

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

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

Alphabetical index of products

A	Page
Acetylene brazing devices and equipment	144-151
Acetylene Bunsen burners	150
Acetylene cylinder connecting hoses	133
Acetylene generators	151
Acetylene handles	142, 144, 148
Acetylene hoses	104-105, 149
Acetylene mouth-operated soldering guns	150
Acetylene piezo handles	148
Acetylene piezo torch attachments	148
Acetylene regulators	112, 115
Acetylene soldering equipment	142-151
Acetylene tinning torch attachments	145, 148
Acetylene torch attachments	144-145, 148
Acid bottles	70, 181-182
Adaptors	41, 68, 133, 146, 158
Adaptors for nitrogen regulator	110
AGROFIX soldering flux	179
Air hoses	105
Aluminum gaskets for regulators	118
Aluminium welding set ALU-WELD	188
Angle torches KLEIN RISTA	92
Angle torches RISTA	99
Angle valves	61, 121
Argon hoses	see nitrogen hoses
Argon regulators	112, 115

B	Page
Backpack frames	126-127
Band saw solder	186
Bar soldering tin	179
Battery-operated work lights	200
Bender tools for tubes	193-194
Bow-shaped gas lighter	136
Braid for desoldering old soldering points	177
Branding stamps	75
Brass brazing alloys	186
Brazing alloys	184-186
Brazing and soldering outfits and equipment	
acetylene	146-147
hydrogen	171
natural gas-compressed air	165-166
oxy-gas	84-90, 96-97, 103
propane	25-27, 29-30, 32-33, 36, 39
propane-compressed air	78-80
propane piezo	29-30, 36, 39
Brazing attachments	
acetylene	144-145, 148
acetylene piezo	148
hydrogen	170-171
natural gas piezo	160
natural gas-compressed air	165-166
oxy-gas	92, 98-99, 103
propane	17, 19, 23-24, 31-32, 38-39
propane compressed air	78-79
propane piezo	38-39

Brazing equipment	
ECONOMY	85
MAXI ECO	84
MINI ECO	84
OXY-M 3000	84
portable and wheeled	84-89, 147
SOLDERING BACKPACK	85
Brazing outfits and equipment	
acetylene	146-147
hydrogen	171
natural gas	160
natural gas piezo	160
natural gas-compressed air	165-167
oxy-gas	84-90, 96-97, 103
propane	32-33, 36, 39
propane piezo	36, 39
propane-compressed air	78-80
Brazing paste	186-187
Brazing powder	187
Brazing rods	184-186
Bristle burn-off torch	43, 79-80, 166-167
Brushes for tubes	196
Bunsen burner hoses for natural gas	163
Bunsen burner hoses for propane	74
Bunsen burners	
acetylene	150
natural gas	162
propane	73
Burn-off equipment	35, 42-47

C	Page
Capillary tube cutter	195
Carbon dioxide regulators	112, 115
Carbide	151
Cartridge brazing torches	34-36
Cartridge soldering irons	28-29
Cartridge valve	68, 114
Cartridges piercing	37
Cartridges M-gas	28, 37
Cartridges MINI	28, 37
Cartridges oxygen	123
Cartridges propane	28, 37
Cartridges set	28
Cartridges	28, 37
Circle-cutting attachments	99
Cleaning fleeces	196
CO ₂ regulator	see argon regulator
Compressed air hoses	105
Compressed air regulators	113, 116
Connecting nipples	51-54, 107-110, 133
Connecting tubes - natural gas	158
Connecting tubes - propane	42
Cooker, cooker burner - natural gas	164
Cooker, cooker burner - propane	76

Copper bits for	
acetylene soldering irons	142-143
all soldering irons	18, 29, 142-143, 155
natural gas soldering irons	155
piezo soldering irons	29
propane soldering irons	18, 29
Copper bits ZINNLUX-LONGLIFE for	
acetylene soldering irons	143
all soldering irons	18, 29, 143, 155
natural gas soldering irons	155
piezo soldering irons	29
propane soldering irons	18, 29
Copper brazing alloy	184
Copper phosphorus brazing alloys	184
Copper tips	93-94, 100-101, 103, 139
Copper welding wire	188
Couplings QUICKY	64, 132
Cutters for tubes	194-195
Cutting attachments	
KLEIN RISTA	91
MEGA 2000	139
RISTA	97-98
Cutting equipment - portable and wheeled	138-139
Cutting tips	
KLEIN RISTA	93
MEGA 2000	139
RISTA	100
Cylinder cabinets	67
Cylinder couplings	64, 68, 132-133
Cylinder regulators	
for all gases	56-58, 112-114
propane	56-58, 113-114
Cylinder systems propane	67-68
Cylinder trolleys	63, 66-67, 127-131
Cylinder valves	65-66, 124-125
Cylinder wall fixing units	129

D	Page
Deburrer for tubes	195-196
Decanting adaptors	63-64, 131-132
Decanting loops	133
DELUX 90 heavy-duty soldering irons	16
Desoldering braids	177
Detection spray for determining leaks	
in gas lines	200
Detectors for determining leaks in gas lines	200
Dispenser for hemp roll	198
Double head torch	46-47
Double hose clips	107
Double hose packages	103, 106
Double manifold valves	133
Double-thread nipples	53, 109-110

Alphabetical index of products

E	Page
EASY soldering liquid bottle	70, 181
ECONOMY brazing outfit	85
Electric soldering iron	176
Electric soldering station	176
Explosion protection safety devices	
for all gases	119-120
natural gas	120, 161, 167
natural gas-compressed air	120, 167
propane	59-60, 119-120
Expander for tubes	192-193
Expander heads	192

F	Page
FIXI electric soldering iron	176
Flame flash-back arrestors	
for all gases	119-120
natural gas	120, 161, 167
natural gas-compressed air	120, 167
propane	59-60, 119-120
Flame protection mats	189
FLAMMSTOP heat protection cover	189
Flaring tools for tubes	192-193
Flash-back arrestors	
for all gases	119-120
natural gas	120, 161, 167
natural gas-compressed air	120, 167
propane	59-60, 119-120
Flax	197
Flints for gas lighters	69, 136
Flux for soldering AGROFIX	179
Flux for soldering UNIGEL	179
Fluxes for brazing	186-187
Fluxes for soldering	179-181
Footstands for soldering irons	19, 65, 143, 156
Footstands for torch tubes	43
Frame for torch cutting equipment	
for emergencies	127

G	Page
GALAXY GUN electric soldering iron	176
GALAXY PEN electric soldering iron	176
Gas arrestors	
for all gases	119-120
natural gas	120, 161, 167
natural gas-compressed air	120, 167
propane	59-60, 119-120
Gas cartridge valve	68, 114
Gas cooker	see cooker
Gas cylinder cabinet	67
Gas cylinder wall fixing units	129
Gas cylinders	65, 123-124
Gas economizers	80, 122, 167

Gas heating device	77
Gas hoses	50-51, 60, 74, 103-106, 133, 149, 161, 163
Gas leak detectors	200
Gas lighters	69, 136
Gas tips – propane	20, 22, 30
Gaskets for regulators	118
Gaskets for torch attachments KLEIN RISTA	95
Gaskets for torch attachments RISTA	102
Gas-leak and hose-failure safety devices	59, 119
Gauges	117-118
Gauges – hoop guards	118
Gauges – rubber protection covers	118
Generators for acetylene	151
Goggles	134
Grips	
acetylene	142, 144, 148
acetylene piezo	148
hydrogen	170
natural gas	154, 157, 160
natural gas piezo	160
natural gas-compressed air	165-166
oxy-gas	90, 97, 103, 139
propane	16-17, 21, 23, 28-29, 31, 35, 38, 41, 48-49, 75
propane-compressed air	78-79
propane piezo	28-29, 35, 38, 49
Gun-shaped gas lighters	69, 136

H	Page
Hand welding mirror	135
Handles	
acetylene	142, 144, 148
acetylene piezo	148
hydrogen	170
natural gas	154, 157, 160
natural gas-compressed air	165-166
natural gas piezo	160
oxy-gas	90, 97, 103, 139
propane	16-17, 21, 23, 28-29, 31, 35, 38, 41, 48-49, 75
propane compressed air	78-79
propane piezo	28-29, 35, 38, 49
Heads for expander tools	192
Heat protection covers	189
Heat shrink torches	48-49
Heating tips	93, 100
Heating torches	
natural gas	158-160
natural gas-compressed air	165-167
propane	24, 41-47
propane-compressed air	78-80
Heavy-duty soldering irons DELUX 90	16

Heavy-duty soldering irons	
acetylene	142
natural gas	154
propane	16-17
torches natural gas	155
torches propane	17, 19
Heavy-duty soldering irons	
replacement parts propane	19-22
Heavy-duty torches	42-47
Hemp	198
Hemp dispender	198
High-pressure hoses	50-51, 104-105
Hoop guards for gauges	118
Hoop guards for valves	66, 125
Hose clamps	51, 107
Hose connectors and couplings	51-54, 107-110, 133
Hose couplers	55, 111
Hose packages	103, 106
Hose reel	106
Hose sets	103, 106
Hose splices	53, 109
Hose-failure safety device	59, 119
Hoses	
acetylene	104-105, 149
compressed air	105
for roofing torches	50-51
natural gas	161, 163
nitrogen	105-106
oxygen	104-105
propane	50-51, 60, 68, 104, 133
Hydrogen brazing systems and equipment	171
Hydrogen cylinder connecting hoses	133
Hydrogen handles	170
Hydrogen mouth-operated soldering guns	172
Hydrogen regulators	114
Hydrogen torch attachments	170-171

I	Page
Infrared radiator	77

K	Page
KLEIN-RISTA	78, 90-95, 165

L	Page
Lenses for safety goggles	134
Leak detection spray	200
Leak detectors	200
Lights	200
Lighters	69, 136

Alphabetical index of products

Light-weight steel cylinders	65, 123-124
Liquid gas cylinder cabinets	67
Liquid gas heating devices	77
LOCTITE 55 sealing compound	199
Low-pressure regulating systems	67-68
Low-pressure regulator	58
Lubricant	199

M **Page**

Magnetic welding mirror	135
Manifolds, valve manifolds	42, 61-62, 121-122, 133, 159
M-gas	
cartridge brazing torches	34-36
cycle brazing torches	34-36
piezo cartridge brazing torches	34-36
piezo cartridge soldering iron	28
professional brazing set I and II	36
replacement cartridges	28, 37
MAXI ECO brazing outfit	84
MAZZONI Flax	197
MEGA 2000 cutting attachments	139
MINI ECO brazing outfit	84
MINI M-gas cycle cartridge brazing torch	35
MINI M-gas cartridge brazing torches	34-35
Medium-pressure regulator	
for propane	56-58, 113-114, 116
Micro soldering and brazing equipment	103
MIKRO RISTA	103
Mirrors	135
Mouth-operated soldering guns and accessories for	
acetylene	150
hydrogen	172
natural gas	164
propane	76
Multi-flame torch tips	94, 101
Multi-flame torches	92, 99

N **Page**

Natural gas arrestors	120, 161, 167
Natural gas Bunsen burners	162
Natural gas cooker and cooker burner	164
Natural gas handles	154, 157, 160
Natural gas hoses	161, 163
Natural gas mouth-operated soldering guns	164
Natural gas soldering equipment	154-156
Natural gas torch attachments	155, 158-160, 163
Natural gas compressed air arrestors	120, 167
Natural gas compressed air devices	
and equipment	165-167
Natural gas compressed air	
soldering attachments	165

Natural gas compressed air	
torch attachments	165-166
Natural gas compressed air torch handles	165-166
Needle valves	61-62, 121-122
Nickel silver brazing alloys	186
Nipples	54, 109-110
Nitrogen decanting and cylinder	
connecting loops	133
Nitrogen hoses	105-106
Nitrogen regulators	113, 116

O **Page**

On-site cylinders	65, 123-124
On-site welding, cutting and brazing devices	
and equipment	84-89, 147, 138-139
Outfits and equipment	
acetylene	146-147
hydrogen	171
natural gas-compressed air	165-167
oxy-gas	90, 96-97, 103
propane	25-27, 29-30, 32-33, 36, 39, 44-47, 49
propane-compressed air	78-80
Outlet control panels	116
Outlet regulators - propane	58, 116
Outlet regulators for all gases	115-116
Oxy-gas	
cylinder trolleys and stands	126-130
hoses	104-106
welding rods	188
welding, cutting and brazing devices	
and equipment	84-103, 138-139
Oxygen cylinders	123
Oxygen decanting and cylinder	
connecting loop	133
Oxygen hoses	104-105
Oxygen regulators	112, 115
OXY-M 3000 brazing outfit	84

P **Page**

P1 roofing torches	44-45
Pastes for	
brazing and soldering	180-181, 186-187
Pastes for heat protection	189
Pastes for sealing	199
Piercing cartridges	37
Piezo brazing and soldering systems	29-30, 36, 39
Piezo cartridge brazing torches	34-36
Piezo cartridge soldering irons	28-29
Piezo copper bits	29
Piezo flame spreader torch	38-39
Piezo heat shrink torch and system	49
Piezo ignition replacement part	40
Piezo soldering irons	28-29

Piezo soldering systems	29-30
Piezo torch attachments	
acetylene	148
natural gas	160
propane	38-39
Piezo ZINNLUX-LONGLIFE copper bits	29
Pipe brushes	196
Pipeline regulators	115-116
Pipe-welding and brazing attachments	
KLEIN RISTA	92
replacement parts KLEIN RISTA	94
replacement parts RISTA	101
RISTA	99
Portable torch cutting equipment	138
Portable welding, cutting and brazing devices	
and equipment	84-88, 138, 147
Pressure reducers	
for all types of gases	56-58, 112-116
propane	56-58, 113-114, 116
Propane branch pieces	42, 61-62, 121-122, 133
Propane branding stamp	75
Propane brazing and soldering outfits	
and equipment	25-27, 29-30, 32-33, 36, 39
Propane brazing attachments	31-32, 38-39
Propane brazing outfits	
and equipment	32-33, 36, 39
Propane bristle burn-off torches	43
Propane cylinder cabinet	67
Propane cylinder couplings	68, 133
Propane cylinder systems	67-68
Propane cylinders	65, 124
Propane decanting adaptor	63-64, 131-132
Propane decanting station / system	63, 131
Propane handles	16-17, 21, 23, 28-29, 31, 35, 38, 41, 49-49, 75
Propane heat shrink torches	48-49
Propane heating torches	41-47
Propane heavy-duty soldering irons	16-17
Propane heavy-duty soldering irons	
handles	17, 21, 75
replacement parts	19-22
Propane heavy-duty torches	42-47
Propane hose-failure safety device	59, 119
Propane hoses	50-51, 60, 68, 104, 133
Propane piezo brazing and soldering outfits	
and equipment	29-30, 36, 39
Propane piezo brazing attachments	38-39
Propane piezo cartridge brazing torches	34-36
Propane piezo cartridge soldering irons	28
Propane piezo flame spreader torch	38-39
Propane piezo soldering irons	28-29
Propane piezo soldering outfits and	
equipment	29-30
Propane piezo torches	38-39
Propane pressure reducers/	
pressure regulators	56-58, 113-114, 116
Propane radiant heater	77

Alphabetical index of products

Propane regulators	56-58, 113-114, 116
Propane roofing torche M2 TURBO	46
Propan roofing torche TITAN	45-46
Propane roofing torches	41-47
Propane roofing torches P1	44-45
Propane small-size cylinders	65, 124
Propane small-size regulators	56, 114
Propane soldering attachments	17, 23-24, 31, 38-39
Propane soldering irons	16-17, 28-29
Propane soldering irons replacement parts	19-22, 30, 40
Propan soldering lamps	35
Propane soldering outfits and equipment	25-30
Propane steel cylinder trolleys	66-67, 130
Propane steel cylinders	65, 124
Propane torche M2 TURBO	46
Propane torche connecting tubes	42
Propane torches	41-47
Propan torche M2 TURBO	46
Propane torche P1	44-45
Propan torche TITAN	45-46
Propane wide-mouth torch	43
Propane-compressed air devices and equipment	78-80
Propane-compressed air gas economizer	80
Propane-compressed air handles	78-79
Propane-compressed air soldering guns	80
Propane-compressed air torch attachments	78-79

Q Page

Quick-release coupling QUICKY	64, 132
Quick-release couplings	55, 64, 111, 132
QUICKY propane refill set	64, 132

R Page

Radiant heater	77
Reducing nipples	54, 109-110
Refill decanting adaptor for propane	63-64, 131-132
Refill decanting loop for oxygen	133
Refill quick-release coupling QUICKY	64, 132
Refill set QUICKY	64, 132
Regulators for all gases	56-58, 112-116
Regulators for propane	56-58, 113-114, 116
Replacement cartridges M-gas	28, 37
MINI	28, 37
oxygen	123
propane	28, 37
set	28
Replacement cartridges	28, 37
RISTA	79-80, 96-102, 166-167

Rods for welding	188
Rods for welding aluminium	188
Roofing torches	41-47
Roofing torche M2 TURBO	46
Roofing torche P1	44-45
Roofing torche TITAN	45-46
Rubber protection covers	118

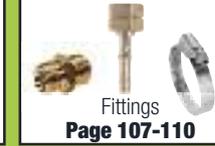
S Page

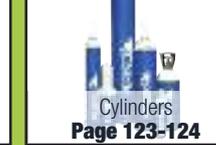
Safeguard for propane cylinders	67, 130
Safety devices natural gas	120, 161, 167
natural gas-compressed air	120, 167
propane	59-60, 119-120
for all gases	119-120
Safety goggles	134
Sealant for tubes and threads	197-199
Sealing compound	199
Sealing flax	197
Sealing hemp	198
Sheet steel boxes – propane	72
Sheet steel boxes oxy-gas	130, 137
Sheet steel cases	137
Silver brazing alloys	185
Small-size cylinder valves propane	65-66, 125
Small-size cylinder valves oxygen	124
Small-size cylinders propane	65, 124
Small-size regulators	56, 114
Small-size welding and brazing devices and equipment	103
Soft soldering and tinning pastes	180-181
Soft soldering attachments natural gas	155
natural gas-compressed air	165
propane-compressed air	78
Soft soldering fluxes	179-181
Soft soldering irons DELUXE 90	16
Soft soldering irons acetylene	142-143
natural gas	154-155
propane	16-17, 28-29
propane piezo	28-29
Soft soldering outfits and equipment propane	25-30
propane piezo	29-30
Soft solders	177-179
Solder sucker	177
Soldering attachments acetylene	144-145, 148
acetylene piezo	148
hydrogen	170-171
natural gas piezo	160
natural gas-compressed air	165-166
oxy-gas	92, 98-99, 103
propane	17, 19, 23-24, 31-32, 38-39
propane compressed air	78-79
propane piezo	38-39

SOLDERING BACKPACK	85
SOLDERING BACKPACK - frame	126
Soldering equipment - portable and wheeled	84-89
Soldering fluid brush	71, 182
Soldering flux	179-181
Soldering flux AGROFIX	179
Soldering flux UNIGEL	179
Soldering greases	181
Soldering guns acetylene	146, 150
natural gas	164
natural gas-compressed air	167
propane	76
propane-compressed air	80
Soldering iron holder with mixing chamber	20
Soldering irons acetylene	142-143
electric	176
handles natural gas	154
handles propane	17, 21
natural gas	154-155
propane	16-18, 28-29
replacement parts propane	19-22, 30, 40
Soldering lamps	35
Soldering liquid	179-180
Soldering liquid bottles	70, 181-182
Soldering oils	180
Soldering outfits and equipment acetylene	146-147
hydrogen	171
natural gas-compressed air	165-167
natural gas piezo	160
oxy-gas	84-90, 96-97, 103
propane	25-27, 29-30, 32-33, 36, 39
propane compressed air	78-80
propane piezo	29-30, 36, 39
Soldering pastes	180-181, 186-187
Soldering station	176
Soldering stones	71-72, 183
Soldering tin	177-179
Soldering wires	177-178
Solders	177-179, 184-186
Spray for leak detection	200
Replacement cartridges	28, 37
Replacement lenses for safety goggles	134
Replacement piezo-ignition device	40
Replacement plates for welding mirrors	135
Special brass brazing alloys	186
Spring hose reel	103
Steel cylinder - wall fastening brackets	129
Steel cylinder trolleys	66-67, 127-130
Steel cylinders	65, 123-124
Sucker for removing old soldering points	177
Suspension hooks	19, 65, 143, 156

 Soldering tools Page 16-30	 Brazing tools Page 31-40	 Roofing and heating tools Page 41-47	 Heat shrinking tools Page 48-49	 Hoses, fittings, quick-release couplings Page 50-55	 Regulators, safety devices Page 56-60
---	--	--	--	--	---

 Valves, manifolds Page 61-62	 Decanting adaptors, decanting couplings Page 63-64	 Cylinders, valves, transport, cabinets Page 65-67	 Accessories Page 67-72	 Special burners Page 73-77	 Propane-compressed air tools Page 78-80
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 Brazing equipment Page 84-87	 Welding equipment Page 88-89	 Welding, brazing, cutting outfits Page 90-103	 Hoses Page 104-107	 Fittings Page 107-110	 Quick-release couplings Page 111
---	--	--	---	---	--

 Regulators Page 112-116	 Gauges, accessories for regulators Page 117-118	 Safety devices Page 119-120	 Valves, manifolds Page 121-122	 Gas economizers Page 122	 Cylinders Page 123-124
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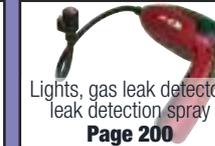
 Cylinder valves valve protection devices Page 124-125	 Cylinder frames cylinder trolleys Page 126-130	 Decanting adaptors+couplings, cylinder connectors Page 131-133	 Safety goggles Page 134	 Accessories Page 135-137	 Torch cutting equipment for emergencies Page 138-139
--	--	--	---	---	--

 Soldering tools Page 142-143	 Brazing tools Page 144-148	 Hoses Page 149	 Bunsen burners Page 150	 Mouth-operated soldering guns Page 150	 Acetylene developer Page 151
---	--	--	--	---	--

 Soldering tools Page 154-156	 Heating tools, brazing tools Page 157-160	 Hoses, safety devices Page 161	 Bunsen burners Page 162-163	 Cookers, mouth-operated soldering guns Page 164	 Natural gas- compressed air tools Page 165-167
---	--	--	--	--	---

 Brazing tools Page 170-171	 Mouth-operated soldering guns Page 172
---	---

 Electric soldering irons Page 176-177	 Solder wires, bars, fluxes Page 177-181	 Soldering accessories Page 181-183	 Brazing alloys, fluxes Page 184-187	 Welding rods Page 188	 Heat protection Page 189
--	---	--	--	---	--

 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
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PROPANE

OXY-GAS

ACETYLENE

NATURAL GAS

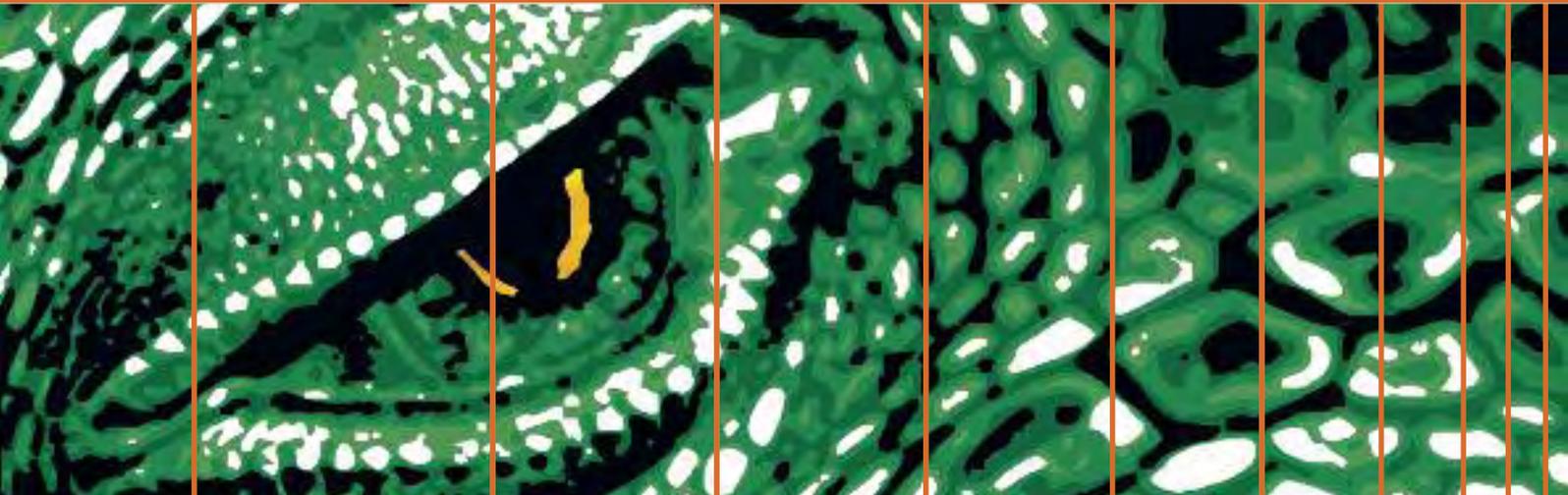
HYDROGEN

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
Page 50-54



Quick-release couplings
Page 55



Regulators
Page 56-58



Safety devices,
gas-leak safety devices
Page 59-60



Valves, manifolds
Page 61-62



Decanting adaptors,
decanting couplings
Page 63-64



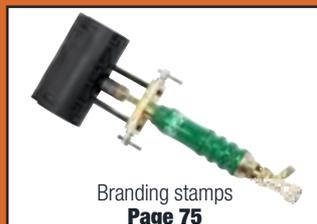
Cylinders, valves,
transport, cabinets
Page 65-67



Accessories
Page 67-72



Bunsen burners
Page 73-74



Branding stamps
Page 75



Cookers, mouth-operated
soldering guns, radiant heaters
Page 76-77



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.	ZINNLUX-LONGLIFE	KJ/h	KW	g/h at 1.5 bar	kg	mm
• M10x1 LH	• G3/8" LH						
782/9/T	782/9/3/T	Hammer form	6026	1.67	130	1.03	330x100x36
783/9/T	783/9/3/T	Point form	6026	1.67	130	1.03	420x67x36
784/9/T	784/9/3/T	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.	Copper bit	KJ/h	KW	g/h at 1.5 bar	kg	mm
• M10x1 LH	• G3/8" LH						
782/T	782/3/T	Hammer form	6026	1.67	130	0.99	330x100x36
783/T	783/3/T	Point form	6026	1.67	130	0.99	420x67x36
784/T/208/5	784/3/T/208/5	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						
782/Z/T	782/3/Z/T	Hammer form	6026	1.67	130	0.99	330x100x36
783/Z/T	783/3/Z/T	Point form	6026	1.67	130	0.99	420x67x36
784/T/208/5/Z	784/3/T/208/5/Z	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					
784/T	784/3/T	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		
782/0/T	782/0/3/T	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
782/1	Hammer form	6026	1.67	130	0.52	134x100x22
782/2	Point form	6026	1.67	130	0.53	217x61x22
782/2/0/208/5	Cranked hammer form	6026	1.67	130	0.52	1153x105x27
782/2/0	without	6026	1.67	130	0.13	82x77x22

New

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	219/2	17x82x129	220/2	21x206x19	219/5	17x110x133	0.27
350 g	208/2	22x81x131	209/2	22x215x22	208/5	17x110x136	0.37
500 g	210/2	21x100x142	211/2	25x223x25	210/5	22x115x132	0.52

New

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	208/2/Z	22x81x131	209/2/Z	22x215x22	208/5/Z	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
788/1	1	Ø 3	Ø 6	Ø 14	2781	0.77	60	0.06	85x22x18
788/2	2	Ø 6	Ø 10	Ø 18	4635	1.29	100	0.07	97x29x18
788/3	3	Ø 12	Ø 18	Ø 22	6026	1.67	130	0.09	122x36x20
788/03	4	Ø 12	Ø 16	Ø 22	5099	1.42	110	0.08	93x27x19
788/04	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
785	0.04	86x15x81



PERKEO Windscreen for all heavy-duty soldering irons

Made of robust sheet steel

Part no.	kg	mm
785/10	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
421	3 needles in box	0.01	Ø 10x73
422	Grip	0.01	Ø 8x78

PROPANE • Soldering



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

Made of high-quality stainless steel

<i>Part no.</i>	<i>kg</i>	<i>mm</i>	
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

<i>Part no.</i>	<i>kg</i>	<i>mm</i>	
600/23	0.06	Ø 20x20	



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

Brass mixing chamber with soldering iron holder

<i>Part no.</i>	<i>kg</i>	<i>mm</i>	
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

<i>Part no.</i>	<i>kg</i>	<i>mm</i>	
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

PROPANE • Soldering



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
780/3	1	Ø 3	Ø 6	Ø 14	1391	0.39	30	0.09	130x22x22
780/6	2	Ø 6	Ø 10	Ø 18	7648	2.12	165	0.11	136x22x22
780/12	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
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 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
791/10	1	Ø 3	Ø 6	Ø 14	1391	0.39	30	0.06	91x22x22
791/11	2	Ø 14	Ø 10	Ø 18	4172	1.16	90	0.08	96x22x22
791/12	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		
799/5/T4	799/5/3/T4	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		
799/5/03	799/5/03/3	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!



• M10x1 LH

799/15/T4

• G3/8" LH

799/15/3/T4

kg

12.40

mm

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



• M10x1 LH

799/04/T4

• G3/8" LH

799/04/3/T4

kg

3.83

mm

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



• M10x1 LH

799/040/T4

• G3/8" LH

799/040/3/T4

kg

4.08

mm

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



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



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



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



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

PROPANE • Soldering



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
799/5/01	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
799/5/04	2.12	400x170x160



PERKEO Propane PIEZO gas tip

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

Part no.	kg	mm
350/24/01	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
799/3/03	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
799/3/04	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



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



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



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



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>	
600/01	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

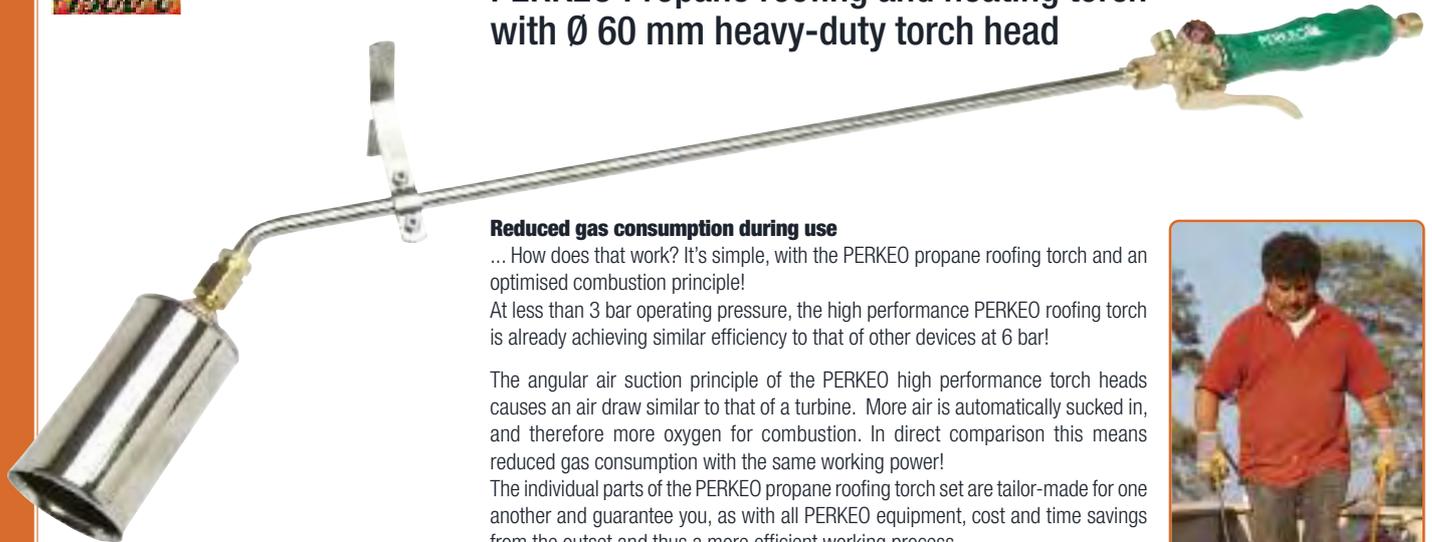
• 224/9/T or 224/9/3/T Economizer handle • 780/40 40 mm torch attachment • 785/20 Footstand

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
- 601/50Torch tube with 120° bend
- 780/60/1Ø 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

PROPANE • Roofing, heating, burning off

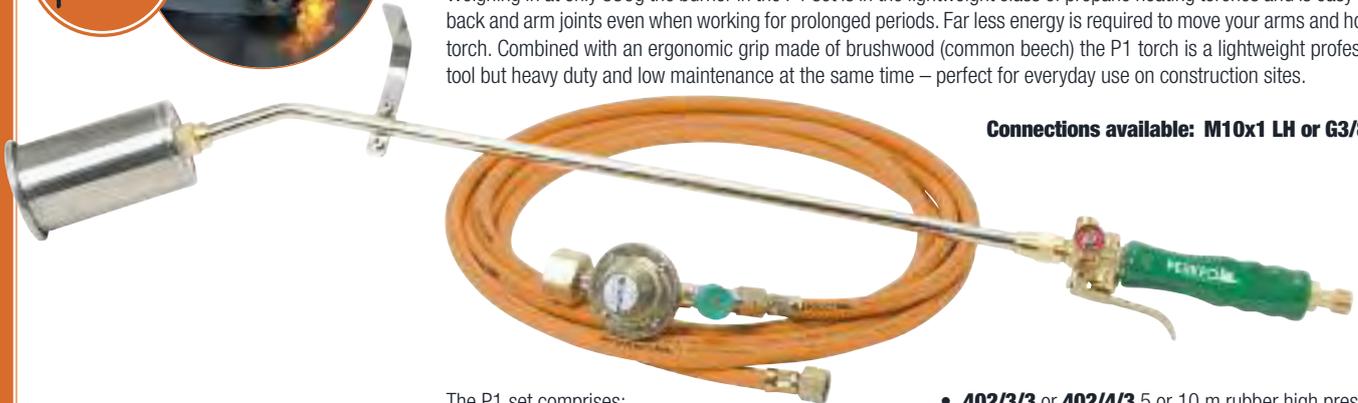


PERKEO P1 propane roofing and heating torch set with Ø 60 mm heavy-duty torch head

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/TTITAN torch tube w. 120° bend
- 780/60/1/TØ 60 mm TITAN torch head
- 785/20Footstand

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



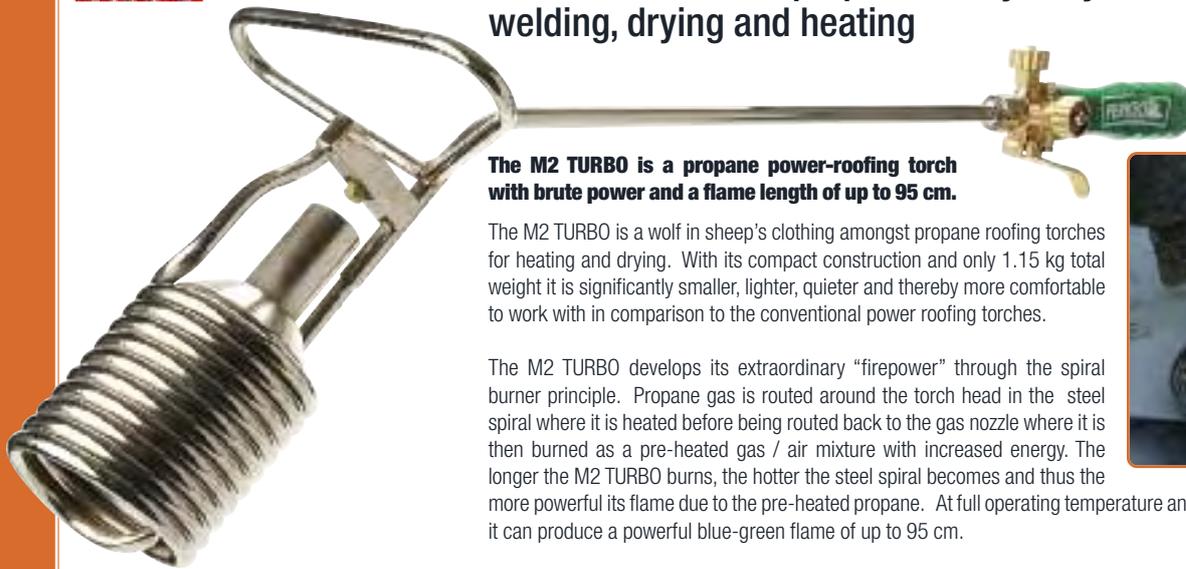
PERKEO TITAN propane roofing and heating torch set with Ø 60 mm heavy-duty torch head

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/TEconomizer handle
- 780/80M2 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						
403/3/3D	5	HP	Ø 6	5	1.40	Ø 400x40
403/4/3D	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							
415/10/01	415/10/01/3	5	0-4 bar	HP	Ø 6	5	1.75	Ø 400x40
415/10/02	415/10/02/3	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							
415/10/03	415/10/03/3	5	4 bar	HP	Ø 6	5	1.75	Ø 400x40
415/10/04	415/10/04/3	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
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/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
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



All male threads with inner cone

Part no.	Female thread	Male thread	kg	mm	Part no.	Female thread	Male thread	kg	mm
154/14	G1/4" LH	G3/8" LH	0.03	SW17x25	154/21	G1/2" LH	G3/8" LH	0.03	SW24x30
154/15	G1/4" LH	G1/2" LH	0.03	SW22x26	154/22	G1/2" RH	G1/2" RH	0.03	SW24x33
154/16	G1/4" LH	G3/8" RH	0.03	SW17x25	154/23	G1/2" RH	G3/8" RH	0.03	SW24x32
154/17	G1/4" RH	G1/4" RH	0.03	SW17x28	154/24	G1/2" RH	G1/4" RH	0.03	SW24x26
154/18	G1/4" RH	G1/4" LH	0.03	SW17x28	Other designs upon request				
154/19	G1/4" RH	G3/8" RH	0.03	SW19x29					
154/20	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
154/1	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
569	5-11	0.05	1500	W21,8x1/14" LH	G1/4" LH	0.33	86x167x41
569/1	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
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 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

Part no.	Inlet	Outlet	kg	mm	
274/40/T	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



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
791/3/T	1.5	Ø 3	1391	0.39	30	0.64	112x108x177
791/T	1.5	Ø 14	4172	1.16	90	0.63	112x108x179
791/4/T	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
791/03/T	1.5	Ø 3	1391	0.39	30	0.47	126x108x151
791/01/T	1.5	Ø 14	4172	1.16	90	0.52	126x108x157
791/04/T	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
380/L/T9	M10x1 LH	Ø 9	0.01	SW12x39

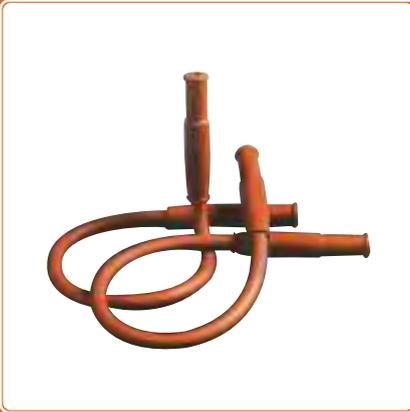


PERKEO Screw nipple with left-hand thread



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 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					
782/0/4/5/T	782/0/4/5/3/T	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		
782/0/T	782/0/3/T	0.47	217x65x36



PERKEO Propane branding stamp holder

For optimum fastening of the engraving plate - inlet M14x1 RH

Part no.	kg	mm
782/4	0.21	108x81x21



PERKEO Engraving plate

Engraving at option - with windscreen and fixing pins

Part no.	kg	mm
782/5	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

Part no.	bar- working pressure	KJ/h	KW	g/h at 0.05 bar	kg	mm
781/1	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
828/T6	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
786/03	Hammer form	0.60	150x104x24
786/03/OK	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
786/0	0	Ø 3.5	160	0.08	110x32x20
786/1	1	Ø 4	225	0.18	185x56x25
786/2	2	Ø 6	440	0.18	188x55x24
786/3	3	Ø 8	620	0.18	190x60x26
786/4	4	Ø 12	715	0.23	195x60x26
786/5	5	Ø 20	800	0.27	209x62x32
786/6	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
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 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



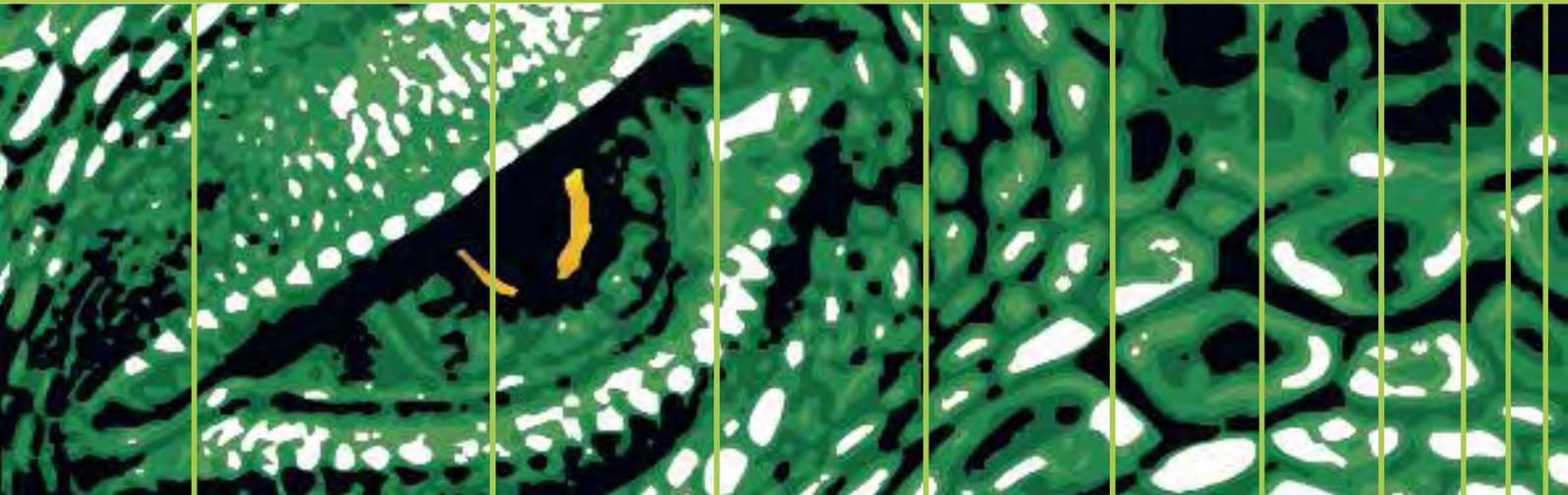
PERKEO Propane-compressed air gas economizer

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



M-gas-oxygen on-site equipment
Page 84



Propane-oxygen on-site equipment
Page 85-87



Acetylene-oxygen on-site equipment
Page 88-89



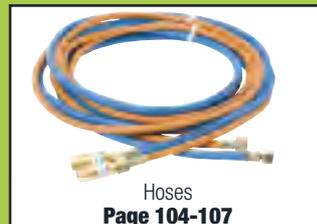
KLEIN RISTA outfits
Page 90-95



RISTA outfits
Page 96-102



MIKRO-RISTA outfits
Page 103



Hoses
Page 104-107



Fittings
Page 107-110



Quick-release couplings
Page 111



Regulators
Page 112-114



Pipeline regulators, control panels
Page 115-116



Gauges,
accessories for regulators
Page 117-118



Safety devices
Page 119-120



Valves, manifolds
Page 121-122



Gas economizers
Page 122



Cylinders
Page 123-124



Cylinder valves,
valve protection devices
Page 124-125



Cylinder frames, cylinder trolleys
Page 126-130



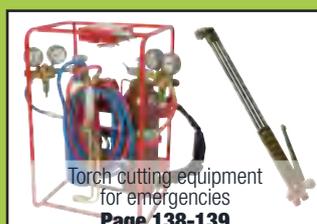
Decanting adaptors + couplings,
cylinder connectors
Page 131-133



Safety goggles
Page 134



Accessories
Page 135-137



Torch cutting equipment
for emergencies
Page 138-139

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
799/16/01/7	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/0.2m³ 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
799/16/01/5	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
799/16/01/6	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 • 799/17/0F6/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	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
880/T6	880/P/T6	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	
• Acetylene-oxygen				For other gases upon request
880/01	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	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
879/T6	879/P/T6	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	
828/T6	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
832	832/P	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
832/ORV	832/P/ORV	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				
832/908	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
832/001	832/001/P	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						
816	816/P	Ø 11	00	0.1-0.3	0.09	126x36x19	
817	817/P	Ø 11	0	0.3-0.5	0.10	126x36x19	
818	818/P	Ø 11	1	0.5-1.0	0.11	156x45x19	
819	819/P	Ø 11	2	1-2	0.11	169x45x19	
820	820/P	Ø 11	3	2-4	0.12	186x47x19	
821	821/P	Ø 11	4	4-6	0.13	200x50x19	
822	822/P	Ø 11	5	6-9	0.13	219x54x19	
823	823/P	Ø 11	6	9-14	0.14	233x53x19	
824	824/P	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						
848	848/P	Ø 11	2	1-2	0.11	231x31x19	
849	849/P	Ø 11	3	2-4	0.11	231x31x19	
850	850/P	Ø 11	4	4-6	0.11	247x31x19	
851	851/P	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					
856	856/P	856/E	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						
845	845/P	845/E	Ø 11	320	250	780	0.12	187x45x19
846	846/P	846/E	Ø 11	750	620	1000	0.19	238x50x19
847	847/P	847/E	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**

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

Part no.		Size	mm-thickness	kg	mm
• Acetylene-oxygen	• Propane-oxygen				
512/51/2	350/19	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)

Part no.		Size	mm-thickness	kg	mm
• Acetylene-oxygene					
513/22/1		1	0.5-1	0.02	SW10x30
513/22/2		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)

Part no.		Size	mm-thickness	kg	mm
• Acetylene-oxygene					
513/21/1		1	0.5-1	0.02	SW10x30
513/21/2		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**

<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				
501/147	501/147/P	00	0.1-0.3	0.02	Ø 12x34
501/148	501/148/P	0	0.3-0.5	0.02	Ø 12x34
510/60	510/60/P	1	0.5-1.0	0.03	Ø 12x43
510/61	510/61/P	2	1-2	0.03	Ø 12x43
510/62	510/62/P	3	2-4	0.04	Ø 13x48
510/63	510/63/P	4	4-6	0.04	Ø 13x52
501/149	501/149/P	5	6-9	0.04	Ø 13x52
501/150	501/150/P	6	9-14	0.04	Ø 13x52
510/66	510/66/P	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**

<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				
848/ET	848/P/ET	2	1-2	0.05	175x33x12
849/ET	849/P/ET	3	2-4	0.05	175x33x12
850/ET	850/P/ET	4	4-6	0.05	175x33x12
851/ET	851/P/ET	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**

<i>Part no.</i>	<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	• Natural gas-oxygen				
856/ET	856/P/ET	856/E/ET	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**

<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					
501/78	501/78/P	501/78/E	320	250	780	0.03	Ø 14x31
501/151	501/151/P	501/151/E	750	620	1000	0.09	Ø 18x50
501/154	501/154/P	501/154/E	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

Part no.	Part no.	kg	mm
• Gas	• Oxygen		
801/7	801/8	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

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



PERKEO Cap nut for all KLEIN RISTA attachments

Made of solid brass

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



PERKEO Teflon gasket for all KLEIN RISTA attachments

Made of indestructible teflon

Part no.	mm-shank	kg	mm
360/108	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
900/920/KPL	900/920/P/KPL	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
900/920	900/920/P	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**

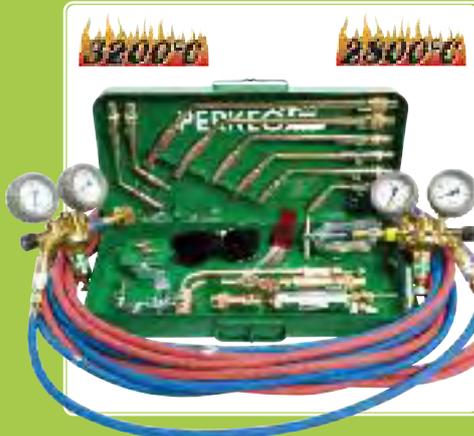
Part no.	Part no.	mm-shank	kg	mm	
• Acetylene-oxygen	• Propane-oxygen				For other gases upon request
900/2	900/2/P	Ø 18	6.53	470x215x90	



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
900/1	900/1/P	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
920/ORV	920/P/ORV	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				For other gases upon request
920/908	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
920/001	920/P/001	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					
935	935/P	Ø 18	0	0.3-0.5	0.18	140x40x30
936	936/P	Ø 18	1	0.5-1.0	0.19	140x40x30
937	937/P	Ø 18	2	1-2	0.20	170x41x30
938	938/P	Ø 18	3	2-4	0.22	195x50x30
939	939/P	Ø 18	4	4-6	0.24	230x53x30
940	940/P	Ø 18	5	6-9	0.31	265x60x30
941	941/P	Ø 18	6	9-14	0.34	310x75x30
942	942/P	Ø 18	7	14-20	0.43	360x78x30
943	943/P	Ø 18	8	20-30	0.47	415x87x30
944	944/P	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					
945/O	945/O/P	Ø 18	2	1-2	0.19	235x30x30
945	945/P	Ø 18	3	2-4	0.19	235x30x30
946	946/P	Ø 18	4	4-6	0.19	235x30x30
947	947/P	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						
948	948/P	948/E	Ø 18	320	250	780	0.23	215x50x30
949	949/P	949/E	Ø 18	750	620	1000	0.34	305x63x30
949/2	949/2/P	949/2/E	Ø 18	1900	1850	2000	0.45	365x78x30



PERKEO Circle-cutting attachment

Roller guide - pipe clamp - compass rod - compass point

Part no.	kg	mm
397	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**

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

Part no.	Part no.	Size	mm-thickness	kg	mm
• Acetylene-oxygen	• Propane-oxygen				
512/51/2	350/19	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)

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

Part no.	Size	mm-thickness	kg	mm
• Acetylene-oxygen				
350/27/61	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				
501/148	501/148/P	0	0.3-0.5	0.18	Ø 12x34
510/60	510/60/P	1	0.5-1.0	0.19	Ø 12x43
510/61	510/61/P	2	1-2	0.20	Ø 12x43
510/62	510/62/P	3	2-4	0.22	Ø 13x48
510/63	510/63/P	4	4-6	0.24	Ø 13x52
510/64	510/64/P	5	6-9	0.31	Ø 16x61
510/65	510/65/P	6	9-14	0.34	Ø 16x68
510/66	510/66/P	7	14-20	0.43	Ø 19x79
510/67	510/67/P	8	20-30	0.47	Ø 19x83
510/68	510/68/P	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				
945/0/ET	945/0/P/ET	2	1-2	0.05	180x30x14
945/ET	945/P/ET	3	2-4	0.05	180x30x14
946/ET	946/P/ET	4	4-6	0.05	180x30x14
947/ET	947/P/ET	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**

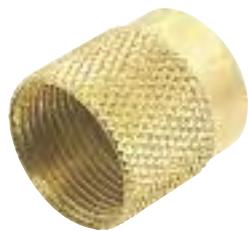
<i>Part no.</i>	<i>Part no.</i>	<i>Part no.</i>	<i>Acetylene l/h</i>	<i>Propane g/h</i>	<i>Natural gas l/h</i>	<i>kg</i>	<i>mm</i>
• Acetylene-oxygen	• Propane-oxygen	• Natural gas-oxygen					
501/78	501/78/P	501/78/E	320	250	780	0.03	Ø 14x31
518/1	518/1/P	518/1/E	750	620	1000	0.09	Ø 18x50
520/3	520/3/P	520/3/E	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		
801/10	801/11	0.05	Ø 32x42



PERKEO Cap nut for all RISTA attachments

Made of solid brass

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



PERKEO Teflon gasket for all RISTA attachments

Made of indestructible teflon

Part no.	mm-shank	kg	mm	
360/57	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						
415/01/01	415/01/11	5	MP	Ø 4 / Ø 4	3.5 / 3.5	2.15	1.90
415/01/02	415/01/12	10	MP	Ø 4 / Ø 4	3.5 / 3.5	3.85	3.60
415/01/03	415/01/13	20	MP	Ø 4 / Ø 4	3.5 / 3.5	7.25	7.00
415/01/04	415/01/14	5	MP	Ø 6 / Ø 6	3.5 / 3.5	2.45	2.20
415/01/05	415/01/15	10	MP	Ø 6 / Ø 6	3.5 / 3.5	4.35	4.10
415/01/06	415/01/16	20	MP	Ø 6 / Ø 6	3.5 / 3.5	8.35	8.10
415/01/99	-	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						
415/02/01	415/02/11	3	MP	Ø 4 / Ø 4	3.5 / 3.5	1.40	1.15
415/02/02	415/02/12	5	MP	Ø 4 / Ø 4	3.5 / 3.5	2.15	1.90
415/02/03	415/02/13	10	MP	Ø 4 / Ø 4	3.5 / 3.5	3.85	3.60
415/02/04	415/02/14	20	MP	Ø 4 / Ø 4	3.5 / 3.5	7.25	7.00
415/02/05	415/02/15	3	MP	Ø 6 / Ø 6	3.5 / 3.5	1.60	1.35
415/02/06	415/02/16	5	MP	Ø 6 / Ø 6	3.5 / 3.5	2.45	2.20
415/02/07	415/02/17	10	MP	Ø 6 / Ø 6	3.5 / 3.5	4.35	4.10
415/02/99	-	3	MP	Ø 4 / Ø 4	3.5 / 3.5	1.35	-
415/02/100	-	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
467/10/4001	blue	without ball valve	0.22	Ø250x20
467/10/4002	red	without ball valve	0.22	Ø250x20
467/10/4003	yellow	without ball valve	0.22	Ø250x20
467/10/4101	blue	with ball valve	0.30	Ø250x30
467/10/4102	red	with ball valve	0.30	Ø250x30
467/10/4103	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
407/Z1/15	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
154/14	G1/4" LH	G3/8" LH	0.03	SW17x25	154/21	G1/2" LH	G3/8" LH	0.03	SW24x30
154/15	G1/4" LH	G1/2" LH	0.03	SW22x26	154/22	G1/2" RH	G1/2" RH	0.03	SW24x33
154/16	G1/4" LH	G3/8" RH	0.03	SW17x25	154/23	G1/2" RH	G3/8" RH	0.03	SW24x32
154/17	G1/4" RH	G1/4" RH	0.03	SW17x28	154/24	G1/2" RH	G1/4" RH	0.03	SW24x26
154/18	G1/4" RH	G1/4" LH	0.03	SW17x28	Other designs upon request				
154/19	G1/4" RH	G3/8" RH	0.03	SW19x29					
154/20	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
153/3/S	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
154/3	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 ² /h max.	Inlet	Outlet	kg	mm
381	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 ² /h max.	Inlet	Outlet	kg	mm
381/K/01	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 ² /h max.	Inlet	Outlet	kg	mm
386	0-40/26	0-2.5/1.5	8.5	Stirrup	G3/8" LH	2.10	250x190x75



PERKEO Argon/CO₂ 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 ² /h max.	Inlet	Outlet	kg	mm
382	0-315/200	0-30	40.8	W21.8x1/14" RH	G1/4" RH	1.50	210x190x75

OXY-GAS • Regulators



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 ³ /h max.	Inlet	Outlet	kg	mm
389	with shut-off valve	0-315/200	0-16/10	48	W24.32x1/14" RH	G1/4" RH	1.50	210x190x75
389/20	with shut-off valve	0-315/200	0-40/20	75	W24.32x1/14" RH	G1/4" RH	1.90	210x210x75
389/30	without shut-off valve	0-315/200	0-60/30	130	W24.32x1/14" RH	G1/4" RH	2.20	280x250x75
389/40/01	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 ³ /h max.	Inlet	Outlet	kg	mm
389/40	0-315/200	0-60/40	290	W24.32x1/14" RH	G1/2" RH	3.80	240x330x85
389/60	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 ³ /h max.	Inlet	Outlet	kg	mm
393	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
392/01/T6	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 ³ /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

Part no.	bar-working pressure	Nm ³ /h max.	Inlet	Outlet	kg	mm
395/01	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

Part no.	bar-working pressure	Nm ³ /h max.	Inlet	Outlet	kg	mm
395/02	0-2.5/1.5	3.5	G3/8" LH	G3/8" LH	1.00	120x160x65



PERKEO Argon/CO₂ pipeline regulator

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

Part no.	l/min-range	Nm ³ /h max.	Inlet	Outlet	kg	mm
395/06	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

Part no.	l/min-range	NI/min at 1.5 bar	Inlet	Outlet	kg	mm
395/05/F14	1-14	14	G3/8" RH	G1/4" RH	1.00	120x210x65
395/05	4-32	32	G3/8" RH	G1/4" RH	1.00	120x210x65

OXY-GAS • Pipeline regulators, control panels



PERKEO Nitrogen pipeline regulators

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

Part no.	bar-working pressure	Nm ³ /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 ³ /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/CO₂ 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 ₂	Fiber	0.01	18x11,5x2
360/56	Regulators	Oxygen, nitrogen, Argon/CO ₂	Fiber	0.01	18x11,5x3
360/120/4	Regulators + Connection loop	Oxygen, nitrogen, Argon/CO ₂ , Propane Oxygen, nitrogen, Argon/CO ₂	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 ³ /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 ³ /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 ³ /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 ² /h max.	Inlet	Outlet	kg	mm
975/1/S/T4	Oxygen	10	45	Nipple Ø 4	Nipple Ø 4	0.09	Ø 22x79
975/1/S	Oxygen	10	45	Nipple Ø 6	Nipple Ø 6	0.09	Ø 22x79
975/1/T4	Burnable gas	1.5/3.5	8/12	Nipple Ø 4	Nipple Ø 4	0.09	Ø 22x79
975/1	Burnable gas	1.5/3.5	8/12	Nipple Ø 6	Nipple Ø 6	0.09	Ø 22x79
975/1/T9	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 ² /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



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 ² /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



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
274/041/T	G1/4" RH	4 x G1/4" RH	0.53	187x75x48
274/4/T	G3/8" RH	4 x G3/8" RH	0.53	187x75x48
274/40/T	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
275/2/T	G3/8" RH	2 x G3/8" RH	0.20	155x56x22
275/3/T	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
563	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
563/1	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 ³ - 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 ³ - 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 ³ - 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 ³ - 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
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 - 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
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	Ø 125x255
795/01/FÜL	filling	0.425	-	-	0.425	-



PERKEO Steel cylinder valves according to DIN 477

Solid brass design

Part no.	Version	Outlet	kg	mm
617	Oxygen	G3/4" RH	0.50	105x68x63
617/1	1 l+2 l oxygen	G3/4" RH	0.40	95x65x60
618	Acetylene	Stirrup	0.50	107x60x40
617/01/01	Nitrogen	W24.32x1/14" RH	0.50	105x68x63
617/01/02	Compressed air	G5/8" RH - FT	0.50	105x68x63
617/01/03	Argon/CO ₂	W21.8x1/14" RH	0.50	105x68x63
617/01/04	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
799/16/G	with box	6.60	370x320x640
799/16/01/G	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
799/17/G	portable+wheeled for 5 kg propane cyl. +5 l oxygen cylinder	13.50	540x420x650
799/17/0FG/G	portable for 5 kg propane cylinder +5 l oxygen cylinder	9.50	500x400x640
799/17/P10/G	portable+wheeled for 5 kg propane cyl. +13.5 l oxygen cyl.	13.50	540x420x650
799/17/P10/0FG/G	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
127/G	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
799/17A/G	portable + wheeled	10.80	410x550x650
799/17A/0FG/G	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
451/01/KPL	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
799/17A/10L/G	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
799/17A/20L/G	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
799/17A/50L/G	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 ₂	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 ₂	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 ₂	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
409/1	Safety goggles	DIN 5	0.12	175x85x65
414/2	Replacement lenses - clear	-	0.03	Ø 49x6
414/HELL	Replacement lenses - light	DIN 4	0.03	Ø 49x6
414/MITTEL	Replacement lenses - medium	DIN 5	0.03	Ø 49x6
414/DUNKEL	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
411	Safety goggles	DIN 5	0.06	160x62x60
414/2	Replacement lenses - clear	-	0.03	Ø 49x6
414/HELL	Replacement lenses - light	DIN 4	0.03	Ø 49x6
414/MITTEL	Replacement lenses - medium	DIN 5	0.03	Ø 49x6
414/DUNKEL	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
411/A	Safety goggles	DIN 5	0.06	160x62x60
414/2	Replacement lenses - clear	-	0.03	Ø 49x6
414/HELL	Replacement lenses - light	DIN 4	0.03	Ø 49x6
414/MITTEL	Replacement lenses - medium	DIN 5	0.03	Ø 49x6
414/DUNKEL	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
411/B	Safety goggles	DIN 5	0.06	147x40x59
414/B/K	Replacement lenses - clear	-	0.02	61x52x5
414/B/KP	Replacement lenses - clear, plastic	-	0.02	61x52x5
414/B/HELL	Replacement lenses - light	DIN 4	0.02	61x52x5
414/B/MITTEL	Replacement lenses - medium	DIN 5	0.02	61x52x5
414/B/DUNKEL	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
562	Hand welding mirror	0.27	490x70x29
562/001	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
562/002	Magnetic welding mirror	0.45	500x70x21
562/001	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
467/11/1005	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
428	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

Part no.	kg	mm
380/265/1	0.42	270x66x12



PERKEO Sheet-steel box KLEIN RISTA

Lockable - can be individually equipped with handle and attachments of the KLEIN RISTA series

Part no.	kg	mm
880/359	1.70	320x200x65



PERKEO Sheet-steel box RISTA

Lockable - can be individually equipped with handle and attachments of the RISTA series

Part no.	kg	mm
900/360	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

Part no.	kg	mm
129/00	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

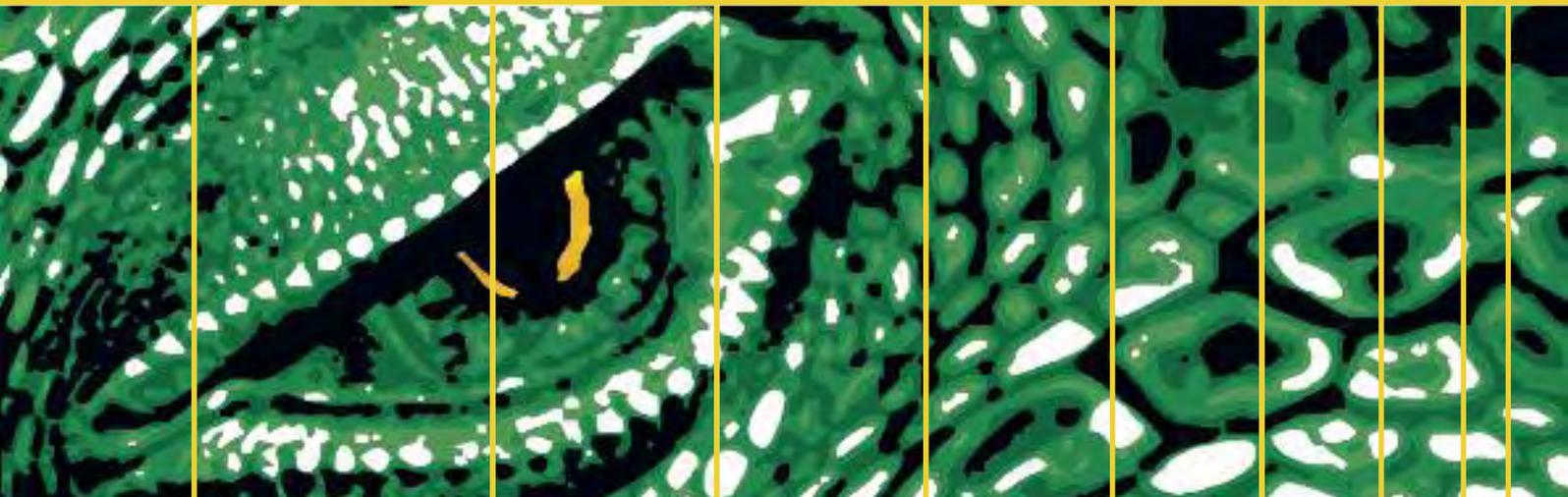


Nozzle with nozzle mix principle, in which the combustible gas mixing is confined to the cutting nozzle.

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



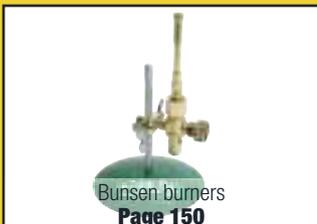
Soldering tools
Page 142-143



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
716/3	Hammer form	1977	0.55	35	0.71	282x100x36
717/3	Point form	1977	0.55	35	0.71	370x69x36
718/3/208/3	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
716/3/Z	Hammer form	1977	0.55	35	0.71	282x100x36
717/3/Z	Point form	1977	0.55	35	0.71	370x69x36
718/3/208/3/Z	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
718/3	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	219	17x82x85	220	25x166x25	219/3	17x113x85	0.27
350 g	208	21x87x89	209	22x180x22	208/3	18x116x86	0.37
500 g	210	21x101x90	211	25x195x25	210/3	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	208/Z	21x87x89	209/Z	22x180x22	208/3/Z	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
785	0.04	86x15x81



PERKEO Windscreen for all heavy-duty soldering irons

Made of robust sheet steel

Part no.	kg	mm
785/10	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 223	• G3/8" LH 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 265	• G3/8" LH 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 265/1	• G3/8" LH 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		
799/16A	799/16A/3	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		
799/16A/SL	799/16A/SL/3	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/O1	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

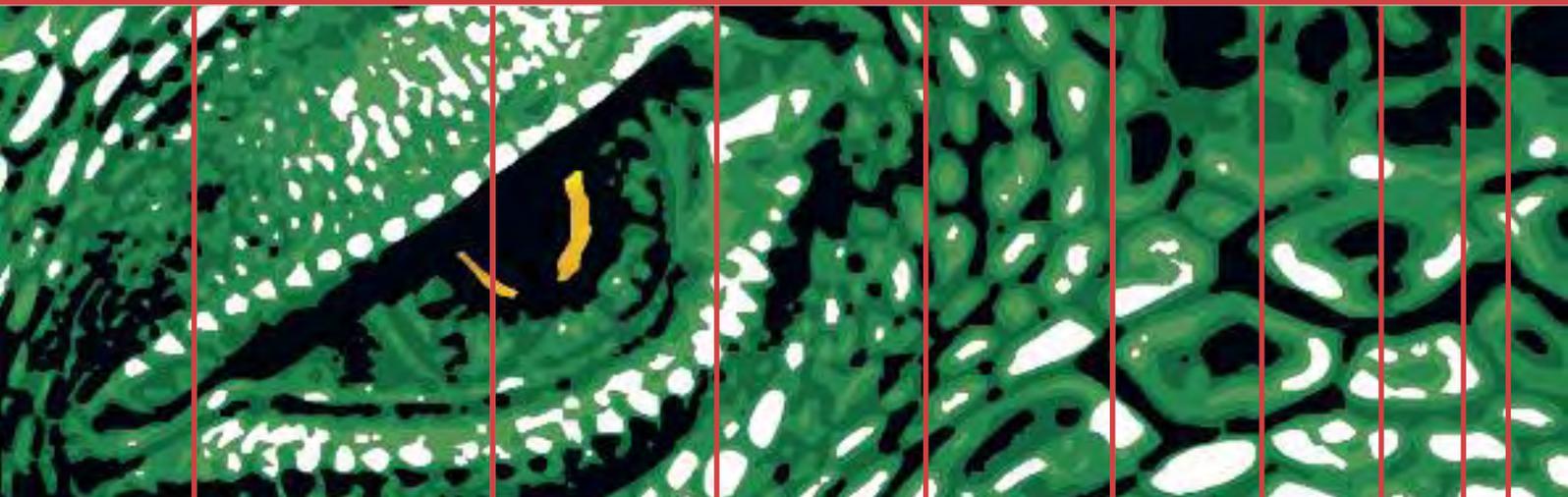
New

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



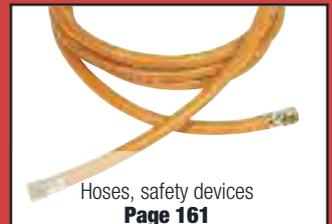
Soldering tools
Page 154-156



Heating tools
Page 157-159



Brazing tools
Page 160



Hoses, safety devices
Page 161



Bunsen burners
Page 162-163



Cookers,
mouth-operated soldering guns
Page 164



Natural gas-compressed air tools
Page 165-167



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						
753	753/3	Hammer form	4669	1.30	125	1.11	385x120x36
754	754/3	Point form	4669	1.30	125	1.11	460x75x36
755/208/5	755/3/208/5	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						
753/Z	753/3/Z	Hammer form	4669	1.30	125	1.11	385x120x36
754/Z	754/3/Z	Point form	4669	1.30	125	1.11	460x75x36
755/208/5/Z	755/3/208/5/Z	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					
755	755/3	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		
753/0/T	753/0/3/T	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
753/1	Hammer form	4669	1.30	125	0.52	134x100x22
753/2	Point form	4669	1.30	125	0.53	217x61x22
753/2/0/208/5	Cranked hammer form	4669	1.30	125	0.52	1153x105x27
753/2/0	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
755/1	1	Ø 10	4669	1.30	125	0.10	85x22x18
755/2	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	219/2	17x82x129	220/2	21x206x19	219/5	17x110x133	0.27
350 g	208/2	22x81x131	209/2	22x215x22	208/5	17x110x136	0.37
500 g	210/2	21x100x142	211/2	25x223x25	210/5	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	208/2/Z	22x81x131	209/2/Z	22x215x22	208/5/Z	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>	
785	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>	
785/10	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 ³ /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

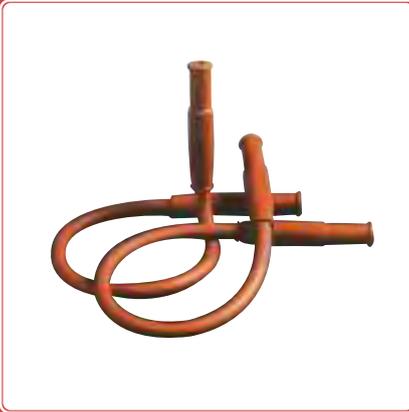


PERKEO Screw nipple with left-hand thread

New

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



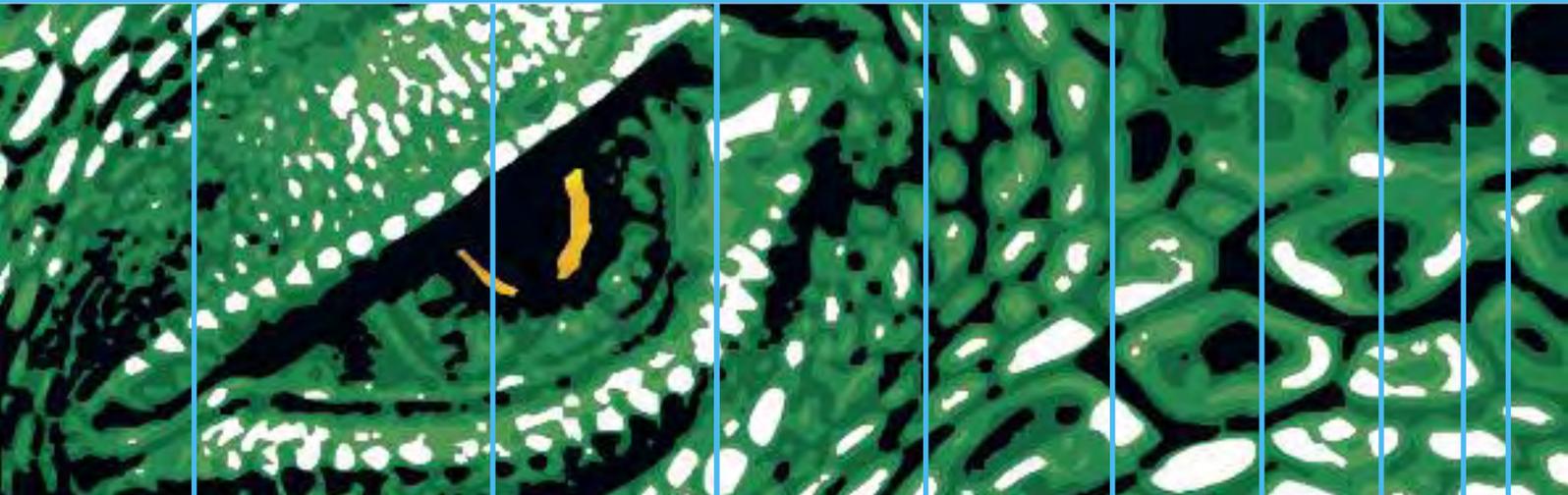
PERKEO Natural gas flashback arrestor according to DIN-EN 730

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 ³ /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

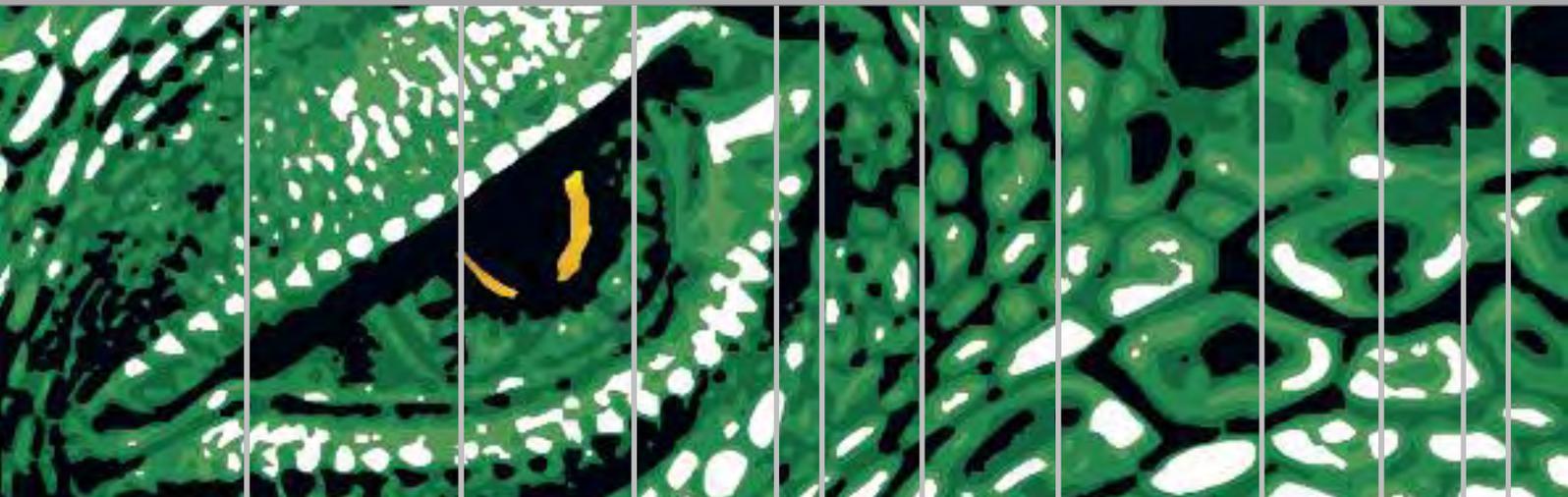
Part no.	Size	mm-flame center cone	bar-working pressure	KJ/h	KW	l/h at 0.01 bar	kg	mm
788/7/02	2	Ø 4	0.01-0.3	744	0.20	69	0.13	230x65x25
788/7/03	3	Ø 12	0.01-0.05	593	0.16	55	0.13	245x65x35



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
Page 177-181



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



New

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



New

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



New

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



New

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



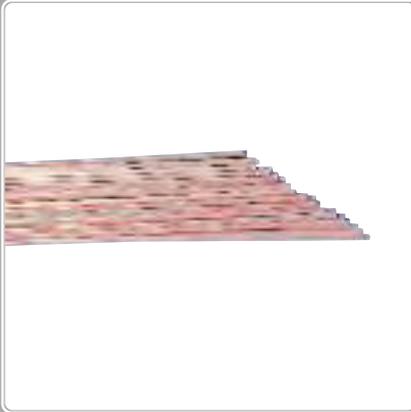
PERKEO Tin-ammoniac stone in a can

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

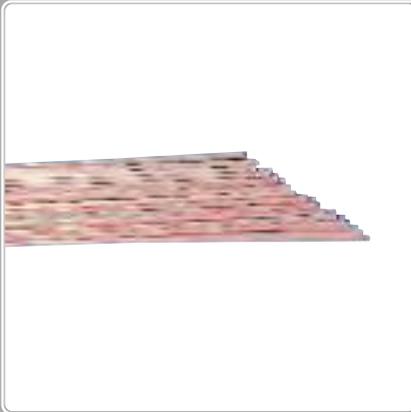
ACCESSORIES • Brazing alloys, fluxes



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

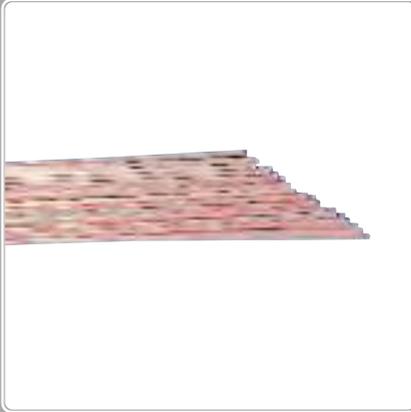
Part no.	Description	Information / use	Melting range	Working temp.	kg/ carton box
558/3/01	B-Cu94P (L-CuP6, DIN 8513)	Co+co without flux	710 - 880°C	730°C	1.00
		Co+br, co+red br with flux 531/01/01 or 531/01/10			



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

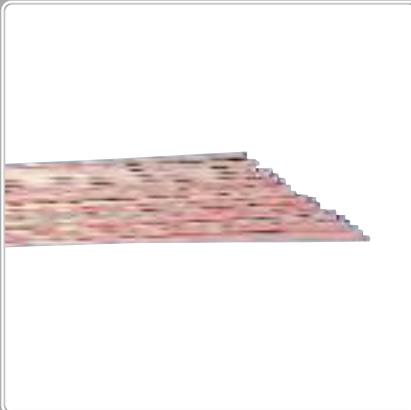
Part no.	Description	Information / use	Melting range	Working temp.	kg/ carton box
558/3	B-Cu92PAg (L-Ag2P, DIN 8513)	Co+co without flux	650 - 850°C	710°C	1.00
		Co+br, co+red br with flux 531/01/01 or 531/01/10			



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			

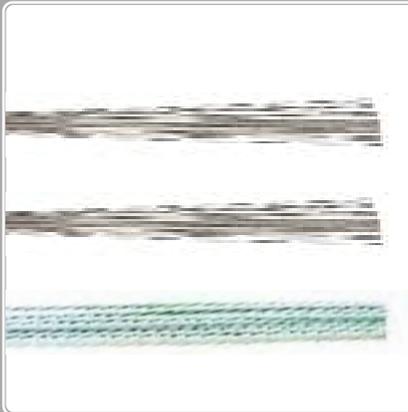


PERKEO Copper brazing alloy with 15% silver and 5% phosphorus according to DIN EN 1044, CP 102

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			

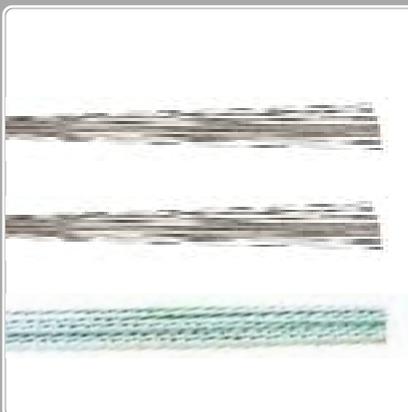
ACCESSORIES • Brazing alloys, fluxes



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

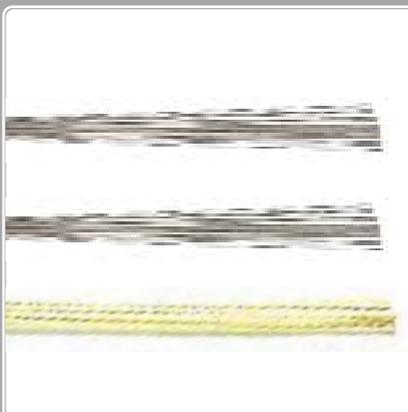
Part no.	Version	mm-rod	Description	Information / use	Melting range	Working temp.	kg/carton/box
560/1,5	bare	Ø 1.5	B-Ag30CuCdZn-600/690 (L-Ag30Cd, DIN 8513)	Steel, malleable cast iron, co, red br, br, copper and nickel alloys	600 - 690°C	680°C	0.10
560/2	bare	Ø 2					
560/2/01	coated	Ø 2					



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

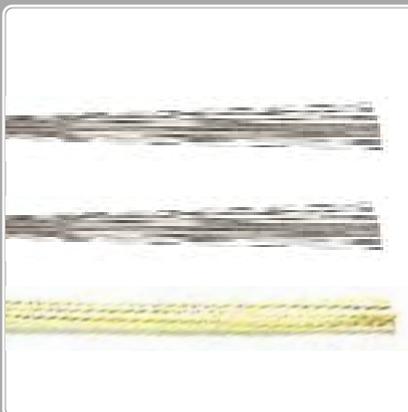
Part no.	Version	mm-rod	Description	Information / use	Melting range	Working temp.	kg/carton/box
560/4/1,5	bare	Ø 1.5	B-Ag40ZnCdCu-595/630 (L-Ag40Cd, DIN 8513)	Steel, malleable cast steel, co, red br, br, copper and nickel alloys	595 - 630°C	610°C	0.10
560/4/2	bare	Ø 2					
560/4/2/01	coated	Ø 2					



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					

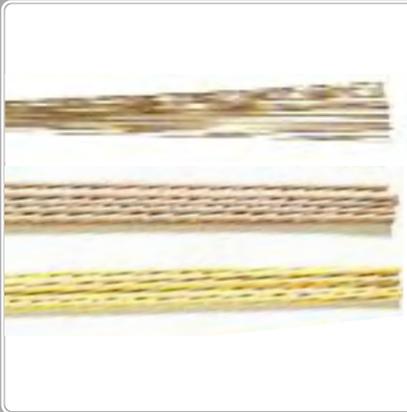
ACCESSORIES • Brazing alloys, fluxes



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



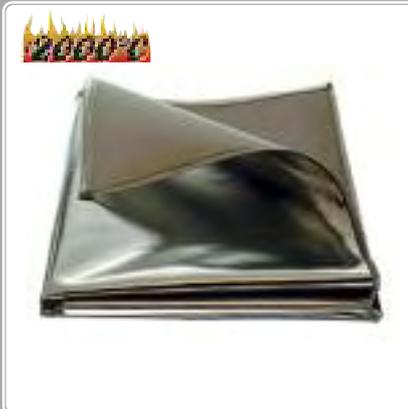
PERKEO ALU-WELD aluminum welding set



Aluminum welding rod range for welding aluminum without flux with a simple propane flame - tensile strengths values of min. 345 N/mm² - 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



New

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

New

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

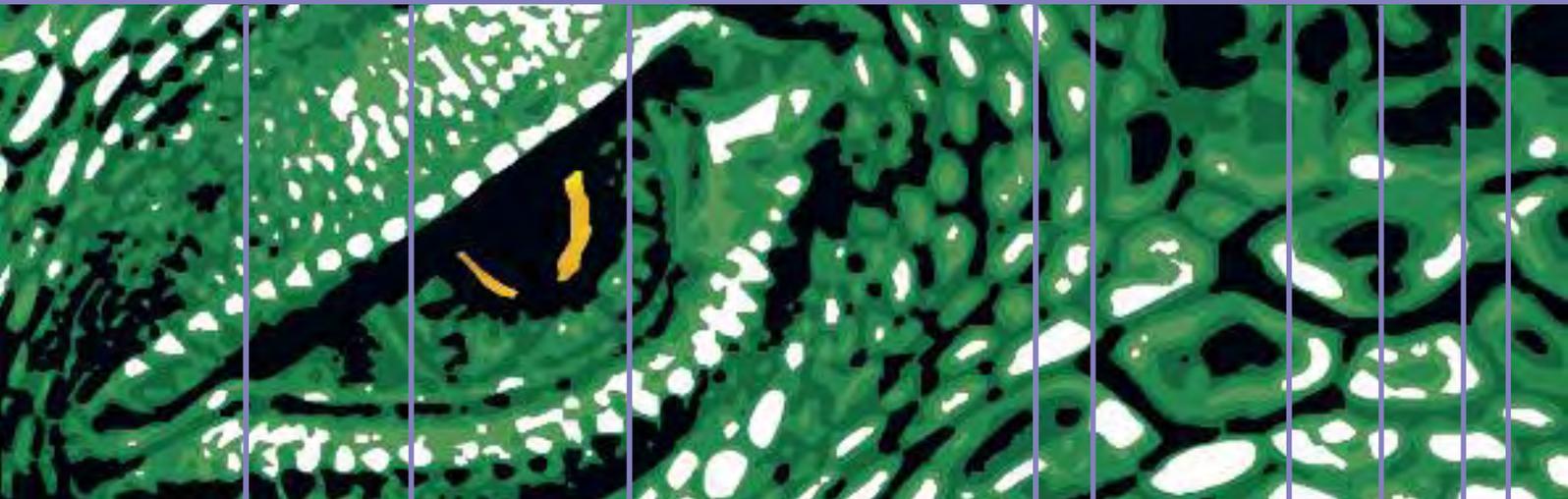
Manually mouldable paste designed to divert the heat and protect all heat-sensitive materials while brazing and soldering with temperatures of up to 3000°C - sold in tubes

New

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

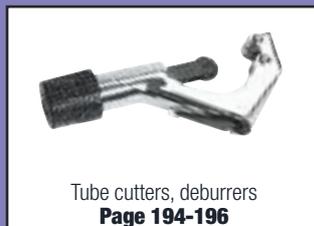
Leak detectors



Tube expanders, flaring tools
Page 192-193



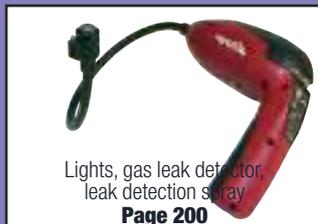
Tube benders
Page 193-194



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	Flaring tube: 4 - 6 - 8 - 10 - 12 - 14 - 15 - 16 - 22 mm Swaging tube: 4 - 6 - 8 - 10 - 12 - 16 - 22 mm	1.95	330x140x40
467/02/2000	Flaring tube: 1/8" - 3/16" - 1/4" - 5/16" - 3/8" - 7/16" - 1/2" - 5/8" - 3/4" Swaging tube: 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 ²	0.04	Ø 60x20
430/04/02	FRp Fine thread	20 bar / gas max. 5 bar	-60°C to 260°C	60 g/m ²	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
467/11/1010	without UV LED spotlight	0.76	620x75x55
467/11/1011	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
467/05/1000	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
467/05/2000	-6°C to 97°C	400 ml	0.40	Ø 60x250

Terms and Conditions, Imprint

General sales conditions of Perkeo-Werk GMBH+CO.GK

§ 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 ...!?*

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