATURAL GAS • Heating, burning off



## PERKEO Manifolds

For connection of several torch heads - made of solid brass - inlet G3/8" RH - outlet G3/8" RH

Part no.	Outlets	kg	mm
275/2/T	2	0.20	155x56x22
275/3/T	3	0.30	275x53x22



## PERKEO Natural gas heating torch attachments

Extremely efficient due to optimally designed air intake on the brass body - for heating, burning off, heat shrinking, soft soldering, tinning, lead soldering, hardening, thawing, melting, etc. - torch tubes made of high-quality stainless steel - with 120° bend - torch heads made of seamless precision steel tube - inlet G3/8" RH

Part no.	mm-head	mm-tube length	KJ/h	KW	l/h at 0.02 bar	kg	mm
780/25/E	Ø 25	125	7470	2.08	200	0.29	172x55x32
780/40/E	Ø 40	125	11205	3.11	300	0.36	180x60x42



## PERKEO Footstand for torch tubes

Can be fixed onto tube - high stability

Part no.	kg	mm
785/20	0.08	95x28x16



## PERKEO Natural gas heating torch attachment

Robust multi-purpose heating attachment with 120° angular adaptor - tried and tested machine torch for series production etc. - torch head made of high-quality stainless steel - inlet G3/8" RH

Part no.	mm-flame	KJ/h	KW	l/h at 0.02 bar	kg	mm
780/10/E	Ø 17	4669	1.30	125	0.22	125x40x22

# NATURAL GAS • Brazing, soldering, heating, burning off



## PERKEO Natural gas PIEZO turbo torch "HM"

New

Only adapted for high pressure natural gas up to 1,5 bar! - automatic ignition by clasping the handle - 30,000 ignitions guaranteed - special wraparound swirl flame - robust - ergonomic - stylish - inlet G3/8" LH

Part no.	mm-brazing up to pipe	mm-soldering up to pipe	KJ/h	KW	l/h at 1.5 bar	kg	mm
794/HM/E	Ø 22	Ø 35	39543	10.99	700	0.63	300x88x42



## PERKEO Natural gas PIEZO turbo torch

New

Only adapted for high pressure natural gas up to 1,5 bar! - automatic ignition by pressing the button - 30,000 ignitions guaranteed - special wraparound swirl flame - robust - ergonomic - stylish - inlet G3/8" LH

Part no.	mm-brazing up to pipe	mm-soldering up to pipe	KJ/h	KW	l/h at 1.5 bar	kg	mm
794/E	Ø 22	Ø 35	39543	10.99	700	0.63	300x88x42

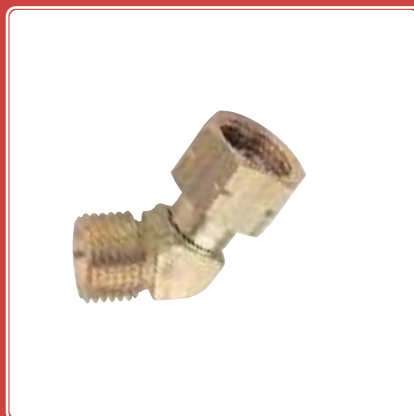


## PERKEO Natural gas PIEZO turbo soldering attachment

New

Soldering attachment with special wraparound turbo swirl flame for soldering of pipes and fittings - suitable for brazing, soldering, lead soldering, tinning, hardening, heating, thawing, melting, burning off etc.

Part no.	mm-brazing up to pipe	mm-soldering up to pipe	KJ/h	KW	l/h at 1.5 bar	kg	mm
798/21/E	Ø 22	Ø 35	39543	10.99	700	0.21	139x49x19



## PERKEO Swivel adaptors with left-hand threads

Connection side of torch handle can be turned 360° - for all PERKEO handles with G3/8" LH connection

Part no.	Inlet	Outlet	kg	mm
380/V	G3/8" LH	G3/8" LH	0.06	41x19x19



# NATURAL GAS • Hoses, safety devices



## PERKEO Natural gas hoses according to EN 559



Medium pressure (MP) up to 20 bar max. - extremely flexible - length as desired - roll length 40 m

Part no.	Pressure class	mm-inside	mm-thickness	kg/m
400/01	MP	Ø 6	3.5	0.20
400/02	MP	Ø 9	3.5	0.23



## PERKEO Natural gas hoses according to EN 559 - with connections



For all natural gas soldering systems with high flow rate - medium pressure (MP) up to 20 bar max. - extremely flexible - **available with connections M10x1 LH x G3/8" LH - or - G3/8" LH x G3/8" LH**

Part no.	Part no.	m-length	Pressure class	mm-inside	mm-thickness	kg	mm
• G3/8" LH x M10x1 LH	• G3/8" LH x G3/8" LH						
400/02/1	400/02/1/3	2.5	MP	Ø 9	3.5	0.45	Ø 400x30
400/02/2	400/02/2/3	3	MP	Ø 9	3.5	0.54	Ø 400x35
400/02/3	400/02/3/3	5	MP	Ø 9	3.5	0.90	Ø 400x40
400/02/4	400/02/4/3	10	MP	Ø 9	3.5	1.80	Ø 400x65



## PERKEO Natural gas flash-back arrestor according to DIN-EN 746

Only for use with low-pressure torches (injector torches) - in-line fitting - very fine membranes prevent pressure loss - safety device with non-return valve to prevent reverse flow of gases and filter - other threads upon request - DVGW+BAM-tested

Part no.	Type of gas	bar-working pressure max.	Nm <sup>3</sup> /h max.	Inlet	Outlet	kg	mm
974/03/01	Natural gas	0.1	50	G1/2" RH - FT	G1/2" RH - FT	1.20	Ø 52x65

# NATURAL GAS • Bunsen burners



## PERKEO Natural gas Bunsen burner - slewing

Can be fixed in any position - for low pressure (LP) up to 0.05 bar - upon request available with thermoelectric safety pilot - connection M10x1 LH

Part no.	mm-flame	KJ/h	KW	l/h at 0.02 bar	kg	mm
791/4/E	Ø 10	4482	1.25	120	0.70	116x108x210



## PERKEO Natural gas Bunsen burner - fixed

For low pressure (LP) up to 0.05 bar - upon request available with thermoelectric safety pilot - connection M10x1 LH

Part no.	mm-flame	KJ/h	KW	l/h at 0.02 bar	kg	mm
791/04/E	Ø 10	4482	1.25	120	0.53	126x108x186



## PERKEO Threaded hose coupling with left-hand thread

9 mm hose nipple with cap nuts

Part no.	Screw thread	mm-nipple	kg	mm
380/L/T9	M10x1 LH	Ø 9	0.01	SW12x39

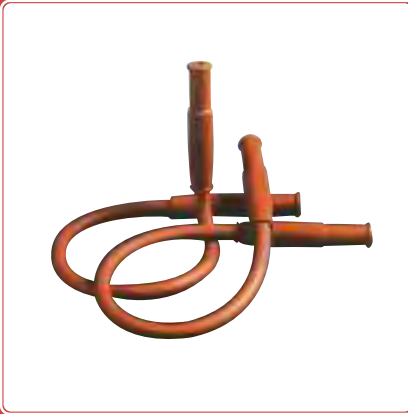


## PERKEO Screw nipple with left-hand thread



Hose screw nipple with female screw thread made of brass

Part no.	Screw thread	mm-nipple	kg	mm
380/L/T9/S	M10x1 LH	Ø 9	0.05	SW17x47



## PERKEO Natural gas hose for Bunsen burner according to DIN 30665

Only for low pressure (LP) up to max. 0,1 bar (100 mbar) - safety hose with 9 mm inside diameter - sliding socket at both ends for easy fixing and releasing manually - connecting diameter 9-10 mm - DVGW-tested

Part no.	mm-length	Pressure class	mm-inside	mm-thickness	kg	mm
400/03/01	500	LP	Ø 9	2	0.09	130x40
400/03/03	1000	LP	Ø 9	2	0.16	130x50
400/03/05	2000	LP	Ø 9	2	0.32	130x65



## PERKEO Natural gas Bunsen burner attachment

Robust multi-purpose burner attachment - tried and tested machine burner for series production etc. torch head made of high-quality stainless steel - inlet G3/8" RH

Part no.	mm-flame	KJ/h	KW	l/h at 0,02 bar	kg	mm
791/12/E	Ø 17	5789	1.61	155	0.14	131x24x24



## PERKEO Thermoelectric safety pilot kits

Safety devices for all PERKEO Bunsen burners and equipment - automatic interruption of gas supply, if working flame extinguishes, restart by simply pressing the button - attachments: thermo element in different lengths, safety check valve and accessories

Part no.	mm-length	kg	mm
791/Z/20	200	0.20	50x50x30
791/Z/30	300	0.20	50x50x30
791/Z/40	400	0.20	50x50x30



## PERKEO Natural gas cooker

For vessels with capacities up to 40 l - welded steel design - versions for low pressure (LP) up to 0.05 bar - upon request available with thermoelectric safety pilot - connection M10x1 LH

Part no.	KJ/h	KW	l/h at 0.02 bar	kg	m
258/41/E	5603	1.56	150	3.80	350x350x260



## PERKEO Natural gas cooker burner

Version for low pressure (LP) up to 0.05 bar - individual installation options - economic cooker burner in the low pressure range - connection M10x1 LH

Part no.	KJ/h	KW	l/h at 0.02 bar	kg	mm
258/61/E	5603	1.56	150	0.42	261x46x54



## PERKEO Mouth-operated natural gas soldering guns

For very fine to middle soldering applications - can also be used for melting in some cases - versions for low pressure up to 0.3 bar - with pilot flame - sizes 1 and 2 with precise gas regulation by means of a needle valve - connections by means of 9 mm hose connectors

Part no.	Size	mm-flame	bar-working pressure	KJ/h	KW	l/h at 0.01 bar	kg	mm
788/7/01/E	1	Ø 2	0.01-0.3	560	0.16	15	0.11	230x65x25
788/7/02	2	Ø 4	0.01-0.3	560	0.16	15	0.13	230x65x25
788/7/03	3	Ø 12	0.01-0.05	448	0.13	12	0.13	245x65x35



## PERKEO Accessories for mouth-operated soldering guns

Part no.	Item	kg/(m)	mm
788/7/10	Mouth piece	0.01	Ø 10x40
788/7/20	Hose	0.05	-



## PERKEO Handle KLEIN RISTA

For universal use - light-weight, handy and solid - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - light-weight, indestructible, glass fiber reinforced Ultramid grip - with detachable 6 mm hose connection nipples on both sides - screw threads: fuel gas inlet G3/8" LH - compressed air inlet G1/4" RH - outlet M15x1 RH

Part no.	kg	mm
828/T6	0.36	242x68x41



## PERKEO Natural gas-compressed air soft soldering attachments KLEIN RISTA

For heavy-duty applications - extremely robust and long-lived - attachment **786/03** with 350 g electrolytic copper bit in hammer form - stainless steel cap for screen head - inlet M15x1 RH

Part no.	Copper bit	kg	mm
786/03	Hammer form	0.60	150x104x24
786/03/OK	without	0.20	115x104x24



## PERKEO Natural gas-compressed air torch attachments KLEIN RISTA

Universal torch attachments for brazing, annealing, tinning, hardening, heating, thawing, melting, burning off, etc. - torch heads made of high-quality stainless steel - inlet M15x1 RH

Part no.	Size	mm-flame	Natural gas l/h at 0.02 bar	kg	mm
786/0	0	Ø 3,5	260	0.08	110x32x20
786/1	1	Ø 4	350	0.18	185x56x25
786/2	2	Ø 6	680	0.18	188x55x24
786/3	3	Ø 8	780	0.18	190x60x26
786/4	4	Ø 12	890	0.23	195x60x26
786/5	5	Ø 20	1000	0.27	209x62x32
786/6	6	Ø 35	1200	0.35	227x65x42



## PERKEO Natural gas-compressed air heating, brazing and melting outfit KLEIN RISTA

• 828/T6 Handle KLEIN RISTA • 786/1, 786/2, 786/3 3 torch attachments sizes 1-3 • 380/265 Combination wrench

Part no.	kg	mm
786/00/T6	1.11	200x70x65



## PERKEO Handle RISTA

For universal use - light-weight, handy and solid - stainless steel and teflon wear parts - precise gas regulation by means of spring mechanism - aluminum grip - with detachable 6 mm hose connection nipples - screw threads: inlet fuel gas G3/8" LH - inlet compressed air G1/4" RH - outlet M24x1.5 RH

Part no.	kg	mm
900	0.61	259x65x52



## PERKEO Natural gas-compressed air heating, brazing and melting torch attachments RISTA



Powerful and universal torch attachments with center flame for brazing, annealing, tinning, hardening, heating, thawing, melting, burning off, etc. - popular and frequently used as machine torch for industrial applications or as melting torch in dental technology - inlet M24x1.5 RH

Part no.	Size	mm-flame	Natural gas l/h at 0.02 bar	kg	mm
786/1/1	1	Ø 18	2500	0.43	620x300x27
786/1/2	2	Ø 28	2500	0.57	630x350x30



## PERKEO Natural gas-compressed air heating torch attachments RISTA



Powerful and universal torch attachments with big and soft flame for annealing, tinning, hardening, heating, thawing, melting, burning off, etc. - torch heads made of high-quality steel - popular and frequently used as machine torch for industrial applications or as bristle burn off torch for pigs in the slaughter industry - inlet M24x1.5 RH

Part no.	Size	mm-flame	Natural gas l/h at 0.02 bar	kg	mm
786/1/1/40	1	Ø 35	1750	0.31	370x85x40
786/1/2/60	2	Ø 55	1960	0.61	440x105x60



## PERKEO Natural gas-compressed air heating, brazing and melting outfit RISTA



• 900 Handle RISTA • 786/1/1, 786/1/2 2 torch attachments sizes 1-2 • 380/265 Combination wrench

Part no.	kg	mm
786/1/00/T6	1.74	650x400x190



## PERKEO Natural gas-compressed air heating outfit RISTA



• 900 Handle RISTA • 786/1/1/40, 786/1/2/40 2 torch attachments sizes 1-2 • 380/265 Combination wrench

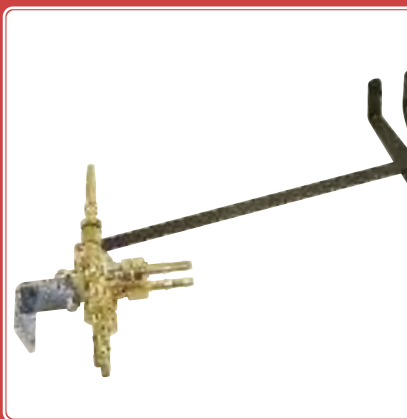
Part no.	kg	mm
786/2/00/T6	1.74	650x400x190



## PERKEO Natural gas-compressed air soldering guns according to DIN EN 1106

Soldering guns for brazing, annealing, tinning, hardening, heating, thawing, melting, burning off, etc. - especially suitable for melting and annealing of metals in dental technology and jewelry - version for low pressure (LP) up to 0.3 bar max. - with pilot flame - connections by means of 9 mm hose connectors

Part no.	Size	Natural gas l/h at 0.02 bar	kg	mm
786/10/01	1	220	0.19	230x65x35
786/10/02	2	430	0.20	230x65x35
786/10/03	3	2500	0.45	320x110x50
786/10/04	4	2500	0.75	430x150x60



## PERKEO Natural gas-compressed air gas economizer

Automatic interruption of gas supply by placing the torch on the hook - no readjustment of settings necessary when unhooking the torch - adjustable pilot flame - with angle bracket - with detachable 6 mm hose connection nipples on both sides - screw threads: fuel gas G3/8" LH - compressed air G1/4" RH

Part no.	Type of gas	Inlets	Outlets	kg	mm
563/1	Natural gas-compr. air	2 x Nipple Ø 6	2 x Nipple Ø 6	0.30	370x65x160



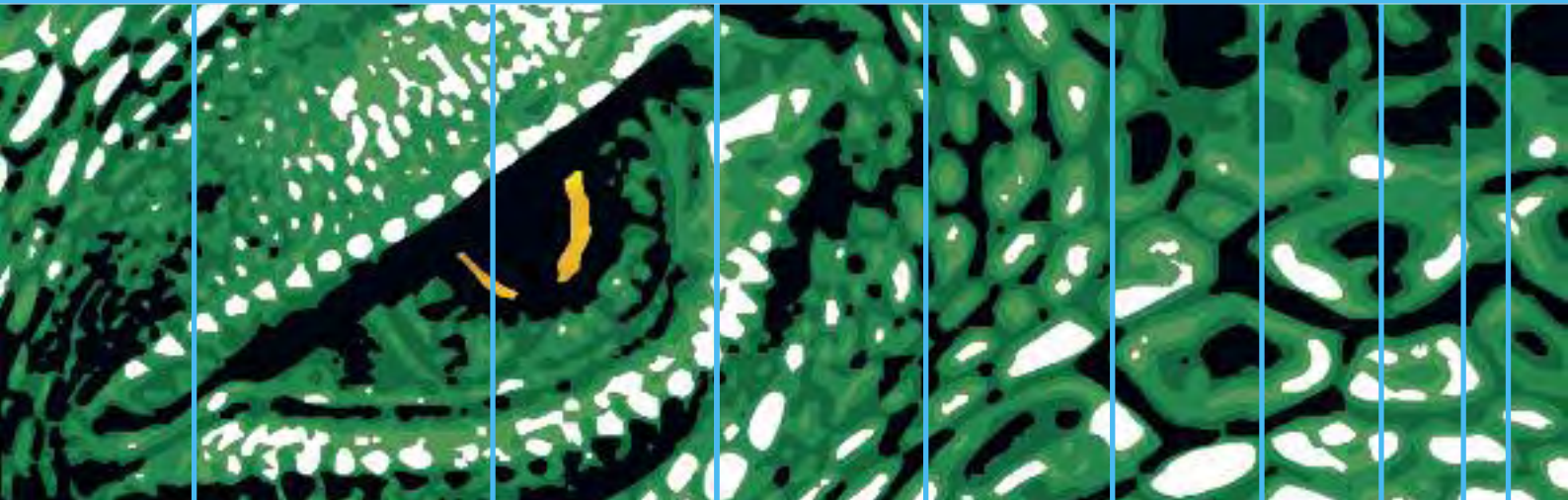
## PERKEO Natural gas flashback arrestor according to DIN-EN 730

For use with natural gas-compressed air torches - in-line fitting - very fine membranes prevent pressure loss - safety device with non-return valve to prevent reverse flow of gases and filter - other threads upon request - DVGW+BAM-tested

Part no.	Type of gas	bar-working pressure max.	lit <sup>3</sup> /h max.	Inlet	Outlet	kg	mm
974/03/02	Natural gas	0.1	50	G3/4" RH - MT	G3/4" RH - FT	1.50	Ø 62x135



- Industry
- Instrument makers
- Gold smiths and silver smiths
- Clockmakers
- Opticians
- Dental technology



## Brazing





# HYDROGEN • Brazing, annealing, melting



## PERKEO Economizer handles with adjustable pilot flame

For heavy-duty applications - extremely robust and long-lived - 30-40 % savings in gas consumption due to economizer - hot-pressed brass lever - stainless steel and teflon wear parts - precise gas regulation - available either with ergonomic brush wood handle (common beech) or a light-weight, glass fiber reinforced and indestructible Ultramid handle - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	Handle version	kg	mm
• M10x1 LH	• G3/8" LH			
224/7/T	224/7/3/T	Brush wood (common beech)	0.37	80x190x52
224/2/T	224/2/3/T	Ultramid	0.34	80x190x47



## PERKEO Economizer handles with preset pilot flame

For heavy-duty applications - extremely robust and long-lived - 30-40 % savings in gas consumption due to economizer - hot-pressed brass lever - stainless steel and teflon wear parts - precise gas regulation - ergonomic brush wood handle (common beech) - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
224/9/T	224/9/3/T	0.38	80x183x54



## PERKEO Universal handles

For heavy-duty applications - extremely robust and long-lived - stainless steel and teflon wear parts - precise gas regulation - available either with ergonomic brush wood handle (common beech) or a light-weight, glass fiber reinforced and indestructible Ultramid handle - **connections available: M10x1 LH or G3/8" LH** - outlet G3/8" RH

Part no.	Part no.	Handle version	kg	mm
• M10x1 LH	• G3/8" LH			
224/6/T	224/6/3/T	Brush wood (common beech)	0.24	35x170x48
224/3/T	224/3/3/T	Ultramid	0.19	27x170x43



## PERKEO Hydrogen soldering attachments

Soldering attachments for brazing, melting, roofing, etc. - especially suitable for fine and very fine soldering applications in dental technology and jewelry - inlet G3/8" RH

Part no.	Size	mm- flame center cone	KJ/h	KW	l/h at 0.5 bar	kg	mm
267	000	Ø 1.6	496	0.13	46	0.07	126x22x22
268	00	Ø 2.2	755	0.20	70	0.07	126x22x22
269	0	Ø 2.5	992	0.27	92	0.07	126x22x22

# HYDROGEN • Brazing, annealing, melting



## PERKEO Hydrogen soldering attachments

Soldering attachments for brazing, melting, tinning, hardening, roofing etc. - especially suitable for copper pipe soldering in refrigeration and air-conditioning technology, for fine to middle soldering and melting applications in dental technology and jewelry as well as tinning applications in the automotive industry - inlet G3/8" RH

Part no.	Size	mm-flame center cone	KJ/h	KW	l/h at 0.5 bar	kg	mm
225	1	Ø 3	2480	0.67	230	0.07	126x22x22
226	2	Ø 4.5	5392	1.45	500	0.09	126x22x22
227	3	Ø 6.5	15851	4.26	1470	0.10	126x22x22



## PERKEO Hydrogen soldering gun set for all brazing, melting and tinning applications - ideal for refrigeration and air-conditioning technology, dental technology, jewelry and the automotive industry

• 224/3/T or 224/3/3/T Universal handle • 225, 226, 227 3 soldering attachments sizes 1-3 • 380/265 Combination wrench • 421 3 tip-cleaning needles

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
223	223/3	0.60	180x70x40



## PERKEO Hydrogen soldering gun set in elegant wooden box für all brazing, melting and tinning applications - ideal for gold smiths and silver smiths, clockmakers, opticians and dental technology

• 390/2/1 Wooden box • 224/3/T or 224/3/3/T Universal handle • 267, 268, 269 3 soldering attachments sizes 000-0 • 225, 226, 227 3 soldering attachments sizes 1-3 • 380/265 Combination wrench • 421 3 tip-cleaning needles

Connections available: M10x1 LH or G3/8" LH

Part no.	Part no.	kg	mm
• M10x1 LH	• G3/8" LH		
265	265/3	0.98	222x157x38

# HYDROGEN • Mouth-operated soldering guns



## PERKEO Mouth-operated hydrogen soldering guns

For very fine to middle soldering applications - can also be used for melting in some cases - with pilot flame - size 2 with precise gas regulation by means of a needle valve - connections by means of 9 mm hose connectors

Part no.	Size	mm-flame center cone	bar-working pressure	KJ/h	KW	l/h at 0.01 bar	kg	mm
788/7/02	2	Ø 4	0.01-0.3	744	0.20	69	0.13	230x65x25
788/7/03	3	Ø 12	0.01-0.05	593	0.16	55	0.13	245x65x35

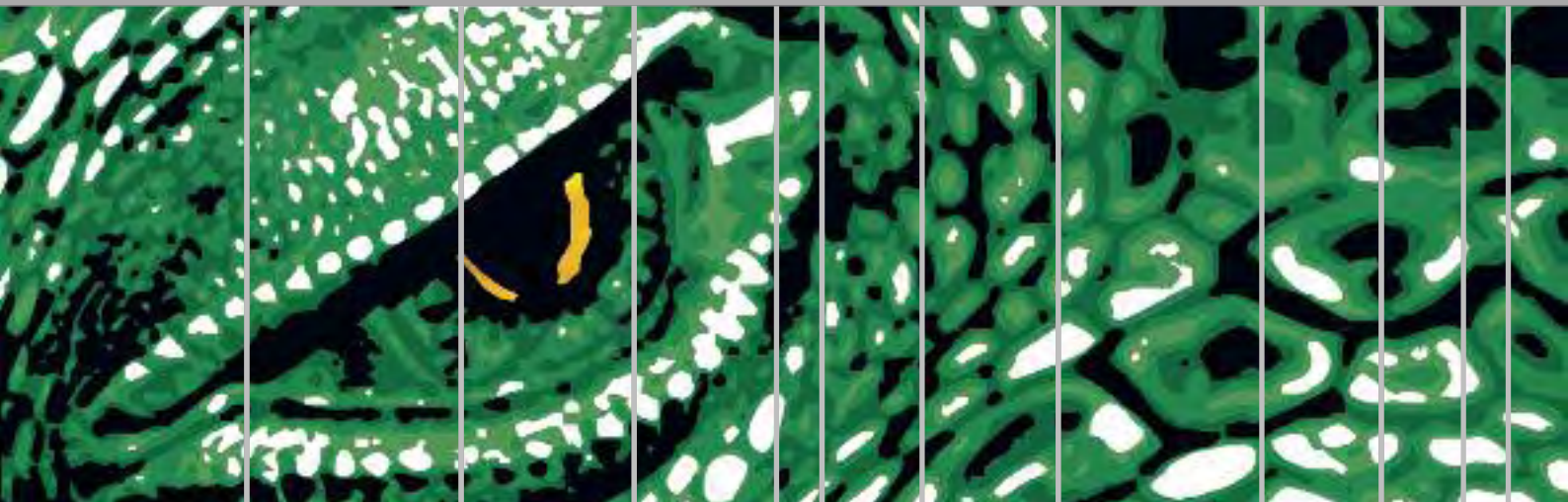


## PERKEO Accessories for mouth-operated soldering guns

Part no.	Item	kg/(m)	mm
788/7/10	Mouth piece	0.01	Ø 10x40
788/7/20	Hose	0.05	-



- Refrigeration and air-conditioning technology
- Roofers
- Plumbers
- Tanners
- Sheet metal workers
- Heating installers
- Sanitary installers
- Building craft
- Industry
- Instrument makers
- Gold smiths and silver smiths
- Handicraft
- Dental technology
- Vocational training schools
- Modelers
- Garages
- Butchers
- Painters
- Camping/caravan
- Catering



**Electric soldering  
irons**

**Solder**

**Flux**

**Brazing alloy**

**Welding rods**

**Heat protection**



Electric soldering irons  
**Page 176-177**



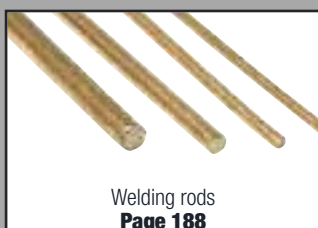
Solder wires, bars, fluxes  
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Soldering accessories  
**Page 181-183**



Brazing alloys, fluxes  
**Page 184-187**



Welding rods  
**Page 188**



Heat protection  
**Page 189**

# ACCESSORIES • Electric soldering irons



## PERKEO FIXI electric soldering iron



The FIXI electric soldering iron is up to working temperature in less than 1 minute! - compact high-performance heating element with precise electronics for long service life - ergonomic handle with integrated stand foot (gripping edge!) - replaceable brass soldering bit with nickel coat - 230 V network operation - 2 year guarantee



Part no.	Item	Power rating Watt	Solderin tip mm	Soldering tip form	kg	mm
240/01/25	FIXI soldering iron	25	Ø1	Pencil point	0.18	100x230x40
240/01/45	FIXI soldering iron	45	2.5 x 1	Chisel-shaped	0.20	100x230x40
240/01/01	Repl. soldering tip	-	Ø 1	Pencil point	0.01	10x8x20
240/01/02	Repl. soldering tip	-	2.5 x 1	Chisel-shaped	0.01	10x8x20



## PERKEO GALAXY PEN electric soldering iron



The standard electric soldering iron GALAXY PEN is up to working temperature in less than 1 minute! - high-performance heating element with precise electronics - pencil-shaped ergonomic handle - scope of delivery includes tabletop holder - brass soldering bit with nickel coat - 230 V network operation - 1 year guarantee



Part no.	Power rating Watt	Solderin tip mm	Soldering tip form	kg	mm
240/02/25	25	2.5 x 0.5	Chisel-shaped	0.20	110x250x35
240/02/60	60	4 x 1	Chisel-shaped	0.24	110x280x35
240/02/100	100	5 x 1	Chisel-shaped	0.27	110x300x35



## PERKEO GALAXY GUN electric soldering iron



GALAXY GUN soldering iron is instantly ready for use with high-performance heating element and precise electronics - soldering at the touch of a button - pistol-shaped ergonomic handle - safe storage on the side of the housing - brass soldering bit with nickel coat - 230 V network operation - 1 year guarantee



Part no.	Power rating Watt	Solderin tip mm	Soldering tip form	kg	mm
240/03/100	100	Universal	Wire loop	0.62	310x250x55



## PERKEO 1600 electric soldering station



Power soldering station 1600 with adjustable temperature 120 °C - 400°C - up to working temperature in less than 1 minute! - high-performance heating element with precise electronics - LED indication - pencil-shaped ergonomic handle - anti-static - shock-protective case with soldering-iron holder and viscose cleaning sponge - soldering bit with nickel coat - 230 V network operation - 1 year guarantee

Part no.	Power rating Watt	Solderin tip mm	Soldering tip form	kg	mm
240/04/50	50	Ø 1	Pencil point	0.60	220x140x8055





**PERKEO Solder sucker**

*New*

For removing old soldering points

Part no.	kg	mm
240/10/01	0.08	Ø 25x170



**PERKEO Desoldering braids**

*New*

Copper wire-woven braids for desoldering old soldering points

Part no.	tape width mm	tape length m	kg	mm
240/10/02	1.5	1.5	0.03	55x20
240/10/03	3	1.5	0.04	55x20



**PERKEO Solder wires according to DIN EN 29453, flux-cored solder wires according to DIN EN 29454.1, 1.1.1.B**

Leaded flux-cored solder wires for electronic devices as well as copper (co), brass (br), iron, steel, tinplate and for tinning - mild flux, non-corrosive - can not be used for drinking water installations - on rolls

Part no.	Description	Melting range	mm-wire	Information / use	g/roll
500/01/09	S-Pb60Sn40 (F-SW 31)	183-235°C	Ø 2	General / electronic / leaded	100
500/01/10	S-Pb60Sn40 (F-SW 31)	183-235°C	Ø 2	General / electronic / leaded	250
500/01/11	S-Pb60Sn40 (F-SW 31)	183-235°C	Ø 2	General / electronic / leaded	500



**PERKEO Solder wires according to DIN EN ISO 9453, flux-cored solder wires according to DIN EN 29454.1, 3.1.1.B**

Leaded flux-cored solder wires for copper (co), brass (br), iron, steel, tinplate and for tinning - powerful flux with zinc chloride - can not be used for drinking water installations - on rolls

Part no.	Description	Melting range	mm-wire	Information / use	g/roll
500/01/39	S-Pb60Sn40 (F-SW 21)	183-235°C	Ø 2	General / leaded	100
500/01/40	S-Pb60Sn40 (F-SW 21)	183-235°C	Ø 2	General / leaded	250
500/01/50	S-Pb60Sn40 (F-SW 21)	183-235°C	Ø 3	General / leaded	250

# ACCESSORIES • Solder wires, bars, fluxes



## PERKEO solder wires according to DIN EN ISO 9453, flux-cored solder wires according to DIN EN 29454.1, 1.1.2.B

New

Leaded flux-cored solder wires for very fine soldering works on electronic devices - mild flux, non-corrosive - can not be used for drinking water installations - on rolls

Part no.	Description	Melting range	mm-wire	Information / use	g/roll
500/01/80	S-Sn60Pb40 (F-SW 26)	183-190°C	Ø 1	Electronic / leaded	100
500/01/81	S-Sn60Pb40 (F-SW 26)	183-190°C	Ø 1	Electronic / leaded	250



## PERKEO solder wires according to DIN EN ISO 9453, flux-cored solder wires according to DIN EN 29454.1, 1.1.3.B

New

Non-leaded flux-cored solder wires for very fine soldering works on electronic devices - mild flux, non-corrosive - can not be used for drinking water installations - on rolls

Part no.	Description	Melting range	mm-wire	Information / use	g/roll
500/01/90	S-Sn60Pb40 (F-SW 26)	183-190°C	Ø 1	Electronic / leaded	100
500/01/91	S-Sn60Pb40 (F-SW 26)	183-190°C	Ø 1	Electronic / leaded	250



## PERKEO Solder wires for fittings according to DIN EN ISO 9453

Solder wires are generally suited for general purpose soft soldering applications involving iron, steel, tinplate, copper (co) and brass (br), etc. and for tinning - especially suited for soft soldering of copper pipes with copper, red brass and brass fittings in drinking water and heating installations up to 110°C according to DVGW work sheet GW 2 - with RAL seal of approval issued by the German "Gütegemeinschaft Kupferrohr e.V." - on rolls

Part no.	Description	Melting range	mm-wire	Information / use	g/roll
500/01/69	S-Sn97Cu3	230-250°C	Ø 3	Co+co, co+br / general	100
500/01/70	S-Sn97Cu3	230-250°C	Ø 3	Co+co, co+br / general	250
500/01/72	S-Sn97Ag3	221-240°C	Ø 3	Co+co, co+br / general	100
500/01/71	S-Sn97Ag3	221-240°C	Ø 3	Co+co, co+br / general	250



## PERKEO Stearin solder wire according to DIN EN ISO 9453, flux-cored solder wire according to DIN EN 29454.1, 2.2.1.B

Flux-cored soft solder wire for lead pipes and sheets - can not be used for drinking water installations - in rings

Part no.	Description	Melting range	mm-wire	Information / use	g/ring
500/01/60	S-Pb60Sn40 (F-SW 23)	183-235°C	Ø 5	lead+lead	1000

# ACCESSORIES • Solder wires, bars, fluxes



## PERKEO Bar soldering tin according to DIN EN 29453

All types of bar soldering tin are generally suited for all general purpose soft soldering applications involving iron, steel, tinplate, copper (co) and brass (br) and for tinning - triangular section bars, length 400 mm - minimum ordering quantity 25 kg / block tin 1 kg

Part no.	Description	Melting range	Information / use	kg
500/01/01	S-Pb74Sn25Sb1	185-263°C	Car bodies / general	25.00
500/01/02	S-Pb60Sn40	183-235°C	General	25.00
500/01/03	S-Sn97Cu3	230-250°C	Co+co/br / general	25.00
500/01/04	S-Sn99,9	232°C	Block tin / general	1.00
500/01/05	S-Sn60Pb40	183-190°C	General	25-00

## PERKEO UNIGEL soft soldering flux according to DIN EN 29454.1



### "A gel for every occasion!"

UNIGEL is an innovative universal soft-solder flux in a gel format for soft-soldering of all plate rolled blank materials (copper, stainless steel and zinc plate) except for aluminum and special material as uginox.

A brush to apply the liquid soldering gel is already incorporated in the lid. This means you can even apply Unigel to standing areas without it running as conventional soft-solder flux does. Its viscosity means the drop stays where you apply it. Only when you use the lid brush the soldering gel reaches the parts it is supposed to.

The reduced flowability of UNIGEL soft-solder flux prevents the soldered environment from being contaminated by the flux's corrosive substances.

UNIGEL is supplied in a container with a very large seat area, which means the solder container will not tip over. Contains 320ml.



UNIGEL does not run off so it does not leave any ugly marks on the material.

Packing unit:  
12 pc. in display box

Part no.	Description	Information / use	kg/unit
502/01/05	3.1.1.A (F-SW 12)	Iron, steel, co, br, lead, tinplate	3.95



## PERKEO AGROFIX soft soldering flux according to DIN EN 29454.1



AGROFIX is a strong universal soft-solder flux for chemical surfaced zinc, titan zinc, old zinc, nickel and other metals that are difficult to solder - a brush to apply the solder-flux is already incorporated in the lid - container with a very large seat area for not tipping over - content 320 ml - 12 pc. per packing unit in display box

Part no.	Description	Information / use	kg/unit
502/01/06	3.2.2.A (F-SW 11)	Chemical surfaced zinc, titan-zinc, hard oxidised zinc	3.95

# ACCESSORIES • Solder wires, bars, fluxes



## PERKEO Soft soldering fluxes according to DIN EN 29454.1

Liquid - soft soldering fluxes with different corrosive properties - can not be used for drinking water installations - in bottles

Part no.	Description	Information / use	kg/bottle
502/01/01	3.1.1.A (F-SW 12)	Iron, steel, co, br, lead, tinplate	1.00
502/01/02	3.2.2.A (F-SW 11)	Heavily oxidized titanium zinc, zinc sheet, fine zinc	1.00
502/01/03	3.1.1.A (F-SW 21)	Co+co, co+br	1.00
502/01/04	3.2.1.A (F-SW 11)	Stainless steel	1.00
502/01/07	3.2.2.A (F-SW 11)	Chemical surfaced zinc, titan-zinc, hard oxidised zinc	1.00



## PERKEO Soft soldering flux according to DIN EN 29454.1

Liquid - soft soldering flux for iron, steel, tinplate, copper (co) and brass (br), especially suited for soft soldering of copper pipes with copper, red brass and brass fittings in drinking water and heating installations up to 110°C according to DVGW work sheet GW 7 - with RAL seal of approval issued by the German "Gütegemeinschaft Kupferrohr e.V.", the flux rests are soluble in cold water and can be removed by rinsing - DVGW-tested - in bottles

Part no.	Description	Information / use	kg/bottle
502/01/10	3.1.1.A (F-SW 21)	Co+co, co+br / general	0.25



## PERKEO Soldering oils according to DIN EN 29454.1

Liquid - soft soldering fluxes with different corrosive properties - can not be used for drinking water installations - in bottles

Part no.	Description	Information / use	kg/bottle
502/01/20	3.2.2.A (F-SW 11)	Steel, stainless steel	0.50
502/01/21	3.1.1.C (F-SW 21)	Lead tubes, lead sheets	0.50



## PERKEO Soft soldering and tinning pastes according to DIN EN 29453, soft soldering fluxes according to DIN EN 29454.1, 3.1.1.C

Paste - for general purpose soft soldering and tinning applications involving iron, steel, tinplate, copper (co) and brass (br) - metal 60 - 70% - metal paste ready for use - can not be used for drinking water installations - in boxes

Part no.	Description	Melting range	Information / use	kg/box
502/01/30	S-Pb60Sn40 (F-SW 21)	183-235°C	General	1.00
502/01/31	S-Pb74Sn25Sb1 (F-SW 21)	186-260°C	Car bodies / general	1.00



**PERKEO Soft soldering and tinning pastes for fittings according to DIN EN 29453, soft soldering fluxes according to DIN EN 29454.1, 3.1.1.C**

Paste - for general purpose soft soldering and tinning applications involving iron, steel, tinplate, copper (co) and brass (br), especially suited for soft soldering of copper pipes with copper, red brass and brass fittings in drinking water and heating installations up to 110°C according to DVGW work sheet GW 7 - with RAL seal of approval issued by the German "Gütegemeinschaft Kupferrohr e.V.", the flux rests are soluble in cold water and can be removed by rinsing - lead-free - metal 60 - 70% - metal paste ready for use - DVGW-tested - in bottles

Part no.	Description	Melting range	Information / use	kg/bottle
502/01/40	S-Sn97Cu3 (F-SW 21)	230-250°C	Co+co, co+br / general	0.25
502/01/41	S-Sn97Ag3 (F-SW 21)	221-240°C	Co+co, co+br / general	0.25



**PERKEO Soldering greases according to DIN EN 29454.1**

Grease - for general purpose soft soldering and tinning applications involving iron, steel, tinplate, copper (co) and brass (br) - especially suited for copper and brass soldering applications - can not be used for drinking water installations - in boxes

Part no.	Description	Information / use	kg/box
519/01/01	3.1.1.C (F-SW 21)	Co+co, co+br / general	0.02
519/01/02	3.1.1.C (F-SW 21)	Co+co, co+br / general	0.05
519/01/03	3.1.1.C (F-SW 21)	Co+co, co+br / general	0.10
519/01/04	3.1.1.C (F-SW 21)	Co+co, co+br / general	0.25



**PERKEO Soldering liquid bottle EASY**

**It couldn't be simpler!**

The PERKEO EASY soldering fluid bottle with a capacity of 250 ml is guaranteed leak-proof and refillable. A real alternative to disposable products!

Leak-proof soldering fluid bottles are familiar. This novel flask has been further developed. The soldering fluid brush integrated into the neck of the bottle allows the soldering fluid to be accurately dispensed via the special heat and acid resistant brush by lightly squeezing the bottle, thereby enabling simple one-handed operation. It couldn't be easier – try it for yourself!

In comparison to the usual disposable bottles, you can refill the EASY soldering fluid bottle time and again. That means that the flask must only be bought once! So you save hard cash in the long term.



Part no.	kg	mm
427/P	0.08	75x40x192

# ACCESSORIES • Soldering accessories



## PERKEO Bottle for acid and soldering liquid

Made of unbreakable synthetic material - capacity 150 ml

Part no.	Version	Color	kg	mm
427/L	Soldering liquid bottle	yellow	0.04	63x63x91
427/S	Acid bottle	blue	0.04	63x63x91



## PERKEO Bottle for acid and soldering liquid with tip-over stop system

Including a tip-over stop system - made of unbreakable synthetic material - capacity 150 ml



Part no.	Version	Color	kg	mm
427/L/AS	Soldering liquid bottle	yellow	0.04	63x63x91
427/S/AS	Acid bottle	blue	0.04	63x63x91



## PERKEO Brush for soldering liquid and acid

Flexible wire handle with double fixing ring to prevent bristles from falling off

Part no.	kg	mm
426/1	0.01	180x40x7



## PERKEO Brush for soldering liquid and acid

Brush with sheet-steel handle - fat-containing, extremely long-lived china bristles

Part no.	kg	mm
426/2	0.01	134x12x5

# ACCESSORIES • Soldering accessories



## PERKEO Soldering stones

New

Pressed soldering stones for cleaning the copper bits - available in two different size - individually packed in PE-foil

Part no.	kg	mm
429/01	0.08	66x45x20
429/02	0.16	66x45x40



## PERKEO Ammoniac stone in a can

New

Ammoniac stone in a can for cleaning the copper pieces - the ammoniac stone melts on contact with the hot copper piece, no more rubbing back and forth required!

Part no.	kg	mm
429/03	0.15	Ø 75x20



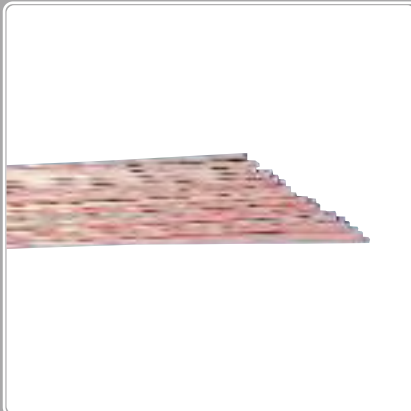
## PERKEO Tin-ammoniac stone in a can

New

Tin-ammoniac stone in a can for cleaning and pre-tinning the copper pieces in a single working process - the tin-ammoniac stone melts on contact with the hot copper piece, no more rubbing back and forth required!

Part no.	kg	mm
429/04	0.15	Ø 75x20

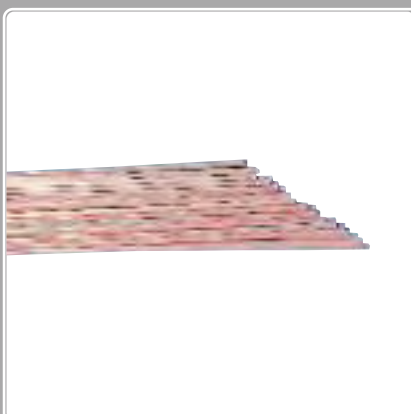
# ACCESSORIES • Brazing alloys, fluxes



## PERKEO Copper brazing alloy with 6% phosphorus according to DIN EN 1044, CUP 203

Copper brazing alloy for brazing copper (co) to copper without the use of flux - permissible for refrigeration and air-conditioning technology down to -20°C - suitable for oil, gas and liquid gas installations as well as heating and drinking water installations with pipe dimensions > 28 x 1.5 mm according to DVGW working sheet GW7 - flux is used for brazing copper to brass (br) and copper to red brass - creep-resistant up to 200°C - capillary active and good gap-filling properties - not suited for iron, steel, nickel and alloys thereof - square bars 2.0 x 500 mm length

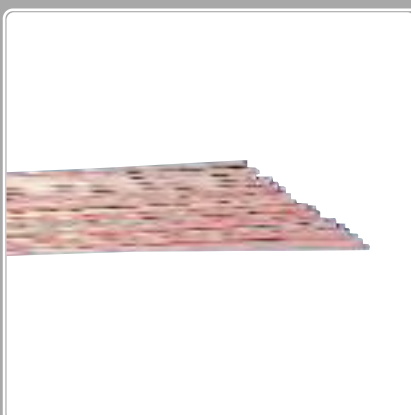
Part no.	Description	Information / use	Melting range	Working temp.	kg/ carton box
558/3/01	B-Cu94P (L-CuP6, DIN 8513)	Co+co without flux	710 - 880°C	730°C	1.00
		Co+br, co+red br with flux 531/01/01 or 531/01/10			



## PERKEO Copper brazing alloy with 2% silver and 6% phosphorus according to DIN EN 1044, CP 105

Silver-containing copper brazing alloy for brazing copper (co) to copper without the use of flux - permissible for refrigeration and air-conditioning technology down to -20°C - suitable for oil, gas and liquid gas installations as well as heating and drinking water installations with pipe dimensions > 28 x 1.5 mm according to DVGW working sheet GW7 - flux is used for brazing copper to brass (br) and copper to red brass - creep-resistant up to 200°C - capillary active and good gap-filling properties - not suited for iron, steel, nickel and alloys thereof - square bars 2.0 x 500 mm length

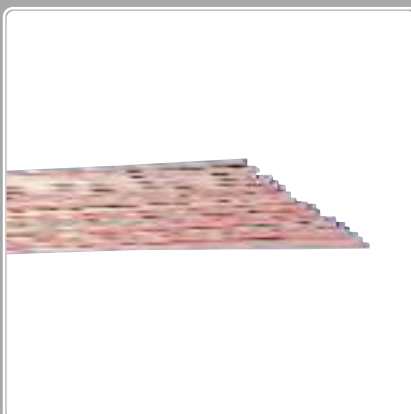
Part no.	Description	Information / use	Melting range	Working temp.	kg/ carton box
558/3	B-Cu89PAg (L-Ag2P, DIN 8513)	Co+co without flux	650 - 850°C	710°C	1.00
		Co+br, co+red br with flux 531/01/01 or 531/01/10			



## PERKEO Copper brazing alloy with 5% silver and 6% phosphorus according to DIN EN 1044, CP 104

Silver-containing copper brazing alloy for brazing copper (co) to copper without the use of flux - permissible for refrigeration and air-conditioning technology down to -40°C - suitable for oil, gas and liquid gas installations as well as heating and drinking water installations with pipe dimensions > 28 x 1.5 mm according to DVGW working sheet GW7 - flux is used for brazing copper to brass (br) and copper to red brass - creep-resistant up to 200°C - capillary active and good gap-filling properties with high ductility - not suited for iron, steel, nickel and alloys thereof - square bars 2.0 x 500 mm length

Part no.	Description	Information / use	Melting range	Working temp.	kg/ carton box
558/3/02	B-Cu89PAg (L-Ag5P, DIN 8513)	Co+co without flux	650 - 810°C	710°C	1.00
		Co+br, co+red br with flux 531/01/01 or 531/01/10			



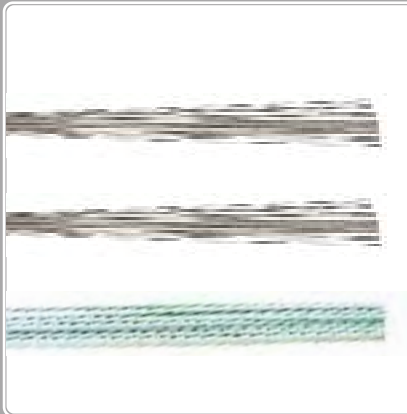
## PERKEO Copper brazing alloy with 15% silver and 5% phosphorus according to DIN EN 1044, CP 102

Silver-containing copper brazing alloy for brazing copper (co) to copper without the use of flux - permissible for refrigeration and air-conditioning technology down to -70°C - suitable for oil, gas and liquid gas installations as well as heating and drinking water installations with pipe dimensions > 28 x 1.5 mm according to DVGW working sheet GW7 - flux is used for brazing copper to brass (br) and copper to red brass - creep-resistant up to 200°C - capillary active and highly fluid with high ductility - not suited for iron, steel, nickel and alloys thereof - square bars 2.0 x 500 mm length

Part no.	Description	Information / use	Melting range	Working temp.	kg/ carton box
558/3/03	B-Cu80PAg (L-Ag15P, DIN 8513)	Co+co without flux	650 - 800°C	710°C	1.00
		Co+br, co+red br with flux 531/01/01 or 531/01/10			



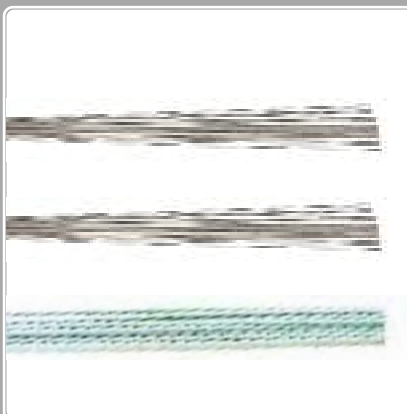
# ACCESSORIES • Brazing alloys, fluxes



## PERKEO Silver brazing alloys with 30% silver, containing cadmium, according to DIN EN 1044, flux-coated according to DIN EN 1045 FH 10, Ag 306

Cadmium-containing silver brazing alloys with 30% silver - bare or flux-coated - brazing paste 531/01/01 or brazing powder 531/01/10 have to be employed with bare rods - universal use - very good flow and gap-filling properties - very good gap bridging with extremely high ductility - can not be used for drinking water installations - creep-resistant up to 200°C - round rods, length 500 mm

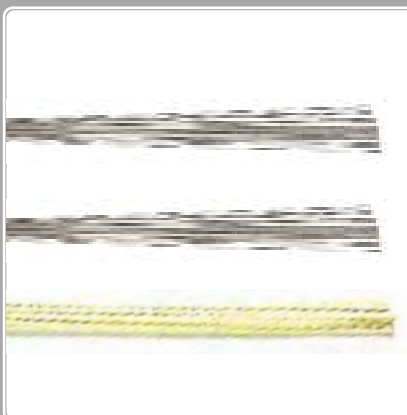
Part no.	Version	mm-rod	Description	Information / use	Melting range	Working temp.	kg/carton/box
560/1,5	bare	Ø 1.5	B-Ag30CuCdZn-600/690 (L-Ag30Cd, DIN 8513)	Steel, malleable cast iron, co, red br, br, copper and nickel alloys	600 - 690°C	680°C	0.10
560/2	bare	Ø 2					
560/2/01	coated	Ø 2					



## PERKEO Silver brazing alloys with 40% silver, containing cadmium, according to DIN EN 1044, flux-coated according to DIN EN 1045 FH 10, Ag 304

Cadmium-containing silver brazing alloys with 40% silver - bare or flux-coated - brazing paste 531/01/01 or brazing powder 531/01/10 have to be employed with bare rods - universal use - very good flow properties - low melting point with very high capillary action and extremely high ductility - can not be used for drinking water installations - creep-resistant up to 200°C - round rods, length 500 mm

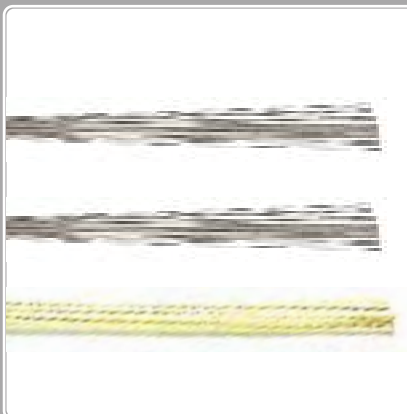
Part no.	Version	mm-rod	Description	Information / use	Melting range	Working temp.	kg/carton/box
560/4/1,5	bare	Ø 1.5	B-Ag40ZnCdCu-595/630 (L-Ag40Cd, DIN 8513)	Steel, malleable cast steel, co, red br, br, copper and nickel alloys	595 - 630°C	610°C	0.10
560/4/2	bare	Ø 2					
560/4/2/01	coated	Ø 2					



## PERKEO Silver brazing alloys with 34% silver, cadmium-free, according to DIN EN 1044, flux-coated according to DIN EN 1045 FH 10, Ag 106

Cadmium-free silver brazing alloys with 34% silver - bare or flux-coated - brazing paste 531/01/01 or brazing powder 531/01/10 have to be employed with bare rods - permissible for refrigeration and air-conditioning technology down to -200°C - universal use, also for drinking water installations - very good flow properties - capillary active and highly fluid - creep-resistant up to 200°C - round rods, length 500 mm

Part no.	Version	mm-rod	Description	Information / use	Melting range	Working temp.	kg/carton/box
560/01/01	bare	Ø 1.5	B-Cu36AgZnSn-630/730 (L-Ag34Sn, DIN 8513)	Steel, malleable cast steel, co, red br, br, copper and nickel alloys	630 - 730°C	710°C	0.10
560/01/02	bare	Ø 2					
560/01/03	coated	Ø 2					



## PERKEO Silver brazing alloys with 45% silver, cadmium-free, according to DIN EN 1044, flux-coated according to DIN EN 1045 FH 10, Ag 104

Cadmium-free silver brazing alloys with 45% silver - bare or flux-coated - brazing paste 531/01/01 or brazing powder 531/01/10 have to be employed with bare rods - permissible for refrigeration and air-conditioning technology down to -200°C - universal use, also for drinking water installations - sea water resistant - very good flow properties - capillary active and highly fluid - creep-resistant up to 200°C - round rods, length 500 mm

Part no.	Version	mm-rod	Description	Information / use	Melting range	Working temp.	kg/carton/box
560/02/01	bare	Ø 1.5	B-Ag45CuZnAgSn-640/680 (L-Ag45Sn, DIN 8513)	Steel, malleable cast steel, co, red br, br, copper and nickel alloys	640 - 680°C	670°C	0.10
560/02/02	bare	Ø 2					
560/02/03	coated	Ø 2					

# ACCESSORIES • Brazing alloys, fluxes



## PERKEO Brass brazing rods according to DIN EN 1044, flux-coated according to DIN EN 1045 FH 21, CU 303

Brass brazing rods - bare, flux-cored or flux-coated - brazing paste 531/01/01 or brazing powder 531/01/10 have to be employed with bare rods - universal use, e.g. for gap soldering and braze welding on tubular steel structures and in car body production - bare rods  $\varnothing$  2.0 x 1000 mm, cored and coated rods  $\varnothing$  2.5 x 500 mm

Part no.	Version	Description	Information / use	Melting range	Working temp.	kg/ carton box
551/01/01	bare	B-Cu60Zn(Si)(Mn) (L-CuZn40, DIN 8513)	Co, nickel, steel welding: br, bronze	890 - 900°C	900°C	1.00
551	cored					
551/01/02	coated					



## PERKEO Special brass (German silver) brazing rods according to DIN EN 1044, flux-coated according to DIN EN 1045 FH 21, CU 306

Special brass brazing rods with better flow properties - bare, flux-cored or flux-coated - brazing paste 531/01/01 or brazing powder 531/01/10 have to be employed with bare rods - universal use, e.g. for gap soldering and braze welding of galvanized tubular steel structures and in car body production - bare rods  $\varnothing$  2.0 x 1000 mm, cored/twisted and coated rods  $\varnothing$  2.5 x 500 mm

Part no.	Version	Description	Information / use	Melting range	Working temp.	kg/ carton box
551/01/03	bare	B-Cu59ZnSn(Ni)(Mn)(Si) (L-CuZn39Sn, DIN 8513)	Co, nickel, zinc plated sheet steel welding: br, bronze	890 - 900°C	900°C	1.00
551/01/04	cored					
551/01/05	coated					



## PERKEO KARDASCH strip according to DIN EN 1044

1 pc. brass brazing strip - with extra flux - for brazing of bandsaws and for applying hard metal alloys

Part no.	Description	Information / use	Melting range	Working temp.	kg	mm
553	B-Cu60Zn(Si)(Mn) (L-CuZn40, DIN 8513)	Co, nickel, steel	890 - 900°C	900°C	0.01	8x0.3x1500



## PERKEO Brazing paste for silver-containing brazing alloys according to DIN EN 1045

Paste - brazing paste for silver-containing brazing alloys - especially suited for brazing copper (co) to brass (br) and copper to red brass in drinking water and heating installations up to 110°C according to DVGW work sheet GW 7 - the flux rests are soluble in cold water and can be removed by rinsing - in boxes

Part no.	Description	Temperature range	Information / use	kg/box
531/01/01	FH 10 (F-SH1)	550-800°C	Co+co, co+br / general	0.25

# ACCESSORIES • Brazing alloys, fluxes



## PERKEO Brazing powder for silver-containing brazing alloys according to DIN EN 1045

Powder - brazing powder for silver-containing brazing alloys - the flux rests have to be removed carefully - in boxes

Part no.	Description	Temperature range	Information / use	kg/box
531/01/10	FH 10 (F-SH 1)	550-800°C	General	0.25



## PERKEO Brazing paste for brass brazing alloys according to DIN EN 1045

Paste - brazing paste for brazing of copper (co), nickel, steel, galvanized sheet steel and for welding of brass (br) and red brass - in boxes

Part no.	Description	Temperature range	Information / use	kg/box
514/01/01	FH 21 (F-SH 2)	750-1100°C	Co, nickel, zinc plated sheet steel <u>welding:</u> br, bronze	0.25



## PERKEO Brazing powder for brass brazing alloys according to DIN EN 1045

Brazing powder for brazing of copper (co), nickel, steel, galvanized sheet steel and for welding of brass (br) and red brass - in boxes

Part no.	Description	Temperature range	Information / use	kg/box
514/01/10	FH 21 (F-SH 2)	750-1100°C	Co, nickel, zinc plated sheet steel <u>welding:</u> br, bronze	0.25

# ACCESSORIES • Welding rods



## PERKEO Oxy-gas welding rods according to DIN EN 12536

Welding rod for gas welding - round rods, length 1000 mm

Part no.	mm-rod	Description	Information / use	kg/ carton/box
540/1,5	Ø 1.5	0 2	Steel sheets and pipes	5.00
540/2	Ø 2	0 2	Steel sheets and pipes	5.00
540/3	Ø 3	0 2	Steel sheets and pipes	5.00
540/4	Ø 4	0 2	Steel sheets and pipes	5.00



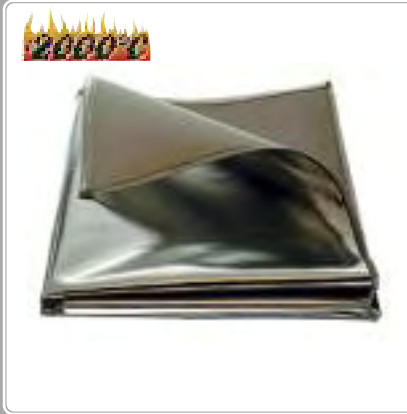
## PERKEO ALU-WELD aluminum welding set



Aluminum welding rod range for welding aluminum without flux with a simple propane flame - tensile strengths values of min. 345 N/mm<sup>2</sup> - also suitable for welding aluminum alloys, magnesium alloys, zinc casting alloys - set includes 10 pc. aluminum welding rods (5 units Ø 2x25 mm and 5 units Ø 4x25 mm), 1 pc. brush for cleaning, 1 pc. stainless steel wire, 1 pc. operating instructions

Part no.	mm-rod	Information / use	kg
540/01	Ø 2/4	Aluminum, magnesium, zinc diecasting	0.15

# ACCESSORIES • Heat protection



## PERKEO Heat protection covers up to 2000°C

Asbestos-free protection mats for protection against flames and heat - flexible - long-lived - different designs

Part no.	Protection up to	Construction	kg	mm
430/03/04	2000°C	1-Layer	0.50	240x250
430/03/01	2000°C	3-Layer w. aluminum layer	0.22	300x500
430/03/02	2000°C	3-Layer w. aluminum layer	0.30	500x500
430/03/03	2000°C	3-Layer w. aluminum layer	1.20	1000x1000



## PERKEO FLAMMSTOP heat protection cover up to 3000°C

Top-quality asbestos-free protection mats for protection against flames and heat - flexible - long-lived



Part no.	Protection up to	Construction	kg	mm
430/03/10	3000°C	4-Layer w. aluminum layer	0.22	200x250



## PERKEO Heat protection covers up to 3000°C

Standard asbestos-free protection mats for protection against flames and heat - flexible - 3 pc. per packing unit



Part no.	Protection up to	Construction	kg/unit	mm
430/03/11	3000°C	2-Layer w. aluminum layer	0.12	200x290



## PERKEO Heat protection paste

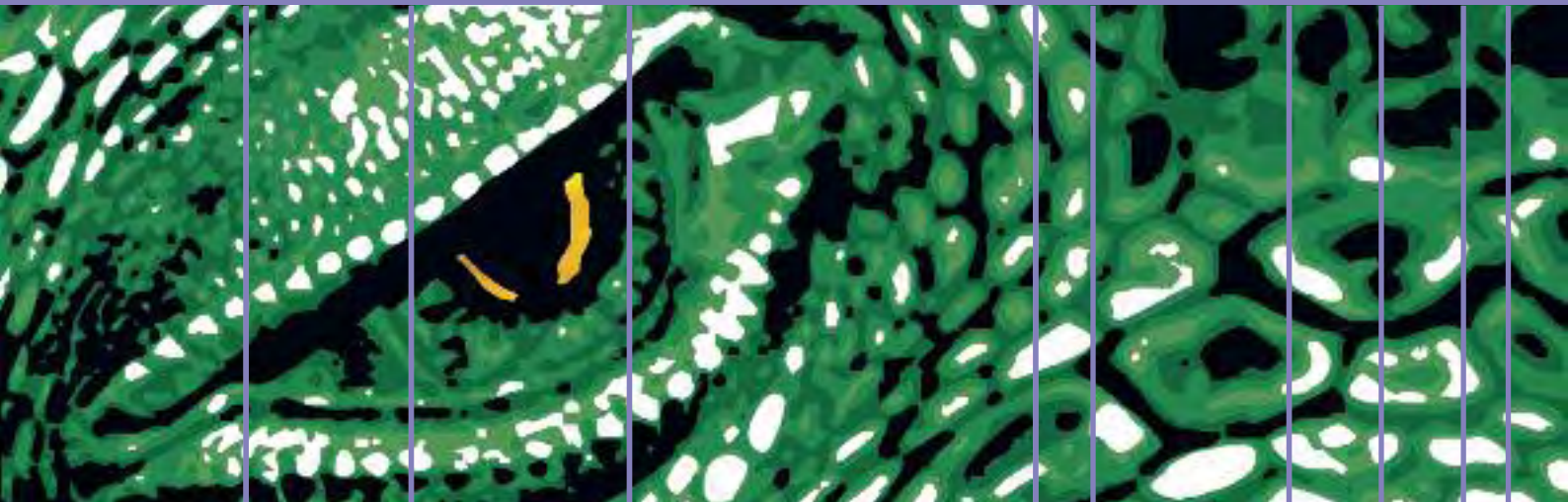
Manually mouldable paste designed to divert the heat and protect all heat-sensitive materials while brazing and soldering with temperatures of up to 3000°C - sold in tubes



Part no.	Contents	kg	mm
430/03/50	280 g	0.30	235x75x50



- Refrigeration and air-conditioning technology
- Roofers
- Plumbers
- Tanners
- Heating installers
- Sanitary installers
- Vocational training schools
- Modelers
- Garages



**Tube expander**

**Flaring tools**

**Tube benders**

**Thread sealant**

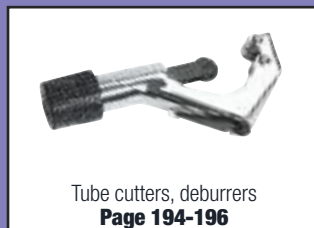
**Leak detectors**



Tube expanders, flaring tools  
**Page 192-193**



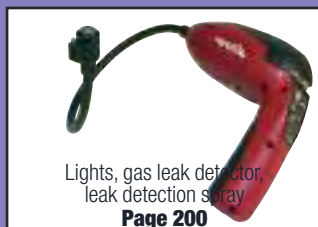
Tube benders  
**Page 193-194**



Tube cutters, deburrers  
**Page 194-196**



Thread sealants, lubricants  
**Page 197-199**



Lights, gas leak detector,  
leak detection spray  
**Page 200**

# TUBING TOOLS • Tube expanders, flaring tools



## PERKEO Tube expander sets



Durable forged steel tube expander designed to expand copper, aluminum and soft metal tubes for the efficient manufacture of standardised FPT's (Female national Pipe Thread) - complete sets incl. 1 pc. tube expander, 6 pc. expander head replacements as well as 1 pc. internal and external deburrer - in sheet steel cases

Part no.	Tube-Ø mm/inches	kg	mm
467/01/1001	10 - 12 - 16 - 18 - 22 - 28 mm	3.75	440x200x60
467/01/1000	10 - 12 - 15 - 16 - 18 - 22 mm	3.75	440x200x60
467/01/2000	3/8" - 1/2" - 5/8" - 3/4" - 7/8" - 1"	3.75	440x200x60



## PERKEO Riveted expander heads



Expander head replacements designed to expand copper, aluminum and soft metal tubes with tube diameters of up to 42 mm / 1".

Part no.	Tube-Ø mm	Part no.	Tube-Ø inches	kg	mm
467/01/1010	10 mm	467/01/2050	3/8"	0.12	Ø 45x43
467/01/1012	12 mm	467/01/2051	1/2"	0.13	Ø 45x43
467/01/1015	15 mm	467/01/2052	5/8"	0.13	Ø 45x43
467/01/1016	16 mm	467/01/2053	3/4"	0.14	Ø 45x43
467/01/1018	18 mm	467/01/2054	7/8"	0.14	Ø 45x43
467/01/1022	22 mm	467/01/2055	1"	0.15	Ø 45x43
467/01/1028	28 mm			0.40	Ø 60x43
467/01/1035	35 mm			0.45	Ø 60x43
467/01/1042	42 mm			0.45	Ø 60x43



## PERKEO Flaring and swaging kits



Flaring and swaging tools used to manufacture 45° flares and to expand copper, aluminum and soft metal tubes for the efficient manufacture of standardised FPT's (Female national Pipe Thread) - complete kits in sturdy plastic cases

Part no.	Tube-Ø mm/inches	kg	mm
467/02/1000	<b>Flaring tube:</b> 4 - 6 - 8 - 10 - 12 - 14 - 15 - 16 - 22 mm <b>Swaging tube:</b> 4 - 6 - 8 - 10 - 12 - 16 - 22 mm	1.95	330x140x40
467/02/2000	<b>Flaring tube:</b> 1/8" - 3/16" - 1/4" - 5/16" - 3/8" - 7/16" - 1/2" - 5/8" - 3/4" <b>Swaging tube:</b> 1/8" - 3/16" - 1/4" - 5/16" - 3/8" - 1/2" - 5/8" - 3/4"	1.95	330x140x40



## PERKEO Eccentric flaring tools



Durable flaring tools with eccentric cone and sliding clutch designed for the controlled manufacture of 45° flares without fractures - suitable for copper, brass, aluminum and soft metal tubes

Part no.	Tube-Ø mm/inches	kg	mm
467/02/1001	6 - 8 - 10 - 12 - 15 - 18 mm	1.75	220x150x45
467/02/2001	1/4" - 5/16" - 3/8" - 1/2" - 5/8" - 3/4"	1.75	220x150x45





## PERKEO Flaring tools

New

Standard flaring tools designed to manufacture 45° flares for copper, brass, aluminum and soft metal tubes

Part no.	Tube-Ø mm/inches	kg	mm
467/02/1002	6 - 8 - 10 - 12 - 15 - 16 mm	1.00	220x150x35
467/02/2002	3/16" - 1/4" - 5/16" - 3/8" - 1/2" - 5/8"	1.00	220x150x35



## PERKEO Universal flaring tool

New

Flaring tool designed for mm and inch tubes used to manufacture 45° flares for copper, brass, aluminum and soft metal tubes

Part no.	Tube-Ø mm/inches	kg	mm
467/02/1003	5 - 16 mm 3/16" - 5/8"	0.95	220x150x35



## PERKEO Flaring tool sets

New

Eccentric flaring tools with sliding clutch designed for the controlled manufacture of flares without fractures for copper, brass, aluminum and soft metal tubes - with 1 pc. telescopic tube cutter as well as 1 pc. internal and external deburrer - in sturdy plastic cases

Part no.	Tube-Ø mm/inches	kg	mm
467/02/1004	Flaring: 6 - 8 - 10 - 12 - 15 - 18 mm Cutting: 4 to 28 mm	2.55	350x220x75
467/02/2004	Flaring: 1/4" - 5/16" - 3/8" - 1/2" - 5/8" - 3/4" Cutting: 1/8" to 1.1/8"	2.55	350x220x75



## PERKEO One-hand tube bender set - METRIC

New

One-hand tube bender with ratchet feed and 7 pc. bending segments designed for the dimensionally accurate bending of copper, brass, aluminium and soft metal tubes with sizes of up to 22 mm - complete set for mm tubes - in sturdy plastic case

Part no.	Tube-Ø mm	kg	mm
467/03/1000	8 - 10 - 12 - 14 - 16 - 18 - 22 mm	3.45	460x245x78



**PERKEO One-hand tube bender set - INCH**



One-hand tube bender with ratchet feed and 5 pc. bending segments designed for the dimensionally accurate bending of copper, brass, aluminum and soft metal tubes with sizes of up to 7/8" - complete set for inch tubes - including 1 pc. telescopic tube cutter as well as 1 pc. internal and external deburrer - in sturdy plastic case

Part no.	Tube-Ø inches	kg	mm
467/03/2000	3/8" - 1/2" - 5/8" - 3/4" - 7/8"	3.10	460x245x78



**PERKEO Universal tube bender**



Compact tube bender with a long lever and 45° - 90° - 135° - 180° bending radius display - designed for the dimensionally accurate bending of mm and inch copper, brass, aluminum and soft metal tubes with three different tube dimensions each

Part no.	Tube-Ø mm/inches	kg	mm
467/03/1001	6 - 8 - 10 mm 1/4" - 5/16" - 3/8"	0.35	270x70x70



**PERKEO Tube benders**



Durable tube benders with a long lever and 45° - 90° - 135° - 180° bending radius display - designed for the dimensionally accurate bending of copper, brass, aluminum and soft metal tubes.

Part no.	Tube-Ø mm	Radius mm	Part no.	Tube-Ø inches	Radius inches	kg	mm
467/03/1006	6 mm	14 mm	467/03/2050	1/4"	9/16"	0.50	270x70x70
467/03/1008	8 mm	17 mm	467/03/2051	5/16"	11/16"	0.50	270x70x70
467/03/1010	10 mm	24 mm	467/03/2052	3/8"	15/16"	1.55	480x125x125
467/03/1012	12 mm	38 mm	467/03/2053	1/2"	1 1/2"	1.55	480x125x125
			467/03/2054	5/8"	2 1/4"	2.40	750x150x150
467/03/1016	16 mm	57 mm	467/03/2055	3/4"	3"	2.65	800x165x165



**PERKEO Telescopic tube cutters**



Telescopic tube cutters designed for the accurate cutting of copper, brass, aluminum and soft metal tubes - includes 1 pc. internal foldout deburrer and 1 pc. integrated replacement cutting wheel

Part no.	Item	Tube-Ø mm/inches	kg	mm
467/04/1000	Tube cutter	3 - 28 mm 1/8" - 1.1/8"	0.25	120x65x35
467/04/1001	Tube cutter	3 - 40 mm 1/8" - 1.5/8"	0.30	160x65x35
467/04/5000	Spare cutting wheel	3 - 28 mm 1/8" - 1.1/8"	0.01	Ø45x43
467/04/5001	Spare cutting wheel	3 - 40 mm 1/8" - 1.5/8"	0.01	Ø45x43

# TUBING TOOLS • Tube cutters, deburrers



## PERKEO Mini tube cutter

New

Sturdy mini tube cutter designed for the accurate cutting of copper, brass, aluminum and soft metal tubes in difficult to reach locations - small yet handy design.

Part no.	Item	Tube-Ø mm/inches	kg	mm
467/04/1002	Tube cutter	3 - 15 mm 1/8" - 5/8"	0.1	40x50x25
467/04/5002	Spare cutting wheel	3 - 15 mm 1/8" - 5/8"	0.01	Ø 45x43



## PERKEO Capillary tube cutter

New

Tube cutter for any type of capillary tubes

Part no.	Item	kg	mm
467/04/1004		0.1	145x60x15



## PERKEO Universal deburrer

New

Durable universal deburrer with soft anti-skid plastic handle and exchangeable blade designed for easy and quick deburring of tubes, sheet metal and edges - the case can hold up to 4 pc. replacement blades

Part no.	Item	kg	mm
467/04/2001	Soft anti-skid plastic handle deburrer	0.05	Ø 30x150
467/04/2004	Spare blade	0.01	48x10x2



## PERKEO Universal deburrer

New

Universal deburrer in sturdy steel guide with exchange blade designed for easy and quick deburring of tubes, sheet metal and edges

Part no.	Item	kg	mm
467/04/2003	Heavy-duty steel deburrer	0.05	Ø20x150
467/04/2004	Spare blade	0.01	48x10x2

# TUBING TOOLS • Tube cutters, deburrers



## PERKEO Universal internal and external reamer

New

Easy and quick reaming of tubes with diameters of up to 28 mm

Part no.	Tube-Ø mm/inches	kg	mm
467/04/2000	10 - 28 mm 1/8" - 5/8"	0.25	Ø50x55



## PERKEO Fitting brush for inside and outside

New

Fitting brush with sturdy stainless steel bristles used to clean the inside and outside of tubes and fittings

Part no.	Tube-Ø mm/inches	kg	mm
467/04/2002	12 - 18 mm 1/2"-3/4"	0.1	205x50x30



## PERKEO Cleaning fleeces

New

Cleaning fleece for quick cleaning of soldering spots without scratching - metal-free - 10 units per package

Part no.	kg	mm
430/01/01	0.15	60x130x100



## PERKEO Brushes for fittings

New

Stainless steel brushes for the insides of pipes in different sizes

Art.-Nr.	For pipe diameter mm	For pipe diameter inches	kg	mm
430/02/01	Ø 10	Ø 3/8"	0.18	150x30x20
430/02/02	Ø 12	Ø 1/2"	0.18	150x30x20
430/02/03	Ø 15	Ø 5/8"	0.19	150x30x20
430/02/04	Ø 18	Ø 3/4"	0.19	150x30x20
430/02/05	Ø 22	Ø 7/8"	0.20	150x30x22
430/02/06	Ø 28	Ø 1"	0.20	150x30x28

# TUBING TOOLS • Thread sealants, lubricants



## PERKEO WEICON thread sealants



Anaerobic sealant for metal threaded joints - can be used for gas, water (hot and cold water, drinking water) and industrial pipe system up to diameter 3" / M80 - Contents 50 ml

Part no.	Version	Pressure range	Registration	Temp. range	kg	mm
430/04/16	Strong - hard to remove	no limit	DVGW+KTW	-60°C to 150°C	0.10	55x25x115
430/04/17	Strong - hard to remove	no limit/ oxygen max. 10 bar	BAM-tested	-60°C to 150°C	0.10	55x25x115



## PERKEO PTFE thread sealing tapes according to DIN EN 751-3



Sealing tape for metal threaded joints - can be used for gas, water (hot and cold water, drinking water) and industrial pipe system - width 12 mm, length 12 m, thickness 0,1 mm - DVGW-tested

Part no.	Version	Pressure range	Temp. range	Density	kg	mm
430/04/01	GRp Coarse thread	170 bar / gas+oxygen max. 7 bar	-240°C to 260°C	100 g/m <sup>2</sup>	0.04	Ø 60x20
430/04/02	FRp Fine thread	20 bar / gas max. 5 bar	-60°C to 260°C	60 g/m <sup>2</sup>	0.04	Ø 60x20



## PERKEO LOCTITE 55 thread sealing cords according to DIN EN 30660



Sealing cord for metal and plastic threaded joints - can be used for gas, water (hot and cold water, drinking water) and industrial pipe system up to diameter 6" - DVGW-tested, KTW-recommendation

Part no.	Version	Pressure range	Temp. range	kg	mm
430/04/03	50 m	700 bar / gas max. 20 bar	-54°C to 149°C	0.05	Ø 55x105
430/04/04	150 m	700 bar / gas max. 20 bar	-54°C to 149°C	0,08	Ø 55x105



## PERKEO MAZZONI flax



Finest heckled Italian sealing flax in a braid for metal threads with gas and water installations (hot and cold water, drinking water) - silky soft and very fine quality - 200g braid

Part no.	kg	mm
430/04/05	0.20	300x110x85



## PERKEO Silken hemp

New

Finest heckled Italian sealing hemp in a braid for metal threads with gas and water installations (hot and cold water, drinking water) - silky soft and very fine quality - 200 g braid

Part no.	kg	mm
430/04/06	0.20	300x110x85



## PERKEO Hemp

New

Finest heckled Italian sealing hemp wound on a roll for metal threads with gas and water installations (hot and cold water, drinking water) - 80 g roll

Part no.	kg	mm
430/04/07	0.01	Ø 50x100



## PERKEO Hemp dispenser

New

Metal hemp dispenser for sealing hemp on a roll (80 g roll)

Part no.	kg	mm
430/04/08	0.01	Ø 60x120



## PERKEO Hemp

New

Finest heckled Italian sealing hemp wound on a ball for metal threads with gas and water installations (hot and cold water, drinking water) - 100 g ball

Part no.	kg	mm
430/04/09	0.10	Ø 90x110



## PERKEO Sealing compound for hemp+flax

New

Sealing compound for metal threaded joints for use in combination with hemp or flax - can be used for gas, water (hot and cold water, drinking water) and industrial pipe system - nontoxic - available in tubes or pots

Part no.	Packaging	Contents	kg	mm
430/04/10	Tube	200 g	0.25	190x60x50
430/04/11	Pot	150 g	0.17	Ø 85x60
430/04/12	Pot	300 g	0,32	Ø 110x70



## PERKEO Lubricant

New

Lubricant for plastic pipes with connecting sleeves - reflects the KTW recommendations of the Federal Office for Health - in tubes

Part no.	Contents	kg	mm
430/04/13	250 g	0.27	Ø 50x210
430/04/14	500 g	0.52	Ø 85x250



## PERKEO Lubricant

New

Lubricant for plastic pipes with connecting sleeves - very good lubricating effect - biodegradable - reflects the KTW recommendations of the Federal Office for Health - in practical dosing bottles - contents 500 ml

Part no.	Contents	kg	mm
430/04/15	500 ml	0.51	Ø 60x210



**PERKEO LED battery-operated work lights**

*New*

Battery-operated work lights with extremely bright light thanks to LED technology - with 60 installed LEDs, the flash lights feature high light efficiency with low power consumption - the model with spots (467/11/1011) comprises an additional 21 UV LEDs suitable for the detection of leaks - lighting duration: 5 h - charging duration: 6-7 h - shock-proof case with suspending hook - on/off switch on anti-skid handle - rechargeable via 230 V power supply or 12 V cigarette lighter - splash-proof and oil-resistant - incl. power supply and car charger

Part no.	Version	kg	mm
<b>467/11/1010</b>	without UV LED spotlight	0.76	620x75x55
<b>467/11/1011</b>	with UV LED spotlight	0.65	490x140x95



**PERKEO Gas leak detector**

*New*

Ergonomic gas leak detector with 6 adjustable sensitivity levels designed for quickly determining leaks in gas lines and gas in rooms - the 420 mm long and flexible gooseneck with illuminated sensor tip is perfect for determining leaks in difficult to reach locations - suitable for almost all combustible gases - optical and acoustic alarm - includes 230 V/12 V charging cable

Data set ready time:	25 seconds	Accuracy:	50-1000 ppm
Operating temperature:	0°C to 52°C	Battery life:	8h
Power:	Rechargeable nicad battery		



Part no.	kg	mm
<b>467/05/1000</b>	1.65	370x235x120



**PERKEO Leak detection spray**

*New*

Quick and reliable detection of leaks in refrigeration and air conditioning systems as well as gas lines using a foaming spray - non-flammable - non-corrosive - CFC-free and non-toxic

Part no.	Temperature range	Contents	kg	mm
<b>467/05/2000</b>	-6°C to 97°C	400 ml	0.40	Ø 60x250





# Terms and Conditions, Imprint

## General sales conditions of Perkeo-Werk GMBH+CO. KG

### § 1 General

Our terms and conditions shall apply exclusively; we shall not acknowledge any conditions to the contrary or conditions of the Purchaser that deviate from our terms and conditions unless explicitly agreed on by us in writing. Our terms and conditions shall also apply in the event of our carrying out delivery to the Purchaser unconditionally, in the knowledge of conflicting terms and conditions of the Purchaser or conditions that deviate from our terms and conditions.

All agreements made between us and the Purchaser for the purpose of executing this contract are set down in writing in this contact.

Our terms and conditions shall only apply to companies in compliance with § 310 Clause 1 of the German Civil Code (BGB).

German law shall apply exclusively, UN law on the international sales of goods is ruled out.

### § 2 Offer

In the event of our receiving an order that can be defined as an offer with the meaning pursuant to § 145 of the German Civil Code (BGB), we can accept it within 2 weeks.

Our offers are without engagement unless otherwise specified in the order confirmation. The documents belonging to the offer may vary with regards to the illustrations, drawings, weights and measures, for example, unless it is explicitly specified that the documents are binding.

We reserve the right to alterations in the design and shape of our goods during the delivery period in as far as these are due to legal or technical developments and are reasonable for the buyer.

We reserve ownership and copyrights to illustrations, drawings, calculations and other documents. This also applies to such written documents designated as "confidential". Our explicit approval in writing is required prior to disclosure of such documents to third parties by the Purchaser.

### § 3 Delivery, delay in delivery

The start of the delivery time specified by us presupposes that all technical issues have been clarified.

The observance of our supply commitment also presupposes the punctual and orderly fulfillment of obligations on behalf of the Purchaser. The defense of non-performance of the contract remains reserved.

In the event of the Purchaser failing to accept the delivery or culpably infringing upon other obligations to cooperate, we shall be entitled to demand replacement of the loss suffered by us in this respect, including any extra expenses. We reserve the right to further claims.

Provided the requirements of Clause (3) have been met, the risk of accidental loss or accidental deterioration of the item being purchased shall pass to the Purchaser at the point in time in which the Purchaser has failed to take delivery or meet his obligations as debtor.

We shall be liable pursuant to the statutory provisions providing the underlying contract of sale is a transaction for delivery by a fixed date as defined in § 286 Clause 2 No. 4 of the German Civil Code (BGB) or § 376 of the German Commercial Code (HGB). We shall also be liable pursuant to the statutory provisions in the event that the Purchaser is entitled to enforce his wish to withdraw from the contract based on a failure to deliver for which we are responsible.

We shall furthermore be liable pursuant to the statutory provisions in the event that the delay in delivery is based on a breach of contract through willful or gross negligence on our behalf; a fault attributable to our representative or vicarious agent shall be attributed to us. In the event that the delay in delivery is not based on a willful breach of contract attributable to us, our liability for damages shall be restricted to the foreseeable, typical damage incurred.

We shall also be liable pursuant to the statutory provisions in the event that the delay in delivery for which we are responsible is based on a culpable breach of a major contractual obligation; in this case the liability for damages shall, however, be restricted to the foreseeable, typical damage incurred.

In other respects we shall also be liable in the event of delay in delivery for every full week of delay, within the framework of a lump sum compensation for damage incurred by delay, amounting to 3% of the declared value of goods to be delivered, a maximum, however, amounting to not more than 15% of the value of goods.

Additional legal claims and rights of the Purchaser shall remain reserved.

### § 4 Passing of risk

Unless otherwise specified in the confirmation of order, the delivery shall be "ex works".

Transportation packaging and all other packaging subject to the packaging order shall not be returnable; with the exception of pallets. The Purchaser is committed to dispose of the packaging at his own expense.

If so requested by the Purchaser, we shall cover the delivery with a transportation insurance; the Purchaser shall bear the costs for this insurance.

In the event of the Purchaser asking for the delivered goods to be stored by a third party, the Purchaser shall bear the occurring costs in this respect, the risk shall be passed to the Purchaser at the latest upon delivery of the goods to the third party. Any earlier passing of risk in compliance with Clause (1) shall remain unaffected.

### § 5 Prices and payment conditions

Unless otherwise specified in the order confirmation our prices shall apply "ex works", not including packaging; this will be charged for separately.

The statutory value added tax is not included in our prices; it shall be shown in the bill separately in the statutory amount on the day of billing.

The deduction of any discount shall require a specific written agreement.

Unless otherwise specified in the order confirmation, the net purchase price is payable (without deduction) within 30 days of the date on the invoice. Statutory regulations shall apply with respect to consequences resulting from delay in payment.

The Purchaser is only entitled to set-off rights in the event that his cross-claims are legally binding, uncontested or acknowledged by us. He is furthermore entitled to make use of a right of retention providing his cross claim is based on the same existing contractual relationship.

### § 6 Warrantee for defects

Claims of the Purchaser arising from defects require that the Purchaser correctly meets his obligation to inspect and give notification of any defect in accordance with § 377 of the German Commercial Code (HGB).

In the event of the item purchased showing a defect, the Purchaser is entitled to request subsequent performance in the form of removal of the defect or to request the delivery of a new satisfactory item. In the event of removal of the fault we shall be obliged to bear all expenses for the removal of the fault, especially costs of transportation, traveling expenses, work and material costs in as far as these are not increased through the item of purchase having been transported to a different place than the place of performance.

Should subsequent performance not be achieved, the Purchaser is entitled to either withdraw from the contract or to request a reduction.

We shall be liable pursuant to the statutory provisions in the event that the Purchaser claims for damages that may be caused by intentional or gross negligence, including intentional or gross negligence of our representatives or vicarious agents. In the event that we are not accused of intentional breach of obligations of the contract, the damage liability shall be restricted to the foreseeable, typical damage incurred.

We shall be liable pursuant to the statutory provisions in the event that we are culpable for non-observance of a major obligation of the contract; in this case the damage liability shall, however, be restricted to the foreseeable, typical damage incurred.

In the event of the Purchaser being entitled to claim for replacement of the loss and not for performance, our liability shall also be restricted to the claims in compliance with the above Clause (3) for replacement of the foreseeable, typical damage incurred.

Nothing shall affect the liability for culpable injury to life, the human body or health; this also applies to the obligatory liability in compliance with the product liability act.

Unless otherwise regulated hereinbefore, liability is excluded.

The limitation period for claims relating to defects is 12 months as from the passing of risk.

Nothing shall affect the limitation period in the event of a delivery recourse pursuant to §§ 478, 479 of the German Civil Code (BGB); this period is 5 years, calculated from the delivery of the defective item.

### § 7 Overall liability

Liability exceeding the scope specified in § 6 shall be ruled out – irrespective of the legal nature of the asserted claim. This applies in particular to any such claims for damages as may be based on culpa in contrahendo, on any other form of neglect of duty or on claims in tort for damage to property pursuant to § 823 of the German Civil Code (BGB).

In the event that our liability for damage is excluded or restricted, this shall also apply with respect to the personal damage liability of our employees, cooperators, representatives and vicarious agents.

### § 8 Reservation of title

We reserve the title to the item being delivered up until receipt of all payments from the delivery contract. In the event of the Purchaser not acting in conformity with the contract, especially with respect to the delay of payment, we shall be entitled to take back the delivered goods. Our taking back of the delivered goods shall not be seen as withdrawal from the contract, unless this is specifically expressed by us in writing. The seizure of the delivered goods through us shall always be seen as a withdrawal from the contract. After taking back the delivered goods we shall be entitled to exploit the goods, the sales from exploitation shall be appropriated to the payables of the Purchaser – deducting appropriate expenses for the exploitation.

The Purchaser shall be committed to treat the item of delivery with care, he is especially committed to provide at his own expense replacement value insurance for the item against damage from fire, water and theft. In the event that maintenance and inspection work should be necessary, the Purchaser must carry out this work in due time at his own expense.

In the event of seizure of the item of delivery or in the event of other forms of access through third parties, the Purchaser shall inform us immediately in writing in order for us to be able to file a suit pursuant to § 771 of the German Code of Civil Procedure (ZPO). In the event of the third party not being able to repay us the legal expenses and extrajudicial costs of a suit pursuant to § 771 of the German Code of Civil Procedure (ZPO), the Purchaser shall be liable for the loss we have suffered.

The Purchaser is entitled to sell on the item of delivery in the orderly course of business; at this moment, however, he shall assign all claims to us in the amount of the final total of the invoice (including value added tax) that he accrues from selling the item to his customer or third party, and irrespective of whether the item of delivery has been sold on without or after further processing. The Purchaser shall remain entitled to collect this sum due, also after assigning of the debt. The foregoing shall have no effect on our right to collect the sum due ourselves.

We shall commit ourselves, however, not to collect the sum due as long as the Purchaser meets his payment obligations from proceeds received, does not get into arrears and, in particular, a petition to commence insolvency proceedings has not been filed and no suspension of payments has occurred. Should this be the case, however, we shall be able to demand that the Purchaser shall give notice to us on assigned debts and debtors, shall disclose all information required for the collection, shall surrender all documents and notify the debtors (third parties) on the assignment of debt.

The processing or shaping of the item of delivery through the Purchaser shall always be carried out to our benefit. Should the item of delivery be processed together with other items not belonging to us, we shall then acquire co-ownership of the new item in the proportion of the value of the item of delivery (invoice final total, including value added tax) to the other processed items at the time of the processing. With regard to the item resulting from the processing the same shall apply as does to the item delivered subject to reservation.

In the event that the item of delivery is combined with other items not belonging to us in a non-separable manner, we shall then acquire co-ownership to this new item in the proportion of the value of the item of delivery (invoice final total including value-added tax) to the other combined items at the time of the combination process. In the event that the combination be such that the item of the Purchaser shall be considered the main item, it shall be considered as agreed that the Purchaser shall assign us proportional co-ownership. The Purchaser shall keep safe the exclusive ownership or co-ownership resulting therefrom for us.

The Purchaser shall also assign us those claims which arise against a third party through the embedding of the item of delivery in a property, as security for our claims against him.

We commit ourselves to release the securities due to us upon request of the Purchaser in the event of the realizable value of our securities exceeding the claims to be secured by more than 10 %; the choice of securities to be released shall remain with us.

### § 9 Place of performance – place of jurisdiction

In the event that the Purchaser is a merchant, our place of residence is the place of jurisdiction; we shall however also be entitled to file a suit against the Purchaser at his place of jurisdiction. Unless otherwise specified in the confirmation of order, our place of residence is the place of performance.

## Impressum

In the course of technical progress and the adjustment to the requirements of our customers, illustrations, compositions, performance data, properties, dimensions and weights of products are non-binding and subject to change without notice. We are not committed to make corresponding alterations to products already delivered. We also reserve the right to remove articles from our product range.

All previous catalogs shall become void with the publication of this catalog. Specifications of standards are non-binding.



*GLAUBEN SIE  
AN DRACHEN ...!?*

**PERKEO®** 

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