



**COST CONSCIOUSNESS AND
COST REDUCTION...**

... is one thing.

*The elimination of costs and risks to
be expected in the future, is something
different. PRESSOL supplies products
with price/performance ratios that
need not shy away from comparison.
PRESSOL supplies perspectives more
valuable than simple money.*

Please find constantly updated product details on
www.pressol.com



Formerly ...



Experience

In 1910 Mr. Jakob Pressl invented the very first pump oiler. Little later he received a patent for his invention issued by the Austro-Hungarian Empire. In the year 2006 PRESSOL manufactured almost 85 million parts and pieces for more than 2300 original products.



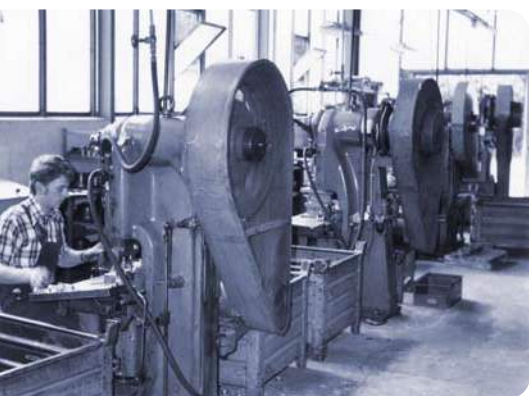
1914 *Jakob Pressl sets the foundation-stone. As a ship's officer he develops a pump oiler registering it as a patent of the Austro-Hungarian Empire. Patent No. 61 713, dated September 1st, 1913.*

1920 *the first manufactory is founded as a single piece production.*

1949 *additional oiler types, funnels, measuring cans, supply cans and metal oil barrel pumps provide the base for a rapid growth.*

1975 *hand lever grease guns with world-wide patents and accessories are manufactured on a large scale. Meanwhile 1.3 million grease guns leave our line-production.*

1986 *starts the entrance into workshop technology with the development of pneumatic oil and grease pumps. A continuing development process of waste oil disposal systems, hose reels, tanks and diesel supply systems completes the assortment.*



Today ...

... we are a complete supplier for lubrication technology of all types. We manufacture in series. More than 85 % of our product range is manufactured in our own production plants. A wide product range reaches more than 15,000 customers in more than 100 countries worldwide. Our product range covers more than 2500 end products. PRESSOL produces 83 million individual parts per year. PRESSOL holds ISO 9001 and 14001 certifications.

Quality

In our production we use only high quality materials and adhere strictly to the DIN or european safety standards. The individual components are subjected to permanent quality controls and many of our products need to withstand endurance tests to prove their utilizability before they go into production.

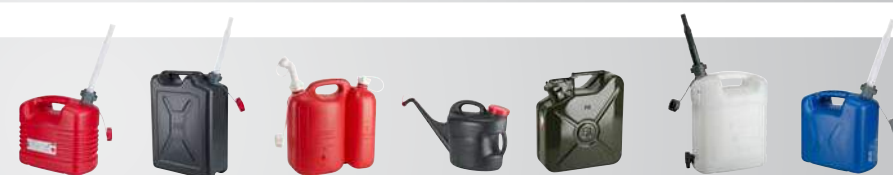
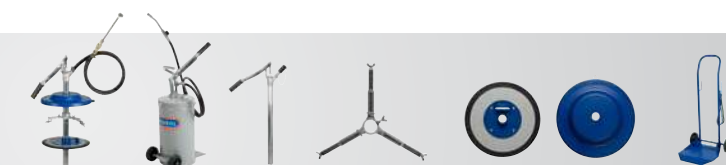
Innovation

We reinvest the biggest part of our profits to develop new products, as well as to optimise already existing product groups. The technical know-how of our employees is our biggest asset. In contrast to general international trends we still manufacture 80 % of our products in our own plants.

Delivery

Catalogue items are shipped within 48 hours after receipt of order.



*Oilers, dispensing bottles and sprayers***11–15***Funnels***17–19***Measuring jugs and buckets***21–23***Jerrycans and storage cans***25–27***Do it yourself***29–35***Grease guns, push type guns and suction guns***37–56***Lubrication systems, grease filling systems, trolleys***57–64***Grease nipples***65–76***Hand pumps***77–84***Automatic lubricators / Oil level sight glasses***85–89**

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General

a	outside
ABM	dimensions
AD	outside diameter, in millimetres
ALH	dispensing tap
BA	jaws
BHHP	lever operated gun for concrete works
BSF	British Standard Fine/Whitworth thread, quality: fine
D1	funnel type grease nipple, 180°, straight
D1 A	funnel grease nipple, 180° straight, blow-in nipple
DG	rotary swivel
DIN	German Standards Institute
DL	air pressure
DLFP	Air operated grease guns
DN	inner diameter, in millimetres
DW	double-acting
DWMP	double-acting brass pump
EAN-Code	European Item Numering System (barcode)
EF	calibratable
EHFP	one hand grease gun
EP	extreme-pressure lubricants
ESN	drive-fit nipple
EWKP	single-acting plastic pump
EWMP	single-acting brass pump
EWZP	single-acting zinc die casted
F	self-tapping threads
FA	flat design
FLA	flexspout
FLMA	flexible metal outlet
FN	Filling nipple
G	Whitworth Pipe Thread, cylindrical ISO 228 (DIN 259)
GBDR	angeled spout
GDE	container
GLN	Global Location Number
GRDR	straight spout
GS	tested security
GTIN	Globale Trade Item Number
H	coupler for hydraulic grease nipples acc. DIN 71 412
H1	hydraulic grease nipple, 180°, straight
H1 A	tapered lubricating equipment 180°, straight, (blow-in nipple)
H2	hydraulic grease nipple, 45°
H2 A	tapered lubricating nipple, 45°, (blow-in nipple)
H3	hydraulic grease nipple, 90°
H3 A	Kegelschmiernippel, 90°, Einschlagnippel
HD	high pressure
HHFP	manual lever grease gun
HHFP-DG	manual level grease gun with closed cover, not removable
HHÖP	oil press designed as manual lever gun
i	inside
ILN	international location number
ISO VG	International Organization for Standardization
K1	ball grease nipple, 180°, straight
KK	plastic canister
KSD	plastic nozzle
KØ	diameter of head
LBH	length x width x height, in millimetres
LGA	Bavarian Trade Supervision, Nuremberg
M	metric thread, cylindrical DIN 13

M1	flat lubrication nipple, 16 mm, round head
M22	flat lubrication nipple, 22 mm, round head
M4	flat lubrication nipple, 10 mm, round head
MSD	brass nozzle
NEF	not calibratable
NLGI	viscosity class 000 to 6, as defined by National Lubricating Grease Institute, USA
NPS	National Straight Pipe, non-sealing pressure-resistant cylindrical pipe thread
NPSF	National Straight Pipe, sealing pressure-resistant cylindrical pipe thread
NPT	National Taper Pipe, non-sealing pressure-resistant tapered pipe thread
NPTF	National Taper Pipe Fuel and Oil, dichtendes und druckfestes konisches Rohrgewinde
ÖDT	oil can funnel
PTF	Pipe Taper Fuel and Oil / sealing pressure-resistant tapered pipe thread
PZ	high pressure hose
R	Whitworth thread, tapered, similar to DIN 3858
RK	round head
S	thickness
SAE	division of viscosity classes for automotive lubricants by Society of Automotive Engineers
SB	self service
SF	mounting area for wrenches
SFG	self-tapping thread
SK	hexagon
SKK	hexagonal head
SKU	quick connecting
SOT	slide-on type
SRL	suction pipe length, specs always in mm
STAK	steel outlet bend
SW	key width
T1/B	flat lubrication nipple, 16 mm, hexagonal head
TÜV	Technical Supervision Authority
UN	United Nations
UNF	Unified Fine Thread
Ust.-IdNr.	Turnover tax identification number
UV	ultra-violet
VE	packing unit
VSK	Verschlusskappe
VK	square
WAL	angle metal spout
WHIT	Whitworth thread
ZBH	accessories
ZSA	centralized lubrication system

Material

Alu	Aluminium
CSM	Hypalon®
E-CTFE	Ethylen – Chlortrifluortyhlen (Halar®)
EPDM	Ethylen – Propylen
FEP	Tetrafluorethyle – Perfluorpropylen (Teflon® FEP)
FCKW	Fluorcarbon
FKM	Viton®
FPM	Fluor-Polymer (Viton®)
MDPE	Polyethylene MDPE
GG	Gray cast iron casting
HDPE	High Density Polyethylene
Hyrtel®	Hyrtel® is a registered trademark of the company Du Pont
LDPE	Low Density Polyethylene
LLDPE	Linear Low Density Polyethylene
Me	Brass
PE	Polyethylene
MoS2	Molybdenum Disulfide
NBR	Perbunan®
NEOP	Neoprene
PA	Polyamide
PC	Polycarbonate
PE	Polyethylene
PFA	Perfluoralkoxy Copolymer (Teflon® PFA)
PMP	Polymethylpentene (TPX®)
POM	Acetal Homopolymer
PP	Polypropylene
PPGF	Polypropylene, fibreglass reinforced
PS	Polystyrol
PSF	Polysulfone
PTFE	Polytetrafluorethylene (Teflon®)
PVC	Polyvinylchloride
PVDF	Polyvinylidene fluoride
RST	Special treatment for a high quality of steel
SAN	Styrol Acrylnitril
SI	Silicone rubber
St	Steel
VA	Stainless steel
VZ	Galvanized
VSTB	Galvanized sheet steel
ZDG	Zinc die-casting



Oilers, dispensing bottles and sprayers



Industrial oilers and standard oilers with pump



Industrial oiler, zinc die casting, double-acting brass pump and gravity controlled suction tube – Lubrication set

03 903 950

300 ml, spout, aluminium, 165 mm, spray nozzle, 115 mm, applicator brush, 135 mm



01 112

SPECIAL pump-oiler 250 ml



Industrial oiler, zinc die casting, double-acting brass pump and gravity controlled suction tube

03 902

200 ml, spout, aluminium, 135 mm

03 903

300 ml, spout, aluminium, 165 mm

03 905

500 ml, spout, aluminium, 165 mm



Industrial oiler, polyethylene, white, double-acting brass pump and gravity controlled suction tube

04 902

200 ml, spout, aluminium, 135 mm

04 903

300 ml, spout, aluminium, 165 mm

04 905

500 ml, spout, aluminium, 165 mm



Industrial oiler, zinc die casting, single-acting brass pump and gravity controlled suction tube

03 802

200 ml, spout, aluminium, 135 mm

03 803

300 ml, spout, aluminium, 165 mm

03 805

500 ml, spout, aluminium, 165 mm



Industrial oiler, polyethylene, white, single-acting brass pump and gravity controlled suction tube

04 802

200 ml, spout, aluminium, 135 mm

04 803

300 ml, spout, aluminium, 165 mm

04 805

500 ml, spout, aluminium, 165 mm



Standard oiler, metal, single-acting brass pump

05 223

250 ml, blue, flexible spout 210 mm and aluminium spout 135 mm

05 224

350 ml, blue, flexible spout 210 mm and aluminium spout 135 mm

05 225

500 ml, blue, flexible spout 210 mm and aluminium spout 135 mm



05 226

750 ml, blue, flexible spout 210 mm and aluminium spout 135 mm

Industrial oilers and standard oilers with pump

**Standard oilers, metal, single-acting plastic pump****05 111**

125 ml, red, spout, 105 mm

05 112

175 ml, red, spout, 105 mm

**Standard oilers, metal, single-acting plastic pump****05 121**

125 ml, red, flexible spout, 150 mm

05 122

175 ml, red, flexible spout, 150 mm

**Standard oilers, metal, single-acting plastic pump****05 113**

250 ml, red, spout, 150 mm

05 114

350 ml, red, spout, 150 mm

05 115

500 ml, red, spout, 150 mm

**Standard oilers, metal, single-acting plastic pump****05 133**

250 ml, red, flexible spout, 210 mm

05 134

350 ml, red, flexible spout, 210 mm

05 135

500 ml, red, flexible spout, 210 mm

Standard oilers with pump, accessories for oilers, oilers without pump

**Standard oilers, polyethylene, white, single-acting plastic pump****05 118**

350 ml, spout 135 mm

05 119

500 ml, spout 135 mm

**Standard oilers, polyethylene, white, single-acting plastic pump****05 138**

350 ml, flexible spout 210 mm

05 139

500 ml, flexible spout 210 mm

**04 111**

DIY oiler, 150 ml, polyethylene, white, single-acting plastic pump, spout, 105 mm

**Accessories for oilers with pump****05 069**

spout with spray nozzle, 115 mm

05 070

spout with applicator brush, 135 mm

**Oilers, polyethylene, transparent, brass spout, without pump, tight with turn lock nozzle****06 864**

125 ml

06 865

250 ml

06 866

500 ml

**01 070**

spout, aluminium, angled, 105 mm

01 071

spout, aluminium, angled, 135 mm

00 220

spout, aluminium, angled, 165 mm

**01 136**

flexible spout, transparent, 150 mm

01 130

flexible spout, transparent, 210 mm

Standard oilers with pump, accessories for oilers, oilers without pump



Oilers, polyethylene, transparent, plastic spout with sealing cap

06 064

125 ml

06 065

250 ml

06 066

500 ml



06 061

Oiler 20 ml, polyethylene, transparent

06 062

Oiler 50 ml, polyethylene, transparent

06 068

Oiler 60 ml, polyethylene, transparent



Dispensing bottle, polyethylene, transparent

06 766

500 ml



06 863

Tool box oiler, 50 ml, polyethylene, transparent, brass spout



06 122

Oiler 100 ml, polyethylene, transparent

Household and industrial sprayers, POMPAxx



Household sprayer, polyethylene, adjustable plastic nozzle

06 266

750 ml, orange

06 266 820

750 ml, white, transparent



Industrial sprayer, polyethylene, adjustable and closeable plastic nozzle

06 267

750 ml, orange

06 267 820

750 ml, white, transparent



Industrial sprayer, polyethylene, adjustable and closeable brass nozzle

06 267 956

750 ml, orange



06 178

POMPAxx industrial sprayer, 1 l, polyethylene, white, transparent



06 902

POMPAxx industrial sprayer, 2 l, polyethylene, with spout



POMPAxx industrial sprayer, polyethylene

06 905

7 l, polyethylene, with spray lance

06 910

10 l, polyethylene, with spray lance

Household and industrial sprayers, POMPAxx

**06 100**

Sprayer head for (06 267 956)

**00 258**

Sprayer head for (06 267), (06 267 820), (06 266), (06 266 820)

**00 956**

Sprayer head for (06 142)

**19 768**

Spray unit, mobile, 24 l, pneumatically operated

**19 789**

Funnel for spray unit (19 768)

**Spare parts for (06 902)****06 931**

Gasket set

06 932

Spout

06 933

Pump

**Spare parts for (06 905), (06 910)****06 934**

Gasket set

06 935

Carrying belt

06 936

Pump

06 937

Nozzle 60°, flat stream

06 938

Triple nozzle

06 939

Spray lance

06 960

Pressure valve

06 961

Hose



6x No. **02 645**

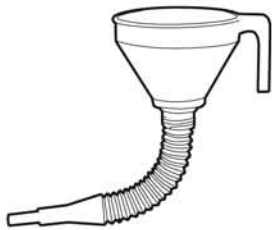
Kombitrichter-Weißblech - FLMA-Ø 160 mm-1,3 l-Sieb



4 103810

6x No. **662**

Trichter - PE-FLA-Ø



Funnels, polyethylene, polypropylene



Funnels, polyethylene

02 361

Funnel, polyethylene, Ø 50 mm, capacity 0,05 l

02 362

Funnel, polyethylene, Ø 75 mm, capacity 0,09 l

02 363

Funnel, polyethylene, Ø 100 mm, capacity 0,25 l

02 364

Funnel, polyethylene, Ø 120 mm, capacity 0,27 l

02 365

Funnel, polyethylene, Ø 150 mm, capacity 0,7 l



02 372

Funnel, polyethylene, Ø 160 mm, capacity 1,2 l



02 366

Funnel, polyethylene, Ø 200 mm, capacity 2,9 l

02 366 017

Funnel, polyethylene, Ø 200 mm, capacity 2,9 l, with fine brass strainer 01 172



02 367

Funnel, polyethylene, Ø 250 mm, capacity 3,2 l

02 367 020

Funnel, polyethylene, Ø 250 mm, capacity 3,2 l, with fine brass strainer 01 172



02 369

Funnel, polypropylene, Ø 350 mm, capacity 10 l



Funnels, polyethylene, flexible spout

02 675

Funnel, polyethylene with metal spout FLMA, Ø 160 mm, capacity 1,2 l, with thread adapter



02 674

Catalyser funnel, polyethylene Ø 160 mm, capacity 1,2 l, polyethylene spout



02 662

Funnel, polyethylene Ø 160 mm, capacity 1,2 l, polyethylene spout



02 665

Funnel, polyethylene with FLA Ø 150 mm, capacity 0,7 l, polyethylene spout



Funnel sets, polyethylene

02 360

Funnel set, polyethylene, Ø 50, 75, 100, 120 mm



02 360 954

Funnel set, polyethylene, Ø 50, 75, 100, 120, 150 mm



02 372 043

Funnel set, polyethylene Ø 50, 75, 100, 120, 150, 160 mm

Funnels, polyethylene, tin plate



Funnels, polyethylene

02 671

Oil can funnel, polyethylene, Ø 120 mm, capacity 1 l



02 562

Funnel assembly, polyethylene, Ø 160 mm, capacity 1,2 l with angled spout, new version with thread



02 563

Funnel assembly, polyethylene, Ø 160 mm, capacity 1,2 l with straight spout, new version with thread



02 568

Waste oil funnel, polyethylene, Ø 250 mm, capacity 3,2 l, G 2" a



02 569

Waste oil funnel, polyethylene, Ø 250 mm, capacity 3,2 l, Ø 60 mm i



02 370

Tractor funnel, polyethylene, grey, 280 x 190 (square), 4 l, with fine brass strainer



02 371

Fine brass strainer, spare part for 02 370



Funnels, metal

02 342

Funnel, tin plate, Ø 160 mm, capacity 1,3 l

02 344

Funnel, tin plate, Ø 200 mm, capacity 3,2 l



02 645

Funnel assembly, tin plate, Ø 160 mm, capacity 1,3 l, metal spout, with thread adapter

02 344 950

Funnel assembly, tin plate, Ø 200 mm, capacity 3,2 l, metal flexible spout, with thread adapter



00 241

Flexible spout, polyethylene, for funnels 02 372, 02 662, 02 674 (for new version with thread)



00 238

Old version, available on request



02 640

Flexible spout, metal, with thread adapter, easy and safe fitting for funnels 02 562, 02 675, 02 645, 02 344 950 or as an accessory for funnels 02 342, 02 344 and 02 372



01 172

Fine brass strainer for funnels 02 342, 02 344, 02 344 950, 02 366, 02 367, 02 372, 02 674, 02 675, 02 562, 02 563, 02 568, 02 569, 02 645, 02 662, 02 675



Measures, polypropylene and polyethylene



Measuring container with scale, polyethylene

07 500

0,5 l, white, transparent

07 501

1 l, white, transparent

07 502

2 l, white, transparent

07 503

3 l, white, transparent

07 505

5 l, white, transparent



Measuring container with scale and flexible spout, both from polyethylene

07 600

0,5 l white, transparent, 160 mm

07 601

1 l white, transparent, 160 mm

07 602

2 l white, transparent, 160 mm

07 603

3 l, white, transparent, 330 mm

07 605

5 l, white, transparent, 330 mm



Measuring container with scale, lid and cap, polyethylene

07 520

0,5 l, white, transparent,

07 521

1 l, white, transparent

07 522

2 l, white, transparent

07 523

3 l, white, transparent

07 525

5 l, white, transparent



Measuring container with scale, lid, cap, and flexible spout from polyethylene

07 620

0,5 l, white, transparent, 160 mm

07 621

1 l, white, transparent, 160 mm

07 622

2 l, white, transparent, 160 mm

07 623

3 l, white, transparent, 330 mm

07 625

5 l, white, transparent, 330 mm



Lids and caps

82 248

Lid and cap for 07 500, 07 520, 07 600, 07 620

82 249

Lid and cap for 07 501, 07 521, 07 601, 07 621

82 250

Lid and cap for 07 502, 07 522, 07 602, 07 622

82 251

Lid and cap for 07 503, 07 523, 07 603, 07 623

82 252

Lid and cap for 07 505, 07 525, 07 605, 07 625



Flexible spouts

00 328

Flexible spout from polyethylene, 160 mm, transparent, for 07 500, 07 501, 07 520, 07 521

00 328 950

Flexible spout from polyethylene, 160 mm, transparent, for 07 502, 07 522

00 238 820

Flexible spout from polyethylene 330 mm, white, transparent, for 07 503, 07 505, 07 523, 07 525

Measures, polypropylene or steel

**Measures in polypropylene, food-safe, scale in mm and %****07 060**

Measure, 0,25 l, transparent

**07 061**

Measure, 0,5 l, transparent

**07 062**

Measure, 1 l, transparent

07 063

Measure, 2 l, transparent

07 064

Measure, 3 l, transparent

07 065

Measure, 5 l, transparent

**Measures in polypropylene****07 071**

Set of measures in polypropylene, 0,5l, 1,0l, 2,0l, transparent

**Measures from tin plate****07 341**

Measure, 0,5 l, calibratable

07 342

Measure, 1 l, calibratable

07 343

Measure, 2 l, calibratable

07 341 831

Measure, 0,5 l, calibrated

07 342 831

Measure, 1 l, calibrated

07 343 831

Measure, 2 l, calibrated

**Measures from tin plate****07 642**

Measure, 1 l, with metal flexible spout

07 643

Measure, 2 l, with metal flexible spout

Measuring buckets and storage cans, steel



Measuring buckets from tin plate

07 805

Measuring bucket, 5 l

07 810

Measuring bucket, 10 l



Storage cans from tin plate

08 041

Storage can, 3 l

08 042

Storage can, 5 l

08 043

Storage can, 10 l



Measuring cans, galvanized

08 062

Measuring can, 5 l,
calibratable

08 063

Measuring can, 10 l,
calibratable

08 069

Measuring can, 20 l,
calibratable

08 062 831

Measuring can, 5 l,
calibrated

08 063 831

Measuring can, 10 l,
calibrated

08 069 831

Measuring can, 20 l,
calibrated



Storage cans, galvanized

08 052

Storage can 5 l, galvanized

08 053

Storage can 10 l, galvanized

08 054

Storage can 15 l, galvanized



Fuel jerrycans / cooling water cans



Fuel jerrycans, PE

21 131

Fuel jerrycan, 5 l, BAM/RKK, UN, red, polyethylene, with flexible spout

21 133

Fuel jerrycan, 10 l, BAM/RKK, UN, red, polyethylene, with flexible spout

21 137

Fuel jerrycan, 20 l, BAM/RKK, UN, red, polyethylene, with flexible spout



Fuel jerrycan, metal

21 050

Fuel jerrycan 5 l, metal

21 055

Fuel jerrycan 10 l, metal

21 060 950

Fuel jerrycan 20 l, metal



21 127

Fuel jerrycan 20 l, BAM/RKK, UN, black, polyethylene, with flexible spout – Dimensions compatible with military jerrycans



Accessories for fuel jerrycans, metal

21 070

Rigid spout, metal, lacquered, for 21 050, 21 055, 21 060 950

21 080

Flexible spout, metal, galvanized, for 21 050, 21 055, 21 060 950



21 030

Double tank fuel jerrycan, 5 l / 2,5 l, polyethylene



99 826 450

Rubber gasket for jerrycans 21 050, 21 055, 21 060 950

99 826 451

Rubber gasket for metal spouts 21 070, 21 080



Accessories for fuel jerrycans, polyethylene

21 086

Transparent flexible spout with filler cap for fuel jerrycans 21 127, 21 131, 21 133, 21 137 from polyethylene, length 245 mm, spout Ø 20 mm



Cooling water can

21 090

Cooling water can, 11 l, polyethylene

Water jerrycans / jerrycans ECO blue

**Water jerrycans, polyethylene, with flexible spout****21 151**

Jerrycan, 5 l, for water, white, polyethylene, with flexible spout

21 153

Jerrycan, 10 l, for water, white, polyethylene, with flexible spout

21 157

Jerrycan, 20 l, for water, white, polyethylene, with flexible spout

**Water jerrycans, polyethylene, with tap****21 163**

Jerrycan, 10 l, for water, white, polyethylene, with tap

21 165

Jerrycan, 15 l, for water, white, polyethylene, with tap

21 167

Jerrycan, 20 l, for water, white, polyethylene, with tap

21 169

Jerrycan, 35 l, for water, white, polyethylene, with tap

**Water jerrycans, polyethylene, with tap and flexible spout****21 163 952**

Jerrycan, 10 l, for water, white, polyethylene, with tap and flexible spout

21 165 952

Jerrycan, 15 l, for water, white, polyethylene, with tap and flexible spout

21 167 952

Jerrycan, 20 l, for water, white, polyethylene, with tap and flexible spout

**Jerrycans ECO blue, polyethylene, for used water and oil****21 141**

Jerrycan, 5 l, ECO, blue, polyethylene, with flexible spout

21 143

Jerrycan, 10 l, ECO, blue, polyethylene, with flexible spout

21 147

Jerrycan, 20 l, ECO, blue, polyethylene, with flexible spout

**Water jerrycans, polyethylene, with flexible spout, stackable****21 193**

Jerrycan, 10 l, for water, white, polyethylene, with flexible spout

21 195

Jerrycan, 15 l, for water, white, polyethylene, with flexible spout

21 197

Jerrycan, 20 l, for water, white, polyethylene, with flexible spout

**Water jerrycans, polyethylene, with tap, stackable****21 173**

Jerrycan, 10 l, for water, white, polyethylene, with tap, stackable

21 175

Jerrycan, 15 l, for water, white, polyethylene, with tap, stackable

21 177

Jerrycan, 20 l, for water, white, polyethylene, with tap, stackable

**Water jerrycans, polyethylene, with tap and flexible spout, stackable****21 183**

Jerrycan, 10 l, for water, white, polyethylene, with tap and flexible spout, stackable

21 185

Jerrycan, 15 l, for water, white, polyethylene, with tap and flexible spout, stackable

21 187

Jerrycan, 20 l, for water, white, polyethylene, with tap and flexible spout, stackable

**Accessories for water and ECO blue jerrycans****21 088**

Dispensing tap with gasket for all water jerrycans with tap

21 089

Transparent flexible spout from polyethylene, length 245 mm, spout Ø 20 mm, with filler cap for all 5–35 l ECO blue jerrycans, water jerrycans with flexible spout and stackable water jerrycans with flexible spout

88 117

Universal gasket (NBR) for fuel jerrycans, jerrycans ECO blue and jerrycans for water



STACKABLE





Aerosol spray cans



Aerosol spray cans, 200 g

09 096

Multipurpose oil aerosol spray can, 200 ml, *

09 096 924

Multipurpose oil aerosol spray can, 200 ml,

09 096 936

Multipurpose oil aerosol spray can, 200 ml,



09 106

Electro contact aerosol spray can, 200 ml,

09 112

Universal oil aerosol spray can, 200 ml,

09 118

Silicone grease aerosol spray can, 200 ml,



Aerosol spray cans, 400 g

09 102

Rust remover aerosol spray can, 400 ml,

09 104

Motor cleanser aerosol spray can, 400 ml,

09 108

Drive belt aerosol spray can with spout, 400 ml,

09 110

PTFE-dry-film lubricant aerosol spray with spout, 400 ml,

09 114

Adhesive grease aerosol spray with spout, 400 ml,

09 116

Lubricating grease (white) aerosol spray with spout, 400 ml,

09 120

Zinc (pale) aerosol spray can, 400 ml,

09 122

Zinc (grey) aerosol spray can, 400 ml,

09 124

Silicone aerosol spray can with spout, 400 ml,

09 128

1 component primer aerosol spray can, 400 ml,

09 130

Cockpit (orange) aerosol spray can, 400 ml,



Aerosol spray cans, 500 g

09 126

Brake cleaner aerosol spray can, 500 ml,



*Languages

Available language versions for each product are indicated as country symbols:

	German, French, Dutch on the same label
	German
	English
	French
	Italian
	Spanish
	Portuguese
	Greek
	Dutch
	Swedish
	Polish
	Russian
	Czech

Lubricants for DIY purposes

**Lubricants in bottles with practical strap****09 540**

Multipurpose oil, 100 ml

10 562

Oil for compressed air tools, 100 ml

**10 571**

Cutting and drilling oil, 100 ml

10 573

Gun oil, 100 ml

**10 574**

Special chain oil, 100 ml

10 593

Adhesive oil, 100 ml

**10 595**

Special oil for sewing machines, 100 ml

10 596

Mineral oil for precision equipment, 100 ml

10 597

DIY oil, 100 ml

**10 560**

Technical vaseline, 80 g

10 564

All purpose grease, 80 g

10 565

Accumulator terminal grease, 80 g

10 566

Ball bearing lubricating grease, 80 g

**10 588**

Talcum, 50 g

10 589

Graphite, 50 g

**Lubricants in bottles without strap****10 062**

Oil for pneumatic tools, 50 ml

D-GB-F-I-E-P-NL-S-PL-RUS-CZ

**10 097**

Oil, 100 ml, D-GB-F-I-NL

10 098

Talcum, 50 g, D

10 099

Graphite, 50 g, D

**Lubricants in display cartons of 25 pieces****10 167**

DIY oil, 25 pieces, 50 ml,

D-GB-F-I-E-P-GR-NL-S-PL

10 189

Graphite, 25 pieces, 18 g,

D-GB-F-I-E-P-GR-NL-S-PL

**Lubricant set in sales promotion display package****10 830**

DIY 100 ml

Graphite 50 g

Talcum 50 g

***Languages**

Available language versions for each product are indicated as country symbols:

D-F-NL	German, French, Dutch on the same label
D	German
GB	English
F	French
I	Italian
E	Spanish
P	Portuguese
GR	Greek
NL	Dutch
S	Swedish
PL	Polish
RUS	Russian
CZ	Czech

Lubrication equipment and grease gun accessories in DIY packaging, poly bag with headcard



Grease gun accessory set, blister packed

12 110

M 10 × 1, composed of 1 universal coupler for H-and K-nipples (12 002), 1 pointed coupler (12 003), 1 hydraulic coupler (12 631), 1 spout, angled (12 635), 1 high pressure hose (12 656)

12 111

G 1/8", composed of 1 universal coupler for H-and K-nipples (12 072), 1 pointed coupler (12 073), 1 hydraulic coupler (12 731), 1 spout, angled (12 735), 1 high pressure hose (12 756)



Lever operated grease gun

12 704

Industry 1 grease gun, M 10 × 1, with filling nipple (12 670), hose and coupler (12 655 810)



12 710

Standard grease gun, M 10 × 1, with hose and coupler (12 656 810)



Push type guns set

12 112

Push type gun, 65 ml, plastic, 50 grease paste sachet (01 141), H and K type universal coupler (12 002) and pointed coupler (12 003)



Suction guns

12 912

500 ml, plastic cover, with suction hose (12 951)



12 711

Standard grease gun, M 10 × 1, with hose and coupler (12 656 810), spout and coupler (12 635 810)



12 917

500 ml, galvanized, zinc cover, with suction hose (12 951)



12 712

Standard grease gun, M 10 × 1, with filling nipple (12 670), hose and coupler (12 656 810), spout and coupler (12 635 810)



12 716 125

Standard grease gun, G 1/8", with spout and coupler (12 735 810)

Accessories for grease guns in DIY packaging

**Couplers, blister packed****12 150**

Precision machined coupler, M 10 × 1 i, Ø 13 mm, SW 13 mm (12 626)

12 151

Precision machined coupler, G 1/8" i, Ø 13 mm, SW 13 mm (12 726)

**12 156**

Precision machined coupler, M 10 × 1 i, SF, Ø 15 mm, SW Ø 13 mm (12 643)

12 157

Precision machined coupler, G 1/8" i, SF, Ø 15 mm, SW Ø 13 mm (12 743)

**12 152**

Hydraulic coupler, M 10 × 1 i, SF, Ø 15 mm, SW Ø 13 mm (12 631)

12 153

Hydraulic coupler, G 1/8" i, SF, Ø 15 mm, SW Ø 13 mm (12 731)

**Coupler Set, in poly bag****12 631 252**

M 10 × 1, composed of 1 universal coupler for H-and K-nipples (12 002), 1 pointed coupler (12 003), 1 hydraulic coupler (12 631)

**High pressure grease hoses with accessories, blister packed****12 860**

High pressure hose, M 10 × 1 a, 11 × 300 mm, with hydraulic coupler (12 631)

12 760

High pressure hose, G 1/8" a, 11 × 300 mm, with hydraulic coupler (12 731)

**12 858**

High pressure hose, M 10 × 1 a, 8 × 300 mm, with hydraulic coupler (12 631)

12 758

High pressure hose G 1/8" a, 8 × 300 mm, with hydraulic coupler (12 731)

**High pressure grease hoses, blister packed****12 855**

High pressure hose, M 10 × 1 a, 11 × 300 mm (12 655)

12 875

High pressure hose, G 1/8" a, 11 × 300 mm (12 755)

**12 861**

High pressure hose, M 10 × 1 a, 11 × 500 mm (12 665)

12 761

High pressure hose, G 1/8" a, 11 × 500 mm (12 765)

**12 857**

High pressure hose, M 10 × 1 a, 8 × 300 mm (12 656)

12 757

High pressure hose, G 1/8" a, 8 × 300 mm (12 756)

**12 859**

High pressure hose, M 10 × 1 a, 8 × 500 mm (12 666)

12 759

High pressure hose, G 1/8" a, 8 × 500 mm (12 766)

Grease nipples in DIY packaging



Hydraulic grease nipples H1, H1 A, straight, 180°, 25 pieces in poly bag

16 003

Ø 6 mm-VZ-ESN-25 pieces

16 004

Ø 8 mm-VZ-ESN-25 pieces

16 007

M 6 × 1-VZ-SK-SW 7-25 pieces

16 009

M 8 × 1-VZ-SK-SW 9-25 pieces

16 010

M 8 × 1,25-VZ-SK-SW 9-25 pieces

16 013

M 10 × 1-VZ-SK-SW 11-25 pieces

16 015

M 10 × 1,5-VZ-SK-SW11-25 pieces

16 037

G 1/8"-VZ-SK-SW 11-25 pieces

16 038

G 1/4"-VZ-SK-SW 14-25 pieces

16 062

1/4"NF(SAE)-VZ-SK-SW7-25 pieces



Hydraulic grease nipples H3, H3 A, 90°, 25 pieces in poly bag

16 203

Ø 6 mm-VZ-ESN-25 pieces

16 204

Ø 8 mm-VZ-ESN-25 pieces

16 207

M 6 × 1-VZ-VK-SW 9-25 pieces

16 209

M 8 × 1-VZ-VK-SW 9-25 pieces

16 211

M 8 × 1,25-VZ-VK-SW 9-25 pieces

16 213

M 10 × 1-VZ-VK-SW 11-25 pieces

16 215

M 10 × 1,5-VZ-VK-SW11-25 pieces

16 237

G 1/8"-VZ-VK-SW 11-25 pieces

16 238

G 1/4"-VZ-SK-SW 14-25 pieces



Hydraulic grease nipples H2, H2 A, 45°, 25 pieces in poly bag

16 103

Ø 6 mm-VZ-ESN-25 pieces

16 104

Ø 8 mm-VZ-ESN-25 pieces

16 107

M 6 × 1-VZ-VK-SW 9-25 pieces

16 109

M 8 × 1-VZ-VK-SW 9-25 pieces

16 110

M 8 × 1,25-VZ-VK-SW 9-25 pieces

16 113

M 10 × 1-VZ-VK-SW 11-25 pieces

16 115

M 10 × 1,5-VZ-VK-SW11-25 pieces

16 137

G 1/8"-VZ-VK-SW 11-25 pieces

16 138

G 1/4"-VZ-SK-SW 14-25 pieces



Button head grease nipples M1, head diameter 16 mm, 25 pieces in poly bag

16 809

M 8 × 1-VZ-SK-SW17-RK-25 pieces

16 813

M 10 × 1-VZ-SK-SW17-RK-25 pieces

16 837

G 1/8"-VZ-SK-SW 17-RK-25 pieces



Hydraulic grease nipples H1, straight, 180°, 10 pieces in DIY packaging

16 400

M 6 × 1-VZ-SK-SW 7-10 pieces

16 402

M 8 × 1-VZ-SK-SW 9-10 pieces

16 403

M 8 × 1,25-VZ-SK-SW 9-10 pieces

16 404

M 10 × 1-VZ-SK-SW 11-10 pieces

16 405

M 10 × 1,5-VZ-SK-SW11-10 pieces

16 409

G 1/8"-VZ-SK-SW 11-10 pieces

Grease nipples in DIY packaging / Grease nipple assortment boxes

**Hydraulic grease nipples H2, 45°, 5 pieces in DIY packaging****16 430**

M 6 × 1-VZ-SK-SW 9-5 pieces

16 432

M 8 × 1-VZ-SK-SW 9-5 pieces

16 433

M 8 × 1,25-VZ-SK-SW 9-5 pieces

16 434

M 10 × 1-VZ-SK-SW 11-5 pieces

16 435

M 10 × 1,5-VZ-SK-SW 11-5 pieces

16 439

G 1/8"-VZ-SK-SW 11-5 pieces

**Hydraulic grease nipples H3, 90°, 5 pieces in DIY packaging****16 460**

M 6 × 1-VZ-SK-SW 9-5 pieces

16 462

M 8 × 1-VZ-SK-SW 9-5 pieces

16 463

M 8 × 1,25-VZ-SK-SW 9-5 pieces

16 464

M 10 × 1-VZ-SK-SW 11-5 pieces

16 465

M 10 × 1,5-VZ-SK-SW 11-5 pieces

16 469

G 1/8"-VZ-SK-SW 11-5 pieces

**Hydraulic grease nipples H1, straight, 180°, H2, 45°, H3, 90°, each 5 pieces in DIY packaging****16 476**

M 6 × 1-VZ-SK/VK-SW 9-each 5 pieces

16 478

M 8 × 1-VZ-SK/VK-SW 9-each 5 pieces

16 480

M 10 × 1-VZ-SK/VK-SW 9-each 5 pieces

16 482

G 1/8"-VZ-SK/VK-SW 9-each 5 pieces

**Assortment of copper / rubber gaskets****73 005**

Copper gaskets, 540 pieces, 30 dimensions, Ø 4 – 33 mm i

**73 080**

Rubber gaskets, 278 pieces, 10 dimensions, Ø 4 – 33 mm i

**Perbunan-O-Ring gasket****73 077**

Perbunan O-Ring set, 210 pieces, 18 ABM, 7,65 × 1,78 bis 31,34 × 3,53 mm

**73 089**

Perbunan O-Ring set, 425 pieces, 30 ABM, 3 × 1,5 bis 30,3 × 3 mm

**Grease nipple assortment boxes****16 092**

Grease nipple assortment, 70 pieces

**16 090**

Grease nipple assortment, 140 pieces

**16 099**

Grease nipple assortment, 387 pieces

Multi purpose drain pans

**24 110**

Multi purpose drain pan, 6 l,
polyethylene

**24 115**

Multi purpose oil collecting drain can,
7 l, polyethylene

PRESSOL

Grease guns



VARIO SYSTEM

Wall thickness of grease gun tube 1,0 mm oder 1,5 mm

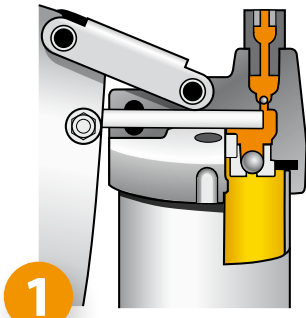
German patent no. 0 004 663

European patent no. 2 815 699

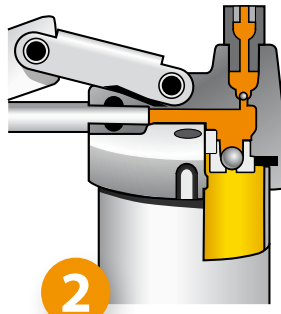
Variable Stroke System

VARIABLE STROKE SYSTEM

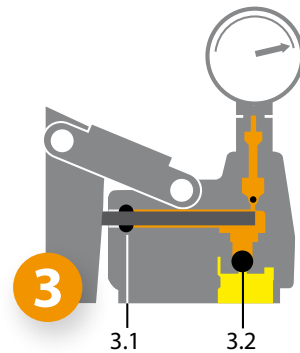
The "Variable Stroke System" even allows for viscous grease, or if there is strong back-pressure (e.g. due to gummy greasing points) to be pumped to the lubrication point. At marginal hand lever opening fat is reliably drawn, respectively pressed into the grease gun head by spring force. This allows for locations that are difficult to access to be lubricated with little effort.



1 Hand lever position to overcome strong back-pressure, e.g. due to gummy lubrication point.



2 Lever position to obtain maximum delivery (approx. 1,4 cm³ per stroke).



3 The check valve ensures lubrication even when using cold or viscous grease.

Absolutely no dummy lubrication. Gasket system: O-ring (3.1) and ball

valve (3.2) prevent grease from drawing back into the grease gun head.

POSI LOK

„POSI LOK“

The five key design features of our construction:

1. Easy cleaning and maintenance thanks to capability of full disassembly.
2. The patented PRESSOL construction with a removable cap and clamp piece is designed for manual support of the spring in any position to compress bulk grease or to operate with damaged cartridges.
3. Three way loading: bulk grease, 400-g cartridges or grease gun filler pump.
4. High-speed ventilation of the grease gun, by half rotation of the grease gun tube.
5. Easy removal of damaged cartridges

PNEUMAXX HHFP, EHFP, DLFP

Manually air pressurized grease supply into the grease gun head



- ① Grease gun connection, pressure side G 1/8" or M 10 × 1 utilizing a steel connector
- ② Filling nipple M 10 × 1
- ③ Diameter of piston for grease supply: 8 mm
- ④ Grease supply lever operated
- ⑤ Wall thickness of grease gun tube: 1.5 mm
- ⑥ Lacquered grey-blue
- ⑦ Manually operated air pump
- ⑧ –
- ⑨ Capacity 500 cm³

INDUSTRIAL GREASE GUN „ELITE K9“

Spring operated grease supply into the grease gun head



- ① Grease gun connection, pressure side G 1/8" or M 10 × 1 utilizing a steel connector
- ② Filling nipple M 10 × 1
- ③ Diameter of piston for grease supply: 9 mm
- ④ Grease supply lever operated
- ⑤ Wall thickness of grease gun tube: 1.5 mm
- ⑥ All steel components are galvanized
- ⑦ Loose plunger end cap
- ⑧ T-grip
- ⑨ Capacity: 500 cm³ or 750 cm³

MANUAL LEVER GUN FOR CONCRETE WORKS, BHHP

- ① Grease gun connection, pressure side M 10 × 1 utilizing a steel connector
- ② –
- ③ Diameter of piston for grease supply: 8 mm
- ④ Grease supply lever operated
- ⑤ Wall thickness of grease gun tube: 1.0 mm
- ⑥ All steel components are galvanized
- ⑦ Sealing cap
- ⑧ Vacuum air valve
- ⑨ Capacity: 1000 cm³

OIL GUN, HHÖP

- ① Oil gun connection, pressure side M 10 × 1
- ② –
- ③ Diameter of piston for oil supply: 9 mm
- ④ Oil supply lever operated
- ⑤ Wall thickness of oil gun tube: 1.0 mm
- ⑥ Lacquered silver
- ⑦ Screewed-on sealing cap
- ⑧ –
- ⑨ Capacity: 500 cm³

INDUSTRIAL GREASE GUN 1

Spring operated grease supply into the grease gun head



- ① Grease gun connection, pressure side G 1/8" or M 10 × 1 utilizing a steel connector
- ② Filling nipple M 10 × 1
- ③ Diameter of piston for grease supply: 9 mm
- ④ Grease supply lever operated
- ⑤ Wall thickness of grease gun tube: 1.0 mm
- ⑥ Lacquered black or galvanized
- ⑦ Loose plunger end cap
- ⑧ L-grip
- ⑨ Capacity: 500 cm³

INDUSTRIAL GREASE GUN 2

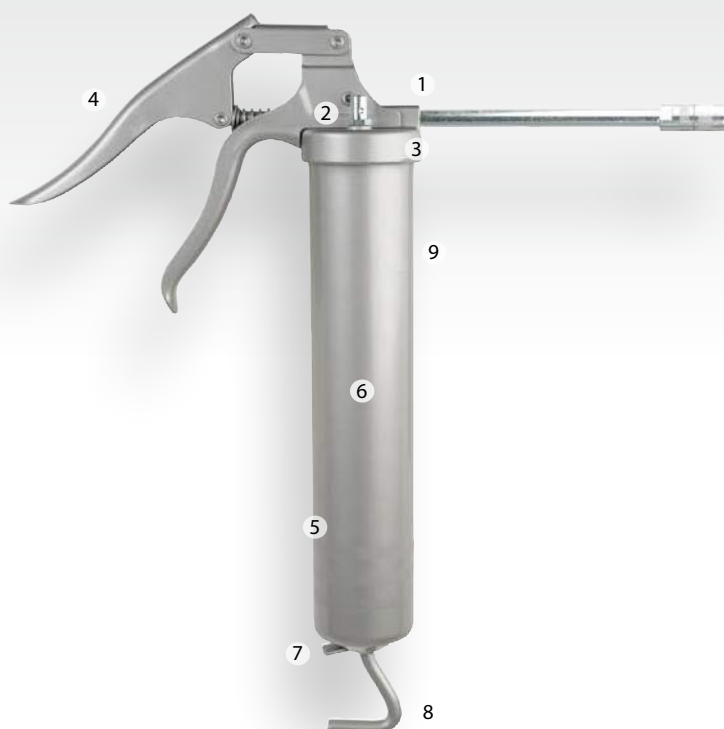
Spring operated grease supply into the grease gun head



- ① Grease gun connection, pressure side G 1/8" or M 10 × 1 utilizing a steel connector
- ② Filling nipple M 10 × 1
- ③ Diameter of piston for grease supply: 9 mm
- ④ Grease supply lever operated
- ⑤ Wall thickness of grease gun tube: 1.5 mm
- ⑥ Lacquered graphite grey
- ⑦ Loose or fixed plunger end cap
- ⑧ T-grip
- ⑨ Capacity: 300 cm³, 500 cm³, 750 cm³ or 1000 cm³

ONE HAND OPERATED GREASE GUN, EHFP

Spring operated grease supply into the grease gun head



- ① Grease gun connection, pressure side G 1/8" or M 10 × 1
- ② Filling nipple M 10 × 1
- ③ Diameter of piston for grease supply: 8 mm
- ④ Grease supply manually one hand operated
- ⑤ Wall thickness of grease gun tube: 1.0 mm
- ⑥ Lacquered graphite grey or silver
- ⑦ Loose plunger end cap
- ⑧ L-grip
- ⑨ Capacity: 500 cm³

STANDARD GREASE GUN

Spring operated grease supply into the grease gun head



- ① Grease gun connection, pressure side G 1/8" or M 10 × 1
- ② With or without filling nipple M 10 × 1
- ③ Diameter of piston for grease supply: 8 mm
- ④ Grease supply lever operated
- ⑤ Wall thickness of grease gun tube: 1.0 mm or 1.5 mm
- ⑥ Lacquered grafit grey or silver
- ⑦ Loose or fixed plunger end cap
- ⑧ T-grip or L-grip
- ⑨ Capacity: 300 cm³, 500 cm³, 750 cm³ oder 1000 cm³

AIR OPERATED GREASE GUN, DLFP

Air pressurized grease supply into the grease gun head



- ① Grease gun connection, pressure side M 10 × 1
- ② With or without filling nipple M 10 × 1
- ③ Diameter of piston for grease supply: 6 mm
- ④ Grease supply air operated with single stroke or continuous grease flow
- ⑤ Wall thickness of grease gun tube: 1.0 mm
- ⑥ Lacquered grafit grey or silver
- ⑦ Loose plunger end cap
- ⑧ L-grip
- ⑨ Capacity: 500 cm³
- ⑩ Airline connection: female quick release connector, Rectus type 26, or hose nozzle 6 mm for hose DN 6



Art. No.	Description	Capacity	POSI LOK	Sealing cover fixed	Variable Stroke System
PNEUMAxX grease guns					
12 824	PNEUMAxX HHFP, M 10 × 1, without ZBH	500 cm ³		•	
12 824 125	PNEUMAxX HHFP, G 1/8", without ZBH	500 cm ³		•	
12 826	PNEUMAxX HHFP, M 10 × 1, with ZBH	500 cm ³		•	
12 826 125	PNEUMAxX HHFP, G 1/8", with ZBH	500 cm ³		•	
Industrial grease guns 3 „ELITE K9“					
12 676	Industrial grease gun 3 Elite K9, HHFP, M 10 × 1 / G1/8", without ZBH	500 cm ³	•		•
12 676 040	Industrial grease gun 3 Elite K9, HHFP, G 1/8", with ZBH	500 cm ³	•		•
12 676 302	Industrial grease gun 3 Elite K9, HHFP, M 10 × 1, with ZBH	500 cm ³	•		•
12 678	Industrial grease gun 3 Elite K9, HHFP, M 10 × 1 / G1/8", without ZBH	750 cm ³	•		•
Industrial grease guns 2					
12 695	Industrial grease gun 2, HHFP, M 10 × 1, without ZBH	500 cm ³	•		•
12 675	Industrial grease gun 2, HHFP, M 10 × 1, with ZBH	500 cm ³	•		•
12 675 125	Industrial grease gun 2, HHFP, G 1/8", with ZBH	500 cm ³	•		•
12 679	Industrial grease gun 2, HHFP, M 10 × 1, with ZBH	500 cm ³	•		•
12 698	Industrial grease gun 2, HHFP, M 10 × 1, with ZBH	500 cm ³	•		•
12 698 125	Industrial grease gun 2, HHFP, G 1/8", with ZBH	500 cm ³	•		•
Industrial grease guns 2 – sealing cover fixed					
12 684 780	Industrial grease gun 2, HHFP, M 10 × 1, without ZBH	300 cm ³		•	•
12 684 790	Industrial grease gun 2, HHFP, G 1/8", without ZBH	300 cm ³		•	•
12 638 780	Industrial grease gun 2, HHFP, M 10 × 1, without ZBH	500 cm ³		•	•
12 638 790	Industrial grease gun 2, HHFP, G 1/8", without ZBH	500 cm ³		•	•
12 638 778	Industrial grease gun 2, HHFP, M 10 × 1, with ZBH	500 cm ³		•	•
12 638 793	Industrial grease gun 2, HHFP, G 1/8", with ZBH	500 cm ³		•	•
12 638 794	Industrial grease gun 2, HHFP, G 1/8", with ZBH	500 cm ³		•	•
12 638 799	Industrial grease gun 2, HHFP, M 10 × 1, with ZBH	500 cm ³		•	•
12 685 780	Industrial grease gun 2, HHFP, M 10 × 1, without ZBH	750 cm ³		•	•
12 685 790	Industrial grease gun 2, HHFP, G 1/8", without ZBH	750 cm ³		•	•
12 685 783	Industrial grease gun 2, HHFP, M 10 × 1, with ZBH	750 cm ³		•	•
12 686 780	Industrial grease gun 2, HHFP, M 10 × 1, without ZBH	1000 cm ³		•	•
12 686 790	Industrial grease gun 2, HHFP, G 1/8", without ZBH	1000 cm ³		•	•
Industrial grease guns 1					
12 637	Industrial grease gun 1, HHFP, M 10 × 1, without ZBH	500 cm ³	•		•
12 637 125	Industrial grease gun 1, HHFP, G 1/8", without ZBH	500 cm ³	•		•
12 637 101	Industrial grease gun 1, HHFP, M 10 × 1, with ZBH	500 cm ³	•		•
12 636	Industrial grease gun 1, HHFP, M 10 × 1, without ZBH	500 cm ³	•		•
12 636 125	Industrial grease gun 1, HHFP, G 1/8", without ZBH	500 cm ³	•		•
12 636 100	Industrial grease gun 1, HHFP, M 10 × 1, with ZBH	500 cm ³	•		•
12 636 101	Industrial grease gun 1, HHFP, M 10 × 1, with ZBH	500 cm ³	•		•
12 636 102	Industrial grease gun 1, HHFP, G 1/8", with ZBH	500 cm ³	•		•
12 636 103	Industrial grease gun 1, HHFP, G 1/8", with ZBH	500 cm ³	•		•
12 736 128	Industrial grease gun 1, HHFP, G 1/8", with ZBH	500 cm ³	•		•
Standard grease guns					
12 638	Standard grease gun, HHFP, M 10 × 1, without ZBH	500 cm ³	•		
12 638 125	Standard grease gun, HHFP, G 1/8", without ZBH	500 cm ³	•		
12 538	Standard grease gun, HHFP, M 10 × 1, without ZBH	500 cm ³	•		
12 538 125	Standard grease gun, HHFP, G 1/8", without ZBH	500 cm ³	•		
12 630	Standard grease gun, HHFP, M 10 × 1, with ZBH	500 cm ³	•		
12 630 125	Standard grease gun, HHFP, G 1/8", with ZBH	500 cm ³	•		
12 630 950	Standard grease gun, HHFP, M 10 × 1, with ZBH	500 cm ³	•		

DOUBLE LOCK	DIN 1283	Wall thickness of grease gun tube	Lacquering	High pressure hose 11 × 300 mm	High pressure hose 8 × 300 mm	Rigid	Precision machined coupler	Hydraulic coupler	Filling valve	Sales package	Polybag
		1,5 mm	grey						•	•	
		1,5 mm	grey						•	•	
		1,5 mm	grey	12 655		12 635	12 643 (2x)		•	•	
		1,5 mm	grey	12 755		12 735	12 743 (2x)		•	•	
•	•	1,5 mm	galvanized						•	•	
•	•	1,5 mm	galvanized	12 755		12 735	12 743 (2x)		•	•	
•	•	1,5 mm	galvanized	12 655				12 631	•	•	
•		1,5 mm	galvanized						•	•	
•	•	1,5 mm	graphite-grey						•	•	
•	•	1,5 mm	graphite-grey			12 635	12 643		•	•	
•	•	1,5 mm	graphite-grey			12 735	12 743		•	•	
•	•	1,5 mm	graphite-grey	12 655			12 643		•	•	
•	•	1,5 mm	graphite-grey	12 655		12 635	12 643 (2x)		•	•	
•	•	1,5 mm	graphite-grey	12 755		12 735	12 743 (2x)		•	•	
•		1,5 mm	graphite-grey						•	•	
•		1,5 mm	graphite-grey						•	•	
•	•	1,5 mm	graphite-grey						•	•	
•	•	1,5 mm	graphite-grey			12 635		12 631	•	•	
•	•	1,5 mm	graphite-grey			12 735	12 743		•	•	
•	•	1,5 mm	graphite-grey	12 755			12 743		•	•	
•	•	1,5 mm	graphite-grey	12 655			12 643		•	•	
•		1,5 mm	graphite-grey						•	•	
•		1,5 mm	graphite-grey						•	•	
•		1,5 mm	graphite-grey	12 665 (500 mm)			12 643		•	•	
•		1,5 mm	graphite-grey						•	•	
•		1,5 mm	graphite-grey						•	•	
•	•	1,0 mm	galvanized						•	•	
•	•	1,0 mm	galvanized						•	•	
•	•	1,0 mm	galvanized	12 655				12 631	•	•	
•	•	1,0 mm	black						•	•	
•	•	1,0 mm	black						•	•	
•	•	1,0 mm	black			12 635		12 631	•	•	
•	•	1,0 mm	black	12 655				12 631	•	•	
•	•	1,0 mm	black			12 735		12 731	•	•	
•	•	1,0 mm	black	12 755				12 731	•	•	
•	•	1,0 mm	black	12 755		12 735		12 731 (2x)	•	•	
•		1,0 mm	silver								•
•		1,0 mm	silver								•
•		1,5 mm	silver								•
•		1,5 mm	silver								•
•		1,0 mm	silver		12 656			12 631			•
•		1,0 mm	silver		12 756			12 731			•
•		1,0 mm	silver		12 666 (500 mm)			12 631	•		•



Art. No.	Description	Capacity	POSI LOK	Sealing cover fixed	Variable Stroke System
Standard grease guns					
12 633	Standard grease gun, HHFP, M 10 x1, with ZBH	500 cm ³	•		
12 633 125	Standard grease gun, HHFP, G 1/8", with ZBH	500 cm ³	•		
12 633 950	Standard grease gun, HHFP, M 10 x1, with ZBH	500 cm ³	•		
12 733 804	Standard grease gun, HHFP, G 1/8", with ZBH	500 cm ³	•		
12 632	Standard grease gun, HHFP, M 10 x 1, with ZBH	500 cm ³	•		
12 632 125	Standard grease gun, HHFP, G 1/8", with ZBH	500 cm ³	•		
12 632 950	Standard grease gun, HHFP, M 10 x 1, with ZBH	500 cm ³	•		
12 634	Standard grease gun, HHFP, M 10 x1, with ZBH	500 cm ³	•		
12 634 125	Standard grease gun, HHFP, G 1/8", with ZBH	500 cm ³	•		
12 634 950	Standard grease gun, HHFP, M 10 x1, with ZBH	500 cm ³	•		
12 734 804	Standard grease gun, HHFP, G 1/8", with ZBH	500 cm ³	•		
Standard grease guns – sealing cover fixed					
12 684 782	Standard grease gun, HHFP, M 10 x 1, without ZBH	300 cm ³		•	
12 684 792	Standard grease gun, HHFP, G 1/8", without ZBH	300 cm ³		•	
12 638 782	Standard grease gun, HHFP, M 10 x 1, without ZBH	500 cm ³		•	
12 638 792	Standard grease gun, HHFP, G 1/8", without ZBH	500 cm ³		•	
12 638 776	Standard grease gun, HHFP, M 10 x 1, with ZBH	500 cm ³		•	
12 638 796	Standard grease gun, HHFP, G 1/8", with ZBH	500 cm ³		•	
12 638 797	Standard grease gun, HHFP, G 1/8", with ZBH	500 cm ³		•	
12 685 782	Standard grease gun, HHFP, M 10 x 1, without ZBH	750 cm ³		•	
12 685 792	Standard grease gun, HHFP, G 1/8", without ZBH	750 cm ³		•	
12 686 782	Standard grease gun, HHFP, M 10 x 1, without ZBH	1000 cm ³		•	
12 686 792	Standard grease gun, HHFP, G 1/8", without ZBH	1000 cm ³		•	
One hand operated grease guns					
12 226	One hand operated grease gun EHFP, M 10 x 1 with ZBH	125 cm ³	•		
12 276	One hand operated grease gun EHFP, G 1/8" with ZBH	125 cm ³	•		
12 250	One hand operated grease gun EHFP, M 10 x 1 with ZBH	500 cm ³	•		
12 270	One hand operated grease gun EHFP, G 1/8", with ZBH	500 cm ³	•		
12 250 950	One hand operated grease gun EHFP, M 10 x 1, with ZBH	500 cm ³	•		
12 254	One hand operated grease gun EHFP, M 10 x 1 with ZBH	500 cm ³	•		
12 274	One hand operated grease gun EHFP, G 1/8", with ZBH	500 cm ³	•		
12 282	PNEUMAx One hand operated grease gun, EHFP, M 10 x 1, with ZBH	500 cm ³		•	
12 282 125	PNEUMAx One hand operated grease gun, EHFP, G 1/8", with ZBH	500 cm ³		•	
Two hand operated grease guns					
12850	One hand operated grease gun-ZHFP, Connection M 10 x 1 und G 1/8"				
12851	One hand operated grease gun-ZHFP, with ZBH-Connection M 10 x 1				
Compressed air grease guns					
18 066	PNEUMAx, DLFP Automatik, M 10x1, with ZBH	500 cm ³		•	
18 066 125	PNEUMAx, DLFP Automatik, G 1/8", with ZBH	500 cm ³		•	
18 071	Compressed air grease gun DLFP, M 10 x 1, with ZBH	500 cm ³	•		
18 072	Compressed air grease gun DLFP, M 10 x 1, with ZBH	500 cm ³	•		
18 073	Compressed air grease gun DLFP Automatik, M 10 x 1, with ZBH	500 cm ³	•		
18 073 125	Compressed air grease gun DLFP Automatik, G 1/8", with ZBH	500 cm ³	•		
18 074	Compressed air grease gun DLFP + Kopf für HHFP, M 10 x 1, with ZBH	500 cm ³	•		
18 077	Compressed air grease gun DLFP Automatik, M 10 x 1, with ZBH	500 cm ³	•		
Accu grease gun / Manual lever gun for concrete works					
18 040	Accu grease gun with accessories	500 cm ³		•	
12 688	Manual lever gun for concrete works , BHHP, M 10 x 1, without ZBH	1000 cm ³		•	
Lever operated oil gun					
12 602	Lever operated oil gun HHÖP, M 10 x 1, with ZBH	500 cm ³		•	
12 602 125	Lever operated oil gun HHÖP, G 1/8", with ZBH	500 cm ³		•	

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Lever operated grease guns industrial versions K9 and K10 / PNEUMAxX



Industrial grease guns ELITE K9

12 676

Industrial grease gun Elite K9, HHFP, 500 cm³, M 10 x 1, with adapter for G 1/8", in sales package



12 676 040

Industrial grease gun Elite K9, HHFP, 500 cm³, G 1/8" with ZBH 12 755 + 12 735 + (2 x 12 743), in sales package

12 676 956

Industrial grease gun Elite K9, HHFP, 500 cm³, M 10 x 1, with ZBH 12 655 + 12 635 + 2 x 12 643, in sales package



12 676 302

Industrial grease gun Elite K9, HHFP, 500 cm³, M 10 x 1, with ZBH 12 655 + 12 631, in sales package



12 678

Industrial grease gun Elite K9, HHFP, 750 cm³, M 10 x 1, with adapter for G 1/8", in sales package



12 678 302

Industrial grease gun Elite, HHFP, 750 cm³, M 10 x 1, with ZBH 12 655 + 12 631, in sales package



Two-hands operated grease guns K10

12 850

Two-hands operated grease gun, M 10 x 1, with adapter for G 1/8"



12 851

Two-hands operated grease gun, M 10 x 1, with adapter for G 1/8", with ZBH 12 655 + 12 643



12 524

Grease cartridge 500 g, multi purpose grease-NLGI 2 – Screw-in cartridge for two-hands operated grease guns 12850, 12851



PNEUMAxX Industrial grease guns

12 826

PNEUMAxX HHFP, M 10 x 1 with ZBH 12 655 + 12 635 + 2 x 12 643, in sales package

12 826 125

PNEUMAxX HHFP, G 1/8" with ZBH 12 755 + 12 735 + 2 x 12 743, in sales package



12 282

PNEUMAxX One hand operated grease gun, EHFP, 500 cm³, M 10 x 1 with ZBH 12 655 + 12 635 + 2 x 12 643, in sales package

12 282 125

PNEUMAxX One hand operated grease gun, EHFP, 500 cm³, G 1/8" with ZBH 12 755 + 12 735 + 2 x 12 743, in sales package



18 066

PNEUMAxX, Compressed air grease gun DLFP automatic with ZBH 12 655 + 12 635 + 2 x 12 643, in sales package

18 066 125

PNEUMAxX, Compressed air grease gun DLFP automatic with ZBH 12 755 + 12 735 + 2 x 12 743, in sales package



PNEUMAxX accessories

12 519

Empty grease cartridge 400 g, for all types of PNEUMAxX grease guns



12 094

PNEUMAxX follower piston, for DIN cartridges

Lever operated grease guns industrial version 2

**Industrial grease guns 2 – POSI Lok****12 695**

Industrial grease gun 2, HHFP,
M 10 × 1, with adapter for G 1/8",
in sales package

**12 675**

Industrial grease gun 2, HHFP,
M 10 × 1 with ZBH 12 635 + 12 643, in
sales package

12 675 125

Industrial grease gun 2, HHFP,
G 1/8" with ZBH 12 735 + 12 743,
in sales package

**12 679**

Industrial grease gun 2, HHFP,
M 10 × 1 with ZBH 12 655 + 12 643,
in sales package

12 679 125

Industrial grease gun 2, HHFP,
G 1/8" with ZBH 12 755 + 12 743,
in sales package

**12 698**

Industrial grease gun 2, HHFP,
M 10 × 1, with ZBH 12 655 + 12 635 +
2 × 12 643, in sales package

12 698 125

Industrial grease gun 2, HHFP,
G 1/8" with ZBH 12 755 + 12 735 +
2 × 12 743, in sales package

**Industrial grease guns 2 – sealing cover fixed****12 638 780**

Industrial grease gun 2, HHFP,
sealing cover fixed, M 10 × 1,
with adapter for G 1/8",
in sales package

**12 638 778**

Industrial grease gun 2, HHFP,
sealing cover fixed, M 10 × 1,
with ZBH 12 635 + 12 631,
in sales package

**13 638 799**

Industrial grease gun 2, HHFP,
sealing cover fixed, M 10 × 1,
with ZBH 12 655 + 12 643,
in sales package

**12 685 780**

Industrial grease gun 2, HHFP,
sealing cover fixed, 750 cm³,
M 10 × 1, with adapter for G 1/8",
in polybag

**12 686 780**

Industrial grease gun 2, HHFP,
sealing cover fixed, 1000 cm³,
M 10 × 1, with adapter for G 1/8",
in polybag

Lever operated grease guns industrial version 1



Industrial grease guns 1 – POSI Lok

12 636

Industrial grease gun 1, HHFP, M 10 x 1, with adapter for G 1/8", in sales package



12 636 100

Industrial grease gun 1, HHFP, M 10 x 1 with ZBH 12 635 + 12 631, in sales package

12 636 102

Industrial grease gun 1, HHFP, G 1/8" with ZBH 12 735 + 12 731, in sales package



12 636 101

Industrial grease gun 1, HHFP, M 10 x 1 with ZBH 12 655 + 12 631, in sales package

12 636 103

Industrial grease gun 1, HHFP, G 1/8" with ZBH 12 755 + 12 731, in sales package



12 736 128

Industrial grease gun 1, HHFP, G 1/8" with ZBH 12 755 + 12 735 + 2 x 12 731, in sales package



12 637

Industrial grease gun 1, HHFP, M 10 x 1, with adapter for G 1/8", galvanized, in sales package



12 637 101

Industrial grease gun 1, HHFP, M 10 x 1, galvanized, with ZBH 12 655 + 12 631, in sales package

Lever operated grease guns standard version



Standard grease guns – POSI Lok

12 638

Standard grease gun, HHFP, M 10 x 1, with adapter for G 1/8", in polybag



12 632 Standard grease gun, HHFP, M 10 x 1 with ZBH 12 635 + 12 631, in polybag

12 632 125 Standard grease gun, HHFP, G 1/8" with ZBH 12 735 + 12 731, in polybag



12 634 Standard grease gun, HHFP, M 10 x 1 with ZBH 12 635 + 12 631, in sales package

12 634 125 Standard grease gun, HHFP, G 1/8" with ZBH 12 735 + 12 731, in sales package

12 634 950 Standard grease gun, HHFP, M 10 x 1 with ZBH 12 635 + 12 631 + 12 670, in sales package

12 734 804 Standard grease gun, HHFP, G 1/8" with ZBH 12 735 + 12 731 + 12 670, in sales package



12 734 805

Standard grease gun, HHFP, G 1/8" with ZBH 12 735 + 12 731 + 12 756, in sales package



12 630 Standard grease gun, HHFP, M 10 x 1 with ZBH 12 656 + 12 631, in polybag

12 630 125 Standard grease gun, HHFP, G 1/8" with ZBH 12 756 + 12 731, in polybag



12 633 Standard grease gun, HHFP, M 10 x 1 with ZBH 12 656 + 12 631, in sales package

12 633 125 Standard grease gun, HHFP, G 1/8" with ZBH 12 756 + 12 731, in sales package

12 633 950 Standard grease gun, HHFP, M 10 x 1 with ZBH 12 656 + 12 631 + 12 670, in sales package

12 733 804 Standard grease gun, HHFP, G 1/8" with ZBH 12 756 + 12 731 + 12 670, in sales package

Lever operated grease guns standard version



Standard grease guns – sealing cover fixed

12 684 782

Standard grease gun, HHFP, sealing cover fixed, 300 cm³, M 10 × 1, with adapter for G 1/8", in sales package



12 638 782

Standard grease gun, HHFP, sealing cover fixed, M 10 × 1, with adapter for G 1/8", in sales package



12 638 776

Standard grease gun, HHFP, sealing cover fixed, M 10 × 1, with ZBH 12 635 + 12 631, in sales package



12 685 782

Standard grease gun, HHFP, sealing cover fixed, 750 cm³, M 10 × 1, with adapter for G 1/8", in polybag



12 686 782

Standard grease gun, HHFP, sealing cover fixed, 1000 cm³, M 10 × 1, with adapter for G 1/8"

One hand operated grease guns standard version / industrial version



One hand operated grease gun - standard version

12 226 One hand operated grease gun EHFP, 125 cm³, M 10 × 1 with ZBH 12 435 + 12 631

12 276 One hand operated grease gun EHFP, 125 cm³, G 1/8" with ZBH 12 475 + 12 731



12 250 One hand operated grease gun EHFP, 500 cm³, M 10 × 1 with ZBH 12 435 + 12 631

12 270 One hand operated grease gun EHFP, 500 cm³, G 1/8" with ZBH 12 475 + 12 731



12 254 One hand operated grease gun EHFP, 500 cm³, M 10 × 1 with ZBH 12 655 + 12 435 + 2 × 12 631

12 274 One hand operated grease gun EHFP, 500 cm³, G 1/8" with ZBH 12 755 + 12 475 + 2 × 12 731



12 250 950

One hand operated grease gun EHFP, 500 cm³, M 10 × 1 with ZBH 12 435 + 12 631 + 12 656



One hand operated grease gun - industrial version

12 256

One hand operated grease gun EHFP, industrial version, 500 cm³, M 10 × 1 with ZBH 12 655 + 12 643, 2 lubricating positions (volume or pressure)

Special grease guns / one hand operated grease guns / compressed air grease guns / accu grease gun



Lever operated oil gun

12 602

Oil gun HHÖP, 500 cm³, M 10 × 1, with ZBH 12 635 + 12 642, in polybag



Manual lever gun for concrete works

12 688

Manual lever gun for concrete works, BHHP, M 10 × 1, 1000 cm³, in polybag



Compressed air grease guns

18 071

Compressed air grease gun DLFP standard, M 10 × 1, with ZBH 12 635 + 12 631, in polybag



18 072

Compressed air grease gun DLFP standard, M 10 × 1, with ZBH 12 655 + 12 631, in sales package



18 074

Compressed air grease gun DLFP standard + head for HHFP, M 10x1, with ZBH 12 656 + 12 635 + 2 × 12 631, in sales package



18 073

Compressed air grease gun DLFP automatic, M 10 × 1, with ZBH 12 435 + 12 643), in sales package

18 073 125

Compressed air grease gun DLFP automatic, G 1/8", with ZBH 12 475 + 12 743), in sales package



18 077

Compressed air grease gun DLFP automatic, M 10 × 1, with ZBH 12 665 + 12 435 + 2 × 12 643, in sales package



ACCU Grease gun

18 040

ACCU grease gun with accessories, 18V, 2 batteries included



with plastic case

Accessories for the ACCU grease gun

18 041

Battery for the ACCU grease gun (18 040)

Grease gun accessories · High pressure hoses industrial version DIN 1283

**High pressure grease hoses
11 x 230 mm****12 751**

High pressure grease hose G 1/8" a,
11 x 230 mm

12 751 123

High pressure grease hose M 10 x 1 a,
11 x 230 mm

**High pressure grease hoses
11 x 300 mm****12 655**

High pressure grease hose M 10 x 1 a,
11 x 300 mm

12 755

High pressure grease hose G 1/8" a,
11 x 300 mm

**12 655 809**

High pressure grease hose M 10 x 1 a,
11 x 300 mm, with 4 jaws coupler
(12 643)

12 755 809

High pressure grease hose G 1/8" a,
11 x 300 mm, with 4 jaws coupler
(12 743)

**12 655 810**

High pressure grease hose M 10 x 1 a,
11 x 300 mm, with 4 jaws coupler
(12 631)

12 755 810

High pressure grease hose G 1/8" a,
11 x 300 mm, with 4 jaws coupler
(12 731)

**12 655 818**

High pressure grease hose M 10 x 1 a,
11 x 300 mm, with 16 mm button head
coupler SCK 12 062

12 755 818

High pressure grease hose G 1/8" a,
11 x 300 mm, with 16 mm button head
coupler SCK 12 062 125

**12 655 819**

High pressure grease hose M 10 x 1 a,
11 x 300 mm, with 22 mm button head
coupler SCK 12 063

12 755 819

High pressure grease hose G 1/8" a,
11 x 300 mm, with 22 mm button head
coupler SCK 12 063 125

**High pressure grease hoses
11 x 500 mm****12 665**

High pressure grease hose M 10 x 1 a,
11 x 500 mm

12 765

High pressure grease hose G 1/8" a,
11 x 500 mm

**12 665 809**

High pressure grease hose M 10 x 1 a,
11 x 500 mm, with 4 jaws coupler
(12 643)

12 765 809

High pressure grease hose G 1/8" a,
11 x 500 mm, with 4 jaws coupler
(12 743)

**12 665 810**

High pressure grease hose M 10 x 1 a,
11 x 500 mm, with 4 jaws coupler
(12 631)

12 765 810

High pressure grease hose G 1/8" a,
11 x 500 mm, with 4 jaws coupler
(12 731)

**12 665 818**

High pressure grease hose M 10 x 1 a,
11 x 500 mm, with 16 mm button head
coupler SCK 12 062

12 765 818

High pressure grease hose G 1/8" a,
11 x 500 mm, with 16 mm button head
coupler SCK 12 062 125

**12 665 819**

High pressure grease hose M 10 x 1 a,
11 x 500 mm, with 22 mm button head
coupler SCK 12 063

12 765 819

High pressure grease hose G 1/8" a,
11 x 500 mm, with 22 mm button head
coupler SCK 12 063 125

**High pressure grease hose
11 x 1500 mm****12 765 601**

High pressure grease hose G 1/8" a,
11 x 1500 mm

Grease gun accessories • High pressure hoses standard version DIN 1283 – Rigid spouts



High pressure grease hoses 8 × 230 mm

12 753

High pressure grease hose G 1/8" a,
8 × 230 mm

12 755 810

High pressure grease hose G 1/8"
a, 11 × 300 mm with 4 jaws coupler
(12 731)



High pressure grease hoses 8 × 300 mm

12 656

High pressure grease hose M 10 × 1 a,
8 × 300 mm

12 756

High pressure grease hose G 1/8" a,
8 × 300 mm



12 656 810

High pressure grease hose M 10 × 1
a, 8 × 300 mm, with 4 jaws coupler
(12 631)

12 756 810

High pressure grease hose G 1/8"
a, 8 × 300 mm, with 4 jaws coupler
(12 731)



High pressure grease hoses 8 × 500 mm

12 666

High pressure grease hose M 10 × 1 a,
8 × 500 mm

12 756

High pressure grease hose G 1/8" a,
8 × 300 mm



12 666 810

High pressure grease hose M 10 × 1
a, 8 × 500 mm, with 4 jaws coupler
(12 631)

12 756 810

High pressure grease hose G 1/8"
a, 8 × 300 mm, with 4 jaws coupler
(12 731)



Rigid spouts

12 435

Spout, straight, M 10 × 1 a, 150 mm

12 475

Spout, straight, G 1/8" a, 150 mm



12 635

Spout, angled, M 10 × 1 a, 150 mm

12 735

Spout, angled, G 1/8" a, 150 mm



12 635 810

Spout, angled, M 10 × 1 a,
with 4 jaws hydraulic coupler (12 631)

12 735 810

Spout, angled, G 1/8" a,
with 4 jaws hydraulic coupler (12 731)



12 635 814

Spout, angled, M 10 × 1 a,
with universal coupler (12 002)

12 735 814

Spout, angled, G 1/8" a,
with universal coupler (12 072)



12 635 816

Spout, angled, M 10 × 1 a,
with pointed coupler (12 003)

12 735 816

Spout, angled, G 1/8" a,
with pointed coupler (12 073)

Grease gun accessories · Couplers – Button head couplers – Accessories

**Pointed couplers****12 003**

Pointed coupler, M 10 x 1 i, for funnel type grease nipples

12 073

Pointed coupler, G 1/8" i, for funnel type grease nipples

**Universal couplers****12 002**

Universal coupler, M 10 x 1 i, for H- and K-nipples

12 072

Universal coupler, G 1/8" i, for H- and K-nipples

**12 071**

Universal coupler, M 10 x 1 for push type grease guns

**Bayonet couplers****12 013**

Bayonet coupler, M 10 x 1 i

12 023

Bayonet coupler, G 1/8" i

**Retention adapters****12 016**

Retention adapter, G 1/8" i, M 10 x 1 a

12 086

Retention adapter, G 1/8" a, M 10 x 1 i

**Angles couplers****12 035**

Angle 90°, M 10 x 1 i, M 10 x 1 a

12 035 805

Angle 90°, G 1/8" i, G 1/8" a

**Button head couplers**

12 061 Button head coupler, slide-on type, M 10 x 1 i, for M- and T-nipples, 16 mm, brass

12 061 125 Button head coupler, slide-on type, G 1/8" i, for M- and T-nipples, 16 mm, brass

**12 060**

Button head coupler M 10 x 1 i, for button head grease nipples 10 mm, brass

12 060 125

Button head coupler G 1/8" i for button head grease nipples 10 mm, brass

**12 062**

Button head coupler, M 10 x 1 i, for button head grease nipples 16 mm, brass

12 062 125

Button head coupler, G 1/8" i, for button head grease nipples 16 mm, brass

**12 010 401**

Button head coupler with rotary swivel, M 10 x 1 i, for button head grease nipples 16 mm, brass

**12 063**

Button head coupler, M 10 x 1 i, for button head grease nipples 22 mm, brass

12 063 125

Button head coupler, G 1/8" i, for button head grease nipples 22 mm, brass

**Filling nipples for grease guns****12 669**

Filling nipple for grease gun head, M 10 x 1 a, Ø 13 mm

12 670

Filling nipple for grease gun head, M 10 x 1 a, Ø 9 mm

**12 699**

Wall-mounting bracket for grease guns

Grease gun accessories • Hydraulic couplers – Quick release adapters with accessories



4 jaws hydraulic couplers

12 643

Precision machined coupler M 10 × 1 i, with SF, Ø 15 mm, 4 jaws

12 743

Precision machined coupler G 1/8" i with SF, Ø 15 mm, 4 jaws



12 631

Hydraulic coupler M 10 × 1 i with SF, Ø 15 mm, 4 jaws

12 631 104

Hydraulic coupler M 10 × 1 i with SF, Ø 15 mm, 4 jaws – 20 pieces in sales package

12 731

Hydraulic coupler G 1/8" i with SF, Ø 15 mm, 4 jaws



12 631 252

Coupler set, M 10 × 1, composed of (12 631 + 12 002 + 12 003)



12 642

Hydraulic coupler, M 10 × 1 i, with SF, Ø 15 mm, with valve



12 626

Precision machined coupler, M 10 × 1 i with SF, Ø 13 mm

12 726

Precision machined coupler, G 1/8" i with SF, Ø 13 mm



Quick release adapters with accessories

12 006

Quick release adapter, M 10 × 1 i

12 006 125

Quick release adapter, G 1/8" i



12 042

Quick release adapter, spout + coupler for K-nipples (12 435 + 12 002)



12 043

Quick release adapter, spout + coupler for D-nipples (12 435 + 12 003)



12 044

Quick release adapter, spout + coupler for M1-/T1-nipples (12 435 + 12 061)



12 054

Quick release adapter, spout + coupler for M22-nipples (12 435 + 12 063)



12 057

Quick release adapter, spout + coupler for M22-nipples (12 635 + 12 063)



12 055

Quick release adapter, spout + coupler for M4-nipples (12 435 + 12 052)



12 056

Quick release adapter, Spout + coupler for H-nipples (12 635 + 12 631)



12 048

Quick release adapter, hose 300 mm + coupler for H-nipples (12 655 + 12 631)



12 049

Quick release adapter, hose 500 mm + coupler for H-nipples (12 665 + 12 631)

Grease gun accessories

**17 020**

Standard accessory set, M 10 x 1

17 020 125

Standard accessory set, G 1/8"

**17 023**

Industrial accessory set, M 10 x 1

17 023

Industrial accessory set, G 1/8"

Grease gun accessories · Grease cartridges – Grease containers

**400 g grease cartridges for 500 cm³ grease guns according to DIN 1283****12 511**

Grease cartridge 400 g, NLGI 2, multi purpose grease, according to DIN 1284

**12 507**

Grease cartridge 400 g, NLGI 2, multi purpose grease with graphite, according to DIN 1284

**12 516**

Grease cartridge 400 g, NLGI 2, high-temperature grease, according to DIN 1284

**12 518**

Grease cartridge 400 g, NLGI 2, friction bearing grease with MoS2, according to DIN 1284

**12 524**

Grease cartridge 500 g, NLGI 2, multi purpose grease, cartridge to screw-in to fit in two-hands operated grease guns 12850, 12851

**1 kg grease container****12 501**

Grease container, 1 kg, NLGI 2

**01 141**

Grease packet, 50g, multi purpose grease, for filling push type guns and refilling item Nr. (12 112)

Push type guns for grease – Suction guns



Push type guns in plastic for grease

12 321

Push type gun 65 ml, plastic, for D-nipples (12 003)

12 322

Push type gun 150 ml, plastic, for D-nipples (12 003)



12 331

Push type gun 65 ml, plastic, for H- and K-nipples (12 002)

12 332

Push type gun 150 ml, plastic, for H- and K-nipples (12 002)



Push type guns in steel for grease

12 362 Push type gun 80 ml, steel, set for H- K- und D-nipples

12 363 Push type gun 150 ml, steel, set for H- K- und D-nipples

12 365 Push type gun 300 ml, steel, set for H- K- und D-nipples

Suction guns – Industrial versions, nickel-plated

12 931

Suction gun 500 ml, Elite version, completely nickel-plated

12 932

Suction gun 1000 ml, Elite version, completely nickel-plated

12 944

Spout, straight, 270 mm, steel, galvanized

12 954

Flexible hose, transparent, 470 mm

12 955

Suction piston, for (12 931 + 12 932)

Suction guns, brass polished, zinc caps

12 935

Suction gun 500 ml, brass polished, zinc covers

12 936

Suction gun 1000 ml, brass polished, zinc covers

Suction guns – Standard versions, painted

12 902

Suction gun 500 ml, with plastic covers, flexible hose 350 mm

12 910

Suction gun 500 ml, silver painted, zinc covers, flexible hose 350 mm

12 910 952

Suction gun 500 ml, silver painted, zinc covers, with flexible hose 350 mm (12 951), angled spout (12 635) and straight spout (12 435)

Suction guns – Standard versions, galvanized

12 907

Suction gun 500 ml, galvanized, with zinc covers, flexible hose 350 mm

12 908

Suction gun 1000 ml, galvanized, with zinc covers, flexible hose 350 mm

12 940

Suction gun 500 ml, double acting, aluminium, with 2 flexible hoses 500 mm

Accessories for suction guns

12 942

Spout, straight, 220 mm, steel, galvanized

12 951

Flexible hose, transparent, 350 mm



Lubrication systems, grease filling systems, trolleys



Type	Capacity	Inside Diameter Ø
	5 kg	180 – 210 mm
	10 kg	210 – 240 mm
	15 kg	240 – 270 mm
	15 kg	270 – 290 mm
	JOKEY 18 kg	240 – 290 mm
	20 kg	270 – 310 mm
	25 kg	310 – 335 mm
	conical 25 kg	300 – 350 mm
	50 kg	335 – 385 mm
	15 kg	240 – 270 mm
	15 kg	240 – 270 mm
	20 kg	270 – 310 mm
	JOKEY 18 kg	240 – 290 mm
	5 kg	180 – 210 mm
	10 kg	210 – 240 mm
	15 kg	240 – 270 mm
	15 kg	240 – 270 mm
	15 kg	270 – 290 mm
	JOKEY 18 kg	240 – 290 mm
	20 kg	270 – 310 mm
	25 kg	310 – 335 mm
	conical 25 kg	300 – 350 mm
	50 kg	335 – 385 mm
	5 kg	180 – 210 mm
	10 kg	210 – 240 mm
	15 kg	240 – 270 mm
	15 kg	240 – 270 mm
	JOKEY 18 kg	240 – 290 mm
	20 kg	270 – 310 mm
	25 kg	310 – 335 mm
	conical 25 kg	300 – 350 mm
	conical 25 kg	300 – 350 mm
	50 kg	335 – 385 mm
	round 20 l	180 – 310 mm
	round 20 l	180 – 310 mm
	square 20 l und 55/60 l Steel container	210 – 340 mm
	square 20 l und 55/60 l Steel container	210 – 340 mm
	Steel container max. 60 l	210 – 340 mm

Grease filling systems

TECHNICAL DATA

Flow media:	lubricating greases, up to NLGI 2
Length of discharge hose:	510 mm
Connection, discharge side:	for grease guns, with filling nipple
Grease supply:	manually air pressurized
Delivery rate / stroke:	30 cm ³
Discharge pressure:	8 bar
Application:	for filling grease guns
Surface treatment:	all steel components are galvanized
Pump head:	impact-resistant zinc die casting
Pump body:	steel
Lacquering dust cover:	Pantone 294 C, blue satin
Dimensions of package LWH (mm):	670 x 420 x 100

SPECIAL FEATURES

- **Advantage 1:** The level of the lubricant can be inspected at any time by simply lifting the dust cover (no screws have to be loosened); cover protects against dust and dirt
- **Advantage 2:** Due to angular mounted recharging valve, even grease guns with angular mounted filling nipple can be filled. The recharging valve is provided with an automatic shut-off valve
- **Advantage 3:** Large handle of the follower plate ensures that it can be easily removed
- **Advantage 4:** Our unique stabilising-fixing bracket system enables the grease supply pump to be easily attached to containers of different diameters without affecting advantage 1
- **Advantage 5:** The advantages 1, 3 and 4 guarantee a clean and efficient operation of all manual and air operated grease lubrication systems.
The distance between the manual lever and the dust cover ensures safe operation.

SPECIFICATION

- Pump
- Suction tube
- Filling nipple, M 10 x 1 12 670, enclosed without package, for upgrading grease guns from other manufacturers
- Dust cap on filling coupler secured by chain
- Packed in single carton box



Grease gun filling systems for lever operated grease guns, one hand operated grease guns and compressed air grease guns, manually operated

17 805

Grease gun filling system, manually operated, 5 kg GDE, Ø 180 – 210 mm

17 810

Grease gun filling system, manually operated, 10 kg GDE, Ø 210 – 240 mm

17 815

Grease gun filling system, manually operated, 15 kg GDE, Ø 240 – 270 mm

17 817

Grease gun filling system, manually operated, 15 kg GDE, Ø 270 – 290 mm

17 818

Grease gun filling system, manually operated, 18 kg JOKEY GDE, Ø 240 – 290 mm

17 820

Grease gun filling system, manually operated, 20 kg GDE, Ø 270 – 310 mm

17 825

Grease gun filling system, manually operated, 25 kg GDE, Ø 310 – 335 mm

17 825 950

Grease gun filling system, manually operated, 25 kg GDE, Ø 300 – 350 mm

17 850

Grease gun filling system, manually operated, 50 kg GDE, Ø 335 – 385 mm



Accessories for grease gun filling systems

00 816

Recharging valve for grease gun filling systems

17 015

Grease pump for grease gun filling system, length of the suction tube 530 mm, for 5 – 20 kg containers

Filling systems for centralized lubrication systems

TECHNICAL DATA

Flow media:	lubricating greases, up to NLGI 2
Connection, discharge side:	Rectus coupling, type 72, for male quick connecting adapter (17 044)
Hose length:	1500 mm
Grease supply:	manually lever operated
Delivery rate / stroke:	30 cm ³
Discharge pressure:	8 bar
Application:	for filling centralized lubrication systems
Surface treatment:	all steel components are galvanized
Pump head:	impact-resistant zinc die casting
Pump body:	steel
Lacquering dust cover:	Pantone 294 C, blue satin

SPECIAL FEATURES

- **Advantage 1:** The level of the lubricant can be inspected at any time by simply lifting the dust cover (no screws have to be loosened); cover protects against dust and dirt
- **Advantage 2:** Due to angular mounted recharging valve, even grease guns with angular mounted filling nipple can be filled. The recharging valve is provided with an automatic shut-off valve
- **Advantage 3:** Large handle of the follower plate ensures that it can be easily removed
- **Advantage 4:** Our unique stabilising-fixing bracket system enables the grease supply pump to be easily attached to containers of different diameters without affecting advantage 1
- **Advantage 5:** The advantages 1, 3 and 4 guarantee a clean and efficient operation of all manual and air operated grease lubrication systems.
The distance between the manual lever and the dust cover ensures safe operation.

SPECIFICATION

- Pump
- Suction tube
- Grease supply hose (17 003) with female quick release adapter (01 297)
- Packed in single carton box



Filling systems, for centralized lubrication systems, manually operated

17 034

ZSA, 5 kg GDE, Ø 180 – 210 mm

17 036

ZSA, 10 kg GDE, Ø 210 – 240 mm

17 012

ZSA, 15 kg GDE, Ø 240 – 270 mm

17 012 950

ZSA, 18 kg JOKEY GDE, Ø 240 – 290 mm

17 012 952

ZSA, 15 kg GDE, Ø 240 – 270 mm, with straight spout and button head coupler Ø 16 mm

17 037

ZSA, 20 kg GDE, Ø 270 – 310 mm

17 014

ZSA, 25 kg GDE, Ø 310 – 335 mm

17 014 950

ZSA, 25 kg GDE, Ø 300 – 350 mm

17 014 954

ZSA, 25 kg GDE, Ø 300 – 350 mm, with straight spout and button head coupler Ø 16 mm

17 038

ZSA, 50 kg GDE, Ø 335 – 385 mm

Accessories for filling systems for refilling centralized lubrication systems

01 297

Coupling, Rectus type 72, G 1/4" i

17 044

Male quick connecting adapter, G 1/4" i, type 72

17 044 950

Male quick connecting adapter, G 1/4" i, type 72 with adapter G 1/4" a – M 10 × 1 a and G 1/4" a – M 12 × 1,5 a

17 045

Steel discharge spout, male quick release adapter Rectus Type 72

17 003

Discharge hose-DN 13-20 mm a NBR-1500 mm-10 bar

17 003 001

Discharge hose-DN 13-20 mm a NBR-2000 mm-10 bar

Manual grease systems

TECHNICAL DATA

Flow media:	lubricating greases, up to NLGI 2
Delivery rate to refill grease gun / stroke	30 cm ³
Length of discharge hose:	1500 mm
Grease supply into the hand operated grease gun	manually lever operated
Lacquering dust cover:	Pantone 294 C, blue satin
Connection hose/one hand grease gun:	quick release adapter Rectus, type 26 (17 601), with back pressure valve valve
Pump body:	steel
Delivery rate EHFP / stroke:	0,4 cm ³
Discharge pressure:	up to 550 bar
Burst pressure EHFP:	850 bar
Burst pressure grease gun head:	1200 bar
Capacity EHFP:	125 cm ³
Grease gun connection, pressure-side:	M 10 x 1
Actuation grease piston:	manual, by means of pressure grip
Surface treatment:	all steel components are galvanized
Material pump head:	impact-resistant zinc die casting

SPECIAL FEATURES

- **Advantage 1:** The level of the lubricant can be inspected at any time by simply lifting the dust cover (no screws have to be loosened); cover protects against dust and dirt
- **Advantage 2:** Due to angular mounted recharging valve, even grease guns with angular mounted filling nipple can be filled. The recharging valve is provided with an automatic shut-off valve
- **Advantage 3:** Large handle of the follower plate ensures that it can be easily removed
- **Advantage 4:** Our unique stabilising-fixing bracket system enables the grease supply pump to be easily attached to containers of different diameters without affecting advantage 1
- **Advantage 5:** The advantages 1, 3 and 4 guarantee a clean and efficient operation of all manual and air operated grease lubrication systems.
The distance between the manual lever and the dust cover ensures safe operation.

SPECIFICATION

- Manual pump to refill one hand operated grease gun
- Pump
- Suction tube
- One hand operated grease gun (EHFP), connection M 10 x 1 (17 600)
- Spout, straight, M 10 x 1, 150 mm (12 435)
- Coupler, 4 jaws, M 10 x 1 (12 631)
- Discharge hose (17 003)
- Packed in single carton box



Manually operated lubrication systems with one hand operated grease gun

17 605

Lubrication system, manually operated with (17 600), 5 kg GDE, Ø 180 – 210 mm

17 610

Lubrication system, manually operated with (17 600), 10 kg GDE, Ø 210 – 240 mm

17 615

Lubrication system, manually operated with (17 600), 15 kg GDE, Ø 240 – 270 mm

17 618

Lubrication system, manually operated with (17 600), 18 kg JOKEY GDE, Ø 240 – 290 mm

17 620

Lubrication system, manually operated with (17 600), 20 kg GDE, Ø 270 – 310 mm

17 625

Lubrication system, manually operated with (17 600), 25 kg GDE, Ø 310 – 335 mm

17 632

Lubrication system, manually operated with (17 600), 25 kg GDE, Ø 300 – 350 mm

17 660

Lubrication system, manually operated with (17 600), 50 kg GDE, Ø 335 – 385 mm

Accessories for lubrication systems, manually operated

17 600

One hand operated grease gun EHFP, with Rectus male quick connecting adapter type 26

17 601

Quick connecting coupler Rectus, type 26, connection 13 mm a, for (17 600)

17 003

Discharge hose DN 13, 20 mm a, NBR, 1500 mm, 10 bar

17 003 001

Discharge hose DN 13, 20 mm a, NBR, 2000 mm, 10 bar

Manual grease systems

TECHNICAL DATA

Flow media:	lubricating greases, up to NLGI 2
Delivery rate / stroke:	3,8 cm ³
Length of discharge hose:	475 mm
Förderschlauch:	high pressure hose, 11 x 1500 mm
Grease supply:	manually lever operated
Discharge pressure:	200 bar
Surface treatment:	all steel components are galvanized
Pump body:	steel
Pump head:	impact-resistant zinc die casting
Burst pressure grease gun head:	1200 bar
Capacity EHFP:	125 cm ³
Grease gun connection, pressure-side:	M 10 x 1
Actuation grease piston:	manual, by means of pressure grip
Material pump head:	impact-resistant zinc die casting

SPECIAL FEATURES

- **Advantage 1:** The level of the lubricant can be inspected at any time by simply lifting the dust cover (no screws have to be loosened); cover protects against dust and dirt
- **Advantage 2:** Due to angular mounted recharging valve, even grease guns with angular mounted filling nipple can be filled. The recharging valve is provided with an automatic shut-off valve
- **Advantage 3:** Large handle of the follower plate ensures that it can be easily removed
- **Advantage 4:** Our unique stabilising-fixing bracket system enables the grease supply pump to be easily attached to containers of different diameters without affecting advantage 1
- **Advantage 5:** The advantages 1, 3 and 4 guarantee a clean and efficient operation of all manual and air operated grease lubrication systems.
The distance between the manual lever and the dust cover ensures safe operation.

SPECIFICATION

- Manually operated pump for grease supply
- Pump
- Suction tube with follower plate
- High pressure grease hose, 11 x 1500 mm (12 769 601)
- Spout, angled, M 10 x 1, 150 mm (12 635)
- Coupler, 4 jaws, 10 x 1 (12 631)
- Robust carrying handle
- Packed in single carton box

**High pressure grease pumps, manually operated****17 693 698**

High pressure grease pump, 15 kg GDE, Ø 240 – 270 mm

17 694

High pressure grease pump, 20 kg GDE, Ø 270 – 310 mm

17 694 950

High pressure grease pump, 18 kg JOKEY GDE, Ø 240 – 290 mm

Accessories for high pressure grease pumps, manually operated**12 765 601**

Discharge hose G 1/8" a, 11 x 1500 mm

12 731

Hydraulic coupler G 1/8" i with SF, Ø 15 mm, 4 jaws

12 735

Angled spout G 1/8" a, 150 mm

Grease dispenser unit with container, manually operated**17 786**

Grease dispenser unit, mobile, 8 kg container, manually operated

17 788

Grease dispenser unit, mobile, 12 kg container, manually operated

17 791

Grease dispenser unit, mobile, 16 kg container, manually operated

12 667

Grease hose R 1/4" i / M 10 x 1 a, with spout and coupler, for 17 786, 17 788, 17 791, 17 792

Manual grease systems



17 792

Grease dispenser unit, with wheels, 16 kg container, manually operated



Grease dispenser unit with container, foot-operated

17 793

Grease dispenser unit, with wheels, 15 kg container, foot-operated

Accessories for grease filling systems and manual grease systems



Follower plates

17 195

5 kg container, Ø 180 – 210 mm



17 230

10 kg container, Ø 210 – 240 mm



17 265

15 kg container, Ø 240 – 270 mm



17 275

18 kg container JOKEY GDE, Ø 240 – 290 mm



17 285

20 kg container, Ø 270 – 290 mm

17 300

20 kg container, Ø 270 – 310 mm

17 320

25 kg container, Ø 310 – 335 mm

17 325

Conical, 25 kg container, Ø 300 – 350 mm

17 380

50 kg container, Ø 335 – 385 mm

17 400

60 kg container, Ø 385 – 405 mm



Dust covers

17 171

5 – 10 kg container, Ø 252 mm

17 172

5 – 10 kg container, Ø 282 mm

17 176

15 – 20 kg container, Ø 342 mm

17 184

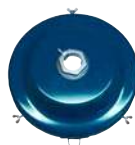
with barrel screw coupling, 25 kg container, Ø 385 mm

17 194

25 – 60 kg container, Ø 385 mm

17 198

50 – 60 kg container, Ø 450 mm



Trolleys and accessories

17 004

Trolley for container, 5, 10, 15 kg

17 008

Trolley for container, 5, 10, 15, 25, 50 kg

17 000

Rubber strap for trolley (17 008)

17 021

Container mount, cross shaped for container-max. Ø 605 mm



Stabilising-fixing brackets

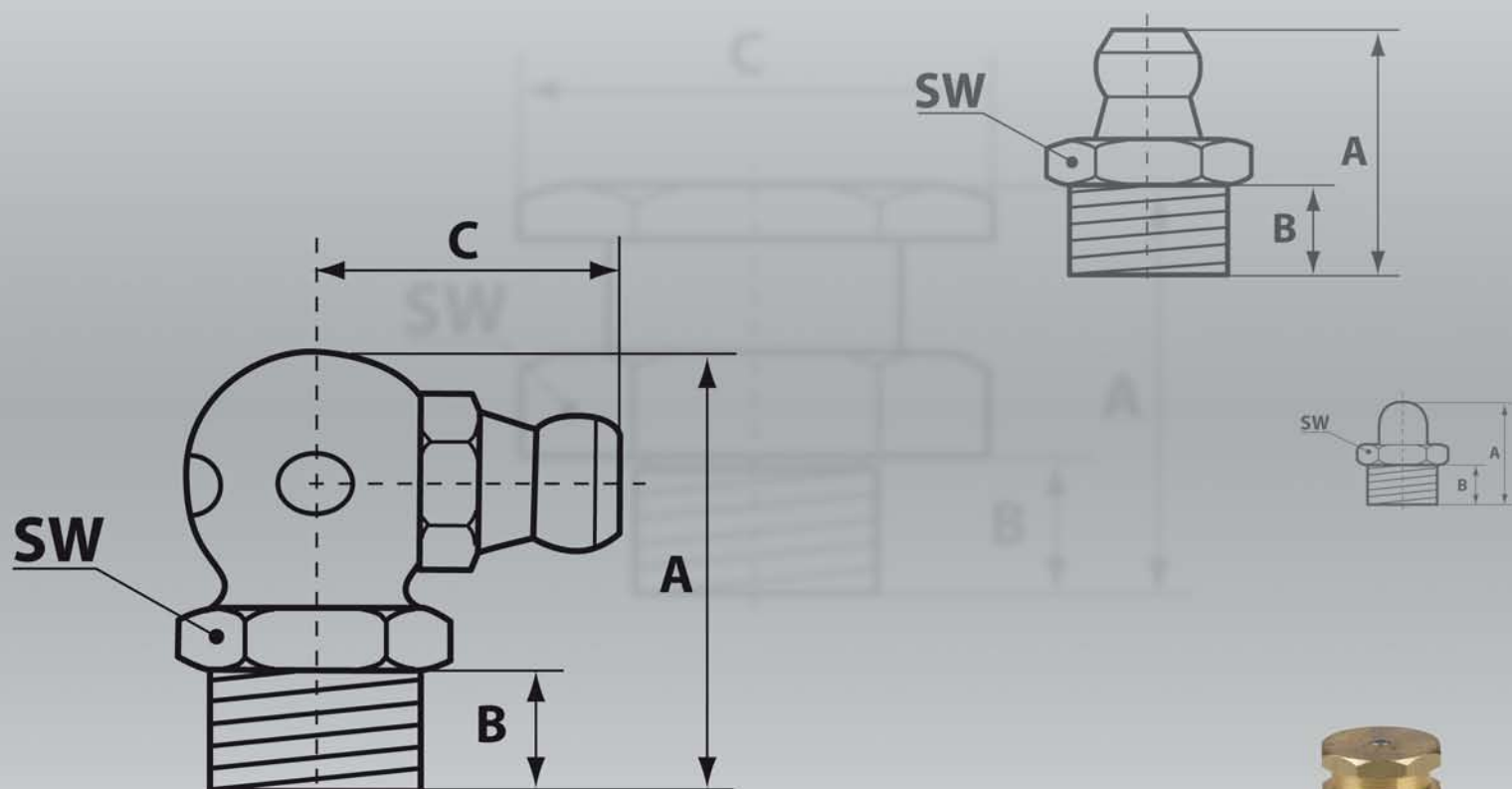
17 197

Stabilising-fixing brackets for 5 – 20 kg, Ø 180 – 310 mm

17 199

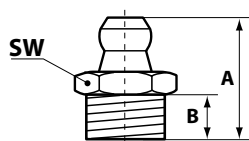
Stabilising-fixing brackets for 25 – 60 kg, Ø 310 – 405 mm





The grease nipples from page 66 to 73 are supplied in packing units of 100 pieces.

Hydraulic grease nipples H1, straight, 180°, DIN 71 412



Hardened, galvanized, hexagon version

15 000

1/4" BSF-VZ-SK-SW 7, A: 15, B: 5,5

15 006

M 6 x 0,75 -VZ-SK-SW 7, A: 15, B: 5,5

15 006 400

M 5 x 0,8 -VZ-SK-SW 7, A: 15, B: 5,5

15 007

M 6 x 1 -VZ-SK-SW 7, A: 15, B: 5,5

15 007 050

M 6 x 1 -VZ-SK-SW 7-kurz, A: 13, B: 3,5

15 008

M 7 x 1 -VZ-SK-SW 9, A: 15, B: 5,5

15 009

M 8 x 1 -VZ-SK-SW 9, A: 15, B: 5,5

15 010

M 8 x 1,25 -VZ-SK-SW 9, A: 15, B: 5,5

15 013

M 10 x 1 -VZ-SK-SW 11, A: 15, B: 5,5

15 014

M 10 x 1,25 -VZ-SK-SW 11, A: 15, B: 5,5

15 015

M 10 x 1,5 -VZ-SK-SW 11, A: 15, B: 5,5

15 016

M 12 x 1 -VZ-SK-SW 14, A: 17, B: 6,5

15 017

M 12 x 1,5 -VZ-SK-SW 14, A: 17, B: 6,5

15 018

M 12 x 1,75 -VZ-SK-SW 14, A: 17, B: 6,5

15 021

M 14 x 1,5 -VZ-SK-SW 14, A: 17,5, B: 6,5

15 023

M 16 x 1,5 -VZ-SK-SW 17, A: 18, B: 7

15 025

1/4" WHIT-VZ-SK-SW 7, A: 15, B: 5,5

15 026

1/8" NPT-VZ-SK-SW 11, A: 15, B: 5,5

15 027

1/4"-NPT-VZ-SK-SW 14, A: 19, B: 8

15 037

G 1/8"-VZ-SK-SW 11, A: 15, B: 5,5

15 038

G 1/4"-VZ-SK-SW 14, A: 17,5, B: 6,5

15 039

G 3/8"-VZ-SK-SW 17, A: 18, B: 7

15 040

G 1/2"-VZ-SK-SW 22, A: 28, B: 8

15 062

1/4" NF (SAE)-VZ-SK-SW 7, A: 15, B: 5,5

15 067

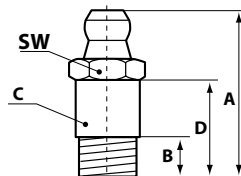
3/8" WHIT-VZ-SK-SW 11, A: 15, B: 5,5

15 069

5/16" BSF-VZ-SK-SW 9, A: 15, B: 5,5

15 076

3/8" UNF-24F-VZ-SK-SW 11, A: 15, B: 5,5



15 007 001

M 6 x 1 -VZ-SK-SW 7-length-29 mm, A: 29, B: 8, C Ø: 7

55 062

1/4" WHIT-VZ-SK-SW 7-length-26 mm, A: 26, B: 6, C Ø: 6,5, D: 15

Hardened, stainless steel, hexagon version

15 906

M 5 x 0,8-VA-SK-SW 7, A: 15, B: 5,5

15 907

M 6 x 1-VA-SK-SW 7, A: 15, B: 5,5

15 909

M 8 x 1-VA-SK-SW 9, A: 15, B: 5,5

15 910

M 8 x 1,25-VA-SK-SW 9, A: 15, B: 5,5

15 913

M 10 x 1-VA-SK-SW 11, A: 15, B: 5,5

15 915

M 10 x 1,5-VA-SK-SW 11, A: 15, B: 5,5

15 917

M 12 x 1,5-VA-SK-SW 14, A: 17,5, B: 6,5

15 918

M 12 x 1,75-VA-SK-SW 14, A: 17,5, B: 6,5

15 926

1/8" NPT-VA-SK-SW 11, A: 15, B: 5,5

15 937

G 1/8"-VA-SK-SW 11, A: 15, B: 5,5

15 938

G 1/4"-VA-SK-SW 14, A: 17,5, B: 6,5

15 939

G 3/8"-VA-SK-SW 17, A: 18, B: 7

Hardened, galvanized, hexagon version, self forming thread version

15 071

F 6 x 1-SFG-VZ-SK-SW 7, A: 15, B: 5,5

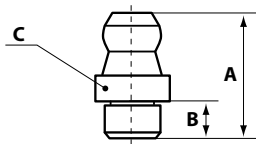
15 072

F 8 x 1-SFG-VZ-SK-SW 9, A: 15, B: 5,5

15 073

F 10 x 1-SFG-VZ-SK-SW 11, A: 15, B: 5,5

Hydraulic grease nipples H1 A, straight, 180°, DIN 71 412



Hardened, galvanized, drive fit version

15 001

Ø 4 mm-VZ-round-ESN, A: 15, B: 5,5, C Ø: 8

15 002

Ø 5 mm-VZ-round-ESN, A: 15, B: 5,5, C Ø: 8

15 003

Ø 6 mm-VZ-round-ESN, A: 15, B: 5,5, C Ø: 8

15 004

Ø 8 mm-VZ-round-ESN, A: 15, B: 5,5, C Ø: 10

15 005

Ø 10 mm-VZ-round-ESN, A: 15, B: 5,5, C Ø: 12



Stainless steel, drive fit version

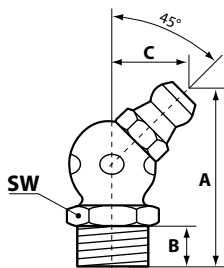
15 902

Ø 6 mm-VA-round-ESN, A: 14,4, B: 5,8, C Ø: 8

15 903

Ø 8 mm-VA-round-ESN, A: 14,9, B: 6,5, C Ø: 8

Hydraulic grease nipples H2, 45°, acc. to DIN 71 412



Hardened, galvanized, hexagon version

15 100 140

1/4" BSF-VZ-SK-SW 9, A: 23,5, B: 5,5, C: 10,5

15 107 140

M 6 x 1-VZ-SK-SW 9, A: 23,5, B: 5,5, C: 10,5

15 108

M 7 x 1-VZ-SK-SW 9, A: 23,5, B: 5,5, C: 10,5

15 109 140

M 8 x 1-VZ-SK-SW 9, A: 23,5, B: 5,5, C: 10,5

15 110 140

M 8 x 1,25-VZ-SK-SW 9, A: 23,5, B: 5,5, C: 10,5

15 113 140

M 10 x 1-VZ-SK-SW 11, A: 25, B: 5,5, C: 11,5

15 114

M 10 x 1,25-VZ-SK-SW 11, A: 25, B: 5,5, C: 11,5

15 115 140

M 10 x 1,5-VZ-SK-SW 11, A: 25, B: 5,5, C: 11,5

15 117

M 12 x 1,5-VZ-SK-SW 14, A: 22,5, B: 6,5, C: 12

15 118

M 12 x 1,75-VZ-SK-SW 14, A: 22,5, B: 6,5, C: 12



15 126

1/8" NPT-VZ-SK-SW 11, A: 27, B: 7, C: 11,5

15 127

1/4" NPT-VZ-SK-SW 14, A: 22,5, B: 6,5, C: 12

15 137 140

G 1/8"-VZ-SK-SW 11, A: 25, B: 5,5, C: 11,5

15 138

G 1/4"-VZ-SK-SW 14, A: 22,5, B: 6,5, C: 12

15 139

G 3/8"-VZ-SK-SW 17, A: 25,5, B: 7, C: 13,5

15 162 003

1/4" WHIT-VZ-SK-SW 9, A: 23,5, B: 5,5, C: 10,5

15 162 140

1/4" NF (SAE)-VZ-SK-SW 9, A: 23,5, B: 5,5, C: 10,5

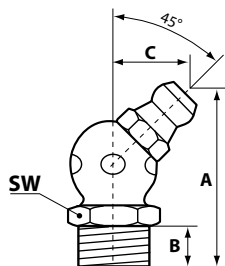
15 163

5/16" NF (SAE)-VZ-SK-SW 9, A: 23,5, B: 5,5, C: 10,5

15 164

3/8" WHIT-VZ-SK-SW 11, A: 25, B: 5,5, C: 11,5

Hydraulic grease nipples H2, 45°, acc. to DIN 71 412



Stainless steel, hexagon version

15 940

M 6 x 1-VA-SK-SW 9,
A: 23,5, B: 5,5, C: 10,5

15 941

M 8 x 1-VA-SK-SW 9,
A: 23,5, B: 5,5, C: 10,5

15 942

M 8 x 1,25-VA-SK-SW 9,
A: 23,5, B: 5,5, C: 10,5

15 943

M 10 x 1-VA-SK-SW 11,
A: 25, B: 5,5, C: 11,5

15 945

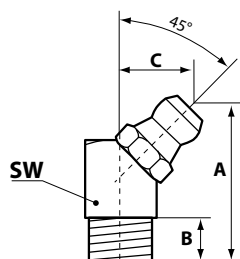
M 10 x 1,5-VA-SK-SW 11,
A: 23,5, B: 5,5, C: 10,5

15 947

G 1/8"-VA-SK-SW 11,
A: 25, B: 5,5, C: 11,5

15 949

G 1/4"-VA-SK-SW 14,
A: 22,5, B: 6,5, C: 12



Hardened, galvanized, square version

15 100

1/4" BSF-VZ-VK-SW 9,
A: 23,5, B: 5,5, C: 10,5

15 107

M 6 x 1-VZ-VK-SW 9,
A: 23,5, B: 5,5, C: 10,5

15 109

M 8 x 1-VZ-VK-SW 9,
A: 23,5, B: 5,5, C: 10,5

15 110

M 8 x 1,25-VZ-VK-SW 9,
A: 23,5, B: 5,5, C: 10,5

15 113

M 10 x 1-VZ-VK-SW 11,
A: 25, B: 5,5, C: 11,5

15 115

M 10 x 1,5-VZ-VK-SW 11,
A: 25, B: 5,5, C: 11,5

15 137

G 1/8"-VZ-VK-SW 11,
A: 25, B: 5,5, C: 11,5

15 162

1/4" NF (SAE)-VZ-VK-SW 9,
A: 23,5, B: 5,5, C: 10,5



Hardened, galvanized, square, self forming thread version

15 171

F 6 x 1-SFG-VZ-VK-SW 9,
A: 20,5, B: 5,5, C: 10,5

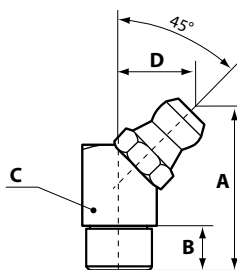
15 172

F 8 x 1-SFG-VZ-VK-SW 9,
A: 20,5, B: 5,5, C: 10,5

15 173

F 10 x 1-SFG-VZ-VK-SW 11,
A: 20,5, B: 5,5, C: 11

Hydraulic grease nipples H2 A, 45°, acc. to DIN 71 412



Hardened, galvanized, square or hexagon version (depending on sourcing), drive fit version

15 102

Ø 5 mm-VZ-SK-ESN,
A: 20,2, B: 5,5, C: 9, D: 9

15 103

Ø 6 mm-VZ-VK-ESN,
A: 20,2, B: 5,5, C: 9, D: 9

15 104

Ø 8 mm-VZ-VK-ESN,
A: 20,2, B: 5,5, C: 9, D: 9

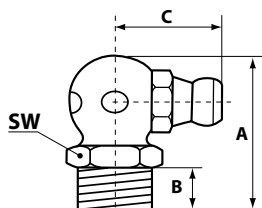
15 105

Ø 10 mm-VZ-VK-ESN,
A: 20,5, B: 5,5, C: 11, D: 9



The grease nipples from page 66 to 73 are supplied in packing units of 100 pieces.

Hydraulic grease nipples H3, 90°, acc. to DIN 71 412

**Hardened, galvanized, hexagon version****15 200 140**

1/4" BSF-VZ-SK-SW 9, A: 18, B: 5,5, C: 13

15 207 140

M 6 x 1-VZ-SK-SW 9, A: 18, B: 5,5, C: 13

15 208

M 7 x 1-VZ-SK-SW 9, A: 18, B: 5,5, C: 13

15 209 140

M 8 x 1-VZ-SK-SW 9, A: 18, B: 5,5, C: 13

15 210 140

M 8 x 1,25-VZ-SK-SW 9, A: 18, B: 5,5, C: 13

15 213 140

M 10 x 1-VZ-SK-SW 11, A: 20, B: 5,5, C: 14

15 214

M 10 x 1,25-VZ-SK-SW 11, A: 20, B: 5,5, C: 14

15 215 140

M 10 x 1,5-VZ-SK-SW 11, A: 20, B: 5,5, C: 14

15 217

M 12 x 1,5-VZ-SK-SW 14, A: 22, B: 6,5, C: 14

15 218

M 12 x 1,75-VZ-SK-SW 14, A: 22, B: 6,5, C: 14

15 226

1/8" NPT-VZ-SK-SW 11, A: 20, B: 5,5, C: 14

15 227

1/4" NPT-VZ-SK-SW 14, A: 22, B: 6,5, C: 14

15 237 140

G 1/8"-VZ-SK-SW 11, A: 20, B: 5,5, C: 14

15 238

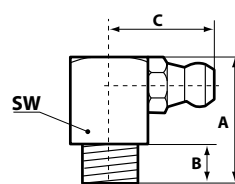
G 1/4"-VZ-SK-SW 14, A: 22, B: 6,5, C: 14

15 239

G 3/8"-VZ-SK-SW 17, A: 20, B: 7, C: 19

15 262 140

1/4" NF (SAE)-VZ-SK-SW 9, A: 18, B: 5,5, C: 13

**Hardened, galvanized, square version****15 200**

1/4" BSF-VZ-VK-SW 9, A: 18, B: 5,5, C: 14

15 207

M 6 x 1-VZ-VK-SW 9, A: 18, B: 5,5, C: 14

15 209

M 8 x 1-VZ-VK-SW 9, A: 18, B: 5,5, C: 14

15 210

M 8 x 1,25-VZ-VK-SW 9, A: 18, B: 5,5, C: 14

15 213

M 10 x 1-VZ-VK-SW 11, A: 18, B: 5,5, C: 15

15 215

M 10 x 1,5-VZ-VK-SW 11, A: 18, B: 5,5, C: 15

15 237

G 1/8"-VZ-VK-SW 11, A: 18, B: 5,5, C: 15

15 262

1/4" NF (SAE)-VZ-VK-SW 9, A: 18, B: 5,5, C: 14

**Hardened, galvanized, square version, drive fit version****15 271**

F 6 x 1-SFG-VZ-VK-SW 9, A: 18, B: 6, C: 14

15 272

F 8 x 1-SFG-VZ-VK-SW 9, A: 18, B: 6, C: 14

15 273

F 10 x 1-SFG-VZ-VK-SW 11, A: 18, B: 6, C: 14

Stainless steel, hexagon version**15 967**

M 6 x 1-VA-SK-SW 9, A: 18, B: 5,5, C: 13

15 968

M 8 x 1-VA-SK-SW 9, A: 18, B: 5,5, C: 13

15 970

M 8 x 1,25-VA-SK-SW 9, A: 18, B: 5,5, C: 13

15 973

M 10 x 1-VA-SK-SW 11, A: 20, B: 5,5, C: 14

15 975

M 10 x 1,5-VA-SK-SW 11, A: 20, B: 5,5, C: 14

15 976

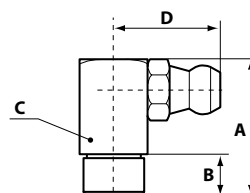
G 1/8"-VA-SK-SW 11, A: 20, B: 5,5, C: 14

15 977

G 1/4"-VA-SK-SW 14, A: 22, B: 6,5, C: 16



Hydraulic grease nipples H3 A, 90°, acc. to DIN 71 412

**Hardened, galvanized, square or hexagon version (depending on sourcing), drive fit version****15 203**

Ø 6 mm-VZ-VK-ESN, A: 18, B: 5,5, C: 9, D: 14,1

15 204

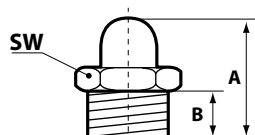
Ø 8 mm-VZ-VK-ESN, A: 18, B: 5,5, C: 9, D: 9

15 205

Ø 10 mm-VZ-VK-ESN, A: 18, B: 5,5, C: 11, D: 15



Ball type grease nipples K1

**Hardened, galvanized, hexagon, ball type version****15 307**

M 6 x 1-VZ-SK-SW 7, A: 14, B: 5,5

15 309

M 8 x 1-VZ-SK-SW 9, A: 14, B: 5,5

15 310

M 8 x 1,25-VZ-SK-SW 9, A: 14, B: 5,5

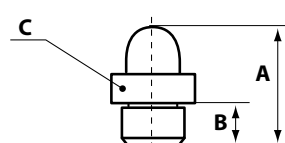
15 313

M 10 x 1-VZ-SK-SW 11, A: 14, B: 5,5

15 315

M 10 x 1,5-VZ-SK-SW 11, A: 16, B: 7

Ball type grease nipples K1 A

**Galvanized, drive fit version****15 302**

Ø 5 mm-VZ-round-ESN, A: 12, B: 5, C Ø: 8

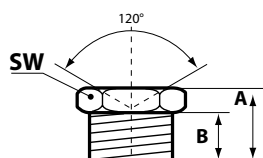
15 303

Ø 6 mm-VZ-round-ESN, A: 12, B: 6, C Ø: 8

15 304

Ø 8 mm-VZ-round-ESN, A: 14, B: 6, C Ø: 8

Funnel type grease nipples D1, acc. to DIN 3405 Funnel type grease nipples D1 A, acc. to DIN 3405

**Galvanized, hexagon version****15 607**

M 6 x 1-VZ-SK-SW 7, A: 9, B: 6

15 609

M 8 x 1-VZ-SK-SW 9, A: 9,5, B: 6,5

15 610

M 8 x 1,25-VZ-SK-SW 9, A: 9,5, B: 6,5

15 613

M 10 x 1-VZ-SK-SW 11, A: 9,5, B: 6,5

15 615

M 10 x 1,5-VZ-SK-SW 11, A: 9,5, B: 6,5

15 637

G 1/8"-VZ-SK-SW 11, A: 9,5, B: 6,5

15 638

G 1/4"-VZ-SK-SW 14, A: 14, B: 9,5

15 639

G 3/8"-VZ-SK-SW 17, A: 14,5, B: 9

Brass, hexagon version**56 307**

M 6 x 1-Me-SK-SW 8, A: 9, B: 6

56 309

M 8 x 1-Me-SK-SW 9, A: 9,5, B: 6,5

56 310

M 8 x 1,25-Me-SK-SW 9, A: 9,5, B: 6,5

56 313

M 10 x 1-Me-SK-SW 11, A: 9,5, B: 6,5

56 315

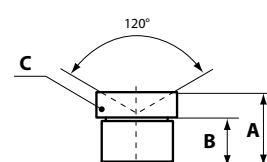
M 10 x 1,5-Me-SK-SW 11, A: 9,5, B: 6,5

56 337

G 1/8"-Me-SK-SW 11, A: 9,5, B: 6,5

56 338

G 1/4"-Me-SK-SW 11, A: 14, B: 9,5

**Galvanized, drive fit version****15 601**

4/5-Ø 4-KØ 5-VZ-round-ESN, A: 6, B: 4,5, C Ø: 5

15 602

5/8-Ø 5-KØ 8-VZ-round-ESN, A: 7,5, B: 5,5, C Ø: 8

15 603

6/8-Ø 6-KØ 8-VZ-round-ESN, A: 7,5, B: 5,5, C Ø: 8

15 604

8/10-Ø 8-KØ 10-VZ-round-ESN, A: 9,5, B: 6,5, C Ø: 10

15 605

10/12-Ø 10-KØ 12-VZ-round-ESN, A: 9,5, B: 6,5, C Ø: 12

Brass, drive fit version**56 501**

4/5-Ø 4-KØ 5-Me-round-ESN, A: 6, B: 4,5, C Ø: 5

56 502

5/8-Ø 5-KØ 8-Me-round-ESN, A: 7,5, B: 5,5, C Ø: 8

56 503

6/8-Ø 6-KØ 8-Me-round-ESN, A: 7,5, B: 5,5, C Ø: 8

56 504

8/10-Ø 8-KØ 10-Me-round-ESN, A: 9,5, B: 6,5, C Ø: 10

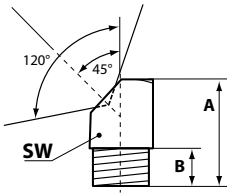
56 505

10/12-Ø 10-KØ 12-Me-round-ESN, A: 9,5, B: 6,5, C Ø: 12

56 506

12/14-Ø 12-KØ 14-Me-round-ESN, A: 11, B: 8, C Ø: 14

Funnel type grease nipples D2, angled 45°, acc. to DIN 3405



Galvanized, hexagon version

15 707

M 6 x 1-VZ-SK-SW 11, A: 16, B: 5,5

15 709

M 8 x 1-VZ-SK-SW 11, A: 16, B: 5,5

15 710

M 8 x 1,25-VZ-SK-SW 11, A: 16, B: 5,5

15 713

M 10 x 1-VZ-SK-SW 11, A: 15, B: 5,5

15 715

M 10 x 1,5-VZ-SK-SW 11, A: 15, B: 5,5

15 737

G 1/8"-VZ-SK-SW 11, A: 15, B: 5,5

15 738

G 1/4"-VZ-SK-SW 14, A: 18, B: 6,5

15 739

G 3/8"-VZ-SK-SW 17, A: 22, B: 9



Brass, hexagon version

56 707

M 6 x 1-Me-SK-SW 11, A: 16, B: 5,5

56 709

M 8 x 1-Me-SK-SW 11, A: 16, B: 5,5

56 710

M 8 x 1,25-Me-SK-SW 11, A: 16, B: 5,5

56 713

M 10 x 1-Me-SK-SW 11, A: 15, B: 5,5

56 715

M 10 x 1,5-Me-SK-SW 11, A: 15, B: 5,5

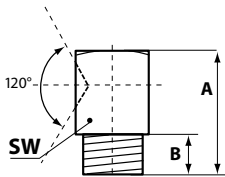
56 737

G 1/8"-Me-SK-SW 11, A: 15, B: 5,5

56 738

G 1/4"-Me-SK-SW 11, A: 18, B: 6,5

Funnel type grease nipples D3, angled 90°, acc. to DIN 3405



Galvanized, hexagon version

15 807

M 6 x 1-VZ-SK-SW 11, A: 18, B: 5,5

15 809

M 8 x 1-VZ-SK-SW 11, A: 18, B: 5,5

15 810

M 8 x 1,25-VZ-SK-SW 11, A: 18, B: 5,5

15 813

M 10 x 1-VZ-SK-SW 11, A: 18, B: 5,5

15 815

M 10 x 1,5-VZ-SK-SW 11, A: 18, B: 5,5

15 837

G 1/8"-VZ-SK-SW 11, A: 18, B: 5,5

15 838

G 1/4"-VZ-SK-SW 14, A: 20, B: 6,5

15 839

G 3/8"-VZ-SK-SW 17, A: 25, B: 9



Brass, hexagon version

56 907

M 6 x 1-Me-SK-SW 11, A: 18, B: 5,5

56 909

M 8 x 1-Me-SK-SW 11, A: 18, B: 5,5

56 910

M 8 x 1,25-Me-SK-SW 11, A: 18, B: 5,5

56 913

M 10 x 1-Me-SK-SW 11, A: 18, B: 5,5

56 915

M 10 x 1,5-Me-SK-SW 11, A: 18, B: 5,5

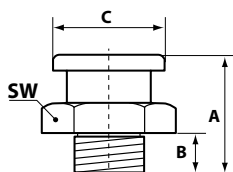
56 937

G 1/8"-Me-SK-SW 11, A: 18, B: 5,5

56 938

G 1/4"-Me-SK-SW 17, A: 20, B: 6,5

Button head grease nipples M1, head diameter 16 mm, acc. to DIN 3404



Galvanized, hexagon, round head version

57 807

M 6 x 1-VZ-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

57 809

M 8 x 1-VZ-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

57 810

M 8 x 1,25-VZ-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

57 813

M 10 x 1-VZ-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

57 815

M 10 x 1,5-VZ-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

57 817

M 12 x 1,5-VZ-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

57 818

M 12 x 1,75-VZ-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

57 823

M 16 x 1,5-VZ-SK-SW 17-RK, A: 18, B: 7, C Ø: 16

57 837

G 1/8"-VZ-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

57 838

G 1/4"-VZ-SK-SW 17-RK, A: 17, B: 6, C Ø: 16



Stainless steel, hexagon, round head version

55 907

M 6 x 1-VA-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

55 909

M 8 x 1-VA-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

55 910

M 8 x 1,25-VA-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

55 913

M 10 x 1-VA-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

55 915

M 10 x 1,5-VA-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

55 918

M 12 x 1,75-VA-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

55 937

G 1/8"-VA-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

55 938

G 1/4"-VA-SK-SW 17-RK, A: 17, B: 6, C Ø: 16

Button head grease nipples M4, head diameter 10 mm, acc. to DIN 3404



Galvanized, hexagon, round head version

57 607

M 6 x 1-VZ-SK-SW 11-RK, A: 13,5, B: 6, C Ø: 10

57 609

M 8 x 1-VZ-SK-SW 11-RK, A: 13,5, B: 6, C Ø: 10

57 610

M 8 x 1,25-VZ-SK-SW 11-RK, A: 13,5, B: 6, C Ø: 10

57 613

M 10 x 1-VZ-SK-SW 11-RK, A: 13,5, B: 6, C Ø: 10

57 637

G 1/8"-VZ-SK-SW 11-RK, A: 13,5, B: 6, C Ø: 10

Button head grease nipples M22, head diameter 22 mm, acc. to DIN 3404



Galvanized, hexagon, round head version

57 523

M 16 x 1,5-VZ-SK-SW 22-RK, A: 21,5, B: 8, C Ø: 22

57 538

G 1/4"-VZ-SK-SW 22-RK, A: 21,5, B: 8, C Ø: 22

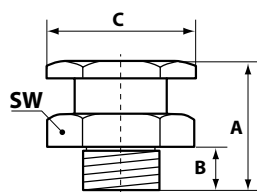
57 539

G 3/8"-VZ-SK-SW 22-RK, A: 21,5, B: 8, C Ø: 22

57 522

M 16 x 1,5-VZ-SK-SW 22-RK-STV, A: 32, B: 12, C Ø: 22

Button head grease nipples T1/B, head diameter 16 mm, acc. to DIN 3404



Galvanized, hexagon, hexagonal head version

55 807

M 6 x 1-VZ-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 809

M 8 x 1-VZ-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 810

M 8 x 1,25-VZ-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 813

M 10 x 1-VZ-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 815

M 10 x 1,5-VZ-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 817

M 12 x 1,5-VZ-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 837

G 1/8"-VZ-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 838

G 1/4"-VZ-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

Brass, stainless steel ball, hexagon, hexagonal head version

57 907

M 6 x 1-Me-VA-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

57 910

M 8 x 1,25-Me-VA-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

57 913

M 10 x 1-Me-VA-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

57 915

M 10 x 1,5-Me-VA-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

57 918

M 12 x 1,5-Me-VA-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

57 937

G 1/8"-Me-VA-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5



Brass, hexagon, hexagonal head version

55 707

M 6 x 1-Me-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 709

M 8 x 1-Me-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 710

M 8 x 1,25-Me-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 713

M 10 x 1-Me-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 715

M 10 x 1,5-Me-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 716

M 12 x 1-Me-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 717

M 12 x 1,5-Me-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 718

M 12 x 1,75-Me-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 721

M 14 x 1,5-Me-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 722

M 14 x 2-Me-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 737

G 1/8"-Me-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 738

G 1/4"-Me-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

55 739

G 3/8"-Me-SK-SW 15-SKK,
A: 16, B: 6, C: 16,5

Grease nipples in DIY packing



Hydraulic grease nipples H1, H1 A, straight, 180°, 25 pieces in polybag

16 003

Ø 6 mm-VZ-ESN-25 pieces

16 004

Ø 8 mm-VZ-ESN-25 pieces

16 007

M 6 x 1-VZ-SK-SW 7-25 pieces

16 009

M 8 x 1-VZ-SK-SW 9-25 pieces

16 010

M 8 x 1,25-VZ-SK-SW 9-25 pieces

16 013

M 10 x 1-VZ-SK-SW 11-25 pieces

16 015

M 10 x 1,5-VZ-SK-SW11-25 pieces

16 037

G 1/8"-VZ-SK-SW 11-25 pieces

16 038

G 1/4"-VZ-SK-SW 14-25 pieces

16 062

1/4"NF(SAE)-VZ-SK-SW7-25 pieces



Hydraulic grease nipples H3, H3 A, 90°, 25 pieces in polybag

16 203

Ø 6 mm-VZ-ESN-25 pieces

16 204

Ø 8 mm-VZ-ESN-25 pieces

16 207

M 6 x 1-VZ-VK-SW 9-25 pieces

16 209

M 8 x 1-VZ-VK-SW 9-25 pieces

16 211

M 8 x 1,25-VZ-VK-SW 9-25 pieces

16 213

M 10 x 1-VZ-VK-SW 11-25 pieces

16 215

M 10 x 1,5-VZ-VK-SW11-25 pieces

16 237

G 1/8"-VZ-VK-SW 11-25 pieces

16 238

G 1/4"-VZ-SK-SW 14-25 pieces



Hydraulic grease nipples H2, H2 A, 45°, 25 pieces in polybag

16 103

Ø 6 mm-VZ-ESN-25 pieces

16 104

Ø 8 mm-VZ-ESN-25 pieces

16 107

M 6 x 1-VZ-VK-SW 9-25 pieces

16 109

M 8 x 1-VZ-VK-SW 9-25 pieces

16 110

M 8 x 1,25-VZ-VK-SW 9-25 pieces

16 113

M 10 x 1-VZ-VK-SW 11-25 pieces

16 115

M 10 x 1,5-VZ-VK-SW11-25 pieces

16 137

G 1/8"-VZ-VK-SW 11-25 pieces

16 138

G 1/4"-VZ-SK-SW 14-25 pieces



Button head grease nipples M1, diameter of head 16 mm, 25 pieces in polybag

16 809

M 8 x 1-VZ-SK-SW17-RK-25 pieces

16 813

M 10 x 1-VZ-SK-SW17-RK-25 pieces

16 837

G 1/8"-VZ-SK-SW 17-RK-25 pieces

Grease nipples in DIY packing

**Hydraulic grease nipples H1, straight, 180°, 10 pieces in polybag with headcard****16 400**

M 6 x 1-VZ-SK-SW 7-10 pieces

16 402

M 8 x 1-VZ-SK-SW 9-10 pieces

16 403

M 8 x 1,25-VZ-SK-SW 9-10 pieces

16 404

M 10 x 1-VZ-SK-SW 11-10 pieces

16 405

M 10 x 1,5-VZ-SK-SW 11-10 pieces

16 409

G 1/8"-VZ-SK-SW 11-10 pieces

**Hydraulic grease nipples H3, 90°, 5 pieces in polybag with headcard****16 460**

M 6 x 1-VZ-SK-SW 9-5 pieces

16 462

M 8 x 1-VZ-SK-SW 9-5 pieces

16 463

M 8 x 1,25-VZ-SK-SW 9-5 pieces

16 464

M 10 x 1-VZ-SK-SW 11-5 pieces

16 465

M 10 x 1,5-VZ-SK-SW 11-5 pieces

16 469

G 1/8"-VZ-SK-SW 11-5 pieces

**Hydraulic grease nipples H2, 45°, 5 pieces in polybag with headcard****16 430**

M 6 x 1-VZ-SK-SW 9-5 pieces

16 432

M 8 x 1-VZ-SK-SW 9-5 pieces

16 433

M 8 x 1,25-VZ-SK-SW 9-5 pieces

16 434

M 10 x 1-VZ-SK-SW 11-5 pieces

16 435

M 10 x 1,5-VZ-SK-SW 11-5 pieces

16 439

G 1/8"-VZ-SK-SW 11-5 pieces

**Hydraulic grease nipples H1, straight, 180°, H2, 45°, H3, 90°, 5 pieces of each in polybag with headcard****16 476**

M 6 x 1-VZ-SK/VK-SW 9-each 5 pieces

16 478

M 8 x 1-VZ-SK/VK-SW 9-each 5 pieces

16 480

M 10 x 1-VZ-SK/VK-SW 9-each 5 pieces

16 482

G 1/8"-VZ-SK/VK-SW 9-each 5 pieces

Grease nipple assortment boxes

**16 092**70 pieces,
L 175 mm, W 120 mm, H 35 mm**16 090**140 pieces,
L 215 mm, W 135 mm, H 40 mm**16 099**387 pieces,
L 300 mm, W 245 mm, H 55 mm

Couplers, button head couplers. Tools for grease nipples and protecting caps.



Universal couplers for H and K nipples

12 002

M 10x1 i

12 072

G 1/8" i



H1

H2

H3

K1

Universal coupler for push type grease guns for H nipples

12 071

M 10 x 1 i



D1

D2

D3

Pointed couplers for funnel type grease nipples

12 003

M 10 x 1 i

12073

G 1/8" i



H1

H2

H3

Precision machined couplers for lever operated, pneumatic, one-hand and two hands grease guns

12 626

M 10 x 1 i-SK-extra slim-Ø 13 mm

12 726

G 1/8" i-SK-extra slim-Ø 13 mm

12 643

M 10 x 1 i-with SF-Ø 15 mm

12 743

G 1/8" i-with SF-Ø 15 mm



H1

H2

H3

Hydraulic couplers for lever operated, pneumatic, one-hand and two hands grease guns

12 631

M 10 x 1 i-with SF-Ø 15 mm

12 731

G 1/8" i-with SF-Ø 15 mm



H1

H2

H3

Hydraulic coupler with valve

12 642

M 10 x 1 i-with SF-Ø 15 mm-with valve



M4



M4



M1



T1/B



M1



T1/B



M1



T1/B



M1



T1/B



M1



T1/B



M22



M22

Button head couplers

12 060

M 10 x 1 i for button head grease nipple-10 mm

12 060 125

G 1/8" i for button head grease nipple-10 mm

12 061

M 10 x 1 i for button head grease nipple-16 mm-FA-SOT

12 061 125

G 1/8" i for button head grease nipple-16 mm-FA-SOT

12 010 401

M 10 x 1 i-Rotary swivel for button head grease nipple-16 mm-FA-SOT

12 062

M 10 x 1 i for button head grease nipple-16 mm-FA

12 062 125

G 1/8" i for button head grease nipple-16 mm-FA

12 063

M 10 x 1 i for button head grease nipple-22 mm-FA

12 063 125

G 1/8" i for button head grease nipple-22 mm-FA



H1

H2

H3

K1

K2

K3

Tools for grease nipples

16 100

Thread 1/8" PTF

16 102

Thread 1/4" (SAE)



Protecting caps for hydraulic grease nipples

63 905

with fixing tab

63 906

without fixing tab



RESISTANCE TABLE OF MANUAL PUMPS

at a room temperature of 20°C

Article no.	Anti-freeze undiluted	Fuel oil / Diesel	Petroleum	Engine oil SAE 5W – SAE 50	Gear oil SAE 75 W – SAE 90	Gear oil SAE 75W – SAE 140	Lubricating oil	Cutting oil	ml/stroke*
13 010	•	•	•	•			•	•	720
13 012	•	•	•	•	•		•	•	300
13 012 952	•	•	•	•	•		•	•	300
13 012 954	•	•	•	•	•		•	•	300
13 013			•	•	•	•	•	•	100
13 015		•	•	•	•	•	•	•	100
13 016		•	•	•	•	•	•	•	100
13 017		•	•	•	•	•	•	•	100
13 020	•	•	•	•			•	•	120
13 028	•	•	•	•			•	•	120
13 030	•	•	•	•			•	•	140
13 040	•	•	•	•			•	•	360
13 041	•	•	•	•			•	•	360
13 042	•	•	•	•			•	•	360
13 049		•	•	•	•		•	•	250
13 053	•								250
13 054		•	•	•	•		•	•	250
13 055		•	•	•	•		•	•	250
13 056		•	•	•	•		•	•	250
17 016				•	•	•	•	•	50
17 018				•	•	•	•	•	50
17 018 010				•	•	•	•	•	50
17 019				•	•	•	•	•	50
17 019 950				•	•	•	•	•	50
17 024				•	•	•	•	•	50
17 024 950				•	•	•	•	•	50
17 026				•	•	•	•	•	250
17 028				•	•	•	•	•	250

* Delivered quantity in millilitres per stroke or 360°rotation (depending on fluid) approx. accuracy

CHEMICAL RESISTANCE CHART (13 009 950)

A= no effect/excellent / B = minor effect/good

Media	Resistance	Media	Resistance	Media	Resistance
Accumulator Acid	B	Ethyl Alcohol, pure	A	Photo Emulsion	A
Acetic Acid, aqueous	A	Ethyl Alcohol, aqueous	A	Photo Fixer	A
Adipic Acid	B	Ethylene Glycol	A	Potassium Borate	B
Adipic Acid, aqueous	B	Fatty Acid	A	Potassium Chloride	A
Aluminium Chloride, aqueous	B	Formic Acid, aqueous	B	Rapeseed Oil	A
Ammonium Chloride	A	Fuel Oil	A	Sea Water (salt water)	A
Ammonium Sulphate, aqueous	B	Gear Oil	A	Silicone Oil	A
Benzene	B	Glucose, aqueous	A	Soap Solution	A
Bleaching Lye	B	Glycerine, aqueous	B	Sodium Carbonate	A
Borax	A	Glycol	B	Sodium Hydroxide, aqueous	B
Boric Acid	A	Hydrogen Peroxide	B	Spirit	B
Calcium Oxide	A	Lactic Acid, aqueous	B	Sulphur Chloride	A
Chloramine, aqueous	A	Malic Acid, aqueous	A	Tartaric Acid	A
Chlorine, aqueous	A	Mineral Oil	A	Trichlor Acetic Acid	B
Cider	A	Oleic Acid	B	Turpentine	A
Common Salt Solution	A	Olive Oil	A	Transformer Oil	A
Cupric Salt Solution, aqueous	A	Paraffin	A	Vegetable Oil	A
Dichloroacetic Acid	B	Pentanol	B	Vinegar	A
Diesel	A	Petrol	A	Water (distilled) up to 60 °C	A
Ethene	A	Petroleum	A		

CHEMICAL RESISTANCE CHART (13 005)

A= no effect/excellent / B = minor effect/good

Media	Resistance	Media	Resistance	Media	Resistance	Media	Resistance
Aero Shell a AC	A	Ethene	A	Oleic Acid B	A	Turpentine	A
Ammonium Chloride	A	Fatty Acid	A	Olive Oil	A	Tripen	A
ASTM Test Petrol	A	Fuel Oil	A	Paraffin	A	Vegetable Oil	A
ATF Oil (Additiv)	A	Gear Oil	A	Pentanol B	A	Water up to 80 °C B	A
Benzene B	A	Glycerine, aqueous B	B	Petroleum	A	Xylamon A	A
Bleaching Lye	A	Glycol B	A	Potassium Chloride	A		
Boric Acid B	A	Hydrochloric acid, diluted	A	Rapeseed Oil	A		
Calcium Oxide	A	IP 3 Petrol	A	Silicone Oil	A		
Citric Acid	A	Kerosene	A	Sodium Carbonate	A		
Chlorine, aqueous	A	Linseed Oil	A	Spirit B	A		
Diesel	A	Mineral Oil	A	Sulphur Chloride	A		

CHEMICAL RESISTANCE CHART (13 003)

Media	Resistance
Water	A
Alcohol	A
Gasoline	A
Diesel	A
Kerosene	A
Lubricating Oil	A

CHEMICAL RESISTANCE CHART (13 064)

Media	Resistance
Organic Acids	A
Organic Alcohols	A
Cleaning Agent	A
Freezing Agent	B
Soaps	B
Urea	B

CHEMICAL RESISTANCE CHART (13 009 954)

Acetal Hyde	Bichloride of Mercury Sol.	Dimethyl Aniline	Iso Propyl Alcohol
Actate Solvents	Black Sulphate Liquor	Diocetyl Amine	Lacquer With Ketone Sol.
Aectic Acid	Bleaching Powder Sol.	Diocetyl Phthalate	Magnesiurn Acetate Sol.
Acetic Acid Glacial	Borax Solutions	Dioxane	Maleic Acid
Acetylene Tetrabromide	Butylene	Dimethyl Terephthlate	Melamine Resins
Acid Copper Solution	Caustic Soda	Dowanois	Mercaptans
Acid Fluosilicic	Cellubes	Ethanolamine	Methyl Acetate
Acid Fomic	Chloratic Acid	Ethyl Bromide	Methyl Acelate
Acid Hydmbromic	Chloroacetalhyde	Ethyl Mercaptan	Methyl Cellosolve
Acid Hydrocyanic	Copper Ammonium Acet.	Ethyl Pyridine	Methyl Ethyl Ketone
Acid Hydrofluosilicic	Copper Plating Solution	Ethyl Sulphate	Methyl Fomate
Acid Hydroxy Acetic	Cresois Crestic Acid	Ethylene Diamine	Monochloroacetic Acid
Acid Maleic	Crontonaidehyde	Film Dope	Monoethanolamine
Acid Nitric – 10%.conc.	Cyclohexylamine	Glaecal Acetic Acid	Nitrating Salts
Acid Oxalic	Cuprous Ammonia Acet.	Hexamine	Nitro Methane
Acid Phosphoric	Cyanic Acid Solution	Hexachloro Acetone	Nitrous Oxide
Acid Sulphuric 50% conc.	Cyanic Compounds	Hexone	Phthalic Anhydride
Acrolein	Cyanogen	Hydrazine Anhydrous	Picoline Alpha
Alcohol Octyl	Diacetone Alcohol	Hydrobromic Acid	Polyvinyl Acetates
Aldehyde	Diamylamine	Hydrocyanic Acid	Propion Aldehyde
Acetaldiehyde	Dibutyl Phthalate	Hydrogen Bromide Anhydrous	Pyridine
Alkyl Arylsulphoric Acid	Diethanolamine	Hydroxy Acetic Acid	Sodium Acetate Sol.
Allyl Ketone	Diethyl Aniline	Iodine	Sodiumm Hypochlorite Sol.
Ammonia Anhydrous	Diethyl Fomaldehyde	Iodoform	Sulphur Dioxide Liquid
Ammonia Aqueous Sol.	Diethyl Hydrazine	Iron Pyritic Acid	Tricresyl Phosphate
Ammonia Carbonate Sol.	Diethyl Maleate	Iso-Butyl Methyl Ketone	Triethanolamine
Ammonia Hydroxide Sol.	Diethyl Sulphate	Iso-Butyraidehyde	Triethylanine
Aniline Liquid	Diethylene Triamine	Iso Cyanate	Tri-Nomal-Butyl
Aniline Hydrochloride	DI-Isobuthylene Ketone	Iso Propyl Acetate	Phosphate

CHEMICAL RESISTANCE CHART (13 009 956)

Acid Arsenic Solution	Phosphate Slurry	Fumatic Acid	Öil Palm-
Acid Boric Solution	Calishe Liquors	Gas oil	Oil Paraffin
Acid Citric Solution	Cane Sugar Liquors	Gallic Acid	Oil Peanut
Acid Lactic	Carbonic Acid	Gelatin	Oil Silicone
Acid Oleic	Castor Oil	Glucose	Oil Soya Bean
Acid Palmitic	Casean	Glue	Oil Tall
Acid Picric Solution	China Wood Oils	Glycerine	Oil Vegetable
Acid Propionic	Citric Acid Solution 10%	Glycerol	Palmic Acid
Acid Tannic	Clay Slurry	Glycol's	Palm Oil
Alcohol Methyl	Coconut Oil	Grain Mash	Paraffin Oil
Alcohol Isopropyl	Cod Liver Oil	Heptane	Pectin Oil
Alkyate Light	Coffee Extract	Hexy Alcohol	Pectin Liquor
Aluminium Solution	Copper Chloride	Hydro Carbons Light	Pentane
Aluminium Chloride Sol.	Solution Copper	Hydrosulfite	Polyglycols
Aluminium Sulphate Sol.	Cyanide	Hydrcholros Acid 30%	Potassiurn
Aluminium Nitrate Sol.	Copper Sulphate Sol.	Ion Sulphate Solution	Bicarbonate
Ammonium Sulphate Sol.	Com Oil	Iso Butane	Potassium Cyanidic
Aniline Liquid	Cottonseed Oil	Iso Butylene	Potassium Silicate
Antimony Salts	Creosote Creosote	Iso Pentane	Potassiurn Sulphate
Aromatic Fuels 50%	Cutting Oil	Iso Propyl Alcohot	Propanol
Arsenic Acid	Detergent Water	Kerosene	Propionic Acid
Autom. Transm. Fluids	Developing Fluid	Ketchup	Rapeseed Oil Sol.
Barium Chloride	Dextron	Lactic Acid	Ammoniac
Sulfon Barium	Diesel Synthetic Lubric.	Lard	Silver Nitrate Solution
Hydroxide Sol.	Diesel Fuel	Latex	Sodium Bicarbonate Sol.
Barium Nitrate Solution	Diethylene Glycoi	Lead Nitrate Solution	Sodium Hydrosulfite Sol.
Barium Sulphide Sol.	Disobutylene	Linseed Oil	Sodiurn Metaphosphate
Beer	Dipentene	Lime Bleach	Stannic Chloride Sol.
Beer Wort	Embalming Fluid	Lithiurn Chloride	Sugar Solutions
Beer Sugar Liquors	Epoxy Resin	Magnesiurn Chloride Sol.	Tannic Acid
Bordeaux Mixtures	Ethane Ethy Alcohol	Magnenese Chloride	Trisodium Phosphate Sol.
Boric Acid	Ethychloride	Magnesium Sulphate	Turpentine
Buttermilk	Ethylene	Malt Beverage	Ucon Hydrolubes
Butyl Alcohol	Ethylene Glycot	Mayonnaise	Vegetable Oils
Cabinol	Fatty Acids	Nickel Sulphate Saturat.	Water with Soluble Oil
Calcium Carbonate Slurry	Ferric Chloride	Oil Diesel	Wine
Calcium Chloride 50% conc	Ferric Nitrate	Oil Fuel	Zinc Chloride Solutions
Calcium Hydroxide Sol.	Fish Oil	Oil Mineral	
Calcium Nitrate	Flourobic Acid	Oil Nut	
Solution Calcium	Flourosilic	Oil Olive	

The PRESSOL Chemical Pumps are resistant against liquids indicated and similar liquids. Due to the operation which is beyond our influence we cannot take any warranty - especially when working with different liquids not indicated, when utilizing the pump with liquids inextreme temperatures or when using liquids indicated in a not standardised mixture. We recommend in any case to test the compatibility of the pump with the liquid to be used prior to general usage. Our indications concerning the compatibility are recommendations without any responsibility for the correctness of this information. A legal claim cannot be deducted from this information given. Any information about compatibility is based on a liquid temperature of 20°C.

Chemical pumps / Steel barrel pumps / Urea pumps

**Chemical pumps****13 005**

Chemical pump INOX / FKM, SRL 600,
0,4 l/stroke

**13 009 950**

Chemical pump PP, SRL 885 mm,
0,2 l/stroke

**13 009**

Chemical pump PP / FKM, SRL 940,
0,2 l/stroke

13 009 954

Chemical pump PP / EPDM, SRL 940,
0,2 l/stroke

13 009 956

Chemical pump PP / NEOP, SRL 940,
0,2 l/stroke

**13 003**

Lever action pump in PP for anti-freeze/
windscreen / Teflon, SRL 480–900,
0,4 l/stroke

**Urea Pump****13 064**

Rotary pump in PP for Urea/anti-freeze/
windscreen/motor oil / stainless steel,
SRL 900, 0,35 l/stroke, 19 l/min

**Steel barrel pumps for oil
up to SAE 90****13 010**

Steelpipe barrel pump, SRL 840 mm,
20 l/min

**13 012**

Steelpipe barrel pump, SRL 480–900 mm,
approx. 16 l/min

13 012 952

Steelpipe barrel pump, with ZBH
(gearboxes-set), SRL 480–900 mm,
approx. 16 l/min

13 012 954

Steelpipe barrel pump, with anti-drip
nozzle secured by cap screw, SRL
480–900 mm, approx. 16 l/min

**13 015**

Steelpipe barrel pump, SRL 840 mm,
10 l/min

13 016

Steelpipe barrel pump, SRL 840 mm,
10 l/min, STAK

13 017

Steelpipe barrel pump, with ZBH (hose)
SRL 840 mm, 10 l/min, STAK

**Accessories for
steelpipe barrel pumps****00 239**

Steel discharge spout, M 20 x 1 a,
Ø 20 mm a, for 13 012, 13 016

01 051

Plastic discharge spout, Ø 15 mm a,
polyethylene, for 13 010, 13 015

01 057

Plastic cap nut, polyethylene, for 01 051

**13 070**

Gear oil installation kit for 13 012 with
1500 mm hose, steel discharge spout
and lever ball valve

13 099

Plastic hose, 1 m, Ø 15 mm i, with
plastic discharge spout Ø 15 mm a,
for 13 010, 13 015

Lever action pumps / Rotary pumps / Double-acting pumps



Lever action pumps for diesel, fuel oil and oil up to SAE 50

13 020

Lever action pump with ZBH, SRL 1200 mm, approx. 12 l/min

13 028

Lever action pump with ZBH, SRL 1500 mm, approx. 12 l/min



13 030

Lever action pump with ZBH, SRL 1200 mm, approx. 18 l/min



13 041

Lever action pump with ZBH, SRL 480-930 mm, approx. 35 l/min

13 042

Lever action pump with ZBH, SRL 840 mm, approx. 35 l/min



00 844

Steel discharge spout Ø 18 mm a, for 13 017, 13 020, 13 028, 13 041, 13 042

01 017

PVC-hose for 13 020 and 13 028, 1000 mm, Ø 15 mm i

01 018

Plastic discharge spout, Ø 18 mm a, polyethylene, for 13 020, 13 028, 13 030

01 052

Perbunan-hose 1000 mm, Ø 15 mm i, for 13 020, 13 028, 13 030, 13 041, 13 042



13 089

Anti-kink spring for lever action pumps with 2 hose clips, Ø 12-20 mm

01 019

Plastic suction tube G 3/8" a, for 13 020, 13 028, 13 030

13 091

Telescopic tube, 480-930 mm, G 1/2" a, for 13 041, 13 042



Rotary pumps for diesel, fuel oil, oil and gear oil up to SAE 140

13 055

Rotary pump, SRL 980 mm, approx. 25 l/min - self-priming due to 4-chambers system



13 056

Rotary pump, with 2 m hose and steel discharge spout, SRL 980 mm, approx. 25 l/min - self-priming due to 4-chambers system



13 075

Hose accessory set for rotary pump 13 055

13 081

Barrel screw coupling for 13 055 and 13 056, G 2" a

13 095

Suction tube for 13 055 and 13 056



Hand pumps, double-acting for diesel, fuel oil and petroleum

13 253

Manual pump DW, 11,5 l/min

13 256

Manual pump DW, 17,25 l/min

13 259

Manual pump DW, 22,5 l/min

13 262

Manual pump DW, 53,25 l/min



13 253 950

Manual pump DW, 11,5 l/min, SRL 920 mm, with accessories

13 256 950

Manual pump DW, 17,25 l/min, SRL 920 mm, with accessories

13 259 950

Manual pump DW, 22,5 l/min, SRL 920 mm, with accessories

13 262 950

Manual pump DW, 53,25 l/min, SRL 920 mm, with accessories

Gear oil pumps / Oil dispensing system / Barrel taps

**Gear oil pumps for oil and gear oil up to SAE 140****17 016**

Gear oil pump for 20 l plastic can, SRL 500 mm, approx. 6 l/min

**17 019 950**

Jerrycan pump with lever ball valve for 20 l plastic cans, SRL 500 mm, approx. 6 l/min

**17 018**

Gear oil pump for 20 l bucket, SRL 500 mm, approx. 6 l/min

**17 018 010**

Gear oil pump with lever ball valve, for 20 l bucket, SRL 500 mm, approx. 6 l/min

**17 019**

Jerrycan pump for 20 l steel rectangular jerrycans, SRL 500 mm, approx. 6 l/min

**17 024**

Gear oil pump, SRL 650 mm, approx. 6 l/min

**17 024 950**

Gear oil pump with trolley, SRL 650 mm, approx. 6 l/min

**Accessories for gear oil pumps****13 070**

Gear oil installation kit with 1500 mm hose, steel discharge spout and lever ball valve

**13 096**

Steel discharge spout with lever ball valve

**17 003**

Discharge hose DN 13, 20 mm a, NBR, 1500 mm, 10 bar

17 003 001

Discharge hose DN 13, 20 mm a, NBR, 2000 mm, 10 bar

**17 095**

Pump fixing for 20 l to 30 l plastic jerrycans

**17 190**

Dust cover for 17 018 and 17 018 010

**17 191**

Stabilizing fixing brackets for 20 l original rectangular jerrycans, for 17 019

**17 196**

Stabilizing fixing brackets for 20 l GDE, 55 l, 60 l metal oil containers, for 17 019 and 17 024

17 197

Stabilizing fixing brackets for 17 018

Gear oil pumps / Oil dispensing systems / Barrel taps



17 026

Gear oil pump up to SAE 140, SRL 650 mm, approx. 25 l/min, DW

17 028

Gear oil pump, with trolley, up to SAE 140, SRL 650 mm, approx. 25 l/min, DW



Oil dispenser units, mobile, for oil up to SAE 40

17 781

Oil dispenser unit, mobile, 8 l container, manually operated

17 790

Oil dispenser unit, mobile, 16 l container with wheels, manually operated



Oil dispenser units, mobile, for oil up to SAE 140

27 832

Oil dispenser unit, mobile, 75 l container with wheels, manually operated



Barrel taps and barrel screw coupling

13 088

Barrel tap G 3/4" a, polyethylene

13 088 950

Barrel tap G 3/4" a, polyethylene, with adapter G 2" a / G 3/4" i

13 090

Barrel tap G 3/4" a, brass



19 519 Barrel screw coupling M 62,5 x 4 i for pipe Ø 35,5 mm, for 17 019 950

19 526 Barrel screw coupling for pipe Ø 35,5 mm, connection G 2" a and M 64 x 4 a, for 17 024 950, 17 026, 17 028

19 527 Barrel screw coupling-G 2" and M 64 x 4 a-for pipe-Ø 40 mm

19 528 Barrel screw coupling-G 2" and M 64 x 4 a-for pipe-Ø 27,5 mm

19 529 Barrel screw coupling M 60 x 5 i for pipe Ø 35,5 mm, for 17 016

13 080 Barrel screw coupling-G 2" and M 64 x 4 a-for pipe-Ø 32 mm

13 083 Barrel screw coupling-G 2" i for 200-l-plastic containers



17 008 950

Trolley for plastic and steel containers, 10-60 kg



17 021

Trolley mount-cross shaped, max. Ø 600 mm, for 60/200 l steel containers



17 008

Trolley for 5-/10-/15-/25-/50 kg containers

17 000

Rubber retaining strap for trolley (17 008)



17 009

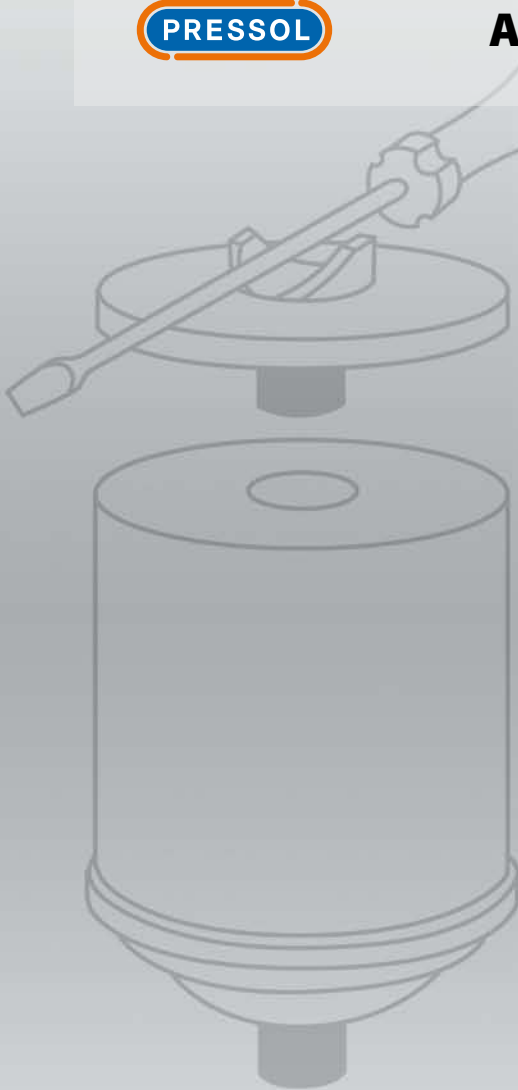
Trolley for 200 kg container

17 009 950

Trolley for 200 kg container



Automatic lubricators / Oil level sight glasses





LUBRIFlxx EVO

Automatic Single Point Lubricator



NEW

Cost Effective, User Friendly
Automatic Single Point Lubricator

EVO 60 / EVO 120 / EVO 240

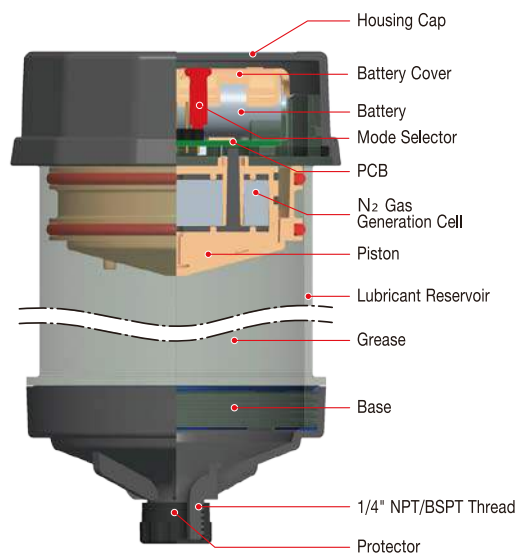
CHARACTERISTICS

Specifications	Description
Gas Type	Nitrogen (N ₂) gas
Gas Generating Method	Electrochemical
Housing design	Transparent plastic
Operating Temp Range	-20°C ~55°C
Operating Pressure	Max. 5 kgf/cm ²
Remote Installation	Up to 1 m using a 8 mm O. D. tube
Available Dispensing Periods	1, 3, 6, 9 and 12 months
Product Size	60 cm ³ : Ø 77 mm x 92 mm 120 cm ³ : Ø 77 mm x 112 mm 240 cm ³ : Ø 77 mm x 157 mm
Certifications / IP Code	ATEX / CE / UL / IP68
Packaging	10 Units / Case

The LUBRIFlxx EVO, an electrochemical automatic single point lubricator, operates based on the proven technology of electrochemical reaction which generates inert Nitrogen (N₂) gas through the systematic use of an electrolyte and electrical energy. With five different dispensing rates of 1, 3, 6, 9 and 12 months the Lubriflxx EVO offers a cost effective solution for a wide variety of industrial applications which contributes to preventive maintenance and cost reduction via reliable and precise lubrication. In addition, the intuitive design of LUBRIFlxx EVO ensures both error-free operation and safe use.

ADVANTAGES

- Cost effective
- Simple to operate
- Easy to install without the use of tools
- Easy to adjust dispensing periods in operation
- Instant ON+OFF available
- Transparent container for visual inspection of lubricant levels
- Convenient disposal after use (environmentally friendly)
- Suitable for use in confined areas
- More reliable against ambient temperature variations than hydrogen gas type lubricators



LUBRiflxx EVO Automatic Single Point Lubricator

DISPENSING EQUIVALENTS

Dispensing Period	Dispensing Volume (cm ³ /day)		
	60 cm ³	120 cm ³	240cm ³
1 month	2.00	4.00	8.00
3 month	0.67	1.33	2.66
6 month	0.33	0.67	1.33
9 month	0.22	0.44	0.89
12 month	0.17	0.33	0.67

Required dispensing volume may vary with individual bearing types and operating conditions.

Testing is recommended for specific applications. Contact us for specific applications or if you should need any assistance in setting proper dispensing rates.

GREASE SELECTION

Refer to following information of available lubricants carefully selected for our products. Please choose the proper lubricant for your specific application. If further information is required, please contact our support.

Grease	Application	Description
PL1	Multi Purpose	High Performance NLGI 2 grade
PL2	Heavy Duty	Excellent Heavy Duty NLGI 2 grade with high viscosity base fluids and additional load carrying capacity
PL3	High Speed	High Performance NLGI 1 grade for high speed applications (over 3000 rpm or high DN value)
PL4	H1 Food Grade	USDA H1 NLGI 2 grade for applications where a food grade product is required
PL5	High Temperature	Fully Synthetic High Performance NLGI 2 grade with oxidation stability for high temperature use
PL6	Multi Purpose MoS ₂	High Performance grade with MoS ₂ for better EP and load carrying capacity
PL7	Low Temperature	Fully Synthetic NLGI 1 grade, for extreme low temperature applications

NOTE OEM filling is available upon request under special terms and conditions. Please contact us.

LUBRiflxx EVO 60 cm³**33 200 001**

60 cm³, multi purpose grease

33 200 002

60 cm³, heavy duty grease

33 200 003

60 cm³, high speed grease

33 200 004

60 cm³, H1 food grease

33 200 005

60 cm³, high temperature grease

33 200 006

60 cm³, high performance grease

33 200 007

60 cm³, low temperature grease

LUBRiflxx EVO 120 cm³**33 201 001**

120 cm³, multi purpose grease

33 201 002

120 cm³, heavy duty grease

33 201 003

120 cm³, high speed grease

33 201 004

120 cm³, H1 food grease

33 201 005

120 cm³, high temperature grease

33 201 006

120 cm³, high performance grease

33 201 007

120 cm³, low temperature grease

LUBRiflxx EVO 240 cm³**33 202 001**

240 cm³, multi purpose grease

33 202 002

240 cm³, heavy duty grease

33 202 003

240 cm³, high speed grease

33 202 004

240 cm³, H1 food grease

33 202 005

240 cm³, high temperature grease

33 202 006

240 cm³, high performance grease

33 202 007

240 cm³, low temperature grease

LUBRICANT WITH BEST PERFORMANCE

LUBRIFlxx is a fully automatic and very robust lubricator which autonomously and reliably supplies the most diverse lubrication points over a fixed time period. No time-consuming monitoring or relubrication is required.

Lubrication with **LUBRIFlxx** is initialised by a chemical reaction, which is set in motion by screwing in the activation screw (see configuration diagram on the right).

There is no more need for external power supply by compressed air or electricity.

LUBRIFlxx has a capacity of 120 cm³ and is available with possible lifespans of 1, 3, 6 or 12 months.



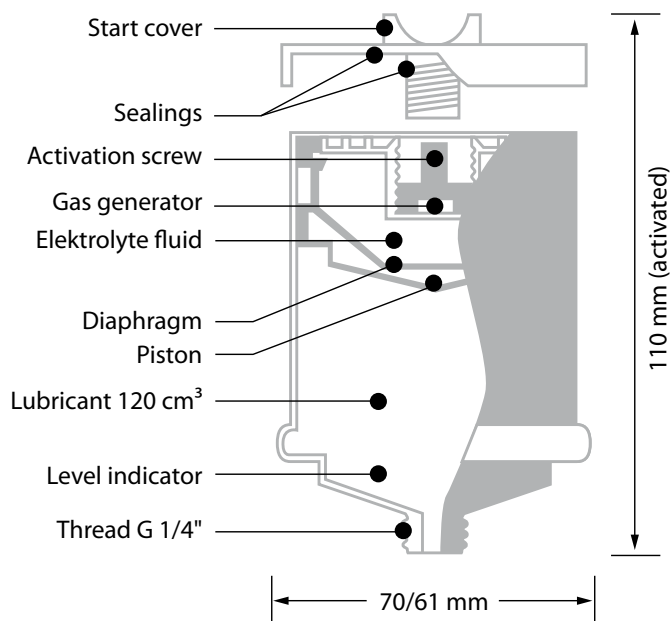
SUCCESSFUL APPLICATION

- Food and beverage industry
- Transport, shipping and traffic engineering
- Fresh and waste water engineering
- Mining industry and power industry
- Elevation and elevator industry
- Machine and tool industry
- Print industry
- ... and many others

REDUCED WEAR

LUBRIFlxx is exclusively filled with high-quality lubricants to provide best performance together with maximum safety.

LUBRIFlxx is available with many different types of greases, oils, compounds and petroleum jellies. Special fillings with lubricants of your choice can be done after technical analysis.





LIFESPANS AND CHANGING INTERVALS

Versions	01W (1 month)		03B (3 months)		06R (6 months)		12G (12 months)	
UT ¹	LZ ²	StA ³	LZ	StA	LZ	StA	LZ	StA
65°C			0,5	8	1	3,6	2	1,8
55°C	0,3	12	1,0	3,6	2	1,8	4	0,9
45°C	0,5	7,3	1,5	2,3	3	1,7	6	0,6
35°C	0,7	5,2	2,5	1,5	4,5	0,8	9	0,4
25°C	1	3,6	3	1,2	6	0,6	12	0,3
15°C	1,5	2,3	4,5	0,8	9	0,4	18	0,2
5°C	2	1,8	6	0,6	14	0,26	28	0,13
-5°C	4	0,9	12	0,3	24	0,15	48	0,08
-15°C	6	0,6	18	0,2	36	0,1		
-25°	9	0,4	27	0,13				

¹ ambient temperature ² Lifespan in months ³ Dispensing quantity in g/day

LUBRIFlxx can be used within an ambient temperature range of -15° C to +65° C.

For **LUBRIFlxx** we exclusively selected high-quality lubricants with large power reserves. See the following table of our standard lubricants. With these lubricants you will be able to cover most applications. We would be glad to advise you in selecting the right lubricant and remain at your disposal for information concerning special fillings with the lubricant of your choice.

Code of lubricants	Designation	Lubricant material basis	Range of temperature (°C)	Drop point of lubricant (°C)	Description
F001	Multi-purpose grease EP, NLGI 2	Li, Ca	-30°–120°	155°	Universal-DIN KP2K-30
F002	High temperature grease NLGI 1/2	Polycarbomide	-30°–150° short time 170°	215°	Long-term lubrication, use at high temperature – DIN KP2P-30
F003	All purpose grease +MoS ₂ NLGI 2	Li, Ca	-30°–120°	150°	Use at high demand and at high temperatures, with emergency operation properties – DIN KPF2-30
F004	High temperature grease +MoS ₂ , NLGI 1/2	Polycarbomide	-30°–150° short time 170°	220°	Long-term lubrication, at high demand and at high temperatures, with emergency operation properties – DIN KP2P-30
F006	Viscous oil EP NLGI 0	Na	-20°–120°	175°	Gearing, Chaingear – DIN GPOM-20
F100	High performance grease for foodstuffs industry NLGI 2	Al-Complex	-20°–120°	>250°	Machines in food industry, filling and packing systems – DIN KF2K-20, USDA-H1
O001	Spindle oil CL/HL	Mineral oil		ISO VG 10	Spindle bearing on heavy-duty textile and precision machines
O004	Machine oil CLP	Mineral oil		ISO VG 68	High load bearings excellent protection against abrasion and corrosion
O015	Adhesive oil	Mineral oil		ISO VG 320	Adhesive Oil, for lubrication of chains, bolts, rams, joints and bearings
O100	High performance oil	Synthetic oil		ISO VG 220	Extremely pressure-resistant and penetrating adhesive lubricant, hot-water resistant

Detailed information about lubricants are available on request.

LUBRIFlxx automatic lubricators



LUBRIFlxx – 1 month

33 101

LUBRIFlxx lubricator, M1, F 001, multi purpose grease EP, NLGI 2

33 102

LUBRIFlxx lubricator, M1, F 002, high temperature grease, NLGI ½

33 106

LUBRIFlxx lubricator, M1, F 006, viscous transmission oil, EP NLGI 0

33 111

LUBRIFlxx lubricator, M1, O 001, spindle oil CL / HL

33 118

LUBRIFlxx lubricator, M1, O 015, adhesive oil



LUBRIFlxx – 3 months

33 121

LUBRIFlxx lubricator, M3, F 001, multi purpose grease EP, NLGI 2

33 122

LUBRIFlxx lubricator, M3, F 002, high temperature grease, NLGI ½

33 123

LUBRIFlxx lubricator, M3, F 003, multi purpose grease + MoS2, NLGI 2

33 124

LUBRIFlxx lubricator, M3, F 004, high temperature grease + MoS2, NLGI ½

33 129

LUBRIFlxx lubricator, M3, F 100, heavy-duty grease, for food industry, NLGI 2



LUBRIFlxx – 6 months

33 141

LUBRIFlxx lubricator, M6, F 001, multi purpose grease EP, NLGI 2

33 142

LUBRIFlxx lubricator, M6, F 002, high temperature grease, NLGI ½

33 143

LUBRIFlxx lubricator, M6, F 003, multi purpose grease + MoS2, NLGI 2

33 144

LUBRIFlxx lubricator, M6, F 004, high temperature grease + MoS2, NLGI ½

33 146

LUBRIFlxx lubricator, M6, F 006, viscous transmission oil, EP NLGI 0

33 149

LUBRIFlxx lubricator, M6, F 100, heavy-duty grease, for food industry, NLGI 2

33 151

LUBRIFlxx lubricator, M6, O 001, spindle oil CL / HL

33 158

LUBRIFlxx lubricator, M6, O 015, adhesive oil



LUBRIFlxx – 12 months

33 162

LUBRIFlxx lubricator, M12, F 002, high temperature grease, NLGI ½

33 163

LUBRIFlxx lubricator, M12, F 003, multi purpose grease + MoS2, NLGI 2

33 164

LUBRIFlxx lubricator, M12, F 004, high temperature grease + MoS2, NLGI 1/2

33 166

LUBRIFlxx lubricator, M12, F 006, viscous transmission oil, EP NLGI 0

33 169

LUBRIFlxx lubricator, M12, F 100, heavy-duty grease, for food industry, NLGI 2

33 178

LUBRIFlxx lubricator, M12, O 015, adhesive oil

LUBRIFlxx accessories / STAUFFER lubricators / Oil level sight glasses

**LUBRIFlxx accessories****03 497**

Hose connection, G 1/8" male, NW 6 x 1

63 732

Retention adapter, G 1/4" i, G 1/8" a

63 736

Retention adapter, G 1/4" i, M 6 x 1 a

63 737

Retention adapter, G 1/4" i, M 8 x 1 a

63 738

Retention adapter, G 1/4" i, M 8 x 1,25 a

63 739

Retention adapter, G 1/4" i, M 10 x 1 a

63 740

Retention adapter, G 1/4" i, M 10 x 1,5 a

63 743

Retention adapter, G 1/4" i, M 12 x 1,5 a

63 750

Angle 45°, G 1/4" i, G 1/4" a

63 763

Hose connection G 1/4" i, NW 6 x 1, for LUBRIFlxx

**63 772**

Sleeve G 1/4" i, G 1/4" i

63 773

Metal extension pipe, 30 mm, R 1/4" a, R 1/4" i

63 789

Adapter, G 1/4" i, G 1/4" a

63 950

Lever ball valve, with turning handle, G 1/4" i, G 1/4" a

63 954

Back flow valve, G 1/4" i, R 1/4" a

63 955

Brush for lubricating, plastic, 50 x 30 mm, G 1/4" i

63 956

Fixing clamp, for LUBRIFlxx

63 957

Fixing clamp, for non-return valve

**STAUFFER lubricators****60 137**

Stauffer lubricator, size 1, Ø 17 mm, 4 g, G 1/8" a

60 238

Stauffer lubricator, size 2, Ø 23 mm, 6 g, G 1/4" a

60 338

Stauffer lubricator, size 3, Ø 31 mm, 10 g, G 1/4" a

60 438

Stauffer lubricator, size 4, Ø 37 mm, 23 g, G 1/4" a

60 538

Stauffer lubricator, size 5, Ø 49 mm, 40 g, G 1/4" a

60 638

Stauffer lubricator, size 6, Ø 57 mm, 65 g, G 1/4" a

60 739

Stauffer lubricator, size 7, Ø 66 mm, 90 g, G 3/8" a

**Oil level sight glasses****75 038**

Oil level sight glass, Dural, G 1/4" a

75 039

Oil level sight glass, Dural, G 3/8" a

75 040

Oil level sight glass, Dural,, G 1/2" a

75 041

Oil level sight glass, Dural, G 3/4" a

75 042

Oil level sight glass, Dural, G 1" a

75 043

Oil level sight glass, Dural, G 1 1/4" a

75 044

Oil level sight glass, Dural, G 1 1/2" a

75 045

Oil level sight glass, Dural, G 2" a

General Terms of Business

1. Scope of application

- 1.1 Our General Terms of Business shall apply to all present and future business relationships with our customers, in particular for our deliveries and services. Differing, opposing or supplementary general terms of business of our customers, even if we are aware of them, shall not form part of the business relationship unless we have expressly approved their validity.
- 1.2 Customers within the meaning of our terms of business are exclusively entrepreneurs, i.e. individuals or legal entities or partnerships with legal capacity for whom the establishment of a business relationship with us represents part of their commercial or free-lance activity.

2 Conclusion of contract

- 2.1 Our quotes are not binding. We reserve the right to make technical changes and changes to the shape, colour and/or weight of our products within reasonable limits.
- 2.2 By ordering the products the customer makes a binding declaration that he intends to purchase the products ordered. We are entitled to accept the offer contained in the order within two weeks of receiving it. Acceptance may be in writing or through delivery of the products to the customer.

3 Delivery

- 3.1 We are entitled to make partial deliveries or perform partial services at any time unless a partial delivery or partial performance of service is not of interest to the customer.
- 3.2 Delivery dates are binding only if they have expressly been confirmed by us as binding. A delivery date shall be deemed to have been kept if the products have left our factory/warehouse by the delivery date. If dispatch or collection is delayed for reasons for which we are not responsible then the delivery date shall be deemed to have been kept if we have informed the customer within the agreed period that the products were ready for dispatch.
- 3.3 If a delivery date cannot be kept because of a strike or a lock-out which may be at one of our suppliers or because of incorrect or delayed delivery by our suppliers or because of mobilization, war, civil unrest or other unforeseen obstacles beyond our control the delivery period shall be extended by the duration of the obstacle.
- 3.4 Our obligation to deliver shall be suspended as long as the customer is in default with a due payment. If delivery of products is to be taken gradually over a certain period of time then delivery shall be spread equally over the entire period of time.

4 Payment

- 4.1 Terms of payment and the treatment of packaging and freight charges are laid down in the current version of our price lists and terms sheets which to this extent form part of these General Terms of Business. Unless agreed otherwise the cost of packaging and freight shall be borne by the customer.
- 4.2 Value added tax at the rate applicable on the day of delivery shall be added to the agreed price.
- 4.3 The customer undertakes to pay the purchase price within 10 days of receiving the products. When this period has expired the customer is in default of payment. While he is in default the customer shall pay interest on his debt at a rate of 8% above the base interest rate. We reserve the right, however, to prove and claim higher damages caused by the default.
- 4.4 Payment dates shall be deemed to have been kept if the amount due is made available to us within the time period. Discount agreements can be honoured only on condition that all due payments have been made. We accept bills of exchange only by agreement and only as fulfilment of our receivable on condition that the full amount due has

been paid into our account. The customer shall bear any expenses incurred.

- 4.5 The customer may only set off counterclaims against our claims if his counterclaim is uncontested or has been upheld in a court of law. A customer may exercise his right of retention only if his counterclaim is based on the same contractual relationship.
- 4.6 If the customer stops making payments, if he is in debt or if insolvency proceedings have been applied for against him or if he is in default in honouring a bill of exchange or a cheque then all claims which we have against the customer shall become due immediately. This also applies in the case of any other serious deterioration in the customer's economic position. In sudraw from the contract.
- 4.7 Turnover: The calculation of turnover includes net sales (excluding VAT) with the optional deduction of discounts, bad debts, freight costs, packaging costs and insurance costs.
Allowance: The calculation of allowance includes net sales (excluding VAT) of paid bills contingent on cash discounts, bad debts, freight costs, packaging costs and insurance costs.
Debits: Payments may only be made on the basis of our credits, unwarranted deductions will remain as open positions with us and are pursued by collection procedure until payment is made.

5 Passing of risks

- 5.1 Risks (risks of transport and remuneration) shall pass to the customer at the latest when the products have been handed over to the person carrying out the transport or have left the factory/warehouse to be dispatched. If dispatch is delayed at the customer's request or due to circumstances for which the customer is responsible the risk shall pass to the customer when he is informed that the products are ready for dispatch.
- 5.2 The choice of the transport route and means of transport is made at our discretion, with no guarantee that they are the cheapest.
- 5.3 At the customer's request, an insurance of the customer's choice shall be taken out for a delivery, the costs of which shall be borne by the customer.

6 Reservation of title

- 6.1 We shall retain the ownership of the products until all claims arising from the business relationship have been fully met.
- 6.2 The customer must treat the products as intended and with care. Where maintenance and servicing are required the customer must have these carried out regularly at his own cost.
- 6.3 The customer must inform us immediately if third parties have access to the products or if they are damaged or destroyed. The customer must inform us immediately of any change of ownership of the products or if he himself changes his address.
- 6.4 Should the customer breach the terms of this contract, in particular through default of payment or by breaching an obligation as set out in 2. and/or 3. above, we are entitled to withdraw from the contract and demand the return of the products.
- 6.5 If the customer re-designs or processes the products this shall always be done in our name and on our behalf. If the processing or re-designing is done using other objects which do not belong to us we shall acquire ownership of the new object in proportion to the objective value of our products in relation to the other objects used at the time the processing or re-designing was done. This also applies if the products are mixed with other objects which do not belong to us.
- 6.6 The customer is entitled to sell or hire out the products to others in the ordinary course of business. He shall immediately assign to us all claims amounting to the final invoice sum agreed with us (including VAT) which have accrued to him through the sale or hiring out of the products to others. This shall apply regardless of whether the customer sells or hires out the products with or without processing, mixing or re-designing. We accept the assignment. After the assignment the

customer remains entitled to collect the payment due. This does not affect our right to collect the payment ourselves. We undertake however not to collect the payment due as long as the customer meets his financial obligations to us in the proper manner and is not in default of payment. Further, we undertake, at the customer's request, to release securities due to us where the actual value of our securities exceeds the amount of the claims to be secured by more than 20%; the choice of the securities to be released lies with us.

7 Defects

- 7.1 In the case of defects in the products, the defect shall, at the customer's option, be rectified by us either through repair or replacement. We are however entitled to refuse the option chosen if it would involve disproportionately high costs and the other option would not bring the customer serious disadvantages.
- 7.2 If the repair or replacement is not successful the customer may choose between a reduction in price ("Diminution") or the cancellation of the contract ("Withdrawal"). The customer has no right of Withdrawal in the case of a minor breach of contract, in particular in the case of minor defects,
- 7.3 The customer must report obvious defects to us in writing within two weeks of receipt of the products. If this is not done then he has no right of redress, in particular of Diminution or Withdrawal. The deadline has been kept if the report is sent in good time. The customer shall take full responsibility for providing proof of all claims, in particular of the defect itself, the point in time when the defect was determined and for lodging the complaint in good time.
- 7.4 If the customer elects to withdraw from the contract because of defects in the products after attempts to rectify the defect have failed he shall have no further claim to compensation because of the defect. If the customer chooses compensation after attempts to rectify the defect have failed then the products shall remain with the customer if this is reasonable. Compensation shall be limited to the difference between the purchase price and the value of the defective object. This shall not apply if we have fraudulently breached the contract.
- 7.5 Where the customer uses the products himself or sells them exclusively to entrepreneurs the period of limitation for a claim based on a defect provided that they were reported to us in good time as set out in 3. above is one year following delivery of the products.
- 7.6 In the case of default of payment and the customer's loss of credit-worthiness we may refuse to remedy a claim based on a defect until the customer has met his financial obligations to an extent equivalent to the invoice value of our products supplied minus Diminution appropriate to the faults.
- 7.7 The above paragraphs 1 to 6 of this provision do not constitute a guarantee on our part. Claims by customers based on separate guarantees shall remain unaffected.

8 Limitations on liability

- 8.1 In cases of minor negligence our liability, depending on the type of products, is limited to foreseeable, direct, typical for the contract, average damage. This also applies to cases of minor negligence by our legal representatives or persons acting on our behalf.
- 8.2 The restrictions on liability mentioned above do not apply to customer claims based on product liability. Nor do the limitations on liability apply to damage to the person or health of the customer or to loss of life attributable to us.
- 8.3 The customer's claims to compensation because of a defect shall lapse one year after delivery of the products. This shall not apply in the case of fraudulent intent on our part.

9 Prohibition of assignment and pledging

The customer shall not assign or pledge claims arising to him from our business relationship without our express prior written approval.

10 Place of jurisdiction

The exclusive place of jurisdiction for all disputes arising from this business relationship is Freiburg. This also applies if the customer has no general place of jurisdiction in Germany or if his place of resident or usual place of residence is not known at the time the suit is filed. We are however entitled to appeal to any legally responsible court.

11 Applicable law

The law of the Federal Republic of Germany shall apply exclusively. The Hague Convention relating to a Uniform Law on the Formation of Contracts for the International Sale of Goods dated July 1, 1964 and the United Nations Convention on Contracts for the International Sale of Goods dated April 11, 1980 shall be excluded.

Article No.	Pages	PU	Dimensions	Weight
00 220	13	1	Ø 6 mm, L 165 mm	0,008 kg
00 238	19	1	ØxL 39 × 320 mm	0,035 kg
00 238 820	22	1	ØxL 40 × 330 mm	0,33 kg
00 239	81	1	280 × 110 × 20 mm	0,23 kg
00 258	15	1	300 × 110 × 35 mm	0,044 kg
00 328	22	1	ØxL 30 × 160 mm	0,015 kg
00 328 950	22	1	ØxL 30 × 160 mm	0,015 kg
00 816	60	1	Ø 24 mm, L 90 mm	0,11 kg
00 844	82	1	160 × 65 × 18 mm	0,09 kg
00 956	15		on request	
01 017	82	1	Ø 19 mm, L 1000 mm	0,14 kg
01 018	82	1	Ø 18 mm (außen), LxB mm	0,012 kg
01 019	82	1	540 × 35 × 20 mm	0,14 kg
01 051	81	1	200 × 55 × 23 mm	0,017 kg
01 052	82	1	Ø 20 mm a mm, L 1000 mm	0,2 kg
01 057	81	1	Ø 32 mm, L 14 mm	0,04 kg
01 070	13	1	Ø 6 mm, L 105 mm	0,005 kg
01 071	13	1	Ø 6 mm, L 135 mm	0,007 kg
01 112	12	6	LxWxH 335 × 230 × 120 mm	1,20 kg (P)
01 130	13	1	Ø 11 mm, L 210 mm	0,013 kg
01 136	13	1	Ø 11 mm, L 150 mm	0,011 kg
01 141	55	1	130 × 40 × 25 mm (P)	0,056 kg (P)
01 172	19	1	Ø 58 mm, L 150 mm	0,006 kg
01 297	61	1	ØxL 29 × 58 mm	0,149 kg
02 342	19	6	LxWxH 355 × 355 × 260 mm	1,83 kg
02 344	19	6	LxWxH 500 × 305 × 330 mm	2,81 kg
02 344 950	19	4	LxWxH 500 × 355 × 300 mm	3,100 kg
02 360	18	10	LxWxH 330 × 260 × 220 mm	0,910 kg (P)
02 360 954	18	1	LxWxH 330 × 245 × 180 mm	1,400 kg
02 361	18	10	LxWxH 190 × 100 × 55 mm	0,060 kg
02 362	18	10	LxWxH 250 × 170 × 75 mm	0,120 kg
02 363	18	10	LxWxH 280 × 200 × 100 mm	0,220 kg
02 364	18	10	LxWxH 330 × 270 × 120 mm	0,325 kg
02 365	18	10	LxWxH 370x260x160 mm	0,754 kg (P)
02 366	18	6	LxWxH 460x305x280 mm	1,47 kg (P)
02 366 017	18	6	LxWxH 460x305x280 mm	1,5 kg (P)
02 367	18	6	LxWxH 500x305x330 mm	1,66 kg (P)
02 367 020	18	6	LxWxH 500x305x330 mm	1,70 kg (P)
02 369	18	1	Ø 355 mm	0,485 kg
02 370	19	1	LxWxH 280 × 190 × 300 mm	0,377 kg
02 371	19	1	Ø 65,7 mm, H 435 mm	0,006 kg
02 372	18	5	LxWxH 340x320x210 mm	0,860 kg (P)
02 372 043	18	5	LxWxH 330 × 275 × 215 mm	1,450 kg
02 562	19	6	LxWxH 460x305x275 mm	1,22 kg (P)
02 563	19	6	LxWxH 195 × 160 × 220 mm	kg
02 568	19	1	LxWxH 330 × 265 × 215 mm	0,834 kg
02 569	19	1	LxWxH 330 × 265 × 215 mm	0,879 kg
02 640	19	6	LxWxH 330x130x135 mm	1,02 kg (P)
02 645	19	6	LxWxH 460x305x275 mm	2,9 kg (P)
02 662	18	6	LxWxH 460 × 305 × 280 mm	1,250 kg
02 665	18	6	LxWxH 340x310x210 mm	0,90 kg (P)
02 671	19	6	LxWxH 300 × 240 × 160 mm	0,820 kg
02 674	18	6	LxWxH 460 × 305 × 280 mm	1,285 kg (P)
02 675	18	6	LxWxH 460x305x280 mm	2,13 kg
03 497	91	1	Ø 15 mm, L 25 mm	0,02 kg
03 802	12	6	LxWxH 335 × 230 × 120 mm	2,82 kg (P)
03 803	12	6	LxWxH 335 × 230 × 120 mm	3,13 kg (P)
03 805	12	6	LxWxH 430 × 260 × 120 mm	3,86 kg
03 902	12	6	LxWxH 330 × 245 × 180 mm	5,5 kg (P)
03 903	12	6	LxWxH 335 × 230 × 120 mm	3,14 kg (P)
03 903 950	12	6	LxWxH 330 × 260 × 200 mm	6,655 kg
03 905	12	6	LxWxH 430 × 260 × 120 mm	3,9 kg
04 111	13	6	LxWxH 240 × 105 × 200 mm	0,83 kg (P)

Article No.	Pages	PU	Dimensions	Weight
04 802	12	6	LxWxH 335x230x120 mm	1,69 kg (P)
04 803	12	6	LxWxH 340 × 225 × 120 mm	1,8 kg (P)
04 805	12	6	LxWxH 430 × 260 × 120 mm	2 kg
04 902	12	6	LxWxH 335x230x120 mm	1,71 kg (P)
04 903	12	6	LxWxH 335x 230 × 120 mm	1,8 kg (P)
04 905	12	6	LxWxH 430 × 260 × 120 mm	2 kg
05 069	13	1	Ø 10 mm, L 118 mm	0,016 kg
05 070	13	1	Ø 15 mm, L 135 mm	0,012 kg
05 111	13	6	LxWxH 330 × 220 × 170 mm	3,1 kg
05 112	13	6	LxWxH 215x125x155 mm	0,91 kg (P)
05 113	13	6	LxWxH 335 × 230 × 120 mm	1,43 kg (P)
05 114	13	6	LxWxH 340x230x120 mm	1,52 kg (P)
05 115	13	6	LxWxH 305 × 305 × 140 mm	1,66 kg (P)
05 118	13	6	LxWxH 330 × 270 × 210 mm	1,9 kg
05 119	13	6	LxWxH 330 × 270 × 210 mm	2,2 kg
05 121	13	6	LxWxH 210x125x160 mm	0,85 kg (P)
05 122	13	6	LxWxH 330 × 270 × 210 mm	3,9 kg
05 133	13	6	LxWxH 335 × 230 × 120 mm	1,43 kg (P)
05 134	13	6	LxWxH 335x230x120 mm	1,53 kg (P)
05 135	13	6	LxWxH 310x310x140 mm	1,72 kg (P)
05 138	13	6	LxWxH 335 × 225 × 125 mm	1,25 kg (P)
05 139	13	6	LxWxH 330 × 270 × 210 mm	2,2 kg
05 223	12	6	LxWxH 335 x230 × 120 mm	1,6 kg (P)
05 224	12	6	LxWxH 335 × 230 × 120 mm	1,67 kg (P)
05 225	12	6	LxWxH 310x310x135 mm	1,91 kg (P)
05 226	12	6	LxWxH 330 × 270 × 210 mm	2,17 kg
06 061	14	10	LxWxH 150 × 100 × 60 mm	0,11 kg
06 062	14	10	LxWxH 130 × 150 × 50 mm	0,13 kg
06 064	14	10	LxWxH 240 × 105 × 200 mm	0,33 kg (P)
06 065	14	10	LxWxH 335 × 230 × 120 mm	0,52 kg (P)
06 066	14	10	LxWxH 330 × 220 × 170 mm	0,7 kg
06 068	14	10	LxWxH 150 × 150 × 50 mm	0,132 kg
06 100	15	1	300 × 120 × 35 mm	0,047 kg
06 122	14	6	LxWxH 65 × 27 × 160 mm	0,022 kg
06 178	14	6	LxWxH 480 × 350 × 310 mm	3,62 kg
06 266	14	6	LxWxH 310x310x135 mm	0,87 kg (P)
06 266 820	14	6	LxWxH 310x310x135 mm	0,87 kg (P)
06 267	14	6	LxWxH 310 × 310 × 140 mm	0,87 kg (P)
06 267 820	14	6	LxWxH 310 × 310 × 140 mm	0,87 kg (P)
06 267 956	14	6	LxWxH 310 × 310 × 140 mm	0,87 kg (P)
06 766	14	6	LxWxH 335x230x120 mm	0,48 kg (P)
06 863	14	10	LxWxH 290x120x60 mm	0,28 kg (P)
06 864	13	10	LxWxH 235 × 105 × 200 mm	0,47 kg (P)
06 865	13	10	LxWxH 330 × 220 × 170 mm	1,23 kg
06 866	13	10	LxWxH 330x215x160 mm	0,83 kg
06 902	14	1	LxWxH 260 × 125 × 300 mm	0,420 kg
06 905	14	1	LxWxH 200 × 200 × 520 mm	2,120 kg
06 910	14	1	LxWxH 220 × 220 × 570 mm	2,500 kg
06 931	15	1	LxWxH 120 × 45 × 190 mm	0,070 kg
06 932	15	1	ØxL 25 × 110 mm	0,011 kg
06 933	15	1	260 × 70 × 320 mm	0,192 kg
06 934	15	1	LxWxH 120 × 45 × 190 mm	0,061 kg
06 935	15	1	LxWxH 120 × 30 × 190 mm	0,055 kg
06 936	15	1	130 × 75 × 395 mm	0,301 kg
06 937	15	1	83 × 40 × 28 mm	0,022 kg
06 938	15	1	90 × 105 × 35 mm	0,018 kg
06 939	15	0	610 × 140 × 30 mm	0,122 kg
06 960	15	1	LxWxH 120 × 45 × 190 mm	0,039 kg
06 961	15	1	on request	
07 060	22	12	LxWxH 320 × 110 × 320 mm	0,48 kg
07 061	22	12	LxWxH 400 × 120 × 140 mm	0,93 kg
07 062	22	6	LxWxH 300 × 160 × 140 mm	0,9 kg
07 063	22	6	LxWxH 370 × 180 × 160 mm	1,5 kg

Article No.	Pages	PU	Dimensions	Weight	Article No.	Pages	PU	Dimensions	Weight
07 064	22	6	LxWxH 400 x 210 x 180 mm	1,74 kg (P)	09 540	31	10	LxWxH 150 x 150 x 200 mm	1,18 kg
07 065	22	6	LxWxH 440 x 220 x 250 mm	2,746 kg	10 062	31	25	LxWxH 290 x 150 x 130 mm	1,7 kg
07 071	22	1	LxWxH 210 x 150 x 245 mm	0,37 kg	10 097	31	10	LxWxH 150 x 150 x 200 mm	1,18 kg
07 341	23	5	LxWxH 370x260x160 mm	1,11 kg (P)	10 098	31	10	LxWxH 165 x 150 x 90 mm	0,82 kg
07 341 831	23	1	LxWxH 170 x 70 x 230 mm	0,18 kg	10 099	31	10	LxWxH 165 x 150 x 90 mm	0,82 kg
07 342	23	5	LxWxH 510x290x165 mm	1,6 kg (P)	10 167	31	1	LxWxH 290 x 150 x 130 mm	1,7 kg
07 342 831	23	5	LxWxH 190 x 90 x 270 mm	0,26 kg	10 189	31	1	LxWxH 290 x 150 x 130 mm	0,9 kg
07 343	23	5	LxWxH 350 x 350 x 260 mm	2,14 kg	10 562	31	10	LxWxH 150 x 150 x 200 mm	1,18 kg
07 343 831	23	1	LxWxH 210 x 115 x 320 mm	0,35 kg	10 564	31	10	LxWxH 150 x 150 x 200 mm	1,18 kg
07 500	22	1	LxWxH 160 x 70 x 190 mm	0,063 kg	10 565	31	10	LxWxH 150 x 150 x 200 mm	1,18 kg
07 501	22	1	LxWxH 190 x 85 x 230 mm	0,1 kg	10 566	31	10	LxWxH 150 x 150 x 200 mm	1,18 kg
07 502	22	1	LxWxH 230 x 105 x 290 mm	0,18 kg	10 571	31	10	LxWxH 150 x 150 x 200 mm	1,18 kg
07 503	22	1	LxWxH 265 x 130 x 335 mm	0,22 kg	10 573	31	10	LxWxH 150 x 150 x 200 mm	1,18 kg
07 505	22	1	LxWxH 300 x 135 x 380 mm	0,36 kg	10 574	31	10	LxWxH 150 x 150 x 200 mm	1,18 kg
07 520	22	6	LxWxH 100 x 70 x 190 mm	0,084 kg	10 589	31	10	LxWxH 150 x 150 x 200 mm	0,9 kg
07 521	22	6	LxWxH 340x310x210 mm	0,97 kg (P)	10 593	31	10	LxWxH 150 x 150 x 200 mm	1,18 kg
07 522	22	6	LxWxH 230 x 105 x 290 mm	0,195 kg	10 595	31	10	LxWxH 150 x 150 x 200 mm	1,18 kg
07 523	22	6	LxWxH 265 x 130 x 335 mm	0,235 kg	10 596	31	10	LxWxH 150 x 150 x 200 mm	1,18 kg
07 525	22	6	LxWxH 300 x 135 x 380 mm	0,375 kg	10 597	31	10	LxWxH 150 x 150 x 200 mm	1,18 kg
07 600	22	1	LxWxH 160 x 70 x 190 mm	0,078 kg	10 830	31	10	LxWxH 330 x 215 x 170 mm	2,95 kg
07 601	22	1	LxWxH 190 x 85 x 230 mm	0,114 kg	12 002	53,76	1	Ø 12 mm, L 8 mm	0,003 kg
07 602	22	1	LxWxH 230 x 105 x 290 mm	0,215 kg	12 003	53,76	1	Ø 12 mm, L 15 mm	0,005 kg
07 603	22	1	LxWxH 265 x 130 x 335 mm	0,275 kg	12 006	54	1	Ø 18 mm, L 31 mm	0,034 kg
07 605	22	1	LxWxH 300 x 135 x 380 mm	0,382 kg	12 006 125	54	1	Ø 18 mm, L 41 mm	0,034 kg
07 620	22	6	LxWxH 160 x 70 x 190 mm	0,088 kg	12 010 401	53,76	1	54 x 23 x 22 mm	0,075 kg
07 621	22	6	LxWxH 337 x 306 x 200 mm	1,0 kg	12 013	53	1	Ø 20 mm, L 41 mm	0,05 kg
07 622	22	6	LxWxH 230 x 105 x 290 mm	0,200 kg	12 016	53	1	ØxL 15 x 23 mm	0,012 kg
07 623	22	6	LxWxH 265 x 130 x 335 mm	0,270 kg	12 023	53	1	Ø 20 mm, L 41 mm	0,05 kg
07 625	22	6	LxWxH 300 x 135 x 380 mm	0,410 kg	12 035	53	1	29 x 15 x 15 mm	0,032 kg
07 642	23	6	LxWxH 350 x 350 x 260 mm	2,4 kg	12 035 805	53	1	29 x 15 x 15 mm	0,032 kg
07 643	23	6	LxWxH 500 x 280 x 240 mm	3,074 kg (P)	12 042	54	1	ØxL 18 x 184 mm	0,072 kg
07 805	23	1	LxWxH 300 x 170 x 400 mm	0,606 kg	12 043	54	1	ØxL 18 x 188 mm	0,071 kg
07 810	23	1	LxWxH 390 x 220 x 475 mm	0,903 kg	12 044	54	1	202 x 23 x 20 mm	0,160 kg
08 041	23	5	LxWxH 500 x 300 x 340 mm	3,4 kg	12 048	54	1	ØxL 18 x 360 mm	0,132 kg
08 042	23	2	LxWxH 350 x 350 x 260 mm	1,870 kg (P)	12 049	54	1	ØxL 18 x 560 mm	0,149 kg
08 043	23	2	LxWxH 500 x 370 x 260 mm	2,6 kg	12 054	54	1	203 x 35 x 30 mm	0,226 kg
08 052	23	2	LxWxH 350 x 350 x 260 mm	1,95 kg	12 055	54	1	205 x 20 x 26 mm	0,117 kg
08 053	23	2	LxWxH 500 x 370 x 260 mm	2,75 kg	12 056	54	1	ØxL 18 x 210 mm	0,095 kg
08 054	23	1	LxWxH 350 x 230 x 500 mm	1,4 kg	12 057	54	1	210 x 30 x 60 mm	0,226 kg
08 062	23	1	LxWxH 330 x 190 x 435 mm	1,8 kg	12 060	53,76	1	32 x 20 x 26 mm	0,058 kg
08 062 831	23	1	LxWxH 330 x 190 x 435 mm	1,8 kg	12 060 125	53,76	1	32 x 20 x 26 mm	0,058 kg
08 063	23	1	LxWxH 360 x 240 x 520 mm	2,43 kg	12 061	53,76	1	35 x 25 x 17 mm	0,045 kg
08 063 831	23	1	LxWxH 540x290x550 mm	5,92 kg (P)	12 061 125	53,76	1	35 x 25 x 17 mm	0,045 kg
08 069	23	1	LxWxH 470 x 300 x 630 mm	4,0 kg	12 062	53,76	1	30 x 22 x 20 mm	0,046 kg
08 069 831	23	1	LxWxH 470 x 300 x 630 mm	3,85 kg	12 062 125	53,76	1	30 x 22 x 20 mm	0,046 kg
09 096	30	12	LxWxH 225 x 175 x 185 mm	2,651 kg	12 063	53,76	1	31 x 27 x 20 mm	0,053 kg
09 096 924	30	12	LxWxH 225 x 175 x 185 mm	2,651 kg	12 063 125	53,76	1	31 x 27 x 20 mm	0,053 kg
09 096 936	30	12	LxWxH 225 x 175 x 185 mm	2,651 kg	12 071	53,76	1	Ø 12 mm, L 14 mm	0,06 kg
09 102	30	12	LxWxH 280 x 217 x 215 mm	4,895 kg	12 072	76	1	Ø 12 mm, L 8 mm	0,003 kg
09 104	30	12	LxWxH 280 x 217 x 215 mm	4,905 kg	12 073	53, 53, 76	1	on request	0,003 kg
09 106	30	12	LxWxH 225 x 175 x 185 mm	2,794 kg	12 086	53	1	ØxL 15 x 23 mm	0,012 kg
09 108	30	12	LxWxH 280 x 217 x 215 mm	4,614 kg	12 094	46	1	on request	0,03 kg
09 110	30	12	LxWxH 280 x 217 x 215 mm	4,721 kg	12 110	32	10	LxWxH 400 x 140 x 75 mm	1,24 kg
09 112	30	12	LxWxH 225 x 175 x 185 mm	2,915 kg	12 111	32	10	LxWxH 400 x 140 x 75 mm	1,24 kg
09 114	30	12	LxWxH 280 x 217 x 215 mm	4,706 kg	12 112	32	10	LxWxH 280 x 120 x 55 mm	1,5 kg
09 116	30	12	LxWxH 280 x 217 x 215 mm	4,807 kg	12 150	33	10	LxWxH 280 x 120 x 55 mm	0,37 kg
09 118	30	12	LxWxH 225 x 175 x 185 mm	2,467 kg	12 151	33	10	LxWxH 280 x 120 x 55 mm	0,37 kg
09 120	30	12	LxWxH 280 x 217 x 215 mm	4,880 kg	12 152	33	10	LxWxH 280 x 120 x 55 mm	0,42 kg
09 122	30	12	LxWxH 280 x 217 x 215 mm	5,976 kg	12 153	33	10	LxWxH 280 x 120 x 55 mm	0,42 kg
09 124	30	12	LxWxH 280 x 217 x 215 mm	4,184 kg	12 156	33	10	LxWxH 280 x 120 x 55 mm	0,42 kg
09 126	30	12	LxWxH 280 x 217 x 255 mm	5,825 kg	12 157	33	10	LxWxH 280 x 120 x 55 mm	0,42 kg
09 128	30	12	LxWxH 280 x 217 x 215 mm	5,132 kg	12 226	49	1	LxWxH 285 x 120 x 55 mm	0,65 kg
09 130	30	12	LxWxH 280 x 217 x 210 mm	4,597 kg	12 250	49	1	LxWxH 400 x 140 x 75 mm	1,31 kg

Article No.	Pages	PU	Dimensions	Weight
12 250 950	49	1	LxWxH 400 x 140 x 75 mm	1,4 kg
12 254	49	1	LxWxH 400 x 140 x 75 mm	1,4 kg
12 256	49	1	on request	1,36 kg
12 270	49	1	LxWxH 400 x 140 x 75 mm	1,3 kg
12 274	49	1	LxWxH 400 x 140 x 75 mm	1,4 kg
12 276	49	1	LxWxH 285 x 120 x 55 mm	0,65 kg
12 282	46	1	LxWxH 530 x 170 x 80 mm	1,8 kg (P)
12 282 125	46	1	LxWxH 530 x 170 x 75 mm	1,7 kg
12 321	56	1	Ø 40 mm, L 210 mm	0,07 kg
12 322	56	1	Ø 50 mm, L 210 mm	0,09 kg
12 331	56	1	Ø 40 mm, L 210 mm	0,07 kg
12 332	56	1	Ø 50 mm, L 210 mm	0,09 kg
12 362	56	1	LxWxH 160 x 47 x 47 mm	0,32 kg (P)
12 363	56	1	LxWxH 220 x 48 x 48 mm	0,44 kg (P)
12 365	56	1	LxWxH 265 x 55 x 55 mm	0,65 kg (P)
12 435	52	1	Ø 10 mm, L 150 mm	0,032 kg
12 475	52	1	Ø 10 mm, L 150 mm	0,032 kg
12 501	55	1	Ø 148 mm, L 102 mm	1,053 kg (P)
12 505 785	55	24	LxWxH 340 x 230 x 300 mm	13,6 kg
12 507	55	20	LxWxH 285 x 250 x 230 mm	9,2 kg
12 511	55	20	LxWxH 285 x 250 x 230 mm	9,2 kg
12 516	55	20	LxWxH 285 x 250 x 230 mm	9,2 kg
12 518	55	20	LxWxH 285 x 250 x 230 mm	9,2 kg
12 519	46	1	Ø 52 mm, L 240 mm	0,034 kg
12 524	46, 55	1	on request	500 g
12 602	50	1	LxWxH 390 x 125 x 66 mm	1,36 kg
12 626	54,76	1	LxWxH 160 x 100 x 65 mm	2,64 kg
12 630	48	10	LxWxH 400 x 360 x 145 mm (P)	13,2 kg (P)
12 630 125	48	10	LxWxH 400 x 360 x 145 mm	13,2 kg
12 631	54,76	1	LxWxH 160 x 100 x 65 mm	3,20 kg
12 631 104	54		on request	
12 631 252	33,54	1	LxWxH 45 x 60 x 15 mm	0,039 kg
12 632	48	10	LxWxH 400 x 360 x 145 mm	13,2 kg
12 632 125	48	10	LxWxH 400 x 360 x 145 mm	13,2 kg
12 633	48	1	LxWxH 400 x 140 x 75 mm	1,35 kg (P)
12 633 125	48	1	LxWxH 400 x 140 x 75 mm	1,35 kg
12 633 950	48	1	LxWxH 400 x 140 x 75 mm	1,35 kg
12 634	48	1	LxWxH 400 x 140 x 75 mm	1,35 kg
12 634 125	48	1	LxWxH 400 x 140 x 75 mm	1,35 kg
12 634 950	48	1	LxWxH 400 x 140 x 75 mm	1,35 kg
12 635	52	1	Ø 10 mm, L 150 mm	0,032 kg
12 635 810	52	1	Ø 15 mm, L 180 mm	0,065 kg
12 635 814	52	1	Ø 12 mm, L 155 mm	0,036 kg
12 635 816	52	1	Ø 12 mm, L 155 mm	0,037 kg
12 636	48	1	LxWxH 400 x 140 x 75 mm	1,36 kg (P)
12 636 100	48	1	LxWxH 400 x 140 x 75 mm	1,4 kg
12 636 101	48	1	LxWxH 400 x 140 x 75 mm	1,47 kg (P)
12 636 102	48	1	LxWxH 400 x 140 x 75 mm	1,4 kg
12 636 103	48	1	LxWxH 400 x 140 x 75 mm	1,45 kg
12 637	48	1	LxWxH 400 x 140 x 75 mm	1,34 kg
12 637 101	48	1	LxWxH 400 x 140 x 75 mm	1,43 kg
12 638	48	10	LxWxH 400 x 360 x 145 mm	12,5 kg (P)
12 638 776	49	1	LxWxH 400 x 140 x 75 mm	1,35 kg
12 638 778	47	1	LxWxH 400 x 140 x 75 mm	1,6 kg
12 638 780	47	1	LxWxH 400 x 140 x 75 mm	1,45 kg
12 638 782	49	1	LxWxH 400 x 140 x 75 mm	1,340 kg
12 642	54,76	1	LxWxH 160 x 100 x 65 mm	3,66 kg (P)
12 643	54,76	1	LxWxH 160 x 100 x 65 mm	3,11 kg (P)
12 655	51	1	Ø 15 mm, L 300 mm	0,066 kg
12 655 809	51	1	Ø 15 mm, L 330 mm	0,1 kg
12 655 810	51	1	Ø 15 mm, L 330 mm	0,1 kg
12 655 818	51	1	325 x 20 x 23 mm	0,11 kg
12 655 819	51	1	325 x 30 x 35 mm	0,23 kg

Article No.	Pages	PU	Dimensions	Weight
12 656	52	1	Ø 11 mm, L 300 mm	0,033 kg
12 656 810	52	1	Ø 15 mm, L 330 mm	0,064 kg
12 665	51	1	Ø 15 mm, L 500 mm	0,085 kg
12 665 809	51	1	Ø 15 mm, L 530 mm	0,15 kg
12 665 810	51	1	Ø 15 mm, L 530 mm	0,15 kg
12 665 818	51	1	520 x 20 x 23 mm	0,13 kg
12 665 819	51	1	520 x 30 x 35 mm	0,24 kg
12 666	52	1	Ø 11 mm, L 500 mm	0,042 kg
12 666 810	52	1	Ø 11 mm, L 530 mm	0,073 kg
12 667	63	1	LxWxH 490 x 40 x 170 mm (P)	0,83 kg
12 669	53	1	Ø 13 mm, L 27 mm	0,017 kg
12 670	53	1	Ø 11 mm, L 20 mm	0,006 kg
12 675	47	1	LxWxH 400 x 140 x 75 mm	1,64 kg
12 675 125	47	1	LxWxH 400 x 140 x 75 mm	1,64 kg
12 676	46	1	LxWxH 400 x 170 x 75 mm	1,67 kg
12 676 040	46	1	LxWxH 400 x 165 x 75 mm	1,94 kg (P)
12 676 302	46	1	LxWxH 400 x 170 x 75 mm	1,75 kg
12 676 956	46	1	on request	
12 678	46	1	LxWxH 530 x 170 x 75 mm	2,18 kg (P)
12 678 302	46	1	LxWxH 530 x 170 x 75 mm	2,05 kg
12 679	47	1	LxWxH 400 x 140 x 75 mm	1,68 kg
12 679 125	47		on request	
12 684 782	49	1	LxWxH 400 x 140 x 75 mm	1,156 kg
12 685 780	47	1	510 x 125 x 70 mm (P)	1,87 kg (P)
12 685 782	49	1	510 x 125 x 70 mm (P)	1,5 kg (P)
12 686 780	47	1	600 x 125 x 70 mm (P)	2,1 kg (P)
12 686 782	49	1	LxWxH 600 x 125 x 70 mm	1,65 kg (P)
12 688	50	1	LxWxH 540 x 125 x 70 mm	1,2 kg
12 695	47	1	LxWxH 400 x 140 x 75 mm	1,6 kg
12 698	47	1	LxWxH 400 x 140 x 75 mm	1,76 kg (P)
12 698 125	47	1	LxWxH 400 x 140 x 75 mm	1,73 kg
12 699	53	1	66 x 40 x 50 mm	0,114 kg
12 704	32	5	on request	7,1 kg
12 710	32	5	LxWxH 6,6 mm	1,28 kg
12 711	32	5	on request	1,28 kg
12 712	32	5	on request	1,28 kg
12 716 125	32	5	on request	1,28 kg
12 726	54	1	LxWxH 160 x 100 x 65 mm	2,63 kg
12 731	54, 63, 76	1	LxWxH 160 x 100 x 65 mm	3,16 kg
12 733 804	48	1	LxWxH 400 x 140 x 75 mm	1,35 kg
12 734 804	48	1	LxWxH 400 x 140 x 75 mm	1,35 kg
12 734 805	48		on request	
12 735	52,63	1	Ø 10 mm, L 150 mm	0,032 kg
12 735 810	52	1	Ø 15 mm, L 180 mm	0,063 kg
12 735 814	52	1	Ø 12 mm, L 155 mm	0,036 kg
12 735 816	52	1	Ø 12 mm, L 155 mm	0,037 kg
12 736 128	48	1	LxWxH 400 x 140 x 75 mm	1,55 kg
12 743	54,76	1	LxWxH 160 x 100 x 65 mm	3,16 kg
12 751	51	1	Ø 15 mm, L 230 mm	0,06 kg
12 751 123	51	1	Ø 15 mm, L 230 mm	0,06 kg
12 753	52	1	Ø 11 mm, L 230 mm	0,023 kg
12 755	51	1	Ø 15 mm, L 300 mm	0,066 kg
12 755 809	51	1	Ø 15 mm, L 330 mm	0,1 kg
12 755 810	51,52	1	Ø 15 mm, L 330 mm	0,1 kg
12 755 818	51	1	325 x 20 x 23 mm	0,11 kg
12 755 819	51	1	335 x 30 x 35 mm	0,24 kg
12 756	52,52	1	Ø 11 mm, L 300 mm	0,033 kg
12 756 810	52,52	1	Ø 15 mm, L 330 mm	0,064 kg
12 757	33	10	LxWxH 400 x 140 x 75 mm	0,52 kg
12 758	33	10	LxWxH 400 x 140 x 75 mm	0,8 kg
12 759	33	10	LxWxH 580 x 85 x 100 mm	0,61 kg
12 760	33	10	LxWxH 400 x 140 x 75 mm	1,2 kg
12 761	33	10	LxWxH 580 x 85 x 100 mm	1,08 kg

Article No.	Pages	PU	Dimensions	Weight
12 765	51	1	Ø 15 mm, L 500 mm	0,085 kg
12 765 601	51,63	1	ØxL 17 x 1500 mm	0,172 kg
12 765 809	51	1	Ø 15 mm, L 530 mm	0,15 kg
12 765 810	51	1	Ø 15 mm, L 530 mm	0,15 kg
12 765 818	51	1	520 x 20 x 23 mm	0,13 kg
12 765 819	51	1	530 x 30 x 35 mm	0,25 kg
12 826	46	1	LxWxH 530 x 170 x 75 mm	1,93 kg (P)
12 826 125	46	1	LxWxH 530 x 170 x 75 mm	1,8 kg
12 850	46	1	LxWxH 360 x 200 x 42 mm	1,25 kg
12 851	46	1	LxWxH 360 x 200 x 42 mm	1,269 kg
12 855	33	10	LxWxH 400 x 140 x 75 mm	0,84 kg
12 857	33	10	LxWxH 400 x 140 x 75 mm	0,52 kg
12 858	33	10	LxWxH 400 x 140 x 75 mm	0,8 kg
12 859	33	10	LxWxH 580 x 85 x 100 mm	0,61 kg
12 860	33	10	LxWxH 400 x 140 x 75 mm	1,2 kg
12 861	33	10	LxWxH 580 x 85 x 100 mm	1,08 kg
12 875	33	10	LxWxH 400 x 140 x 75 mm	0,84 kg
12 902	56	1	LxWxH 365 x 80 x 80 mm	0,75 kg (P)
12 907	56	1	LxWxH 365 x 80 x 80 mm	0,920 kg
12 908	56	1	LxWxH 595 x 90 x 100 mm	1,2 kg (P)
12 910	56	1	LxWxH 365 x 80 x 80 mm	0,9 kg
12 910 952	56	1	365 x 80 x 80 mm (P)	1 kg
12 912	32	5	on request	3,7 kg
12 917	32	5	on request	4,5 kg
12 931	56	1	LxWxH 590 x 90 x 100 mm	1,221 kg
12 932	56	1	LxWxH 590 x 90 x 100 mm	1,4 kg (P)
12 935	56	1	LxWxH 430 x 145 x 55,5 mm	0,627 kg
12 936	56	1	LxWxH 540 x 160 x 67,5 mm	0,97 kg
12 940	56	1	LxWxH 390 x 100 x 65 mm	0,68 kg (P)
12 942	56	1	Ø 10 mm, L 220 mm	0,046 kg
12 944	56	1	Ø 13 mm, L 270 mm	0,118 kg
12 951	56	1	Ø 10 mm, L 350 mm	0,036 kg
12 954	56	1	Ø 13 mm, L 470 mm	0,053 kg
12 955	56	1	LxWxH 90 x 70 x 40 mm	0,09 kg
13 005	81	1	LxWxH 820 x 155 x 115 mm	2,100 kg
13 009	81	1	LxWxH 625 x 100 x 80 mm	0,69 kg (P)
13 009 954	81	1	LxWxH 625 x 100 x 80 mm	0,71 kg (P)
13 009 956	81	1	LxWxH 625 x 100 x 100 mm	0,8 kg
13 010	81	1	LxWxH 1100 x 85 x 85 mm	1,6 kg
13 012	81	1	LxWxH 800 x 90 x 90 mm	1,9 kg (P)
13 012 952	81	1	LxWxH 800 x 90 x 90 mm	2,56 kg (P)
13 012 954	81	1	LxWxH 800 x 90 x 90 mm	1,8 kg
13 015	81	1	LxWxH 1100 x 85 x 85 mm	1,8 kg
13 016	81	1	LxWxH 1100 x 85 x 85 mm	2,2 kg (P)
13 017	81	1	LxWxH 1100 x 85 x 85 mm	2,1 kg
13 020	82	1	LxWxH 590 x 100 x 90 mm	1,1 kg (P)
13 028	82	1	LxWxH 590 x 100 x 90 mm	1,15 kg
13 030	82	1	LxWxH 590 x 100 x 90 mm	1,4 kg
13 041	82	1	LxWxH 820 x 155 x 115 mm	3,1 kg
13 042	82	1	LxWxH 820 x 155 x 115 mm	2,8 kg
13 055	82	1	LxWxH 350 x 160 x 120 mm	5,2 kg (P)
13 056	82	1	LxWxH 380 x 360 x 270 mm	6,8 kg (P)
13 064	81	1	LxWxH 395 x 155 x 140 mm	1,712 kg
13 070	81,83	1	500 x 430 x 30 mm	0,7 kg
13 075	82	1	LxWxH 390 x 360 x 150 mm	1,6 kg
13 080	84	1	ØxL 66 x 36 mm	0,165 kg
13 081	82		on request	
13 083	84	1	70 x 70 x 44 mm	0,060 kg
13 088	84	1	80 x 35 x 60 mm	0,02 kg
13 088 950	84	1	80 x 60 x 60 mm	0,05 kg
13 089	82	1	200 x 50 x 30 mm	0,07 kg
13 090	84	1	70 x 38 x 80 mm	0,2 kg
13 091	82	1	Ø 30 mm, L 480 mm	1,02 kg

Article No.	Pages	PU	Dimensions	Weight
13 095	82	1	on request	
13 096	83	1	260 x 120 x 25 mm	0,31 kg
13 099	81	1	55 x 40 x 20 mm	0,14 kg
13 253	82	1	LxWxH 250 x 190 x 220 mm	5,50 kg (P)
13 253 950	82	1	1600 x 150 x 170 mm	8 kg
13 256	82	1	LxWxH 260 x 200 x 200 mm	6,7 kg (P)
13 256 950	82	1	1600 x 190 x 190 mm	6,7 kg (P)
13 259	82	1	LxWxH 320 x 230 x 230 mm (P)	9,7 kg (P)
13 259 950	82	1	1600 x 200 x 200 mm	on request
13 262	82	1	380 x 240 x 240 mm	on request
13 262 950	82	1	1700 x 240 x 240 mm	on request
13 638 799	47		on request	
15 001	67	100	LxWxH 106 x 74 x 47 mm	on request
15 002	67	100	LxWxH 106 x 74 x 47 mm	on request
15 003	67	100	LxWxH 106 x 74 x 47 mm	0,312 kg (P)
15 004	67	100	LxWxH 106 x 74 x 47 mm	0,500 kg (P)
15 005	67	100	LxWxH 106 x 74 x 47 mm	0,575 kg (P)
15 007 001	66	100	LxWxH 106 x 74 x 47 mm	0,536 kg (P)
15 071	66	100	LxWxH 106 x 74 x 47 mm	0,315 kg (P)
15 072	66	100	LxWxH 106 x 74 x 47 mm	0,410 kg (P)
15 073	66	100	LxWxH 106 x 74 x 47 mm	0,585 kg (P)
15 100	68	100	LxWxH 106 x 74 x 47 mm	0,950 kg (P)
15 100 140	67	100	LxWxH 106 x 74 x 47 mm	0,650 kg (P)
15 102	68	100	LxWxH 106 x 74 x 47 mm	0,680 kg (P)
15 103	68	100	LxWxH 106 x 74 x 47 mm	0,680 kg (P)
15 104	68	100	LxWxH 106 x 74 x 47 mm	0,980 kg (P)
15 105	68	100	LxWxH 106 x 74 x 60 mm	1,150 kg (P)
15 107	68	100	LxWxH 106 x 74 x 60 mm	0,950 kg (P)
15 107 140	67	100	LxWxH 106 x 74 x 60 mm	0,742 kg (P)
15 108	67	100	LxWxH 106 x 74 x 47 mm	0,82 kg (P)
15 109	68	100	LxWxH 106 x 74 x 60 mm	0,950 kg (P)
15 109 140	67	100	LxWxH 106 x 74 x 60 mm	0,777 kg (P)
15 110	68	100	LxWxH 106 x 74 x 47 mm	0,950 kg (P)
15 110 140	67	100	LxWxH 106 x 74 x 60 mm	0,700 kg (P)
15 113	68	100	LxWxH 106 x 74 x 60 mm	0,950 kg (P)
15 113 140	67	100	LxWxH 106 x 74 x 60 mm	1,260 kg (P)
15 114	67	100	LxWxH 106 x 74 x 60 mm	0,650 kg (P)
15 115	68	100	LxWxH 106 x 74 x 60 mm	1,150 kg (P)
15 115 140	67	100	LxWxH 106 x 74 x 60 mm	1,260 kg (P)
15 117	67	100	LxWxH 161 x 98 x 65 mm	1,900 kg (P)
15 118	67	100	LxWxH 161 x 98 x 65 mm	1,900 kg (P)
15 126	67	100	LxWxH 106 x 74 x 60 mm	0,650 kg (P)
15 127	67	100	LxWxH 161 x 98 x 65 mm	0,650 kg
15 137	68	100	LxWxH 106 x 74 x 60 mm	1,250 kg (P)
15 137 140	67	100	LxWxH 106 x 74 x 60 mm	1,124 kg (P)
15 138	67	100	LxWxH 161 x 98 x 65 mm	1,74 kg (P)
15 139	67	100	LxWxH 161 x 98 x 65 mm	2,800 kg (P)
15 162	68	100	LxWxH 106 x 74 x 47 mm	0,750 kg (P)
15 162 003	67	100	LxWxH 106 x 74 x 60 mm	0,650 kg (P)
15 162 140	67	100	LxWxH 106 x 74 x 47 mm	0,650 kg (P)
15 163	67	100	LxWxH 106 x 74 x 47 mm	on request
15 164	67	100	LxWxH 106 x 74 x 60 mm	0,650 kg (P)
15 171	68	100	LxWxH 106 x 74 x 47 mm	0,680 kg (P)
15 172	68	100	LxWxH 106 x 74 x 47 mm	0,980 kg (P)
15 173	68	100	LxWxH 106 x 74 x 60 mm	0,950 kg (P)
15 200	69	100	LxWxH 106 x 74 x 60 mm	0,480 kg (P)
15 200 140	69	100	LxWxH 106 x 74 x 47 mm	0,706 kg (P)
15 203	69	100	LxWxH 106 x 74 x 60 mm	0,480 kg (P)
15 204	69	100	LxWxH 106 x 74 x 60 mm	0,480 kg (P)
15 205	69	100	LxWxH 106 x 74 x 60 mm	0,480 kg (P)
15 207	69	100	LxWxH 106 x 74 x 60 mm	0,960 kg (P)
15 207 140	69	100	LxWxH 106 x 74 x 60 mm	0,746 kg (P)

Article No.	Pages	PU	Dimensions	Weight	Article No.	Pages	PU	Dimensions	Weight
15 208	69	100	LxWxH 106 x 74 x 60 mm	0,96 kg (P)	15 907	66	100	LxWxH 106 x 74 x 47 mm	0,270 kg (P)
15 209	69	100	LxWxH 106 x 74 x 60 mm	1,120 kg (P)	15 909	66	100	LxWxH 106 x 74 x 47 mm	0,5 kg (P)
15 209 140	69	100	LxWxH 106 x 74 x 60 mm	0,747 kg (P)	15 910	66	100	LxWxH 106 x 74 x 47 mm	0,5 kg (P)
15 210	69	100	LxWxH 106 x 74 x 60 mm	1,120 kg (P)	15 913	66	100	LxWxH 106 x 74 x 47 mm	0,620 kg (P)
15 210 140	69	100	LxWxH 106 x 74 x 60 mm	0,783 kg (P)	15 915	66	100	LxWxH 106 x 74 x 47 mm	0,62 kg (P)
15 213	69	100	LxWxH 161 x 98 x 65 mm	1,450 kg (P)	15 917	66	100	LxWxH 106 x 74 x 60 mm	0,280 kg (P)
15 213 140	69	100	LxWxH 161 x 98 x 65 mm	1,250 kg (P)	15 918	66	100	LxWxH 106 x 74 x 60 mm	0,280 kg (P)
15 214	69	100	LxWxH 161 x 98 x 65 mm	1,900 kg (P)	15 926	66	100	LxWxH 106 x 74 x 47 mm	0,620 kg (P)
15 215	69	100	LxWxH 161 x 98 x 65 mm	1,450 kg (P)	15 937	66	100	LxWxH 106 x 74 x 47 mm	0,620 kg (P)
15 215 140	69	100	LxWxH 106 x 74 x 60 mm	1,222 kg (P)	15 938	66	100	LxWxH 106 x 74 x 60 mm	0,960 kg (P)
15 217	69	100	LxWxH 161 x 98 x 65 mm	1,850 kg (P)	15 939	66	100	LxWxH 161 x 98 x 65 mm	0,280 kg (P)
15 218	69	100	LxWxH 161 x 98 x 65 mm	2,150 kg (P)	15 940	68	100	LxWxH 106 x 74 x 47 mm	on request
15 226	69	100	LxWxH 106 x 74 x 60 mm	1,100 kg	15 941	68	100	LxWxH 106 x 74 x 47 mm	on request
15 227	69	100	LxWxH 161 x 98 x 65 mm	1,100 kg (P)	15 942	68	100	LxWxH 106 x 74 x 47 mm	on request
15 237	69	100	LxWxH 161 x 98 x 65 mm	1,450 kg (P)	15 943	68	100	LxWxH 106 x 74 x 60 mm	1,020 kg (P)
15 237 140	69	100	LxWxH 106 x 74 x 60 mm	1,150 kg (P)	15 945	68	100	LxWxH 106 x 74 x 60 mm	on request
15 238	69	100	LxWxH 161 x 98 x 65 mm	1,137 kg (P)	15 947	68	100	LxWxH 106 x 74 x 60 mm	on request
15 239	69	50	LxWxH 161 x 98 x 65 mm	1,100 kg (P)	15 949	68	100	LxWxH 161 x 98 x 65 mm	on request
15 262	69	100	LxWxH 106 x 74 x 60 mm	0,988 kg (P)	15 967	69	100	LxWxH 106 x 74 x 47 mm	on request
15 262 140	69	100	LxWxH 106 x 74 x 47 mm	0,680 kg	15 968	69	100	LxWxH 106 x 74 x 47 mm	on request
15 271	69	100	LxWxH 106 x 74 x 60 mm	0,98 kg (P)	15 970	69	100	LxWxH 106 x 74 x 47 mm	on request
15 272	69	100	LxWxH 106 x 74 x 60 mm	0,98 kg (P)	15 973	69	100	LxWxH 106 x 74 x 60 mm	1,110 kg (P)
15 273	69	100	LxWxH 106 x 74 x 60 mm	1,45 kg (P)	15 975	69	100	LxWxH 106 x 74 x 60 mm	on request
15 302	70	100	LxWxH 106 x 74 x 47 mm	0,280 kg (P)	15 976	69	100	LxWxH 106 x 74 x 60 mm	on request
15 303	70	100	LxWxH 106 x 74 x 47 mm	0,280 kg (P)	15 977	69	100	LxWxH 161 x 98 x 65 mm	on request
15 304	70	100	LxWxH 106 x 74 x 47 mm	0,280 kg (P)	16 003	74	25	LxWxH 95 x 60 x 5 mm	0,069 kg
15 307	70	100	LxWxH 106 x 74 x 47 mm	0,280 kg (P)	16 004	74	25	LxWxH 95 x 60 x 7 mm	0,108 kg (P)
15 309	70	100	LxWxH 106 x 74 x 47 mm	0,450 kg (P)	16 007	74	25	LxWxH 135 x 80 x 5 mm	0,070 kg
15 310	70	100	LxWxH 106 x 74 x 47 mm	0,450 kg (P)	16 009	74	25	LxWxH 140 x 80 x 8 mm	0,102 kg
15 313	70	100	LxWxH 106 x 74 x 47 mm	0,450 kg (P)	16 010	74	25	LxWxH 140 x 80 x 8 mm	0,097 kg
15 315	70	100	LxWxH 106 x 74 x 47 mm	0,280 kg (P)	16 013	74	25	LxWxH 135 x 80 x 12 mm	0,137 kg
15 601	70	100	LxWxH 106 x 74 x 47 mm	0,180 kg (P)	16 015	74	25	LxWxH 140 x 80 x 10 mm	0,131 kg
15 602	70	100	LxWxH 106 x 74 x 47 mm	0,180 kg (P)	16 037	74	25	LxWxH 140 x 80 x 8 mm	0,133 kg
15 603	70	100	LxWxH 106 x 74 x 47 mm	0,210 kg (P)	16 038	74	25	LxWxH 140 x 80 x 13 mm	0,224 kg
15 604	70	100	LxWxH 106 x 74 x 47 mm	0,180 kg (P)	16 062	74	25	LxWxH 135 x 80 x 5 mm	0,070 kg
15 605	70	100	LxWxH 106 x 74 x 47 mm	0,180 kg (P)	16 090	35, 75	1	LxWxH 215 x 135 x 40 mm	1,038 kg
15 607	70	100	LxWxH 106 x 74 x 47 mm	0,170 kg (P)	16 092	35, 75	1	LxWxH 175 x 120 x 35 mm	0,560 kg (P)
15 609	70	100	LxWxH 106 x 74 x 47 mm	0,320 kg (P)	16 099	35,75	1	LxWxH 300 x 245 x 55 mm	3,52 kg (P)
15 610	70	100	LxWxH 106 x 74 x 47 mm	0,250 kg (P)	16 100	76	1	LxWxH 68 x 45 x 15 mm	0,05 kg (P)
15 613	70	100	LxWxH 106 x 74 x 47 mm	0,450 kg (P)	16 102	76	1	LxWxH 85 x 51 x 18 mm	0,80 kg (P)
15 615	70	100	LxWxH 106 x 74 x 47 mm	0,450 kg (P)	16 103	74	25	LxWxH 95 x 60 x 15 mm	0,181 kg
15 637	70	100	LxWxH 106 x 74 x 47 mm	0,450 kg (P)	16 104	74	25	LxWxH 140 x 80 x 8 mm	0,165 kg
15 638	70	100	LxWxH 106 x 74 x 60 mm	0,870 kg (P)	16 107	74	25	LxWxH 140 x 80 x 8 mm	0,165 kg
15 639	70	100	LxWxH 161 x 98 x 65 mm	1,150 kg (P)	16 109	74	25	LxWxH 95 x 60 x 15 mm	0,186 kg
15 707	71	100	LxWxH 106 x 74 x 47 mm	on request	16 110	74	25	LxWxH 95 x 60 x 12 mm	0,186 kg
15 709	71	100	LxWxH 106 x 74 x 47 mm	on request	16 113	74	25	LxWxH 100 x 60 x 20 mm	0,280 kg
15 710	71	100	LxWxH 106 x 74 x 47 mm	on request	16 115	74	25	LxWxH 85 x 60 x 20 mm	0,277 kg
15 713	71	100	LxWxH 106 x 74 x 47 mm	on request	16 137	74	25	LxWxH 135 x 80 x 15 mm	0,275 kg
15 715	71	100	LxWxH 106 x 74 x 47 mm	on request	16 138	74	25	LxWxH 125 x 65 x 30 mm	0,425 kg
15 737	71	100	LxWxH 106 x 74 x 47 mm	on request	16 203	74	25	LxWxH 95 x 60 x 20 mm	0,235 kg
15 738	71	100	LxWxH 106 x 74 x 60 mm	on request	16 204	74	25	LxWxH 140 x 80 x 12 mm	0,228 kg
15 739	71	100	LxWxH 161 x 98 x 65 mm	on request	16 207	74	25	LxWxH 140 x 80 x 12 mm	0,228 kg
15 807	71	100	LxWxH 106 x 74 x 47 mm	on request	16 209	74	25	LxWxH 95 x 60 x 20 mm	0,240 kg
15 809	71	100	LxWxH 106 x 74 x 47 mm	on request	16 211	74	25	LxWxH 100 x 60 x 20 mm	0,240 kg
15 810	71	100	LxWxH 106 x 74 x 47 mm	on request	16 213	74	25	LxWxH 140 x 80 x 20 mm	0,351 kg
15 813	71	100	LxWxH 106 x 74 x 60 mm	on request	16 215	74	25	LxWxH 140 x 80 x 20 mm	0,351 kg
15 815	71	100	LxWxH 106 x 74 x 60 mm	on request	16 237	74	25	LxWxH 140 x 80 x 20 mm	0,348 kg
15 837	71	100	LxWxH 106 x 74 x 47 mm	on request	16 238	74	25	LxWxH 140 x 80 x 20 mm	0,348 kg
15 838	71	100	LxWxH 106 x 74 x 60 mm	on request	16 400	34,75	10	LxWxH 280 x 120 x 55 mm	0,350 kg
15 839	71	100	LxWxH 161 x 98 x 65 mm	on request	16 402	34,75	10	LxWxH 280 x 120 x 55 mm	0,510 kg
15 902	67	100	LxWxH 106 x 74 x 47 mm	on request	16 403	34,75	10	LxWxH 280 x 120 x 55 mm	0,450 kg
15 903	67	100	LxWxH 106 x 74 x 47 mm	on request	16 404	34,75	10	LxWxH 280 x 120 x 55 mm	0,630 kg
15 906	66	100	LxWxH 106 x 74 x 47 mm	0,003 kg	16 405	34,75	10	LxWxH 280 x 120 x 55 mm	0,630 kg

Article No.	Pages	PU	Dimensions	Weight	Article No.	Pages	PU	Dimensions	Weight
16 409	34,75	10	LxWxH 280 x 120 x 55 mm	0,630 kg	17 195	64	1	ØxH 220 x 30 mm	0,650 kg
16 430	34,75	10	LxWxH 280 x 120 x 55 mm	0,370 kg	17 196	83	1	340 x 210 x 55 mm	0,56 kg
16 432	34,75	10	LxWxH 280 x 120 x 55 mm	0,390 kg	17 197	64, 83	1	LxWxH 250 x 210 x 55 mm	0,550 kg
16 433	34,75	10	LxWxH 280 x 120 x 55 mm	0,390 kg	17 198	64	1	ØxH 480 x 80 mm	1,663 kg
16 434	34,75	10	LxWxH 280 x 120 x 55 mm	0,620 kg	17 199	64	1	LxWxH 350 x 300 x 55 mm	0,600 kg (P)
16 435	34,75	10	LxWxH 280 x 120 x 55 mm	0,620 kg	17 230	64	1	ØxH 245 x 30 mm	0,800 kg
16 439	34,75	10	LxWxH 280 x 120 x 55 mm	0,620 kg	17 265	64	1	ØxH 275 x 30 mm	1,080 kg
16 460	34, 75	10	LxWxH 280 x 120 x 55 mm	0,370 kg	17 275	64	1	ØxH 275 x 30 mm	1,070 kg
16 462	34, 75	10	LxWxH 280 x 120 x 55 mm	0,400 kg	17 285	64	1	ØxH 295 x 30 mm	1,340 kg
16 463	34, 75	10	LxWxH 280 x 120 x 55 mm	0,400 kg	17 300	64	1	ØxH 315 x 30 mm	1,270 kg
16 464	34, 75	10	LxWxH 280 x 120 x 55 mm	0,620 kg	17 320	64	1	ØxH 340 x 30 mm	1,640 kg
16 465	34, 75	10	LxWxH 280 x 120 x 55 mm	0,620 kg	17 325	64	1	ØxH 365 x 30 mm	1,360 kg
16 469	34, 75	10	LxWxH 280 x 120 x 55 mm	0,620 kg	17 380	64	1	ØxH 390 x 30 mm	2,000 kg
16 476	34, 75	10	on request		17 400	64	1	ØxH 410 x 30 mm	2,030 kg
16 478	34, 75	10	on request		17 600	62	1	LxWxH 280 x 140 x 44 mm	0,617 kg
16 480	34, 75	10	on request		17 601	62	1	ØxL 26 x 60 mm	0,092 kg
16 482	34, 75	10	on request		17 605	62	1	LxWxH 670 x 420 x 100 mm	4,1 kg
16 809	34, 74	25	LxWxH 140 x 80 x 20 mm	0,224 kg	17 610	62	1	LxWxH 670 x 420 x 100 mm	4,9 kg
16 813	34, 74	25	LxWxH 140 x 80 x 20 mm	0,224 kg	17 615	62	1	LxWxH 670 x 420 x 100 mm	5,3 kg
16 837	34, 74	25	LxWxH 140 x 80 x 20 mm	0,224 kg	17 618	62	1	LxWxH 670 x 420 x 100 mm	5,5 kg
17 000	64, 84	1	800 x 35 x 35 mm	0,160 kg	17 620	62	1	LxWxH 670 x 420 x 100 mm	5,5 kg
17 003	61, 62, 83	1	Ø 20 mm, L 1500 mm	0,37 kg	17 625	62	1	LxWxH 800 x 480 x 100 mm	6,7 kg
17 003 001	61, 62, 83	1	Ø 20 mm, L 2000 mm	0,49 kg	17 632	62	1	LxWxH 800 x 480 x 100 mm	6,8 kg
17 004	64	1	200 x 350 x 1004 mm	3,940 kg	17 660	62	1	LxWxH 800 x 480 x 100 mm	7,8 kg
17 008	64, 84	1	LxWxH 550 x 500 x 1000 mm	9,00 kg (P)	17 693 698	63	1	LxWxH 670 x 420 x 100 mm	4,9 kg
17 008 950	84	1	LxWxH 570 x 530 x 200 mm	7,800 kg	17 694	63	1	LxWxH 670 x 420 x 100 mm	5,8 kg
17 009	84	1	LxWxH 870 x 610 x 1000 mm	35,5 kg	17 694 950	63	1	LxWxH 670 x 420 x 100 mm	5,8 kg
17 009 950	84	1	LxWxH 760 x 750 x 1050 mm	17 kg	17 781	64,84	1	LxWxH 500 x 190 x 560 mm	10,3 kg
17 012	61	1	LxWxH 670 x 420 x 100 mm	4,8 kg	17 786	63	2	LxWxH 500 x 190 x 560 mm	10,3 kg
17 012 950	61	1	LxWxH 670 x 420 x 100 mm	4,8 kg	17 788	63	2	LxWxH 530 x 230 x 560 mm	12,1 kg
17 012 952	61	1	LxWxH 670 x 420 x 100 mm	5 kg	17 790	84	1	LxWxH 600 x 500 x 270 mm	15,5 kg
17 014	61	1	LxWxH 800 x 420 x 100 mm	6,3 kg	17 791	63	2	LxWxH 570 x 250 x 560 mm	14,2 kg
17 014 950	61	1	LxWxH 800 x 420 x 100 mm	5,9 kg	17 792	64	2	LxWxH 690 x 580 x 260 mm	15 kg (P)
17 014 954	61	1	LxWxH 800 x 420 x 100 mm	6,4 kg	17 793	64,64	1	LxWxH 380 x 360 x 700 mm	11,9 kg
17 015	60	1	on request	1,34 kg	17 805	60	1	LxWxH 670 x 420 x 100 mm	3,8 kg
17 016	83	1	LxWxH 600 x 100 x 90 mm	2 kg	17 810	60	1	LxWxH 670 x 420 x 100 mm	3,9 kg
17 018	83	1	LxWxH 670 x 420 x 100 mm	4,3 kg (P)	17 815	60	1	LxWxH 670 x 420 x 100 mm	4,3 kg
17 018 010	83	1	LxWxH 670 x 420 x 100 mm	4,4 kg (P)	17 817	60	1	LxWxH 670 x 420 x 100 mm	4,5 kg
17 019	83	1	LxWxH 675 x 420 x 100 mm	3,4 kg	17 818	60	1	LxWxH 670 x 420 x 100 mm	4,8 kg
17 019 950	83	1	LxWxH 675 x 420 x 100 mm	3,1 kg	17 820	60	1	LxWxH 670 x 420 x 100 mm	4,8 kg
17 020	55	1	LxWxH 320 x 130 x 57 mm	1,3 kg	17 825	60	1	LxWxH 670 x 420 x 100 mm	5,4 kg
17 020 125	55	1	LxWxH 320 x 130 x 57 mm	1,3 kg	17 825 950	60	1	LxWxH 670 x 420 x 100 mm	5,2 kg
17 021	64, 84	1	LxWxH 560 x 515 x 175 mm	6,200 kg	17 850	60	1	LxWxH 670 x 420 x 100 mm	6,5 kg
17 023	55	1	LxWxH 375 x 320 x 65 mm	3,50 kg (P)	18 070	50	1	LxWxH 545 x 430 x 105 mm	7,7 kg
17 023 125	55	1	LxWxH 375 x 320 x 65 mm	2,95 kg	18 066	46	1	LxWxH 530 x 170 x 75 mm	2,45 kg
17 024	83	1	LxWxH 800 x 480 x 100 mm	3,4 kg (P)	18 066 125	46	1	LxWxH 530 x 170 x 75 mm	2,45 kg
17 024 950	83	1	LxWxH 800 x 480 x 300 mm	10,1 kg	18 071	50	1	LxWxH 402 x 171 x 84 mm	2,93 kg (P)
17 026	84	1	LxWxH 820 x 140 x 120 mm	2,1 kg (P)	18 072	50	1	LxWxH 402 x 171 x 84 mm	2,1 kg
17 028	84	1	LxWxH 820 x 480 x 300 mm	8,6 kg	18 073	50	1	LxWxH 400 x 170 x 75 mm	2,2 kg (P)
17 034	61	1	LxWxH 670 x 420 x 100 mm	4,3 kg	18 073 125	50	1	LxWxH 400 x 170 x 75 mm	2,2 kg (P)
17 036	61	1	LxWxH 670 x 420 x 100 mm	4,4 kg	18 074	50	1	LxWxH 402 x 171 x 84 mm	2,55 kg
17 037	61	1	LxWxH 670 x 420 x 100 mm	4,9 kg	18 077	50	1	LxWxH 400 x 170 x 75 mm	2,31 kg (P)
17 038	61	1	LxWxH 800 x 420 x 100 mm	7,3 kg	19 519	84	1	ØxL 85 x 45 mm	0,171 kg
17 044	61	1	ØxL 19 x 38,4 mm	0,039 kg	19 526	84	1	80 x 65 x 37 mm	0,162 kg
17 044 950	61	1	LxWxH 45 x 40 x 20 mm	0,086 kg	19 527	84	1	ØxL 80 x 65 x 35 mm	0,147 kg
17 045	61	1	215 x 80 x 20 mm	0,120 kg	19 528	84	1	ØxL 80 x 65 x 36 mm	0,175 kg
17 171	64	1	ØxH 280 x 55 mm	0,850 kg	19 529	84	1	105 x 85 x 45 mm	0,260 kg
17 172	64	1	ØxH 310 x 55 mm	1,250 kg	19 768	15	1	350 x 350 x 900 mm	0,260 kg
17 176	64	1	ØxH 365 x 65 mm	1,430 kg	19 789	15	1	on request	
17 184	64	1	ØxH 430 x 88 mm	1,380 kg	21 030	26	4	LxWxH 420 x 320 x 480 mm	3,8 kg
17 190	83	1	on request	0,254 kg	21 050	26	5	LxWxH 610 x 320 x 240 mm	10,8 kg
17 191	83	1	340 x 210 x 55 mm	0,56 kg	21 055	26	5	LxWxH 835 x 285 x 355 mm	15 kg
17 194	64	1	ØxH 415 x 80 mm	1,21 kg (P)	21 060 950	26	4	LxWxH 670 x 360 x 480 mm	18,3 kg

Article No.	Pages	PU	Dimensions	Weight
21 070	26	1	LxWxH 120 × 65 × 290 mm	0,45 kg
21 080	26	1	LxWxH 120 × 65 × 380 mm	0,37 kg
21 086	26	1	on request	
21 088	27	1	LxWxH 65 × 46 × 69 mm	0,022 kg
21 089	27	1	ØxL 67 × 300 mm	0,094 kg
21 090	26	1	LxWxH 650 × 200 × 320 mm	0,6 kg
21 127	26	1	LxWxH 350 × 175 × 480 mm	1,45 kg
21 131	26	1	LxWxH 331 × 185 × 237 mm	0,64 kg
21 133	26	1	LxWxH 329 × 195 × 319 mm	0,82 kg
21 137	26	1	LxWxH 385 × 229 × 410 mm	1,27 kg
21 141	27	1	LxWxH 329 × 152 × 251 mm	0,42 kg
21 143	27	1	LxWxH 329 × 172 × 341 mm	0,57 kg
21 147	27	1	LxWxH 381 × 201 × 433 mm	0,95 kg
21 151	27	1	LxWxH 330 × 150 × 251 mm	0,44 kg
21 153	27	1	LxWxH 330 × 171 × 342 mm	0,56 kg
21 157	27	1	LxWxH 383 × 203 × 431 mm	0,97 kg
21 163	27	1	LxWxH 348 × 174 × 319 mm	0,55 kg
21 163 952	27	1	LxWxH 348 × 174 × 319 mm	0,603 kg
21 165	27	1	LxWxH 352 × 175 × 418 mm	0,82 kg
21 165 952	27	1	LxWxH 352 × 175 × 418 mm	0,864 kg
21 167	27	1	LxWxH 416 × 203 × 408 mm	0,94 kg
21 167 952	27	1	LxWxH 416 × 203 × 408 mm	0,988 kg
21 169	27	1	LxWxH 415 × 248 × 537 mm	1,28 kg
21 173	27	1	LxWxH 320 × 165 × 340 mm	0,557 kg
21 175	27	1	LxWxH 350 × 180 × 380 mm	0,829 kg
21 177	27	1	LxWxH 350 × 180 × 480 mm	0,958 kg
21 183	27	1	LxWxH 353 × 167 × 361 mm	0,596 kg
21 185	27	1	LxWxH 387 × 184 × 405 mm	0,856 kg
21 187	27	1	LxWxH 388 × 182 × 508 mm	0,996 kg
21 193	27	1	LxWxH 322 × 165 × 364 mm	0,594 kg
21 195	27	1	LxWxH 356 × 183 × 405 mm	0,854 kg
21 197	27	1	LxWxH 357 × 183 × 506 mm	0,994 kg
24 110	35	5	LxWxH 350x350x260 mm	1,60 kg (P)
24 115	35	1	LxWxH 500 × 300 × 130 mm	1,090 kg
27 832	84	1	LxWxH 560 × 600 × 1200 mm	on request
33 101	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 102	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 106	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 111	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 118	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 121	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 122	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 123	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 124	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 129	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 141	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 142	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 143	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 144	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 146	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 149	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 151	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 158	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 162	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 163	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 164	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 166	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 169	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 178	90	20	LxWxH 360 × 300 × 105 mm	6,7 kg
33 200 001	87	10	LxWxH 180 × 430 × 153 mm	3,1 kg
33 200 002	87	10	LxWxH 180 × 430 × 153 mm	3,1 kg
33 200 003	87	10	LxWxH 180 × 430 × 153 mm	3,1 kg
33 200 004	87	10	LxWxH 180 × 430 × 153 mm	3,1 kg

Article No.	Pages	PU	Dimensions	Weight
33 200 005	87	10	LxWxH 180 × 430 × 153 mm	3,1 kg
33 200 006	87	10	LxWxH 180 × 430 × 153 mm	3,1 kg
33 200 007	87	10	LxWxH 180 × 430 × 153 mm	3,1 kg
33 201 001	87	10	LxWxH 180 × 430 × 153 mm	3,6 kg
33 201 002	87	10	LxWxH 180 × 430 × 153 mm	3,6 kg
33 201 003	87	10	LxWxH 180 × 430 × 153 mm	3,6 kg
33 201 004	87	10	LxWxH 180 × 430 × 153 mm	3,6 kg
33 201 005	87	10	LxWxH 180 × 430 × 153 mm	3,6 kg
33 201 006	87	10	LxWxH 180 × 430 × 153 mm	3,6 kg
33 201 007	87	10	LxWxH 180 × 430 × 153 mm	3,6 kg
33 202 001	87	10	LxWxH 180 × 430 × 198 mm	5,1 kg
33 202 002	87	10	LxWxH 180 × 430 × 198 mm	5,1 kg
33 202 003	87	10	LxWxH 180 × 430 × 198 mm	5,1 kg
33 202 004	87	10	LxWxH 180 × 430 × 198 mm	5,1 kg
33 202 005	87	10	LxWxH 180 × 430 × 198 mm	5,1 kg
33 202 006	87	10	LxWxH 180 × 430 × 198 mm	5,1 kg
33 202 007	87	10	LxWxH 180 × 430 × 198 mm	5,1 kg
55 062	66	50	LxWxH 106 × 74 × 60 mm	kg (P)
55 707	73	50	LxWxH 106 × 74 × 47 mm	1,34 kg (P)
55 709	73	50	LxWxH 106 × 74 × 47 mm	1,34 kg (P)
55 710	73	50	LxWxH 106 × 74 × 47 mm	1,34 kg (P)
55 713	73	50	LxWxH 106 × 74 × 47 mm	0,68 kg (P)
55 715	73	50	LxWxH 106 × 74 × 47 mm	0,68 kg (P)
55 716	73	50	LxWxH 106 × 74 × 47 mm	0,76 kg (P)
55 717	73	50	LxWxH 106 × 74 × 47 mm	1,34 kg (P)
55 718	73	50	LxWxH 106 × 74 × 47 mm	0,76 kg (P)
55 721	73	50	LxWxH 106 × 74 × 60 mm	0,76 kg (P)
55 722	73	50	LxWxH 106 × 74 × 60 mm	0,76 kg (P)
55 737	73	50	LxWxH 106 × 74 × 60 mm	0,76 kg (P)
55 738	73	50	LxWxH 106 × 74 × 47 mm	0,92 kg (P)
55 739	73	50	LxWxH 106 × 74 × 47 mm	1,34 kg (P)
55 807	73	50	LxWxH 106 × 74 × 47 mm	1,300 kg (P)
55 809	73	50	LxWxH 106 × 74 × 47 mm	1,360 kg (P)
55 810	73	50	LxWxH 106 × 74 × 47 mm	1,320 kg (P)
55 813	73	50	LxWxH 106 × 74 × 47 mm	0,705 kg (P)
55 815	73	50	LxWxH 106 × 74 × 60 mm	0,700 kg (P)
55 817	73	50	LxWxH 106 × 74 × 60 mm	0,76 kg (P)
55 837	73	50	LxWxH 106 × 74 × 47 mm	0,700 kg (P)
55 838	73	50	LxWxH 106 × 74 × 60 mm	0,885 kg (P)
55 907	72	50	LxWxH 106 × 74 × 47 mm	1,300 kg (P)
55 909	72	50	LxWxH 106 × 74 × 47 mm	1,300 kg (P)
55 910	72	50	LxWxH 106 × 74 × 47 mm	1,300 kg (P)
55 913	72	50	LxWxH 106 × 74 × 47 mm	1,300 kg (P)
55 915	72	50	LxWxH 106 × 74 × 47 mm	1,300 kg (P)
55 918	72	50	LxWxH 106 × 74 × 47 mm	1,300 kg (P)
55 937	72	50	LxWxH 106 × 74 × 60 mm	1,300 kg (P)
55 938	72	50	LxWxH 106 × 74 × 60 mm	1,300 kg (P)
56 307	70	100	LxWxH 106 × 74 × 47 mm	0,180 kg (P)
56 309	70	100	LxWxH 106 × 74 × 47 mm	0,180 kg (P)
56 310	70	100	LxWxH 106 × 74 × 47 mm	0,180 kg (P)
56 313	70	100	LxWxH 106 × 74 × 47 mm	0,180 kg (P)
56 315	70	100	LxWxH 106 × 74 × 47 mm	0,180 kg (P)
56 337	70	100	LxWxH 106 × 74 × 47 mm	0,180 kg (P)
56 338	70	100	LxWxH 106 × 74 × 60 mm	0,180 kg (P)
56 501	70	100	LxWxH 106 × 74 × 60 mm	0,180 kg (P)
56 502	70	100	LxWxH 106 × 74 × 47 mm	0,180 kg (P)
56 503	70	100	LxWxH 106 × 74 × 47 mm	0,180 kg (P)
56 504	70	100	LxWxH 106 × 74 × 47 mm	0,180 kg (P)
56 505	70	100	LxWxH 106 × 74 × 47 mm	0,180 kg (P)
56 506	70	100	LxWxH 106 × 74 × 47 mm	0,180 kg (P)
56 707	71	100	LxWxH 106 × 74 × 47 mm	on request
56 709	71	100	LxWxH 106 × 74 × 47 mm	0,180 kg (P)
56 710	71	100	LxWxH 106 × 74 × 47 mm	0,180 kg (P)

Article No.	Pages	PU	Dimensions	Weight	Article No.	Pages	PU	Dimensions	Weight
56 713	71	100	LxWxH 106 x 74 x 47 mm	0,180 kg (P)	60 638	91	1	Ø 57 mm, L 55 mm	0,115 kg
56 715	71	100	LxWxH 106 x 74 x 47 mm	0,180 kg (P)	60 739	91	1	Ø 66 mm, L 62 mm	0,17 kg
56 737	71	100	LxWxH 106 x 74 x 60 mm	0,180 kg (P)	63 732	91	1	Ø 17 mm, L 26 mm	0,024 kg
56 738	71	100	LxWxH 106 x 74 x 60 mm	0,180 kg (P)	63 736	91	1	Ø 17 mm, L 20 mm	0,017 kg
56 907	71	100	LxWxH 106 x 74 x 47 mm	on request	63 737	91	1	Ø 17 mm, L 20 mm	0,017 kg
56 909	71	100	LxWxH 106 x 74 x 47 mm	on request	63 738	91	1	Ø 17 mm, L 22 mm	0,018 kg
56 910	71	100	LxWxH 106 x 74 x 47 mm	on request	63 739	91	1	Ø 17 mm, L 22 mm	0,02 kg
56 913	71	100	LxWxH 106 x 74 x 47 mm	on request	63 740	91	1	Ø 17 mm, L 22 mm	0,02 kg
56 915	71	100	LxWxH 106 x 74 x 47 mm	on request	63 743	91	1	Ø 19 mm, L 22 mm	0,03 kg
56 937	71	100	LxWxH 106 x 74 x 60 mm	on request	63 750	91	1	47 x 21 x 21 mm	0,035 kg
56 938	71	100	LxWxH 106 x 74 x 60 mm	on request	63 763	91	1	Ø 17 mm, L 32 mm	0,032 kg
57 522	72	50	LxWxH 161 x 98 x 65 mm	3,100 kg (P)	63 772	91	1	Ø 17 mm, L 22 mm	0,021 kg
57 523	72	50	LxWxH 161 x 98 x 65 mm	3,100 kg (P)	63 773	91	1	Ø 14 mm, L 30 mm	0,016 kg
57 538	72	50	LxWxH 161 x 98 x 65 mm	1,750 kg (P)	63 789	91	1	Ø 17 mm, L 25 mm	0,021 kg
57 539	72	50	LxWxH 161 x 98 x 65 mm	1,420 kg (P)	63 905	76	100	LxWxH 160 x 100 x 65 mm	0,095 kg
57 607	72	50	LxWxH 106 x 74 x 47 mm	1,500 kg (P)	63 906	76	100	LxWxH 160 x 100 x 65 mm	0,095 kg
57 609	72	50	LxWxH 106 x 74 x 47 mm	1,500 kg (P)	63 950	91	1	40 x 24 x 40 mm	0,09 kg
57 610	72	50	LxWxH 106 x 74 x 47 mm	1,500 kg (P)	63 954	91	1	Ø 17 mm, L 31 mm	0,036 kg
57 613	72	50	LxWxH 106 x 74 x 60 mm	1,500 kg (P)	63 955	91	1	55 x 30 x 50 mm	0,046 kg
57 637	72	50	LxWxH 106 x 74 x 47 mm	1,500 kg (P)	63 956	91	1	70 x 23 x 87 mm	0,033 kg
57 807	72	50	LxWxH 106 x 74 x 60 mm	1,500 kg (P)	63 957	91	1	70 x 30 x 70 mm	0,017 kg
57 809	72	50	LxWxH 106 x 74 x 60 mm	1,500 kg (P)	73 005	35	1	255 x 185 x 50 mm	1,27 kg
57 810	72	50	LxWxH 106 x 74 x 60 mm	1,500 kg (P)	73 077	35	1	on request	0,325 kg
57 813	72	50	LxWxH 106 x 74 x 60 mm	0,800 kg (P)	73 080	35	1	on request	0,38 kg
57 815	72	50	LxWxH 106 x 74 x 60 mm	0,800 kg (P)	73 089	35	1	on request	0,57 kg
57 817	72	50	LxWxH 106 x 74 x 60 mm	0,800 kg (P)	75 038	91	1	Ø 19 mm, L 15 mm	0,006 kg
57 818	72	50	LxWxH 106 x 74 x 60 mm	1,500 kg (P)	75 039	91	1	Ø 24 mm, L 16 mm	0,008 kg
57 823	72	50	LxWxH 106 x 74 x 60 mm	1,500 kg (P)	75 040	91	1	Ø 29 mm, L 16 mm	0,011 kg
57 837	72	50	LxWxH 106 x 74 x 60 mm	0,800 kg (P)	75 041	91	1	Ø 34 mm, L 20 mm	0,019 kg
57 838	72	50	LxWxH 106 x 74 x 60 mm	0,910 kg (P)	75 042	91	1	Ø 44 mm, L 23 mm	0,035 kg
57 907	73	50	LxWxH 106 x 74 x 60 mm	1,500 kg (P)	75 043	91	1	Ø 54 mm, L 23 mm	0,047 kg
57 910	73	50	LxWxH 106 x 74 x 60 mm	1,500 kg (P)	75 044	91	1	Ø 59 mm, L 24 mm	0,057 kg
57 913	73	50	LxWxH 106 x 74 x 60 mm	1,500 kg (P)	75 045	91	1	Ø 70 mm, L 20 mm	0,088 kg
57 915	73	50	LxWxH 106 x 74 x 60 mm	1,500 kg (P)	82 248	22	1	LxWxH 150 x 140 x 18 mm	0,012 kg
57 918	73	50	LxWxH 106 x 74 x 60 mm	1,500 kg (P)	82 249	22	1	LxWxH 150 x 140 x 18 mm	0,014 kg
57 937	73	50	LxWxH 106 x 74 x 60 mm	1,500 kg (P)	82 250	22	1	LxWxH 150 x 140 x 18 mm	0,018 kg
60 137	91	1	Ø 17 mm, L 33 mm	0,016 kg	82 251	22	1	LxWxH 160 x 140 x 18 mm	0,021 kg
60 238	91	1	Ø 23 mm, L 43 mm	0,03 kg	82 252	22	1	LxWxH 190 x 140 x 18 mm	0,024 kg
60 338	91	1	Ø 31 mm, L 45 mm	0,041 kg	88 117	27	1	ØxL 39 x 29,5 x 2 mm	on request
60 438	91	1	Ø 37 mm, L 47 mm	0,055 kg	99 826 450	26	1	LxWxH 60 x 50 x mm	0,007 kg
60 538	91	1	Ø 49 mm, L 53 mm	0,084 kg	99 826 451	26	1	LxWxH 55 x 50 x mm	0,01 kg

(P) = with packaging

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soldatenko@pskk.ru

Sweden *A/D

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Fax +46 322 606532
luna@luna.se

Switzerland

various distributors

Slovakia *D/GE

Homola s.r.o.
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Merkur, d.d.
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SLO - 4202 Naklo
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Fax +386 42 588423
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C/ Bisbe Palau, 25 Baixos
E - 43800 Valls
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Fax +34 977 088 006
info@techno-nydegger.com

Czech Republic *D

Somax Plus spol. s.r.o.
Na Travniku 20
CZ - 32100 Plzen - Litice
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somax@iol.cz

Turkey *A

Universal Trading Co., Ltd.
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TR - Istanbul Okmeydani
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Fax +90 212 2211045
mrusso@universal-tr.com

Turkey *GE

ODAK MAKINE SANAYI VE TICARET
Turgut Reis Mah.
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Wosduchoflotskij pr. 58
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United-Kingdom *D

Smith Francis Tools Ltd
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Hungary *D

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Hungary *GE

FTS Szervitechnika Kft.
Küszhegyi útca 11/1
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P.O. Box 215 26
CY - 1510 Nicosia
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Fax +357 2 26608-27
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*A Agencies

*D Main Distributors

*GE PRESSOL TEAM Garage
Equipment

Agencies Overseas

AFRICA

Egypt *D

Union Engineering for Industrial Instruments
6, Sheikh Mohamed Shalaby street
P.O. Box 1915
Alexandria - Egypt
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binefr@menara.ma

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AMERICA

Brazil *D

Bremen Importadora de Equip.
Para Lubrificacao Ltda.
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Chile *A

B.F.B. Representaciones Ferreteras S.A.
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tel. +56 2 58084-46
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Chile *D

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Chile *GE

Polietilenos Bioplastic Chile
Limitada
Camino Santa Sofia S/N
Parcela 1, Calera de tango
Casilla 77 los Cerrillas
562 Santiago
Tel: +56 562 71 55 200
cemm@rotoplastic.cl

Guatemala *D

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Boulevard Liberacion 2-29
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import@lewonski.com

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Col Ampliación Granada
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11529 Mexico D.F.
tel. +52 55 11012-300
Fax +52 55 11012-323
gimbel@gimbel.com.mx

Peru *A/D

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**Belize, Bolivia, Costa Rica,
Ecuador, El Salvador, Guyana,
Honduras, Caribbean, Columbia,
Cuba, Nicaragua, Panama,
Paraguay, Surinam, Uruguay,
Venezuela**

various distributors

Cocaco Trading GmbH
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Louis Delius GmbH & Co.
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Fax +49 211 169 763 11
anne.cohaupt@eweco.de

Korff & Honsberg
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42853 Remscheid
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ASIA

**Bahrain, Jemen, Qatar, Kuwait,
Oman, Saudi Arabia, United
Arab Emirates / U.A.E. *A**

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**China, Hong Kong, Indonesia,
Malaysia, Philippines, Singa-
pore, South Korea, Taiwan *A**

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Thailand *A

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AUSTRALIA / NEW ZEALAND

Australia *A/D

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tel. +61 2 9417 6968
tel. +61 2 9417 6967
shordern@hordernandco.com.au

New Zealand

various distributors

*A Agencies
*D Main Distributors
*GE PRESSOL TEAM Garage
Equipment

Certificate

Standard **ISO 9001:2008**

Certificate Registr. No. 01 100 020409

TÜV Rheinland Cert GmbH certifies:

Certificate Holder:



Pressol Schmiergeräte GmbH
Am Gansacker 10c
D - 79224 Umkirch

Scope:

Development, production and sales of pumps and lubrication equipment for workshops

An audit was performed, Report No. 020409. Proof has been furnished that the requirements according to ISO 9001:2008 are fulfilled.
The due date for all future audits is 30-09 (dd.mm).

Validity:

The certificate is valid from 2011-10-13 until 2014-09-30.
First certification 2004

2012-12-06

S. Jybe

TÜV Rheinland Cert GmbH
Am Grauen Stein - 51105 Köln



DGA-ZM-58-95-00

www.tuv.com



Precisely Right.

Annex to certificate

Certificate Registr. No. 01 100 020409

Standard **ISO 9001:2008**

Location:

Pressol Schmiergeräte GmbH

Parkstraße 7
D - 93167 Falkenstein

Certificate Registr. No.: 01 100 020409/04

Location:

Pressol Tschechien s.r.o.

Hradčanská 271
CZ - 33601 Blovice

Certificate Registr. No.: 01 100 020409/05

Location:

Pressol Tschechien s.r.o.

Bor Logistikzentrum
CT Park Bor

Nová Hospoda 20
CZ - 34802 Bor u Tachova

Certificate Registr. No.: 01 100 020409/07

Location:

Nydegger S.A.S

Am Gansacker 10c
D-79224 Umkirch

Certificate Registr. No.: 01 100 020409/08

2012-12-06

S. Jybe

TÜV Rheinland Cert GmbH
Am Grauen Stein - 51105 Köln



DGA-ZM-58-95-00

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Our company is ISO certified.

Certificate

Standard **ISO 14001:2004**

Certificate Registr. No. 01 104 042056

TÜV Rheinland Cert GmbH certifies:

Certificate Holder:



Pressol Schmiergeräte GmbH
Parkstr. 7 • D - 93167 Falkenstein

including the location

Pressol Tschechien s.r.o.
CT Park Bor • Nová Hospoda 20
CZ - 34802 Bor u Tachova

Scope:

Development, production and sales of pumps and lubrication equipment for workshops

An audit was performed, Report No. 042056. Proof has been furnished that the requirements according to ISO 14001:2004 are fulfilled.

The due date for all future audits is 30-09 (dd.mm).

Validity:

The certificate is valid from 2011-10-13 until 2014-09-30.
First certification 2004

2011-10-24

P. Schöpp

TÜV Rheinland Cert GmbH
Am Grauen Stein - 51105 Köln



DGA-ZM-58-95-60

www.tuv.com



Precisely Right.

ORDERS

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Info@pressol.com • www.pressol.com
ILN 41 03810 00000 3 • USt.-IdNr.: DE 133533558

WAREHOUSE

PRESSOL Czech Republic s.r.o.

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Czech Republic

CLAIMS / SERVICE

PRESSOL Schmiergeräte GmbH

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