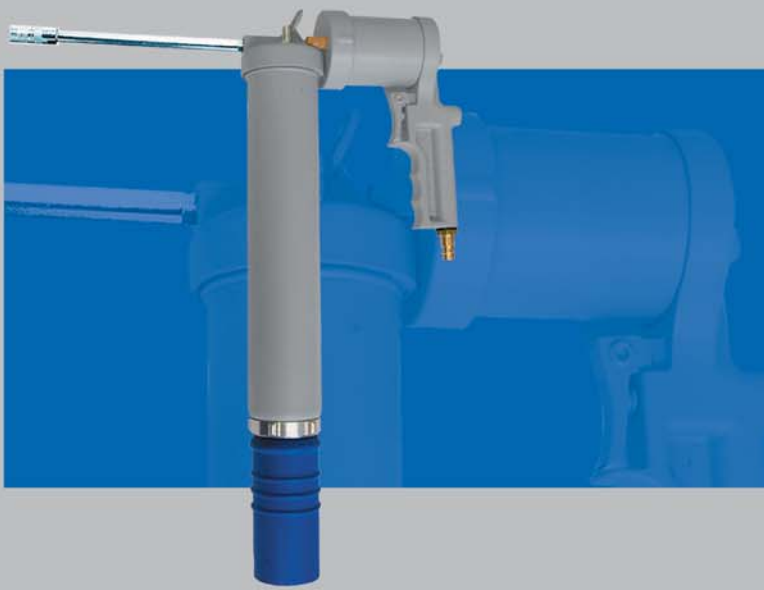
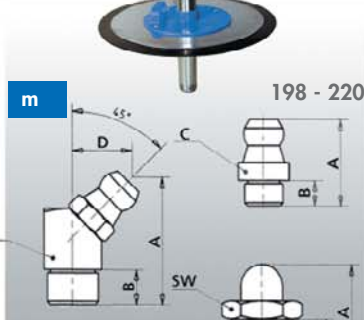
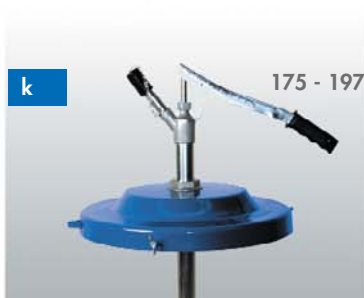


Lubrication equipment



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PRODUCTS



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List of abbreviations

LIST OF ABBREVIATIONS-LUBRICATION EQUIPMENT

aouter (male)
ABM	.....dimensions
AD	.....outside diameter, in millimetres
ALH	.....barrel tap
BA	.....jaws
BHHP	.....lever operated gun for concrete works
BS	.....container fixing bracket
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
DIN	.....German Standards Institute
DLFP	.....Compressed air 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	.....blow-in nipple
EWKP	.....single-acting plastic pump
EWMP	.....single-acting brass pump
EWZP	.....single-acting zinc die casted
FA	.....flat design
FLA	.....flexible outlet
FLMA	.....flexible metal outlet
FS	.....female drum adapter
G	.....Whitworth Pipe Thread, cylindrical ISO 228 (DIN 259)
GDE	.....container
GS	.....tested security
H1	.....hydraulic grease nipple, 180°, straight
H1a	.....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°
H3a	.....tapered lubricating nipple, 90°, (blow-in nipple)
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 (female)
ILN	.....international location number
ISO VG	.....International Organization for Standardization
K1	.....ball grease nipple, 180°, straight
KK	.....plastic canister
KØ	.....diameter of head
LGA	.....Bavarian Trade Supervision, Nuremberg
LWH	.....length x width x height, in millimetres
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
MU	.....spout
NEF	.....not capable of calibration

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, sealing pressure-resistant tapered pipe thread
ÖDT	oil can funnel
PTF	Pipe Taper Fuel and Oil / sealing pressure-resistant tapered pipe thread
R	Whitworth thread, tapered, similar to DIN 3858
RST	special description for high steel quality
S	thickness
SAE	division of viscosity classes for automotive lubricants by Society of Automotive Engineers
SB	self service
SF	mounting area for wrenches
SFG	key width
SK	hexagon
SKK	hexagonal head
SRL	suction pipe length, following figures 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
VK	square
VZ	galvanised
WAL	angle metal spout
WHIT	Whitworth thread
ZBH	accessories

LIST OF ABBREVIATIONS FOR MATERIALS

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

Oilers



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b

Oilers

Article no.

SPEZIAL PUMP-OILERS



01 112

01 111

SPEZIAL pump-oiler, 150 ml

Height: 270 mm
Display storage dimensions
Length: 125 mm / Width: 70 mm

Technical data

Material of container: tin plate
Material of pump: Polyethylene
Length of spout: 165 mm
Material of spout: Aluminium

01 112

SPEZIAL pump-oiler, 250 ml

Height: 295 mm
Display storage dimensions
Length: 125 mm / Width: 70 mm

Specification

- Large filling spout, with captive screw cap
- Since the oil pump remains in the container during refilling, it will not be contaminated
- Lubricates in any position
- Robust aluminium discharge spout
- Measurement units enables drip feed
- Pump, with 2 ball valves
- With bar code

INDUSTRIAL OILERS, ZINC DIE CAST

SINGLE-ACTING BRASS PUMP WITH GRAVITY CONTROLLED SUCTION TUBE

03 802

Industrial oiler, 200 ml, ZDG,

EWMP, spout, aluminium, 135 mm
Height: 270 mm
Display storage dimensions
Length: 120 mm / Width: 60 mm

Technical data

Material of container: zinc die casting,
Z 410, DIN 1743
Lacquering container: metallic-grey
Volume per stroke
pump: 1 ml/stroke
Material of spout: Aluminium

03 803

Industrial oiler, 300 ml, ZDG,

EWMP, spout, aluminium, 165 mm
Height: 320 mm
Display storage dimensions
Length: 125 mm / Width: 70 mm

Specification

- Impact-proof and robust
- Ergonomic design
- Single-acting brass pump
- Ball bearing mounted and gravity controlled suction tube, enables containers to be almost completely emptied
- Pump enables drip feed
- All valves are ball valve type
- Sealing mechanism, with drip collector pan
- High surface quality
- With bar code

03 805

Industrial oiler, 500 ml, ZDG,

EWMP, spout, aluminium, 165 mm
Height: 350 mm
Display storage dimensions
Length: 135 mm / Width: 80 mm



03 802

DOUBLE-ACTING BRASS PUMP AND ROTATING PUMP SWIVEL

Technical data

Material of container: zinc die casting, Z 410, DIN 1743
 Lacquering container: metallic-grey
 Volume per stroke pump: 1 ml/stroke
 Material of spout: Aluminium

Specification

- Impact-proof and robust
- Ergonomic design
- Double-acting brass pump
- Ball bearing mounted and gravity controlled suction tub, enables containers to be almost completely emptied
- Pump enables drip feed
- All valves are ball valve type
- Sealing mechanism, with drip collector pan
- High surface quality
- With bar code

Industrial oiler, 200 ml, ZDG

DWMP, nozzle aluminium, 135 mm
 Height: 270 mm
 Display storage dimensions
 Length: 120 mm / Width: 60 mm

Industrial oiler, 300 ml, ZDG

DWMP, nozzle aluminium, 165 mm
 Height: 320 mm
 Display storage dimensions
 Length: 125 mm / Width: 70 mm

Industrial oiler, 500 ml, ZDG

DWMP, nozzle aluminium, 165 mm
 Height: 350 mm
 Display storage dimensions
 Length: 135 mm / Width: 80 mm

Article no.

03 902

03 903

03 905



03 902

Technical data

Material of container: zinc die casting, Z 410, DIN 1743
 Lacquering container: metallic-grey
 Volume per stroke pump: 1 ml/stroke
 Material of spout: Aluminium

Specification

- The alternative to aerosol spray cans
- Microfine atomisation of low viscosity oils and self-lubricating non aggressive media
- Impact-proof and robust
- Ergonomic design
- Double-acting brass pump
- Ball bearing mounted and gravity controlled suction tub, enables containers to be almost completely emptied
- Pump enables drip feed
- All valves are ball valve type
- Sealing mechanism, with drip collector pan
- Spout with micro sprayer 05 069
- High surface quality
- With bar code

Industrial oiler, 200 ml, ZDG

DWMP, with micro sprayer
 Length spout, with micro sprayer: 115 mm
 Height: 250 mm
 Display storage dimensions
 Length: 120 mm / Width: 60 mm

Industrial oiler, 300 ml, ZDG

DWMP, with micro sprayer
 Length spout, with micro sprayer: 115 mm
 Height: 270 mm
 Display storage dimensions
 Length: 125 mm / Width: 70 mm

Industrial oiler, 500 ml, ZDG

DWMP, with micro sprayer
 Length spout, with micro sprayer: 115 mm
 Height: 300 mm
 Display storage dimensions
 Length: 135 mm / Width: 80 mm

03 902 867

03 903 867

03 905 867



03 902 867

Article no.

DOUBLE-ACTING BRASS PUMP AND ROTATING PUMP SWIVEL



03 902 868

03 902 868

Industrial oiler, 200 ml, ZDG

DWMP, with applicator brush
Length spout,
with applicator brush: 135 mm
Height: 270 mm
Display storage dimensions
Length: 120 mm / Width: 60 mm

Technical data

Material of container: zinc die casting,
Z 410, DIN 1743
Lacquering container: metallic-grey
Volume per stroke
pump: 1 ml/stroke
Material of spout: Aluminium
Quality of brush: natural bristles

03 903 868

Industrial oiler, 300 ml, ZDG

DWMP, with applicator brush
Length spout,
with applicator brush: 135 mm
Height: 280 mm
Display storage dimensions
Length: 125 mm / Width: 70 mm

Specification

- To apply a consistent lubricant film over a large area
- Impact-proof and robust
- Ergonomic design
- Double-acting brass pump
- Ball bearing mounted and gravity controlled suction tub, enables containers to be almost completely emptied
- Pump enables drip feed
- All valves are ball valve type
- Sealing mechanism, with drip collector pan
- Spout with applicator brush 05 070
- High surface quality
- With bar code

03 905 868

Industrial oiler, 500 ml, ZDG

DWMP, with applicator brush
Length spout,
with applicator brush: 135 mm
Height: 320 mm
Display storage dimensions
Length: 135 mm / Width: 80 mm



03 902 869

03 902 869

Industrial oiler, 200 ml, ZDG

DWMP, superflex tube, transparent
Length superflex spout: 150 mm
Height: 270 mm
Display storage dimensions
Length: 120 mm / Width: 60 mm

Technical data

Material of container: zinc die casting,
Z 410, DIN 1743
Lacquering container: metallic-grey
Volume per stroke
pump: 1 ml/stroke

03 903 869

Industrial oiler, 300 ml, ZDG

DWMP, superflex tube, transparent
Length superflex spout: 150 mm
Height: 320 mm
Display storage dimensions
Length: 125 mm / Width: 70 mm

Specification

- Ergonomic design
- Double-acting brass pump
- Ball bearing mounted and gravity controlled suction tub, enables containers to be almost completely emptied
- Pump enables drip feed
- All valves are ball valve type
- Sealing mechanism, with drip collector pan
- Superflex spout, transparent 01 136
- High surface quality
- With bar code

03 905 869

Industrial oiler, 500 ml, ZDG

DWMP, superflex tube, transparent
Length superflex spout: 150 mm
Height: 350 mm
Display storage dimensions
Length: 135 mm / Width: 80 mm

Article no.

INDUSTRIAL OILERS, POLYETHYLENE

SINGLE-ACTING BRASS PUMP WITH GRAVITY CONTROLLED SUCTION TUBE

Technical data

Material of container: Polyethylene
 Colour of container: white, transparent
 Volume per stroke pump: 1 ml/stroke
 Material of spout: Aluminium

Specification

- Impact-proof and robust
- Ergonomic design
- Single-acting brass pump
- Ball bearing mounted and gravity controlled suction tub, enables containers to be almost completely emptied
- Pump enables drip feed
- All valves are ball valve type
- Sealing mechanism, with drip collector pan
- High surface quality
- With bar code

Workshop oiler, 200 ml, PE
 white, EWMP, spout 135 mm
 Height: 270 mm
 Display storage dimensions
 Length: 120 mm / Width: 60 mm

Workshop oiler, 300 ml, PE
 white, EWMP, spout 165 mm
 Height: 320 mm
 Display storage dimensions
 Length: 125 mm / Width: 70 mm

Workshop oiler, 500 ml, PE
 white, EWMP, spout 165 mm
 Height: 350 mm
 Display storage dimensions
 Length: 135 mm / Width: 80 mm

04 802

04 803

04 805



04 802

Technical data

Material of container: Polyethylene
 Colour of container: blue, Pantone 294 c
 Volume per stroke pump: 1 ml/stroke
 Material of spout: Aluminium

Specification

- Impact-proof and robust
- Ergonomic design
- Single-acting brass pump
- Ball bearing mounted and gravity controlled suction tub, enables containers to be almost completely emptied
- Pump enables drip feed
- All valves are ball valve type
- Sealing mechanism, with drip collector pan
- High surface quality
- With bar code

Industrial oiler, 200 ml, PE
 blue, EWMP, spout 135 mm
 Height: 270 mm
 Display storage dimensions
 Length: 120 mm / Width: 60 mm

Industrial oiler, 300 ml, PE
 blue, EWMP, spout 165 mm
 Height: 320 mm
 Display storage dimensions
 Length: 125 mm / Width: 70 mm

Industrial oiler, 500 ml, PE
 blue, EWMP, spout 165 mm
 Height: 350 mm
 Display storage dimensions
 Length: 135 mm / Width: 80 mm

04 802 430

04 803 430

04 805 430



04 802 430

Oilers

b



04 902



04 902 430

Article no.

DOUBLE-ACTING BRASS PUMP AND ROTATING PUMP SWIVEL

04 902

Workshop oiler, 200 ml, PE
white, DWMP, spout 135 mm
Height: 270 mm
Display storage dimensions
Length: 120 mm / Width: 60 mm

Technical data

Material of container: Polyethylene
Colour of container: white, transparent
Volume per stroke
pump: 1 ml/stroke
Material of spout: Aluminium

04 903

Workshop oiler, 300 ml, PE
white, DWMP, spout 165 mm
Height: 320 mm
Display storage dimensions
Length: 125 mm / Width: 70 mm

Specification

- Impact-proof and robust
- Ergonomic design
- Double-acting brass pump
- Ball bearing mounted and gravity controlled suction tub, enables containers to be almost completely emptied
- All valves are ball valve type
- Sealing mechanism, with drip collector pan
- High surface quality
- With bar code

04 905

Workshop oiler, 500 ml, PE
white, DWMP, spout 165 mm
Height: 350 mm
Display storage dimensions
Length: 135 mm / Width: 80 mm

04 902 430

Industrial oiler, 200 ml, PE
blue, DWMP, spout 135 mm
Height: 270 mm
Display storage dimensions
Length: 120 mm / Width: 60 mm

Technical data

Material of container: Polyethylene
Colour of container: blue,
Pantone 294 c
Volume per stroke
pump: 1 ml/stroke
Material of spout: Aluminium

04 903 430

Industrial oiler, 300 ml, PE
blue, DWMP, spout 165 mm
Height: 320 mm
Display storage dimensions
Length: 125 mm / Width: 70 mm

Specification

- Impact-proof and robust
- Ergonomic design
- Double-acting brass pump
- Ball bearing mounted and gravity controlled suction tub, enables containers to be almost completely emptied
- Pump enables drip feed
- All valves are ball valve type
- Sealing mechanism, with drip collector pan
- High surface quality
- With bar code

04 905 430

Industrial oiler, 500 ml, PE
blue, DWMP, spout 165 mm
Height: 350 mm
Display storage dimensions
Length: 135 mm / Width: 80 mm

Technical data

Material of container: Polyethylene
 Colour of container: white, transparent
 Volume per stroke pump: 1 ml/stroke
 Material of spout: Aluminium

Specification

- The alternative to aerosol spray cans
- Microfine atomisation of low viscosity oils and self-lubricating non aggressive media
- Impact-proof and robust
- Ergonomic design
- Double-acting brass pump
- Ball bearing mounted and gravity controlled suction tub, enables containers to be almost completely emptied
- Pump enables drip feed
- All valves are ball valve type
- Sealing mechanism, with drip collector pan
- Spout with micro sprayer 05 069
- High surface quality
- With bar code

Workshop oiler, 200 ml, PE, white

DWMP, with micro sprayer
 Length spout, with micro sprayer: 115 mm
 Height: 250 mm
 Display storage dimensions
 Length: 120 mm / Width: 60 mm

Workshop oiler, 300 ml, PE, white

DWMP, with micro sprayer
 Length spout, with micro sprayer: 115 mm
 Height: 270 mm
 Display storage dimensions
 Length: 125 mm / Width: 70 mm

Workshop oiler, 500 ml, PE, white

DWMP, with micro sprayer
 Length spout, with micro sprayer: 115 mm
 Height: 300 mm
 Display storage dimensions
 Length: 135 mm / Width: 80 mm

Article no.

04 902 867

04 903 867

04 905 867



04 902 867

Technical data

Material of container: Polyethylene
 Colour of container: white, transparent
 Volume per stroke pump: 1 ml/stroke
 Material of spout: Aluminium
 Quality of brush: natural bristles

Specification

- To apply a consistent lubricant film over a large area
- Impact-proof and robust
- Ergonomic design
- Double-acting brass pump
- Ball bearing mounted and gravity controlled suction tub, enables containers to be almost completely emptied
- Pump enables drip feed
- All valves are ball valve type
- Sealing mechanism, with drip collector pan
- Spout with applicator brush 05 070
- High surface quality
- With bar code

Workshop oiler, 200 ml, PE, white

DWMP, with applicator brush
 Length spout, with applicator brush: 135 mm
 Height: 270 mm
 Display storage dimensions
 Length: 120 mm / Width: 60 mm

Workshop oiler, 300 ml, PE, white

DWMP, with applicator brush
 Length spout, with applicator brush: 135 mm
 Height: 280 mm
 Display storage dimensions
 Length: 125 mm / Width: 70 mm

Workshop oiler, 500 ml, PE, white

DWMP, with applicator brush
 Length spout, with applicator brush: 135 mm
 Height: 320 mm
 Display storage dimensions
 Length: 135 mm / Width: 80 mm

04 902 868

04 903 868

04 905 868



04 902 868

Oilers

Article no.

DOUBLE-ACTING BRASS PUMP AND ROTATING PUMP SWIVEL



04 902 869

04 902 869

Workshop oiler, 200 ml, PE, white
 DWMP, superflex tube, transparent
 Length superflex spout: 150 mm
 Height: 300 mm
 Display storage dimensions
 Length: 120 mm / Width: 60 mm

Technical data

Material of container: Polyethylene
 Colour of container: white, transparent
 Volume per stroke pump: 1 ml/stroke

Specification

- Impact-proof and robust
- Ergonomic design
- Double-acting brass pump
- Ball bearing mounted and gravity controlled suction tub, enables containers to be almost completely emptied
- Pump enables drip feed
- All valves are ball valve type
- Sealing mechanism, with drip collector pan
- Superflex spout, transparent (01 136)
- High surface quality
- With bar code

04 903 869

Workshop oiler, 300 ml, PE, white
 DWMP, superflex tube, transparent
 Length superflex spout: 150 mm
 Height: 320 mm
 Display storage dimensions
 Length: 125 mm / Width: 70 mm

04 905 869

Workshop oiler, 500 ml, PE, white
 DWMP, superflex tube, transparent
 Length superflex spout: 150 mm
 Height: 350 mm
 Display storage dimensions
 Length: 135 mm / Width: 80 mm

DIY OILER, POLYETHYLENE, SINGLE-ACTING PLASTIC PUMP



04 111

04 111

DIY oiler, 150 ml, PE, white
 EWKP, spout 105 mm
 Height: 215 mm
 Display storage dimensions
 Length: 90 mm / Width: 50 mm

Technical data

Container capacity: 150 ml
 Material of container: Polyethylene
 Colour of container: white, transparent
 Material of spout: Aluminium

Specification

- Ergonomic design
- Single-acting plastic pump
- Pump enables drip feed
- All valves are ball valve type
- High surface quality
- With bar code

**STANDARD OILERS, POLYETHYLENE,
SINGLE-ACTING PLASTIC PUMP**

Technical data

Material of container: Polyethylene
Colour of container: white, transparent

Specification

- Ergonomic design
- Single-acting plastic pump
- Pump enables drip feed
- All valves are ball valve type
- High surface quality
- With bar code

Standard oiler, 350 ml, PE, white

EWKP, spout 135 mm
Height: 135 mm
Display storage dimensions
Length: 130 mm / Width: 75 mm

Standard oiler, 500 ml, PE, white

EWKP, spout 135 mm
Height: 150 mm
Display storage dimensions
Length: 140 mm / Width: 80 mm

Standard oiler, 350 ml, PE, white

EWKP, superflex spout, transparent
Length superflex spout: 210 mm
Height: 135 mm
Display storage dimensions
Length: 130 mm / Width: 75 mm

Standard oiler, 500 ml, PE, white

EWKP, superflex spout, transparent
Length superflex spout: 210 mm
Height: 150 mm
Display storage dimensions
Length: 140 mm / Width: 80 mm

Article no.

05 118

05 119

05 138

05 139



05 118



05 138

STANDARD OILERS, METAL

SINGLE-ACTING PLASTIC PUMP AND RIGID SPOUT

Technical data

Material of container: steel
Colour of container: red, RAL 3000
Material of pump: Polyethylene
Material of spout: Aluminium

Specification

- Ergonomic design
- Angled spout enables lubricating in difficult to access locations
- Single-acting plastic pump
- Robust pump provides trickle feed supply
- All valves are ball valve type
- High surface quality, lacquered with environment-friendly water based paint
- With bar code

Standard oiler, 125 ml, St, red

EWKP, spout 105 mm
Height: 110 mm
Display storage dimensions
Length: 90 mm / Width: 50 mm

Standard oiler, 175 ml, St, red

EWKP, spout 105 mm
Height: 130 mm
Display storage dimensions
Length: 90 mm / Width: 50 mm

Standard oiler, 250 ml, St, red

EWKP, spout 135 mm
Height: 110 mm
Display storage dimensions
Length: 135 mm / Width: 70 mm

05 111

05 112

05 113



05 111

Article no.

SINGLE-ACTING PLASTIC PUMP AND RIGID SPOUT

05 114

Standard oiler, 350 ml, St, red

EWKP, spout 135 mm
 Height: 120 mm
 Display storage dimensions
 Length: 145 mm / Width: 85 mm

Technical data

Material of container: steel
 Colour of container: red, RAL 3000
 Material of pump: Polyethylene
 Material of spout: Aluminium

05 115

Standard oiler, 500 ml, St, red

EWKP, spout 135 mm
 Height: 150 mm
 Display storage dimensions
 Length: 145 mm / Width: 85 mm

Specification

- Ergonomic design
- Angled spout enables lubricating in difficult to access locations
- Single-acting plastic pump
- Robust pump provides trickle feed supply
- All valves are ball valve type
- High surface quality, lacquered with environment-friendly water based paint
- With bar code



05 114

SINGLE-ACTING PLASTIC PUMP AND SUPERFLEX SPOUT

05 121

Standard oiler, 125 ml, St, red

EWKP, superflex spout, transparent
 Length superflex spout: 150 mm
 Height: 110 mm
 Display storage dimensions
 Length: 90 mm / Width: 50 mm

Technical data

Material of container: steel
 Colour of container: red, RAL 3000
 Material of pump: Polyethylene

05 122

Standard oiler, 175 ml, St, red

EWKP, superflex spout, transparent
 Length superflex spout: 150 mm
 Height: 130 mm
 Display storage dimensions
 Length: 90 mm / Width: 50 mm

Specification

- Ergonomic design
- Single-acting plastic pump
- Robust pump provides trickle feed supply
- All valves are ball valve type
- High surface quality, lacquered with environment-friendly water based paint
- Superflex spout, transparent (01 136)
- With bar code



05 121

05 133

Standard oiler, 250 ml, St, red

EWKP, superflex spout, transparent
 Length superflex spout: 210 mm
 Height: 110 mm
 Display storage dimensions
 Length: 135 mm / Width: 70 mm

Technical data

Material of container: steel
 Colour of container: red, RAL 3000
 Material of pump: Polyethylene

Specification

- Ergonomic design
- Single-acting plastic pump
- Robust pump provides trickle feed supply
- All valves are ball valve type
- High surface quality, lacquered with environment-friendly water based paint
- Superflex spout, transparent (01 130)
- With bar code

Standard oiler, 350 ml, St, red

EWKP, superflex spout, transparent
 Length superflex spout: 210 mm
 Height: 120 mm
 Display storage dimensions
 Length: 145 mm / Width: 85 mm

Standard oiler, 500 ml, St, red

EWKP, superflex spout, transparent
 Length superflex spout: 210 mm
 Height: 150 mm
 Display storage dimensions
 Length: 145 mm / Width: 85 mm

SINGLE-ACTING PLASTIC PUMP, RIGID SPOUT AND SUPERFLEX SPOUT

Technical data

Material of container: steel
 Colour of container: red, RAL 3000
 Material of pump: Polyethylene
 Material of spout: Aluminium

Specification

- Ergonomic design
- Single-acting plastic pump
- Robust pump provides trickle feed supply
- All valves are ball valve type
- High surface quality, lacquered with environment-friendly water based paint
- Angled spout enables lubricating in difficult to access locations
- Superflex spout, transparent 01 136
- With bar code

Standard oiler, 125 ml, St, red

EWKP, superflex and rigid spout
 Length superflex spout: 150 mm
 Length of spout: 105 mm
 Height: 110 mm
 Display storage dimensions
 Length: 90 mm / Width: 50 mm

Standard oiler, 175 ml, St, red

EWKP, superflex and rigid spout
 Length superflex spout: 150 mm
 Length of spout: 105 mm
 Height: 130 mm
 Display storage dimensions
 Length: 90 mm / Width: 50 mm

Standard oiler, 250 ml, St, red

EWKP, superflex and rigid spout
 Length superflex spout: 210 mm
 Length of spout: 135 mm
 Height: 110 mm
 Display storage dimensions
 Length: 135 mm / Width: 70 mm

Standard oiler, 500 ml, St, red

EWKP, superflex and rigid spout
 Length superflex spout: 210 mm
 Length of spout: 135 mm
 Height: 150 mm
 Display storage dimensions
 Length: 145 mm / Width: 85 mm

Article no.

05 134

05 135



05 134

05 111 950



05 111 950

05 112 950

05 133 950

05 135 950

Oilers

Article no.

SINGLE-ACTING BRASS PUMP, RIGID SPOUT AND SUPERFLEX SPOUT



05 223

05 223

Standard oiler, 250 ml, St, blue,
EWMP, superflex and rigid spout
Height: 110 mm
Display storage dimensions
Length: 135 mm / Width: 70 mm

Technical data

Material of container: steel
Colour of container: blue, RAL 5010
Material of pump: brass
Length of spout: 135 mm
Material of spout: Aluminium
Length
superflex spout: 210 mm

05 224

Standard oiler, 350 ml, St, blue,
EWMP, superflex and rigid spout
Height: 120 mm
Display storage dimensions
Length: 145 mm / Width: 85 mm

Specification

- Ergonomic design
- Single-acting brass pump
- Robust pump provides trickle feed supply
- All valves are ball valve type
- High surface quality, lacquered with environment-friendly water based paint
- Angled spout enables lubricating in difficult to access locations
- Superflex spout, transparent (01 130)
- With bar code

05 225

Standard oiler, 500 ml, St, blue,
EWMP, superflex and rigid spout
Height: 150 mm
Display storage dimensions
Length: 145 mm / Width: 85 mm

05 226

Standard oiler, 750 ml, St, blue,
EWMP, superflex and rigid spout
Height: 200 mm
Display storage dimensions
Length: 150 mm / Width: 100 mm



05 226

SINGLE-ACTING BRASS PUMP AND SPOUT WITH BRUSH ATTACHMENT



05 224 001

05 224 001

Standard oiler, 350 ml, St, blue
EWMP, with applicator brush
Length spout,
with applicator brush: 135 mm
Height: 120 mm
Display storage dimensions
Length: 145 mm / Width: 85 mm

Technical data

Material of container: steel
Colour of container: blue, RAL 5010
Material of pump: brass
Quality of brush: natural bristles
Material of spout: Aluminium

Specification

- Ergonomic design
- To apply a consistent lubricant film over a large area
- Single-acting brass pump
- Robust pump provides trickle feed supply
- All valves are ball valve type
- High surface quality, lacquered with environment-friendly water based paint
- Angled spout with applicator brush permits lubricating in difficult to access locations
- Spout with applicator brush 05 070
- With bar code

**PRESSURE PUMP OILER,
SINGLE-ACTING ZINC DIE CASTED PUMP**

Article no.

Technical data

Material of container: steel
 Colour of container: blue, RAL 5010
 Material of pump: zinc die casting,
 Z 410, DIN 1743
 Length of spout: 165 mm
 Material of spout: Aluminium

Pressure - pump oiler, 300 ml, blue
 St, EWZP, spout 165 mm
 Height: 265 mm
 Display storage dimensions
 Length: 110 mm / Width: 60 mm

03 912

Specification

- Robust industrial design
- Ergonomic design
- Single-acting zinc die casted pump
- All valves are ball valve type
- High surface quality, lacquered with environment-friendly water based paint
- Angled spout enables lubricating in difficult to access locations
- With bar code



03 912

SPOUTS AND ACCESSORIES

Spout, aluminium, angled 105 mm	01 070
Spout, aluminium, angled 135 mm	01 071
Spout, aluminium, angled 165 mm	00 220
Superflex spout, transparent 210 mm	01 130
Superflex spout, transparent 150 mm	01 136
Spout with micro sprayer 115 mm, to spray low viscosity liquids	05 069
Spout with applicator brush 135 mm	05 070



01 070

01 130



05 069

05 070

Oilers

b



06 061



06 062



06 064



06 068



06 122

Article no.

OILERS, POLYETHYLENE

06 061

Oiler, 20 ml, PE, transparent
 Height: 115 mm
 Display storage dimensions
 Length: 50 mm / Width: 18 mm

06 062

Oiler, 50 ml, PE, transparent
 Height: 120 mm
 Display storage dimensions
 Length: 50 mm / Width: 24 mm

06 064

Oiler, 125 ml, PE, transparent
 Height: 175 mm
 Display storage dimensions
 Diameter: 45 mm
 with bar code

06 065

Oiler, 250 ml, PE, transparent
 Height: 200 mm
 Display storage dimensions
 Diameter: 60 mm
 with bar code

06 066

Oiler, 500 ml, PE, transparent
 Height: 245 mm
 Display storage dimensions
 Diameter: 70 mm
 with bar code

06 068

Oiler, 60 ml, PE, transparent
 Height: 120 mm
 Display storage dimensions
 Length: 50 mm / Width: 27 mm
 with bar code

06 122

Oiler, 100 ml, PE, transparent
 Height: 160 mm
 Display storage dimensions
 Length: 65 mm / Width: 27 mm

Technical data

Material of container: Polyethylene
 Colour of container: white, transparent

Specification

- Oil, petrol and acid-resistant
- Plastic spout, with sealing cap
- Stable
- High surface quality

Technical data

Material of container: Polyethylene
 Colour of container: white, transparent
 Material of spout: brass

Specification

- Oil, petrol and acid-resistant
- Brass spout, with turn lock at the tip
- Stable
- High surface quality
- With bar code

Tool-box oiler, 50 ml, PE

transparent, brass spout
 Length of spout: 48 mm
 Height: 130 mm
 Display storage dimensions
 Length: 40 mm / Breite: 20 mm

Oiler, 125 ml, PE, transparent,

brass spout
 Length of spout: 36 mm up to 115 mm
 Height: 160 mm
 Display storage dimensions
 Diameter: 45 mm

Oiler, 250 ml, PE, transparent,

brass spout
 Length of spout: 36 mm up to 145 mm
 Height: 185 mm
 Display storage dimensions
 Diameter: 60 mm

Oiler, 500 ml, PE, transparent,

brass spout
 Length of spout: 36 mm up to 180 mm
 Height: 230 mm
 Display storage dimensions
 Diameter: 70 mm

Article no.

06 863



06 863

06 864



06 864

06 865

06 866

GLUE DISPENSERS, POLYETHYLENE

Technical data

Material of container: Polyethylene
 Colour of container: white, transparent
 Material wide nozzle:
 nozzle: Polyethylene

Specification

- Oil, petrol and acid-resistant
- Wide nozzle
 (4 glue dispensing nozzles)
- Stable
- High surface quality
- With bar code

Glue dispenser, 125 ml, PE,

transparent, with wide nozzle
 Height: 140 mm
 Display storage dimensions
 Diameter: 45 mm

Glue dispenser, 250 ml, PE,

transparent, with wide nozzle
 Height: 165 mm
 Display storage dimensions
 Diameter: 60 mm

Glue dispenser, 500 ml, PE,

transparent, with wide nozzle
 Height: 210 mm
 Display storage dimensions
 Diameter: 70 mm

06 964

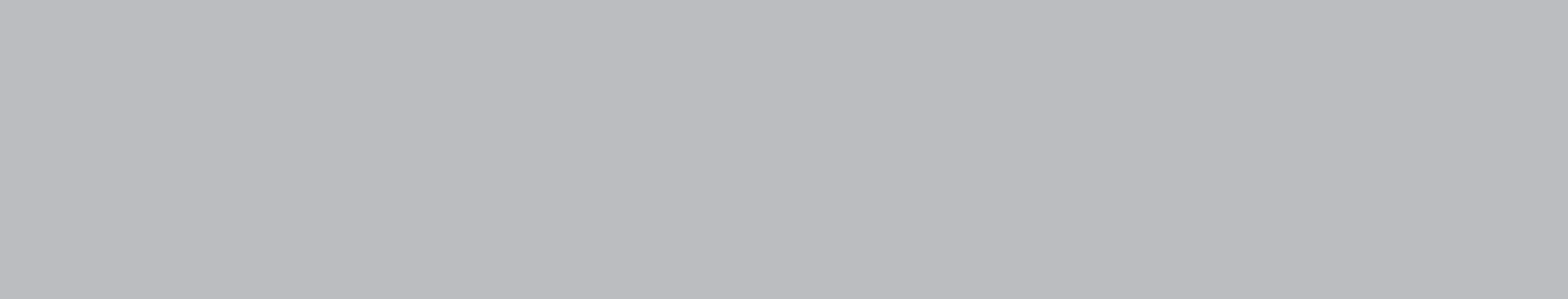
06 965

06 966



06 964

b



Dispensing bottle and Sprayers



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Dispensing bottle and Sprayers

Article no.

DISPENSING BOTTLE, POLYETHYLENE



06 766

06 766

Dispensing bottle, 500 ml, PE,
transparent, dispensing spout, PE
Length of spout: 115 up to 260 mm
telescopic
Height: 310 mm
Display storage dimensions
Diameter: 70 mm

Technical data

Material of container: Polyethylene
Colour of container: white, transparent
Material of spout: Polyethylene

Specification

- Dispensing bottle
- Suitable for filling of car batteries
- Oil, petrol and acid-resistant
- Angled Polyethylene dispensing spout, with fine dispensing nozzle
- Stable
- High surface quality
- With bar code

SPRAYERS FOR USE IN HOUSEHOLD



06 266

06 266

Sprayer for use in household
750 ml, orange, PE
For water-based, non aggressive liquids
Colour of container: orange
Height: 280 mm
Display storage dimensions
Diameter: 100 mm

Technical data

Material of container: Polyethylene

Specification

- Screwed-on pump sprayer
- Sprayer head with adjustable and closeable plastic nozzle
- Stable conical bottle design
- With bar code

06 266 820

Sprayer for use in household
750 ml, white, transparent, PE
For household, water and
distilled water
Colour of container: white, transparent
Height: 280 mm
Display storage dimensions
Diameter: 100 mm



06 266 820

WORKSHOP SPRAYERS

Technical data

Volume per stroke pump: 1 ml/stroke
 Length spout, with micro sprayer: 115 mm
 Material of spout: Aluminium

Specification

- The alternative to aerosol spray cans
- Microfine atomisation of low viscosity oils and self-lubricating non aggressive media
- Impact-proof and robust
- Ergonomic design
- Double-acting brass pump
- Ball bearing mounted and gravity controlled suction tub, enables containers to be almost completely emptied
- Pump enables drip feed
- All valves are ball valve type
- Sealing mechanism, with drip collector pan
- Spout with micro sprayer (05 069)
- High surface quality
- With bar code

Industrial oiler, 200 ml, ZDG,
 DWMP, spout with micro sprayer
 Material of container: zinc die casting, Z 410, DIN 1743
 Lacquering container: metallic-grey
 Height: 250 mm
 Display storage dimensions
 Length: 120 mm / Width: 60 mm

Industrial oiler, 300 ml, ZDG,
 DWMP, spout with micro sprayer
 Material of container: zinc die casting, Z 410, DIN 1743
 Lacquering container: metallic-grey
 Height: 270 mm
 Display storage dimensions
 Length: 125 mm / Width: 70 mm

Industrial oiler, 500 ml, ZDG,
 DWMP, spout with micro sprayer
 Material of container: zinc die casting, Z 410, DIN 1743
 Lacquering container: metallic-grey
 Height: 300 mm
 Display storage dimensions
 Length: 135 mm / Width: 80 mm

Industrial oiler, 200 ml, PE, white
 DWMP, spout with micro sprayer
 Material of container: Polyethylene
 Colour of container: white, transparent
 Height: 250 mm
 Display storage dimensions
 Length: 120 mm / Width: 60 mm

Industrial oiler, 300 ml, PE, white
 DWMP, spout with micro sprayer
 Material of container: Polyethylene
 Colour of container: white, transparent
 Height: 270 mm
 Display storage dimensions
 Length: 125 mm / Width: 70 mm

Industrial oiler, 500 ml, PE, white
 DWMP, spout with micro sprayer
 Material of container: Polyethylene
 Colour of container: white, transparent
 Height: 300 mm
 Display storage dimensions
 Length: 135 mm / Width: 80 mm

Article no.

03 902 867

03 903 867

03 905 867

04 902 867

04 903 867

04 905 867



03 902 867



04 902 867

Dispensing bottle and Sprayers

C



05 069

00 258



06 101

00 956



19 768

Article no.

ACCESSORIES AND SPARE PARTS FOR HOUSEHOLD AND WORKSHOP SPRAYERS

05 069

Spout with micro sprayer
115 mm

Specification

- To spray low viscosity liquids

00 258

Sprayer head
suitable for (06 267), (06 267 820),
(09 901), (09 907)

00 291

Sprayer head
suitable for (06 266)

06 100

Sprayer head
suitable for (06 267 956)

06 101

Sprayer head
suitable for (06 266 820)

00 956

Sprayer head
suitable for (06 142), (06 154)

SPRAY UNIT

19 768

Spray unit mobile
24 l, pneumatic delivery
Dimensions LWH (mm):
350 x 350 x 900
Dimensions package LWH (mm):
950 x 400 x 400

Technical data

Compressed air connection: to suit male Rectus quick release airline connector, type 26

NW: 7,2 mm

Filling: G 1" female, with funnel attachment

Oil delivery: by compressed air buffer, max. 7 bar

Dispensing: manual valve

Lacquering: RAL 7040, window grey satin

Media: low viscosity oils, self-lubricating liquids, e.g. forming oils

Specification

- Pressure gauge
- Coiled air hose
- Spray lance with microfine spray head
- Drip tray
- 2 fixed rear wheels
- Lacquering, oil-resistant

INDUSTRIAL SPRAYERS

Technical data

Material of container: Polyethylene

Specification

- Especially recommended for rust removers and self-lubricating low viscosity liquids
- Screwed-on pump sprayer

Pump sprayer, 100 ml, PE

Colour of container: white, transparent

Height: 145 mm

Display storage dimensions

Length: 65 mm / Width: 27 mm

Pump sprayer, 200 ml, PE

Material of container: Polyethylene

Colour of container: orange

Height: 163 mm

Display storage dimensions

Length: 80 mm / Width: 32 mm

Technical data

Material of container: Polyethylene

Specification

- Suitable for various chemicals, e.g. detergents, solvents and cleaning agents
- Not suitable for acetone, glykol, ammonia, break cleaners and acids like formic acid and acetic acid
- Screwed-on pump sprayer
- Sprayer head with adjustable and closeable plastic nozzle
- Stable conical bottle design
- With bar code

Industrial sprayer, 750 ml, PE

orange, plastic nozzle

Colour of container: orange

Height: 290 mm

Display storage dimensions

Diameter: 100 mm

Industrial sprayer, 750 ml, PE

white, plastic nozzle

Colour of container: white, transparent

Height: 290 mm

Display storage dimensions

Diameter: 100 mm

Industrial sprayer, 750 ml, PE

orange, brass nozzle

Colour of container: orange

Height: 290 mm

Display storage dimensions:

Diameter: 100 mm

Article no.

06 142



06 142



06 154

06 154

06 267



06 267

06 267 820

06 267 956



06 267 820

Dispensing bottle and Sprayers

Article no.

POMPAxx INDUSTRIAL SPRAYERS



06 178

06 178

POMPAxx industrial sprayer
 1000 ml, PE, white, transparent
 Height: 285 mm
 Display storage dimensions
 Length: 220 mm / Width: 125 mm

Technical data

Material of container: Polyethylene

Specification

- Suitable for various chemicals, e.g. detergents, solvents and cleaning agents
- Not suitable for acetone, glykol, ammonia, break cleaners and acids like formic acid and acetic acid
- Manually air pressurized
- Sprayer head with adjustable and closeable plastik nozzle
- Stable conical bottle design
- With bar code



06 902

06 902

POMPAxx industrial sprayer
 2 l, PE, with spout,
 Height: 300 mm
 Display storage dimensions:
 Length: 260 mm / Width: 125 mm

Technical data

Material of container: Polyethylene
 Colour of container: white, transparent

Specification

- Recommended for cleaning and disinfecting machines and vehicles, and spraying of concrete formwork oil as long as the seals are suitable for the liquids being sprayed.



06 905

06 905

POMPAxx industrial sprayer
 5 l, PE, with spray lance,
 Connecting hose: 1,2 m,
 sales promoting display carton
 Height: 520 mm
 Display storage dimensions
 Length: 200 mm / Width: 200 mm

- not suitable for acetone, glykol, ammonia, break cleaners and acids like formic acid and acetic acid

06 910

POMPAxx industrial sprayer
 10 l, PE, with spray lance,
 Connecting hose: 1,2 m,
 sales promoting display carton
 Height: 570 mm
 Display storage dimensions:
 Length: 220 mm / Width: 220 mm

- Sealings, Viton®
- Manually air pressurized
- Safety valve
- Sprayer head with adjustable and closeable plastik nozzle
- Dimensionally stable up to 10 bar, UV-resistant
- Stable conical bottle design
- With bar code

ACCESSORIES AND SPARE PARTS FOR POMPAxx INDUSTRIAL SPRAYERS

Article no.

Gasket set
 spare part for (06 902)
 Sealings, Viton®

06 931



06 931

Spout
 spare part for (06 902)

06 932



06 932

Pump
 spare part for (06 902)

06 933



06 933

Gasket set
 spare part for (06 905), (06 910)
 Gasket set, of Viton®

06 934



06 935

Carrying belt
 spare part for (06 905), (06 906),
 (06 910)

06 935



06 934

Pump
 spare part for (06 905), (06 910)

06 936



06 936

Nozzle 60°, flat stream
 spare part for (06 905), (06 910)

06 937



06 937

Triple nozzle
 spare part for (06 905), (06 910)

06 938



06 938

Spray lance
 spare part for (06 905), (06 910)

06 939



06 939

Dispensing bottle and Sprayers

Article no.



06 903

06 903

POMPAxx STANDARD SPRAYERS

POMPAxx standard sprayer

2 l, PE, with spout
Height: 300 mm
Display storage dimensions:
Length: 260 mm / Width: 125 mm

Technische Daten

Material of container: Polyethylene
Colour of container: white, transparent



06 906

06 906

POMPAxx standard sprayer

5 l, PE, with spray lance,
Connecting hose: 1,2 m
Sales promoting display carton
Height: 520 mm
Display storage dimensions:
Length: 200 mm / Width: 200 mm

Spezifikation

- Recommended for water-based plant protection liquids, fertilizers and pesticides, as long as the seals are resistant against the liquids used
- Seals, Perbunan
- Manually air pressurized
- Safety valve
- Sprayer head with adjustable and closeable plastic nozzle
- Dimensionally stable up to 10 bar, UV-resistant
- Stable bottle design
- With bar code

ACCESSORIES AND SPARE PARTS FOR POMPAxx STANDARD SPRAYERS



06 951

06 951

Gasket set, NBR

spare part for (06 903)
Gasket set, of Perbunan



06 952

06 952

Spout

spare part for (06 903)



06 953

06 953

pump

spare part for (06 903)



06 954

06 954

Gasket set, NBR

spare part for (06 906)
Gasket set, of Perbunan

Carrying belt
 spare part for 06 905, 06 906,
 06 910

Article no.

06 935



Pump
 spare part for 06 906

06 956



Nozzle 60°, flat stream
 spare part for 06 906

06 957



Triple nozzle
 spare part for 06 906

06 958

06 957



Spray lance
 spare part for 06 906

06 959

06 958



06 959



Funnels



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Funnels

Article no.

FUNNELS, TIN PLATE, STRAIGHT SPOUT



02 342

02 342

Funnel, tin plate

Ø 160 mm, capacity 1,3 l
Height: 220 mm
Display storage dimensions:
Length: 205 mm / Width: 160 mm

Technical data

Material: tin plate
Diameter discharge
spout outside: 22 mm

Specification

- For special use in industry and workshops
- High overflow rim functions as splash guard
- Ergonomic and safe handle
- Removable strainer, brass
- Air venting ducts
- High flow rate
- Safety discharge spout, Polyethylene
- Preserved surface
- With bar code

02 344

Funnel, tin plate

Ø 200 mm, capacity 3,2 l
Height: 280 mm
Display storage dimensions:
Length: 240 mm / Width: 210 mm



02 344

FUNNELS, GALVANIZED, STRAIGHT SPOUT

02 352

Funnels, galvanized

Ø 160 mm, capacity 1,3 l
Height: 220 mm
Display storage dimensions:
Length: 205 mm / Width: 160 mm

Technical data

Material: sheet-steel,
galvanized
Diameter discharge
spout outside: 22 mm



02 352

02 354

Funnels, galvanized

Ø 200 mm, capacity 3,2 l
Height: 280 mm
Display storage dimensions:
Length: 240 mm / Width: 210 mm

Specification

- For special use in industry and workshops
- High overflow rim functions as splash guard
- Ergonomic and safe handle
- Removable strainer, brass
- Air venting ducts
- High flow rate
- Safety discharge spout, Polyethylene
- With bar code



02 354

FUNNELS, POLYETHYLENE, STRAIGHT SPOUT

Technical data

Colour : orange
Material: Polyethylen

Specification

- Oil, petrol and acid-resistant
- Straight spout, with ventilation tube
- With grip tab and integral suspension eye
- With bar code

Funnel, Polyethylene

Ø 50 mm, capacity 0,05 l
Diameter discharge
spout outside: 8,5 mm
Height: 80 mm
Display storage dimensions:
Length: 65 mm / Width: 55 mm

Funnel, Polyethylene

Ø 75 mm, capacity 0,09 l
Diameter discharge
spout outside: 9 mm
Height: 110 mm
Display storage dimensions:
Length: 85 mm / Width: 75 mm

Funnel, Polyethylene

Ø 100 mm, capacity 0,25 l
Diameter discharge
spout outside: 10 mm
Height: 130 mm
Display storage dimensions:
Length: 110 mm / Width: 100 mm

Funnel, Polyethylene

Ø 120 mm, capacity 0,27 l
Diameter discharge
spout outside: 15 mm
Height: 160 mm
Display storage dimensions:
Length: 135 mm / Width: 120 mm

Funnel, Polyethylene

Ø 150 mm, capacity 0,7 l
Diameter discharge
spout outside: 15 mm
Height: 180 mm
Display storage dimensions:
Length: 190 mm / Width: 150 mm

Article no.

02 361



02 361

02 362



02 362

02 363



02 364

02 364

02 365



02 365

Funnels

Article no.

FUNNELS, POLYETHYLENE, STRAIGHT SPOUT



02 366

02 366

Funnel, Polyethylene

Ø 200 mm, capacity 2,9 l
Height: 220 mm
Display storage dimensions:
Length: 240 mm / Width: 210 mm

Technical data

Colour: orange
Diameter discharge
spout outside: 24,5 mm

Specification

- Oil, petrol and acid-resistant
- High overflow rim functions as splash guard
- Straight spout, with ventilation tube
- With grip tab and integral suspension eye
- High flow rate
- With bar code

02 366 017

Funnel, Polyethylene

Ø 200 mm, capacity 2,9 l,
removable strainer, brass
Height: 220 mm
Display storage dimensions:
Length: 240 mm / Width: 210 mm



02 367 020

02 367

Funnel, Polyethylene

Ø 250 mm, capacity 3,2 l
Height: 255 mm
Display storage dimensions:
Length: 285 mm / Width: 255 mm

Technical data

Colour: orange
Diameter discharge
spout outside: 27 mm

Specification

- Oil, petrol and acid-resistant
- High overflow rim functions as splash guard
- Straight spout, with ventilation tube
- With grip tab and integral suspension eye
- High flow rate
- With bar code

02 367 020

Funnel, Polyethylene

Ø 250 mm, capacity 3,2 l,
removable strainer, brass
Height: 255 mm
Display storage dimensions:
Length: 285 mm / Width: 255 mm



02 372

02 372

Funnel, Polyethylene

Ø 160 mm, capacity 1,2 l
Height: 205 mm
Display storage dimensions:
Length: 200 mm / Width: 160 mm

Technical data

Colour: orange
Diameter discharge
spout outside: 21,5 mm

Specification

- For special use in industry and workshops
- Oil, petrol and acid-resistant
- High overflow rim functions as splash guard
- Ergonomic and safe handle
- Removable strainer, brass
- Air venting ducts
- High flow rate
- Safety discharge spout, Polyethylene
- With bar code

Article no.

FUNNELS, POLYPROPYLENE, STRAIGHT SPOUT

Technical data

Colour: white, transparent
 Diameter discharge spout outside: 31 mm

Funnel, Polypropylene

Ø 350 mm, capacity 10 l
 Height: 435 mm
 Display storage dimensions
 Diameter: 355 mm

02 369



02 369

TRACTOR FUNNEL, POLYETHYLENE, AND SPARE PART

Technical data

Colour: grey
 Material: Polyethylen
 Diameter discharge spout outside: 30 mm

Tractor funnel, Polyethylene

280 x 190 (rectangular), 4 l
 Height: 300 mm
 Display storage dimensions
 Length: 280 mm / Width: 190 mm

02 370



02 370

Specification

- Oil, petrol and acid-resistant
- High overflow rim functions as splash guard
- Removable strainer, brass
- Straight spout
- High flow rate
- With bar code

Fine strainer, brass
 spare part for 02 370

02 371



02 371

Funnels

d



02 671



02 360



02 372 043



02 671 010

Article no.

OIL BOTTLE FUNNEL, POLYETHYLENE

02 671

Oil can - funnel, Polyethylene

Ø 120 mm, capacity 1 l
Height: 160 mm
Display storage dimensions:
Length: 150 mm / Breite: 120 mm

Technical data

Colour: orange
Material: Polyethylen
Diameter discharge
spout outside: 27 mm

Specification

- Oil, petrol and acid-resistant
- Filling spout fits into the filler neck of an engine
- Grip tab, with tip for opening sealing foil of oil cans
- With bar code

FUNNEL SETS, POLYETHYLENE

02 360

Funnel set, Polyethylene

Ø 50, 75, 100, 120 mm
Height: 160 mm
Display storage dimensions:
Length: 135 mm / Width: 120 mm

Technical data

Colour: orange
Material: Polyethylen

Specification

- Oil, petrol and acid-resistant
- Grip tab, for comfortable use
- Multiple application possibilities
- With bar code

02 360 954

Funnel set, Polyethylene

Ø 50, 75, 100, 120, 150 mm
Height: 180 mm
Display storage dimensions:
Length: 190 mm / Width: 150 mm

02 372 043

Funnel set, Polyethylene

Ø 50, 75, 100, 120, 150, 160 mm
Funnel, Ø 160 mm, with replacement strainer, brass
Height: 205 mm
Display storage dimensions:
Length: 200 mm / Width: 160 mm

02 671 010

Funnel set, PE, Ø 50, 75,

Ø 100, 120, 150 and ÖDT 120 mm
Oil can - funnel 02 671, with grip tab, with tip for opening sealing foil of oil cans
Height: 200 mm
Display storage dimensions:
Length: 185 mm / Width: 155 mm

FUNNELS FOR WASTE OIL OR CHEMICAL DISPOSAL, POLYETHYLENE

Technical data

Connection: G 2" male, barrel screw coupling
 Colour of funnel: red
 Colour of cover: black

Funnel, Polyethylene

Ø 250 mm, capacity 3,2 l
 Height: 210 mm
 Display storage dimensions:
 Length: 320 mm / Width: 265 mm

Specification

- For waste oil or chemical disposal
- To suit standard 60 l or 200 l containers
- Lockable cover
- High flow rate

Article no.

02 568



02 568

Technical data

Connection: Ø 60 mm, female thread
 Colour of funnel: red
 Colour of cover: black

Funnel, Polyethylene

Ø 250 mm, capacity 3,2 l
 Height: 210 mm
 Display storage dimensions:
 Length: 320 mm / Width: 265 mm

Specification

- For waste oil or chemical disposal
- For plastic containers
- Lockable cover
- High flow rate

02 569



02 569

FUNNELS, POLYETHYLENE, WITH FLEXIBLE SPOUT

Technical data

Length discharge spout: 330 mm
 Colour: orange
 Diameter discharge spout outside, two-step: 13 or 19 mm

Funnel, Polyethylene

Ø 160, capacity 1,2 l
 Height: 470 mm
 Display storage dimensions:
 Length: 195 mm / Width: 160 mm

Specification

- For special use in industry and workshops
- Oil, petrol and acid-resistant
- Ideal for fuel filler pipes of cars with catalysators and other small diameter filling necks
- With two-step flex spout (removable)
- High overflow rim functions as splash guard
- With safe handle
- With bar code

02 662



02 662

Funnels

Article no.

FUNNELS, POLYETHYLENE, WITH FLEXIBLE SPOUT



02 665

02 665

Funnel, Polyethylene, with FLA

Ø 150 mm, capacity 0,7 l
Height: 490 mm
Display storage dimensions:
Length: 185 mm / Width: 160 mm

Technical data

Material: Polyethylen
Colour: orange
Diameter discharge
spout outside: 17 mm
Length discharge
spout: 330 mm

Specification

- For special use in industry and workshops
- Oil, petrol and acid-resistant
- With flexible removable discharge spout
- With grip tab and integral suspension eye
- With bar code

02 674

Catalysator funnel, Polyethylene

Ø 160 mm, capacity 1,2 l
Height: 470 mm
Display storage dimensions:
Length: 195 mm / Width: 160 mm

Technical data

Material: Polyethylen
Colour: orange
Diameter discharge
spout outside,
two-step: 13 or 19 mm
Length discharge
spout: 330 mm

Specification

- For special use in industry and workshops
- Oil, petrol and acid-resistant
- Ideal for fuel filler pipes of cars with catalysators and other small diameter filling necks
- With two-step flex spout (removable)
- With removable strainer, brass
- High overflow rim functions as splash guard
- With safe handle
- With bar code



02 674

FUNNELS WITH SPOUT OR FLEXIBLE SPOUT, POLYETHYLENE OR TIN PLATE

Technical data

Material: Polyethylen
Colour: orange

Specification

- For special use in industry and workshops
- Oil, petrol and acid-resistant
- With removable strainer, brass
- High overflow rim functions as splash guard
- With bar code

Funnel, PE, with WAL

Ø 160 mm, capacity 1,2 l
Angled tube, safety discharge spout, PE
Diameter discharge
spout outside: 20 mm
Length angled tube: 200 mm
Height: 260 mm
Display storage dimensions
Length: 195 mm / Width: 160 mm

Funnel, PE, flexible spout, FLMA

Ø 160 mm, capacity 1,2 l
Flexible metal discharge spout (detachable), safety discharge spout, PE
Diameter discharge
spout outside: 18 mm
Length metal
discharge spout: 300 mm
Packed in polybag
Height: 160 mm
Display storage dimensions
Length: 250 mm / Width: 230 mm

Technical data

Material: tin plate
Diameter discharge
spout outside: 18 mm
Length discharge
tube: 300 mm

Specification

- For special use in industry and workshops
- Oil, petrol and acid-resistant
- Flexible metal discharge spout (detachable), safety discharge spout, PE
- With removable strainer, brass
- High overflow rim functions as splash guard
- Preserved surface
- Packed in polybag
- With bar code

Funnel, flexible spout,

tin plate, Ø 160 mm, capacity 1,3 l
Height: 165 mm
Display storage dimensions
Length: 225 mm / Width: 200 mm

Funnel, flexible spout

tin plate, Ø 200 mm, capacity 3,2 l
Height: 200 mm
Display storage dimensions
Length: 285 mm / Width: 250 mm

Article no.

02 562



02 562

02 675



02 675

02 645



02 645

02 344 950



02 344 950

Funnels

Article no.

ACCESSORIES AND SPARE PARTS FOR FUNNELS



00 238

00 238

Flexible discharge spout, PE
for funnels, Polyethylene

Technical data

Diameter discharge
spout outside,
two-step: 13 or 19 mm
Length discharge
tube: 330 mm
Colour: orange
Diameter: 45 mm

Specification

- For special use in industry and workshops
- Oil, petrol and acid-resistant
- Two-step
- For: (06 372), (06 662), (06 674)



01 172

01 172

Fine strainer, brass

Technical data

Material: brass
Diameter: 58 mm

Specification

- For funnels, Metal and Polyethylene (06 342), (06 344), (06 352), (06 354), (06 366), (06 367), (06 372), (06 562), (06 645), (06 662), (06 674), (06 675) and variations of these articles



02 371

02 371

Fine strainer, brass
spare part for (02 370)



02 640

02 640

Flexible discharge spout
Metal

Technical data

Material: Metal
Diameter discharge
spout outside: 18 mm
Length discharge
tube: 300 mm
Diameter: 40 mm

Specification

- For special use in industry and workshops
- Oil, petrol and acid-resistant
- For funnels, Metal and Polyethylene (06 342), (06 344), (06 344 950), (06 352), (06 354), (06 372), (06 645), (02 675)

Measures and Measuring cans



MEASURES, POLYPROPYLENE, CALIBRATED, TRANSPARENT	48 - 49
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e

Measures and Measuring cans

Article no.

MEASURES, POLYPROPYLENE, CALIBRATED, TRANSPARENT

07 060

Measure, Polypropylene

0,25 l, transparent
 Scale graduations: 5 ml
 Height: 120 mm
 Display storage dimensions:
 Length: 111 mm / Width: 75 mm

Technical data

Material: Polypropylene
 Colour of container: transparent
 Application range: -10 °C up to max. +120 °C

07 061

Measure, Polypropylene

0,5 l, transparent
 Scale graduations: 10 ml
 Height: 135 mm
 Display storage dimensions:
 Length: 145 mm / Breite: 100 mm

Specification

- Oil and acid-resistant
- Foodstuff-compatible
- Scale painted and raised
- Break-proof and stable
- Ergonomic handle
- Stackable
- Safe dispensing
- With bar code

07 061 390

Measure, Polypropylene

0,5 l, transparent, scale ml/%
 Scale graduations 1: 10 ml
 Scale graduations 2: 2%, 3%, 5%, 8%
 Height: 135 mm
 Display storage dimensions:
 Length: 145 mm / Breite: 100 mm

07 062

Measure, Polypropylene

1 l, transparent
 Scale graduations: 10 ml
 Height: 170 mm
 Display storage dimensions:
 Length: 180 mm / Breite: 125 mm

07 063

Measure, Polypropylene

2 l, transparent
 Scale graduations: 20 ml
 Height: 215 mm
 Display storage dimensions:
 Length: 210 mm / Breite: 150 mm



07 061



07 062

Technical data

Material: Polypropylene
 Colour of container: transparent
 Application range: -10 °C up to max.
 +120 °C

Specification

- Oil and acid-resistant
- Foodstuff-compatible
- Scale painted and raised
- Break-proof and stable
- Ergonomic handle
- Stackable
- Safe dispensing
- With bar code

Measure, Polypropylene

3 l, transparent
 Scale graduations: 50 ml
 Height: 240 mm
 Display storage dimensions:
 Length: 235 mm / Breite: 170 mm

Measure, Polypropylene

5 l, transparent
 Scale graduations: 100 ml
 Height: 270 mm
 Display storage dimensions:
 Length: 290 mm / Breite: 215 mm

Technical data

Material: Polypropylene
 Colour of container: transparent
 Application range: -10 °C up to max.
 +120 °C

Specification

- Measure, 0,5 l (07 061)
- Measure, 1 l (07 062)
- Measure, 2 l (07 063)
- Completely packed in polybag
- With bar code

Measure set, Polypropylene

set of 0,5 l, 1 l, 2 l
 Height: 245 mm
 Display storage dimensions:
 Length: 210 mm / Breite: 150 mm

Article no.

07 064



07 064

07 065

07 071



07 071

Measures and Measuring cans

e



07 160



07 161



07 162



07 163



07 164



07 165

Article no.

MEASURING CYLINDERS, POLYPROPYLENE, CALIBRATED, TRANSPARENT

07 160

Measuring cylinder, Polypropylene

0,025 l, transparent
 Scale graduations: 0,5 ml
 Measuring tolerance: $\pm 0,5$ ml
 Height: 170 mm
 Diameter: 50 mm

Technical data

Material: Polypropylene
 Colour of container: transparent
 Application range: -10 °C up to max. +120 °C

07 161

Measuring cylinder, Polypropylene

0,05 l, transparent
 Scale graduations: 1 ml
 Measuring tolerance: ± 1 ml
 Height: 200 mm
 Diameter: 60 mm

Specification

- Oil and acid-resistant
- Foodstuff-compatible
- Break-proof and with wide pedestal
- Safe dispensing
- For mixing and measuring of fluids
- With bar code

07 162

Measuring cylinder, Polypropylene

0,1 l, transparent
 Scale graduations: 1 ml
 Measuring tolerance: ± 1 ml
 Height: 255 mm
 Diameter: 70 mm

07 163

Measuring cylinder, Polypropylene

0,25 l, transparent
 Scale graduations: 2 ml
 Measuring tolerance: ± 2 ml
 Height: 310 mm
 Diameter: 90 mm

07 164

Measuring cylinder, Polypropylene

0,5 l, transparent
 Scale graduations: 5 ml
 Measuring tolerance: ± 5 ml
 Height: 345 mm
 Diameter: 100 mm

07 165

Measuring cylinder, Polypropylene

1 l, transparent
 Scale graduations: 10 ml
 Measuring tolerance: ± 10 ml
 Height: 415 mm
 Diameter: 120 mm

MEASURES, POLYETHYLENE, CALIBRATED, TRANSPARENT

Technical data

Material: Polyethylene
 Colour of container: white, transparent
 Application range: -10 °C up to max. +110 °C

Specification

- Oil, acid and fuel-resistant
- Ergonomic design
- Discharge - funnel-shaped
- Break-proof and stable
- German, English and American scale division
- Optional mounting of a flexible spout
- With bar code

Measure, Polyethylene

0,5 l, white, transparent
 Scale graduations: 0,25 l
 Height: 190 mm
 Display storage dimensions
 Length: 160 mm / Width: 70 mm

Measure, Polyethylene

1 l, white, transparent
 Scale graduations: 0,25 l
 Height: 230 mm
 Display storage dimensions
 Length: 190 mm / Width: 85 mm

Measure, Polyethylene

2 l, white, transparent
 Scale graduations: 0,5 l
 Height: 290 mm
 Display storage dimensions
 Length: 230 mm / Width: 105 mm

Measure, Polyethylene

3 l, white, transparent
 Scale graduations: 0,5 l
 Height: 335 mm
 Display storage dimensions
 Length: 265 mm / Width: 130 mm

Measure, Polyethylene

5 l, white, transparent
 Scale graduations: 0,5 l, at 1 l starting
 Height: 380 mm
 Display storage dimensions
 Length: 300 mm / Width: 135 mm

Article no.

07 500



07 500

07 501

07 502

07 503

07 505



07 505

Measures and Measuring cans

Article no.

MEASURES, POLYETHYLENE, CALIBRATED, TRANSPARENT

07 600

Measure, Polyethylene with FLA
0,5 l, white, transparent
Scale graduations: 0,25 l
Length flexible spout: 160 mm
Height: 190 mm
Display storage dimensions
Length: 160 mm / Width: 70 mm

Technical data

Material: Polyethylene
Colour of container: white, transparent
Application range: -10 °C up to max. +110 °C

Specification

- Oil, acid and fuel-resistant
- Ergonomic design
- Discharge - funnel-shaped
- Flexible spout
- Break-proof and stable
- German, English and American scale division
- With bar code

07 601

Measure, Polyethylene with FLA
1 l, white, transparent
Scale graduations: 0,25 ml
Length flexible spout: 160 mm
Height: 230 mm
Display storage dimensions
Length: 190 mm / Width: 85 mm

07 602

Measure, Polyethylene with FLA
2 l, white, transparent
Scale graduations: 0,5 l
Length flexible spout: 160 mm
Height: 290 mm
Display storage dimensions
Length: 230 mm / Width: 105 mm

07 603

Measure, Polyethylene with FLA
3 l, white, transparent
Scale graduations: 0,5 l
Length flexible spout: 330 mm
Height: 335 mm
Display storage dimensions
Length: 265 mm / Width: 130 mm

07 605

Measure, Polyethylene with FLA
5 l, white, transparent
Scale division: 0,5 l, at 1 l starting
Length flexible spout: 330 mm
Height: 380 mm
Display storage dimensions
Length: 300 mm / Width: 135 mm



07 600



07 602

ACCESSORIES AND SPARE PARTS FOR MEASURES OF POLYETHYLENE

Technical data

Material: Polyethylene
 Application range: -10 °C up to max. +110 °C

Specification

- Oil, acid and fuel-resistant

Flexible discharge spout, PE

160 mm, transparent,
 for 07 500, 07 501,
 with sealing ring
 Length flexible spout: 160 mm
 Height: 160 mm
 Diameter: 30 mm

Article no.

00 328



00 328

Flexible discharge spout, PE

160 mm, transparent,
 for 07 502
 Length flexible spout: 160 mm
 Height: 160 mm
 Diameter: 30 mm

00 328 950



00 238 820

Flexible discharge spout, PE

330 mm, white, transparent,
 for 07 503, 07 505
 Length flexible spout: 330 mm
 Height: 330 mm
 Diameter: 45 mm

00 238 820

MEASURES, TIN PLATE

Technical data

Material of container: tin plate
 Material discharge spout: Polyethylene

Specification

- Safety discharge spout
- Ergonomic handle
- Preserved surface
- Stable
- With bar code

Measure, tin plate

0,5 l, calibratable
 Height: 230 mm
 Display storage dimensions
 Length: 170 mm / Width: 70 mm

07 341



07 341

Measure, tin plate

1 l, calibratable
 Height: 270 mm
 Display storage dimensions
 Length: 190 mm / Width: 90 mm

07 342

Measure, tin plate

2 l, calibratable
 Height: 320 mm
 Display storage dimensions
 Length: 210 mm / Width: 115 mm

07 343



07 343

Measures and Measuring cans

Article no.

MEASURES, TIN PLATE



07 341 831

07 341 831

Measure, tin plate

0,5 l, calibrated
Height: 230 mm
Display storage dimensions
Length: 170 mm / Width: 70 mm

Technical data

Material of container: tin plate
Material discharge spout: Polyethylene

07 342 831

Measure, tin plate

1 l, calibrated
Height: 270 mm
Display storage dimensions
Length: 190 mm / Width: 90 mm

Specification

- Safety discharge spout
- Ergonomic handle
- Preserved surface
- Stable
- With bar code



07 343 831

07 343 831

Measure, tin plate

2 l, calibrated
Height: 320 mm
Display storage dimensions
Length: 210 mm / Width: 115 mm

07 642

Measure, tin plate

1 l, with metal flex spout
Height: 370 mm
Display storage dimensions
Length: 320 mm / Width: 90 mm

Technical data

Material of container: tin plate
Material discharge spout: metal

07 643

Measure, tin plate

2 l, with metal flex spout
Height: 410 mm
Display storage dimensions
Length: 330 mm / Width: 115 mm

Specification

- Flexible metal discharge spout
- Ergonomic handle
- Stable
- With bar code



07 643

MEASURING CANS

Technical data

Material of container: tin plate
Material discharge spout: metal

Specification

- Metal funnel discharge spout
- Handle
- Swivelling carrying handle

Measuring can, tin plate

5 l
Height: 400 mm
Length
discharge spout: 100 mm
Display storage dimensions
Length: 300 mm / Width: 170 mm

Measuring can, tin plate

10 l
Height: 475 mm
Length
discharge spout: 130 mm
Display storage dimensions
Length: 390 mm / Width: 220 mm

Technical data

Material of container: galvanized steel
Material discharge spout: metal
Measuring scale: internal
Length
discharge spout: 100 mm

Specification

- Metal funnel discharge spout
- Handle
- Swivelling carrying handle
- For use in workshops, industry, and garage working environments

Measuring can, galvanized

steel sheet, 5 l, calibratable
Scale division: 0,5 l at 3 l starting
Height: 435 mm
Display storage dimensions
Length: 330 mm / Width: 190 mm

Measuring can, galvanized

steel sheet, 10 l, calibratable
Scale division: 1 l at 5 l starting
Height: 520 mm
Display storage dimensions
Length: 360 mm / Width: 240 mm

Measuring can, galvanized

steel sheet, 20 l, calibratable
Scale division: 5 l at 10 l starting
Height: 630 mm
Display storage dimensions
Length: 470 mm / Width: 300 mm

Article no.

07 805



07 805

07 810



08 062

08 062

08 063



08 069

08 069

Measures and Measuring cans

Article no.

MEASURING CANS



08 062 831

08 062 831

Measuring can, galvanized

steel sheet, 5 l, calibrated
Scale division: 0,5 l at 3 l starting
Height: 435 mm
Display storage dimensions
Length: 330 mm / Width: 190 mm

Technical data

Material of container: galvanized steel
Material discharge spout: metal
Measuring scale: internal
Length discharge spout: 100 mm

08 063 831

Measuring can, galvanized

steel sheet, 10 l, calibrated
Scale division: 1 l at 5 l starting
Height: 520 mm
Display storage dimensions
Length: 360 mm / Width: 240 mm

Specification

- Metal funnel discharge spout
- Handle
- Swivelling carrying handle
- For use in workshops, industry, and garage working environments



08 069 831

08 069 831

Measuring can, galvanized

steel sheet, 20 l, calibrated
Scale division: 5 l at 10 l starting
Height: 630 mm
Display storage dimensions
Length: 470 mm / Width: 300 mm

e

Storage cans and canisters



STORAGE CANS, TIN PLATE	58
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Storage cans and canisters



08 042

Article no.

STORAGE CANS, TIN PLATE

08 041

Storage can, tin plate, 3 l

Height: 225 mm
Display storage dimensions
Length: 300 mm / Width: 170 mm

Technical data

Material: tin plate

Specification

- For use in industry and workshops
- Double-flanged container base, welded seam and stable design
- Hinge cover, angled discharge spout and captive dispensing spout cap
- Sturdy carrying grip and handle
- With bar code

08 042

Storage can, tin plate, 5 l

Height: 310 mm
Display storage dimensions
Length: 300 mm / Width: 170 mm

08 043

Storage can, tin plate, 10 l

Height: 350 mm
Display storage dimensions
Length: 350 mm / Width: 230 mm



08 052

STORAGE CANS, GALVANIZED

08 052

Storage can, 5 l

made of galvanized steel
Height: 310 mm
Display storage dimensions
Length: 300 mm / Width: 170 mm

Technical data

Material: galvanized steel

Specification

- For use in industry and workshops
- Double-flanged container base, welded seam and stable design
- Hinge cover, angled discharge spout and captive dispensing spout cap
- Sturdy carrying grip and handle
- With bar code

08 053

Storage can, 10 l

made of galvanized steel
Height: 350 mm
Display storage dimensions
Length: 350 mm / Width: 230 mm

08 054

Storage can, 15 l

made of galvanized steel
Height: 500 mm
Display storage dimensions
Length: 350 mm / Width: 230 mm

JERRYCANS, METAL

Technical data

Material: steel sheet
Colour: olive-green

Specification

- Internally painted
- Suitable for liquid fuels
- Welded design
- Safe lock
- TÜV / UN - approved

Jerrycan, 5 l

made of metal
Height: 280 mm
Display storage dimensions
Length: 220 mm / Width: 125 mm

Jerrycan, 5 l

made of metal
Height: 400 mm
Display storage dimensions
Length: 280 mm / Width: 125 mm

Jerrycan, 5 l

made of metal
Height: 480 mm
Display storage dimensions
Length: 360 mm / Width: 160 mm

Article no.

21 050



21 050

21 055



21 060 950

21 060 950

ACCESSORIES AND SPARE PARTS FOR METAL CANS

Technical data

Material: steel sheet
Colour: olive-green
Length
discharge tube: 170 mm
Diameter: 30 mm

Specification

- With bar code

Rigid discharge spout

metal, lacquered
Height: 290 mm
Display storage dimensions
Length: 120 mm
Width: 65 mm

21 070



21 070

Technical data

Material: sheet-steel, galvanized
Length
discharge tube: 285 mm
Diameter: 16 mm

Specification

- With bar code

Flexible discharge spout

metal, galvanized
Height: 380 mm
Display storage dimensions
Length: 120 mm
Width: 65 mm

21 080



21 080

Specification

- For (21 050), (21 055), (21 060 950)

Rubber gasket, for can

Height: 5 mm
Display storage dimensions
Length: 60 mm
Width: 50 mm

99 826 450



99 826 450

Specification

- For (21 070), (21 080)

Rubber gasket

Height: 5 mm
Display storage dimensions
Length: 55 mm
Width: 50 mm

99 826 451



99 826 451

Storage cans and canisters

Article no.

CANS, POLYETHYLENE



21 131

21 131

Petrol jerrycan, 5 l

Polyethylene, with FLA

Height: 237 mm

Display storage dimensions

Length: 331 mm

Width: 185 mm

Technical data

Material jerrycan: HDPE

Colour: red

Material cover

cap and spout: PP

Colour: window grey,

silk matt

RAL 7040

Length spout: 195 mm

Diameter: 20 mm

21 133

Petrol jerrycan, 10 l

Polyethylene, with FLA

Height: 319 mm

Display storage dimensions

Length: 329 mm

Width: 195 mm

Specification

- Spout is stored inside jerrycan
- With flexible spout
- Spout with integrated ventilation
- Cover cap is secured against loss with flexible band
- Robust and resistant against impact
- TÜV approved, UN/BAM-approved
- Suitable for liquid fuels
- With bar code



21 137

21 137

Petrol jerrycan, 20 l

Polyethylene, with FLA

Height: 410 mm

Display storage dimensions

Length: 385 mm

Width: 229 mm

21 030

Double tank fuel can

5 l/2, 5 l, Polyethylene

Volume of chamber 1: 5 l

Volume of chamber 2: 2,5 l

Height: 320 mm

Display storage dimensions

Length: 310 mm / Width: 140 mm

Technical data

Colour: red

Length

discharge tube: 90 mm

Spezifikation

- With rigid spout
- TÜV and GS - approved and tested acc. to German Government Specifications
- Suitable for liquid fuels
- Robust and resistant against impact
- With bar code



21 030

CANS, POLYETHYLENE

Technical data

Colour: black
 Length discharge tube: 250 mm

Specification

- With flexible spout
- TÜV and GS - approved and tested acc. to German Government Specifications
- Suitable for liquid fuels
- Robust and resistant against impact
- With bar code

Fuel can, 5 l

Polyethylene, with FLA
 Height: 240 mm
 Display storage dimensions
 Length: 260 mm / Width: 140 mm

Fuel can, 10 l

Polyethylene, with FLA
 Height: 340 mm
 Display storage dimensions
 Length: 320 mm / Width: 140 mm

Fuel can, 10 l

Polyethylene, with FLA
 UN-approved
 Height: 340 mm
 Display storage dimensions
 Length: 320 mm / Width: 140 mm

Article no.

21 305



21 305

21 310



21 310 944

21 310 944

CANS, POLYETHYLENE, FOR WATER

Technical data

Material can: HDPE
 Colour: white
 Material cover cap and tap: PP
 Colour: Window grey, satin RAL 7040

Specification

- Foodstuff-compatible
- With detachable tap, easy to clean
- Robust and resistant against impact
- Cover cap is secured against loss with flexible band
- With bar code

Water can, 10 l

Polyethylen with ABH
 Height: 319 mm
 Display storage dimensions
 Length: 348 mm
 Width: 174 mm

Water can, 15 l

Polyethylen with ABH
 Height: 418 mm
 Display storage dimensions
 Length: 352 mm
 Width: 175 mm

Water can, 20 l

Polyethylen with ABH
 Height: 408 mm
 Display storage dimensions
 Length: 416 mm
 Width: 203 mm

Water can, 35 l

Polyethylen with ABH
 Height: 537 mm
 Display storage dimensions
 Length: 415 mm
 Width: 248 mm

21 163



21 163

21 165

21 167

21 169



21 165

Storage cans and canisters



21 151



21 153



21 141



21 143



21 090

Article no.

CANS, POLYETHYLENE, FOR WATER

21 151

Water can, 5 l

Polyethylen with FLA
 Height: 251 mm
 Display storage dimensions
 Length: 330 mm
 Width: 150 mm

Technical data

Material can: HDPE
 Colour: white
 Material cover
 cap and spout: PP
 Colour: Window grey,
 silk matt RAL 7040

21 153

Water can, 10 l

Polyethylen with FLA
 Height: 342 mm
 Display storage dimensions
 Length: 330 mm
 Width: 171 mm

Length spout: 195 mm
 Diameter: 20 mm

Specification

- Foodstuff-compatible
- Spout is stored inside jerrycan
- With flexible spout
- Spout with integrated ventilation
- Cover cap is secured against loss with flexible band
- Robust and resistant against impact
- With bar code

21 157

Water can, 20 l

Polyethylen with FLA
 Height: 431 mm
 Display storage dimensions
 Length: 383 mm
 Width: 203 mm

CANS, POLYETHYLENE, UNIVERSAL

21 141

Can, 5 l, Eco blue

Polyethylen with FLA
 Height: 251 mm
 Display storage dimensions
 Length: 329 mm
 Width: 152 mm

Technical data

Material can: HDPE
 Colour: blue
 Material cover
 cap and spout: PP
 Colour: Window grey,
 silk matt RAL 7040

21 143

Can, 10 l, Eco blue

Polyethylen with FLA
 Height: 341 mm
 Display storage dimensions
 Length: 329 mm
 Width: 172 mm

Length spout: 195 mm
 Diameter: 20 mm

Specification

- Spout is stored inside jerrycan
- With flexible spout
- Spout with integrated ventilation
- Cover cap is secured against loss with flexible band
- Robust and resistant against impact
- Foodstuff-compatible
- Not for petrol
- With bar code

21 147

Can, 20 l, Eco blue

Polyethylen with FLA
 Height: 433 mm
 Display storage dimensions
 Length: 381 mm
 Width: 201 mm

CAN FOR ANTI-FREEZE

21 090

Can for anti-freeze, 11 l

made of Polyethylene
 Height: 320 mm
 Display storage dimensions
 Length: 650 mm
 Width: 200 mm

Technical data

Colour: black

Specification

- With sealing cap and filter
- Suitable for water
- Foodstuff-compatible
- With bar code

Do it yourself



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Do it yourself



09 080



09 901



09 004



09 096

Article no.

RUST REMOVER

09 080

Rust remover

pump sprayer, 200 ml
Lock with protecting cap
Height: 165 mm
Display storage dimensions
Length: 80 mm / Width: 34 mm

Technical data

Material: Polyethylene
Colour of bottle: orange

09 901

Rust remover

refill bottle, 750 ml
With sprayer head upgradable
Height: 215 mm
Diameter: 100 mm

Specification

- Disperses rust and dirt by undercreeping
- Protects reliably against corrosion and door locks against freezing
- Maintains, lubricates and oils
- With bar code

09 004

Rust remover

storage can, 2,5 l
Height: 200 mm
Display storage dimensions
Length: 150 mm / Width: 120 mm

Technical data

Material: Polyethylene
Colour of can: white, transparent

09 005

Rust remover

storage can, 5 l
Height: 240 mm
Display storage dimensions
Length: 180 mm / Width: 150 mm

Specification

- Disperses rust and dirt by undercreeping
- Protects reliably against corrosion and door locks against freezing
- Maintains, lubricates and oils
- With bar code

MULTIPURPOSE OIL

09 096

Multipurpose oil

aerosol spray can, 200 ml
Languages:
German, French, Dutch
Height: 170 mm
Diameter: 50 mm

Specification

- For multipurpose use in house, garden and garage
- Lubricates door hinges and door locks, bicycles, motor bikes, roller shutters, drawers, etc.
- Protects door locks, gardening and sports equipment against freezing

09 096 924

Multipurpose oil

aerosol spray can, 200 ml
Languages:
English, Italian, Polish
Height: 170 mm
Diameter: 50 mm

- Maintains rubber seals, plastics in cars, bicycles, motor bikes, metals
- Disperses rust by undercreeping and prevents corrosion
- With bar code

09 096 936

Multipurpose oil

aerosol spray can, 200 ml
Languages:
Spanish, Portuguese, Greek
Height: 170 mm
Diameter: 50 mm

SPECIAL CLEANER		Article no.
<p>Technical data</p> <p>Material: Polyethylene Colour of bottle: orange</p> <p>Specification</p> <ul style="list-style-type: none"> • Disperses dirt, oil, grease, wax and tar • With bar code 	<p>Special Cleaner pump sprayer, 200 ml Lock with protecting cap Height: 165 mm Display storage dimensions Length: 80 mm / Width: 34 mm</p> <p>Special Cleaner refill bottle, 750 ml With sprayer head upgradable Height: 215 mm Diameter: 100 mm</p>	<p>09 081</p> <p>09 903</p>
<p>Technical data</p> <p>Material: Polyethylene Colour of can: white, transparent</p> <p>Specification</p> <ul style="list-style-type: none"> • Disperses dirt, oil, grease, wax and tar • With bar code 	<p>Special Cleaner storage can, 2,5 l Height: 200 mm Display storage dimensions Length: 150 mm / Width: 120 mm</p>	<p>09 002</p>
SPECIAL CHAIN CLEANER		
<p>Technical data</p> <p>Material: Polyethylene Colour of bottle: orange</p> <p>Specification</p> <ul style="list-style-type: none"> • For two wheeled vehicles and all drive chains • Disperses dirt and old oil residues • Lubricates, maintains and ensures trouble-free operation • Increases the life range of the chain considerably • With bar code 	<p>Special Chain Cleaner pump sprayer, 200 ml Lock with protecting cap Height: 165 mm Display storage dimensions Length: 80 mm / Width: 34 mm</p> <p>Special Chain Cleaner refill bottle, 750 ml With sprayer head upgradable Height: 215 mm Diameter: 100 mm</p>	<p>09 082</p> <p>09 905</p>
<p>Technical data</p> <p>Material: Polyethylene Colour of can: white, transparent</p> <p>Specification</p> <ul style="list-style-type: none"> • For two wheeled vehicles and all drive chains • Disperses dirt and old oil residues • Lubricates, maintains and ensures trouble-free operation • Increases the life range of the chain considerably • With bar code 	<p>Special Chain Cleaner storage can, 2,5 l Height: 200 mm Display storage dimensions Length: 150 mm / Width: 120 mm</p>	<p>09 003</p>



09 081

09 903



09 002



09 082

09 905



09 003

Do it yourself



09 907



09 909



09 102



09 104

Article no.

VARIOUS OILS

09 907

Machine Oil

refill bottle, 750 ml

With sprayer head upgradable

Height: 215 mm

Diameter: 100 mm

Technical data

Material: Polyethylene

Colour of bottle: orange

Specification

- Free of resins and acids
- Multi-purpose, e.g. as lubricating and cooling oil for bearings, gearboxes, guide ways, hydraulics, transmissions, pumps in domestic, workshop/garage and maintenance environments
- With bar code

09 909

Oil for compressed air tools

refill bottle, 750 ml

Height: 215 mm

Diameter: 100 mm

Technical data

Material: Polyethylene

Colour of bottle: orange

Specification

- Free of resins and acids
- For maintenance of air operated tools (pumps, impact screw drivers, etc.) and pneumatic control systems (cylinders, valves, etc.)
- With bar code

AEROSOL SPRAY CANS, WITH ECO-FRIENDLY PROPELLANT GAS

09 102

Rust remover

aerosol spray can, 400 ml

Height: 200 mm

Diameter: 65 mm

Specification

- Disperses rust and dirt by undercreeping
- Protects reliably against corrosion and door locks against freezing
- Maintains, lubricates and oils
- Languages: German, English, French
- With bar code

09 104

Motor cleanser

aerosol spray can, 400 ml

Height: 200 mm

Diameter: 65 mm

Specification

- Eliminates reliably and quickly, grease, asphalt and tar spots on motors, chassis and gearboxes of cars, campers, motor cycles and bicycles
- Removes wet paint
- Languages: German, English, French
- With bar code

Specification

- Improves the flow rate in all electric equipment, e.g. of car ignition systems
- Removes creep currents and voltage loss
- Prevents rust by infiltrating and dispelling moisture in contacts, fuses, relays, etc
- Languages: German, English, French
- With bar code

Electro contact spray

aerosol spray can, 200 ml
 Height: 170 mm
 Diameter: 50 mm

Article no.

09 106



09 106

Technical data

Length of spout: 145 mm

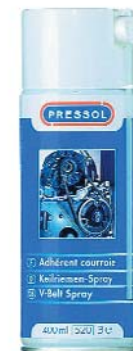
Specification

- With spout
- Increases the power transmission of the drive belt by up to 300%
- Due to the increased flexibility, contact to the drive pulley is significantly improved.
- Lengthens life range, protects, preserves and impregnates
- Languages: German, English, French
- With bar code

Drive belt spray

aerosol spray can, with spout, 400 ml
 Height: 200 mm
 Diameter: 65 mm

09 108



09 108

Technical data

Length of spout: 145 mm

Specification

- The universal lubricant for almost every kind of material
- Recommended for use in household, where contamination by grease is non-desirable: hinges, locks, electric switches
- Professional application: textile and woodworking industry, ball bearings, slide rails, chains and threads
- Languages: German, English, French
- With bar code

PTFE Dry-Film Lubricant

aerosol spray can, with spout, 400 ml
 Height: 200 mm
 Diameter: 65 mm

09 110



09 110

Do it yourself

Article no.

AEROSOL SPRAY CANS, WITH ECO-FRIENDLY PROPELLANT GAS



09 112

09 112

Universal oil spray

aerosol spray can, 200 ml

Height: 170 mm

Diameter: 50 mm

Specification

- Lubricates and loosens down to -30 °C all tight parts
- Perfect for hinges, screws, bolts, valves, gearwheels and car locks
- Impregnates and protects against rust
- Languages: German, English, French
- With bar code



09 114

09 114

Adhesive grease spray

aerosol spray can, spout 400 ml

Height: 200 mm

Diameter: 65 mm

Technical data

Length of spout: 145 mm

Specification

- Gets all kinds of chains, wire ropes, rollers, ball bearings, gearwheels, joints and couplings running again
- Equally suitable for door hinges and locks as well as in cars, e.g. on the brake linkage
- Disperses moisture, protects against rust and is extremely adhesive
- Languages: German, English, French
- With bar code



09 116

09 116

Lubricating grease (white)

aerosol spray can, spout 400 ml

Height: 200 mm

Diameter: 65 mm

Technical data

Length of spout: 145 mm

Specification

- Lubricates everything on cars, motor cycles and gardening equipment (chains, cables, gears and couplings, up to leaf springs and cable guides)
- Especially designed for long-term lubrication, adheres extremely well
- Disperses moisture, protects against rust
- Languages: German, English, French
- With bar code

g

Article no.

Specification

- Lubricates and maintains steering gear, rudders, engine blocks and cable connections
- Improves the sliding properties of drawers and hinges
- Excellent sliding quality on nearly all surfaces
- High electrical resistance properties, for example, switches and wiring
- Languages: German, English, French
- With bar code

Silicone grease spray

aerosol spray can, 200 ml
 Height: 170 mm
 Diameter: 50 mm

09 118



09 118

Specification

- The ideal protective undercoat against rust for all metal surfaces such as car body parts, gutters, garage doors, etc.
- High weather-resistant
- Languages: German, English, French
- With bar code

Zinc spray (pale)

aerosol spray can, 400 ml
 Height: 200 mm
 Diameter: 65 mm

09 120



09 120

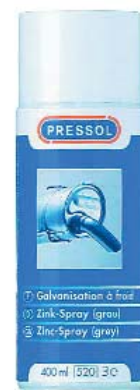
Specification

- Best possible protective undercoat against rust for all purely metallic surfaces which have to stand up to extremely high thermic and weathering stress, e.g. exhaust pipes
- Particular suitable for final treatment of welded and spot welded joints
- Languages: German, English, French
- With bar code

Zinc spray (grey)

aerosol spray can, 400 ml
 Height: 200 mm
 Diameter: 65 mm

09 122



09 122

Do it yourself

Article no.

AEROSOL SPRAY CANS, WITH ECO-FRIENDLY PROPELLANT GAS/LANT GAS



09 124

09 124

Silicone spray

aerosol spray can,
with spout, 400 ml

Height: 200 mm
Diameter: 65 mm

Technical data

Length of spout: 145 mm

Specification

- Impregnates and cares for all plastic and rubber parts e.g., in and on cars: bumpers, folding tops, tyres, radiator hoses
- Protects against brittleness and freezing
- Antistatic, protects electric contacts against moisture
- Eliminates annoying squeaking noises
- Lubricates sliding sunroof rails
- Languages: German, English, French
- With bar code



09 126

09 126

Brake cleaner

aerosol spray can, 500 ml

Height: 335 mm
Diameter: 65 mm

Specification

- Removes quickly, reliably and residue free, oil, dirt and brake lining dust from disc brakes, brake shoes, brake pressure plates and liners
- Highly recommended for cleaning and degreasing of glass, ceramics and all metals, it also removes silicon residues
- Languages: German, English, French
- With bar code



09 128

09 128

1-Component Primer

aerosol spray can, 400 ml

Height: 200 mm
Diameter: 65 mm

Specification

- Special bonding primer and base filler for repairs to paintwork
- Quick drying, adheres excellently, protects against rust, even on critical areas at the edges of ground or filled places
- Languages: German, English, French
- With bar code

**LUBRICANTS FOR DO-IT-YOURSELF PURPOSES,
WITH MARCHANDISING TAG**

Technical data

Material: Polyethylene
Colour of bottle: white

Specification

- For multipurpose use in house, garden and garage
- Lubricates door hinges and door locks, bicycles, motor bikes, roller shutters, drawers, etc.
- Protects door locks, gardening and sports equipment against freezing
- Maintains rubber seals, plastics in cars, bicycles, motor bikes, metals
- Disperses rust by undercreeping and prevents corrosion
- With hanging tag
- Sealed with a leak proof sealing cap
- Packing unit in sales promotion display carton box
- With bar code

Multipurpose oil

100 ml
Height
(with merchandising tag): 190 mm
Display storage dimensions
Length: 70 mm / Width: 25 mm

Article no.

09 540



09 540

Technical data

Material: Polyethylene
Colour of bottle: white

Specification

- Free of resins and acids
- For multipurpose use in house, garden and garage
- Prevents freezing of car doors
- Protects rubber against frost damage and embrittlement
- Preserves bicycle and moped components
- Providing an exact metering
- Perfect for lubrication of guide rails, hinges, roof top windows or for maintenance of sports equipment
- With hanging tag
- Sealed with a leak proof sealing cap
- Packing unit in sales promotion display carton box
- With bar code

Technical Vaseline

80 g
Height
(with merchandising tag): 190 mm
Display storage dimensions
Length: 70 mm / Width: 25 mm

10 560



10 560

Do it yourself

Article no.

LUBRICANTS FOR DO-IT-YOURSELF PURPOSES, WITH MARCHANDISING TAG



10 562

10 562

Oil for compressed air tools

100 ml
Height
(with merchandising tag): 190 mm
Display storage dimensions
Length: 70 mm / Width: 25 mm

Technical data

Material: Polyethylene
Colour of bottle: white

Specification

- Free of resins and acids
- For maintenance of air operated tools (pumps, impact screw drivers, etc.) and pneumatic control systems (cylinders, valves, etc.)
- With hanging tag
- Sealed with a leak proof sealing cap
- Providing an exact metering
- Packing unit in sales promotion display carton box
- With bar code

10 564

All purpose grease

80 g
Free of resin and acids, lubricates threads, hinges and locks, protects metal against corrosion, adheres reliably without drips
Height
(with merchandising tag): 190 mm
Display storage dimensions
Length: 70 mm / Width: 25 mm

Technical data

Material: Polyethylene
Colour of bottle: white

Specification

- With hanging tag
- Sealed with a leak proof sealing cap
- Providing an exact metering
- Packing unit in sales promotion display carton box
- With bar code



10 564



10 565

10 565

Accumulator terminal grease

80 g
Protects electric connections against corrosion, improves conductivity
Height
(with merchandising tag): 190 mm
Display storage dimensions
Length: 70 mm / Width: 25 mm

10 566

Ball bearing lubricating grease

80 g
High performance multipurpose grease for all slide and roller bearings, acid-free and water resistant, application from -30 °C to +120 °C, for permanently lubricated bearings from -30 °C to +80 °C
Height
(with merchandising tag): 190 mm
Display storage dimensions
Length: 70 mm / Width: 25 mm



10 566

Article no.

Technical data

Material: Polyethylene
 Colour of bottle: white

Specification

- For drilling, turning, milling and cutting of all metall materials
- Permits high cutting speed at low tool wear and tear
- Sealed with a leak proof sealing cap
- With hanging tag
- Providing an exact metering
- Packing unit in sales promotion display carton box
- With bar code

Cutting and drilling oil

100 ml
 Height
 (with merchandising tag): 190 mm
 Display storage dimensions
 Length: 70 mm / Width: 25 mm

10 571



10 571

Technical data

Material: Polyethylene
 Colour of bottle: white

Specification

- Free of resins and acids
- Cleans all kinds of weapons
- Disperses resin and all kinds of dirt
- Creeps even into hairline cracks
- Protects against corrosion
- Water-repellent
- Sealed with a leak proof sealing cap
- Packing unit in sales promotion display carton box
- With bar code

Gun oil

100 ml
 Height
 (with merchandising tag): 190 mm
 Display storage dimensions
 Length: 70 mm / Width: 25 mm

10 573



10 573

Technical data

Material: Polyethylene
 Colour of bottle: white

Specification

- Disperses dirt and old lubricant films
- Protects chains against corrosion and increases their life range
- With hanging tag
- Sealed with a leak proof sealing cap
- Providing an exact metering
- Packing unit in sales promotion display carton box
- With bar code

Special Chain Oil

100 ml
 Height
 (with merchandising tag): 190 mm
 Display storage dimensions
 Length: 70 mm / Width: 25 mm

10 574



10 574

Do it yourself



10 588

Article no.

LUBRICANTS FOR DO-IT-YOURSELF PURPOSES, WITH MARCHANDISING TAG

10 588

Talcum

50 g
Height
(with merchandising tag): 190 mm
Display storage dimensions
Length: 70 mm / Width: 25 mm

Technical data

Material: Polyethylene
Colour of bottle: white

Specification

- The perfect protection for rubber
- Protects rubber against frost damage and prevents door locks from freezing
- Lubricates drawers and sliding windows
- Odourless and non-greasy
- With hanging tag
- Sealed with a leak proof sealing cap
- Providing an exact metering
- Packing unit in sales promotion display carton box
- With bar code



10 589

10 589

Graphite

50 g
Height
(with merchandising tag): 190 mm
Display storage dimensions
Length: 70 mm / Width: 25 mm

Technical data

Material: Polyethylene
Colour of bottle: black

Specification

- Finely ground natural graphite, grease free and odourless
- Lubricates car and cylinder locks, hinges, latches etc.
- Provides long time protection against squeaking and creaking
- Prevents locks from freezing up
- With hanging tag
- Sealed with a leak proof sealing cap
- Providing an exact metering
- Packing unit in sales promotion display carton box
- With bar code

Technical data

Material: Polyethylene
 Colour of bottle: white

Specification

- With hanging tag
- Sealed with a leak proof sealing cap
- Providing an exact metering
- Packing unit in sales promotion display carton box
- With bar code

Adhesive oil

100 ml
 Lubricates lawnmowers, choppers, cutters and bicycles, adheres well and remains in place

Height
 (with merchandising tag): 190 mm
 Display storage dimensions
 Length: 70 mm / Width: 25 mm

Special oil for sewing machines

100 ml
 Precision instrument oil, free of resin and acids, for sewing machines and typewriters, ball bearings, bicycles and skates etc.

Height
 (with merchandising tag): 190 mm
 Display storage dimensions
 Length: 70 mm / Width: 25 mm

Mineral oil for precision equipment

100 ml
 High quality oil for all precision instruments, good aging stability

Height
 (with merchandising tag): 190 mm
 Display storage dimensions
 Length: 70 mm / Width: 25 mm

DIY Oil

100 ml
 Free of resins and acids, lubricates long term, threads, hinges and locks, protects metal against corrosion

Height
 (with merchandising tag): 190 mm
 Display storage dimensions
 Length: 70 mm / Width: 25 mm

Article no.

10 593



10 593

10 595



10 595

10 596



10 596

10 597



10 597

Do it yourself

Article no.

LUBRICANTS FOR CYCLISTS, WITH MERCHANDISING TAG



10 550

10 550

Bicycle oil 1 - lubrication

100 ml

Multipurpose oil for all bicycle lubrication needs, brakes are easier to operate again, gear changing smoother and without snatching, foot pedal bearings operate more smoothly, steering is easier and safer to control

Height

(with merchandising tag): 190 mm

Display storage dimensions

Length: 70 mm / Width: 25 mm

Technical data

Material: Polyethylene

Colour of bottle: white

Specification

- Also suitable for motor cycles
- With hanging tag
- Sealed with a leak proof sealing cap
- Providing an exact metering
- Packing unit in sales promotion display carton box
- With bar code



10 551

10 551

Bicycle oil 2 - chain protector

100 ml

Oil with outstanding adhesive properties, maintains and protects bicycle chains, anti-static, thereby dust and dirt-repellent, prevents excessive wear and reduces noise, protects against weather and environmental influence like rain, sludge and ice

Height

(with merchandising tag): 190 mm

Display storage dimensions

Length: 70 mm / Width: 25 mm



10 552

10 552

Bicycle oil 3 - cleaner

100 ml

Cleans and preserves all metal components in one step, removes rust and effectively prevents new rusting, anti-static, thereby dust and dirt-repellent

Height

(with merchandising tag): 190 mm

Display storage dimensions

Length: 70 mm / Width: 25 mm

g

LUBRICANTS FOR DO-IT-YOURSELF PURPOSES

Technical data

Material: Polyethylene

Specification

- Free of resins and acids
- Multi-purpose, e.g. as lubricating and cooling oil for bearings, gearboxes, guide ways, hydraulics, transmissions, pumps in domestic, workshop/garage and maintenance environments
- Sealed with a leak proof sealing cap
- Providing an exact metering
- Refillable
- With bar code

Machine Oil

200 ml
 Colour: orange
 Height: 175 mm
 Display storage dimensions
 Length: 80 mm / Width: 34 mm

Oil for pneumatic tools

50 ml
 Colour: transparent
 Height: 120 mm
 Display storage dimensions
 Length: 50 mm / Width: 25 mm

Technical data

Material: Polyethylene

Specification

- Sealed with a leak proof sealing cap
- Providing an exact metering
- Refillable
- With bar code

Oil

100 ml
 High quality universal oil, free of resins and acids, for all domestic, garden and hobby purposes, cleans, lubricates and protects
 Colour: transparent
 Height: 160 mm
 Display storage dimensions
 Length: 70 mm / Width: 25 mm

Talcum

50 g
 Protects rubber against frost damage and prevents door locks from freezing, lubricates drawers and sliding windows, odourless and non-greasy
 Colour: white
 Height: 155 mm
 Display storage dimensions
 Length: 60 mm / Width: 25 mm

Graphite

50 g
 Finely ground natural graphite, grease free and odourless, lubricates car and cylinder locks, hinges, latches etc., provides long time protection against squeaking and creaking, prevents locks from freezing up
 Colour: black
 Height: 160 mm
 Display storage dimensions
 Length: 70 mm / Width: 25 mm

Article no.

10 070



10 070

10 062



10 062

10 097



10 097

10 098



10 098

10 099



10 099

Do it yourself

Article no.

LUBRICANTS IN DISPLAY CARTON OF 25 PIECES



10 164

10 164

DIY Grease

40 g, in display carton box, 25 pcs.

Height: 130 mm

Base area of display carton:

Length: 290 mm / Width: 150 mm

Technical data

Material: Polyethylene

Colour of bottle: white

Specification

- Free of resins and acids
- Lubricates long term, threads, hinges and locks
- Protects metal against corrosion
- Sealed with a leak proof sealing cap
- Providing an exact metering
- In convenient Polyethylene squeeze-bottle
- Packing unit in sales promotion display carton box



10 167

10 167

DIY Oil

60 ml, in display carton box, 25 pcs.

Height: 130 mm

Base area of display carton:

Length: 290 mm / Width: 150 mm

Technical data

Material: Polyethylene

Colour of bottle: black

Specification

- Finely ground natural graphite, grease free and odourless
- Lubricates car and cylinder locks, hinges, latches etc.
- Provides long time protection against squeaking and creaking
- Prevents locks from freezing up
- Sealed with a leak proof sealing cap
- Providing an exact metering
- Refillable
- In convenient Polyethylene squeeze-bottle
- Packing unit in sales promotion display carton box



10 189

10 189

Graphite

18 g, in display carton box, 25 pcs.

Height: 130 mm

Base area of display carton:

Length: 290 mm / Width: 150 mm

g

LUBRICANT SET

Technical data

Volume : graphite 50 g,
talcum 50 g,
do it yourself oil
100 ml
Material: Polyethylene

Lubricant set, graphite

talcum, do it yourself oil
Height
(with merchandising tag): 250 mm
Display storage dimensions
Length: 230 mm / Width: 25 mm

Specification

- Consisting of: (10 588), (10 589), (10 597)
- Sealed with a leak proof sealing cap
- Providing an exact metering
- Sales promoting display package
- Polybag, with headcard, for hanging display
- With bar code

Article no.

10 830



10 830

MULTI-PURPOSE DRAIN PANS

Technical data

Material: Polyethylene
Colour: black

Multi-purpose drain pan

6 l, Polyethylene
Height: 100 mm
Display storage dimensions
Length: 360 mm / Width: 360 mm

Specification

- Break-proof
- With robust carrying handles
- For oil changing and cleaning of parts
- Safe emptying, due to all round overflow rim and emptying
- With platform for parts cleaning
- The oil filter can drain off.
- The drainage containers are stackable.
- With bar code

24 110



24 110

Do it yourself

Article no.

MULTI-PURPOSE DRAIN PANS

24 114



24 114

Multi-purpose drain pan

14 l, LDPE, with cover
 Height: 150 mm
 Display storage dimensions
 Length: 450 mm / Width: 400 mm

Technical data

Material: LDPE
 Colour of drain pan: black
 Colour of cover: red

Specification

- Break-proof
- With robust carrying handles
- For cleaning
- Combination of multi-purpose drain pan and collecting- and transport container
- For oil changing and cleaning of parts
- Lock-up discharge spout
- Wide mesh drain grill
- Lock-up cover, 200 mm
- With platform for parts cleaning
- The oil filter can drain off.
- 2 wheels easy to adjust, mobile
- With bar code

g



30 027

IDEAL PRESENTS

30 027

DIY set

four parts
 Height: 150 mm
 Display storage dimensions
 Length: 360 mm / Width: 360 mm

Specification

- Catalysator funnel (02 674)
- DIY oiler, 150 ml (04 111)
- Liquid measure, 1 l (07 501)
- Multi-purpose drain pan (24 110)
- Completely packed in polybag
- With bar code

30 029

Oil changing set

triple-piece
 Height: 100 mm
 Display storage dimensions
 Length: 360 mm / Width: 360 mm

Specification

- Liquid measure, 1 l (07 501)
- Flexible spout 00 328 for (07 501)
- Multi-purpose drain pan (24 110)
- Completely packed in polybag
- With bar code



30 029

MULTIBOxx - THE STURDY MULTI-PURPOSE TOOLBOX

Specification

- Sorts and protects in the areas: electrical trade, carpenters, garages, graphic designers, architects' offices, as well as for home and do-it-yourself purposes, e.g. fishing equipment, haberdashery, painting and drawing equipment, modelling and tools
- Stackable
- Impact-resistant
- Optimized interior compartmentation, partially movable partitions
- With bar code

MULTIBOxx, 5 l

Dimension LWH (mm):
375 x 320 x 60

Article no.

30 801



30 801

Specification

- Sorts and protects in the areas: electrical trade, carpenters, garages, graphic designers, architects' offices, as well as for home and do-it-yourself purposes, e.g. fishing equipment, haberdashery, painting and drawing equipment, modelling and tools
- Integrated small parts storage in lid
- Stackable
- Impact-resistant
- Optimized interior compartmentation
- Convenient safety clip cap
- Suitable for padlock mounting
- With bar code

MULTIBOxx, 7 l

Dimension LWH (mm):
380 x 195 x 150

30 803



30 803

MULTIBOxx, 14 l

Dimension LWH (mm):
380 x 260 x 220

30 805



30 805

MULTIBOxx, 20 l

Dimension LWH (mm):
480 x 260 x 240

30 807

MULTIBOxx, 27 l

Dimension LWH (mm):
575 x 260 x 260
Separately removable inside
compartment

30 809



30 809

Do it yourself



73 005



73 077



73 080

Article no.

ASSORTMENT OF GASKETS

73 005

Assortment of copper gaskets, 540 parts
30 dimensions, Ø 4 - 33 mm female
Dimension LWH (mm):
255 x 185 x 50

Technical data

Inside diameter: 4 up to 33 mm
Temperature range: -150 °C up to +300 °C
Pressure: up to 160 bar

Specification

- For screw connections in mechanical equipment, for engines, pumps, compressors, etc.
- With bar code

73 077

Perbunan O-ring set, 210 parts
18 ABM, 7, 65 x 1, 78 up to 31, 34 x 3,53 mm
Dimension LWH (mm):
220 x 135 x 40

Technical data

Dimensions: 7,65 x 1,78 up to 31,34 x 3,53 mm
Temperature range: -40 °C up to +135 °C
Shore hardness static: up to 70 bar
Shore hardness dynamic: up to 200 bar

Specification

- For the fields of hydraulics, pneumatics and mechanical engineering
- For hydraulic oils and mineral greases, petroleum, water (warm and cold)
- With bar code

73 080

Rubber gasket set, 278 parts
10 dimensions, Ø 4 - 33 mm female
Dimension LWH (mm):
220 x 135 x 40

Technical data

Inside diameter: 4-33 mm
Temperature range: -10 °C up to +100 °C
Pressure: bis 10 bar

Specification

- For water (warm and cold) and gas
- For screw connections in mechanical equipment, for engines, pumps, compressors, etc.
- With bar code

Technical data

Dimensions,
metric: 3 x 1,5 up to 30,
3 x 3 mm

Temperature
range: -40 °C up to +135 °C

Shore hardness
static: up to 70 bar

Shore hardness
dynamic: up to 200 bar

Specification

- For the fields of hydraulics, pneumatics and mechanical engineering
- For hydraulic oils and mineral greases, petroleum, water (warm and cold)
- With bar code

Perbunan O-ring set, 425 parts
30 ABM, 3 x 1,5 - 30, 3 x 3 mm
Dimension LWH (mm):
270 x 215 x 40

Article no.

73 089



73 089

Grease guns and Accessories



PNEUMAxx, PERMANENT MANUALLY AIR PRESSURIZED GREASE SUPPLY INTO THE GREASE GUN HEAD **90 - 95**

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STANDARD GREASE GUN, SPRING OPERATED GREASE SUPPLY INTO THE GREASE GUN HEAD **112 - 125**



ONE HAND OPERATED GREASE GUN, SPRING OPERATED GREASE SUPPLY INTO THE GREASE GUN HEAD **126 - 129**

OIL GUN **130 - 131**

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VARIOUS ACCESSORIES AND ACCESSORY SETS FOR GREASE GUNS **159 - 163**

LUBRICANTS AND CARTRIDGES **164 - 165**



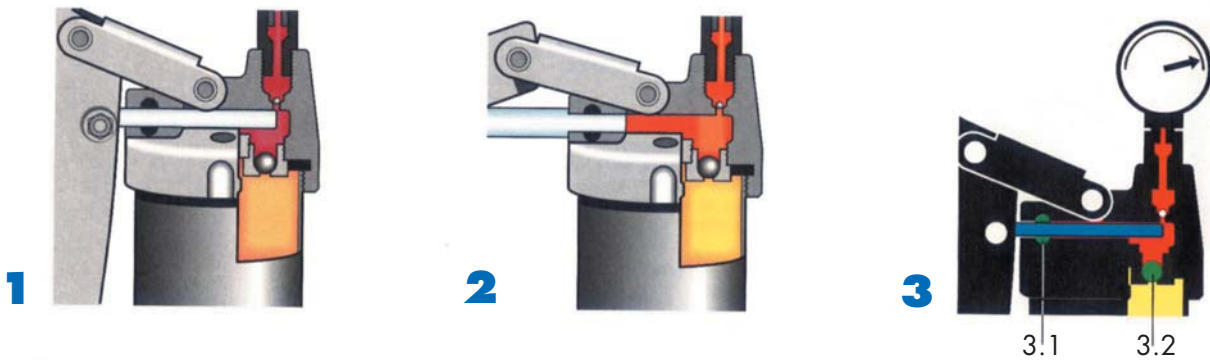
VARIO SYSTEM

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 1 2 3

The "Variable Stroke System" permits lubrication even when working with **stiff grease** or if **extreme backpressure** is encountered i.e. by **resinated grease nipples**.
 Allows lubrication in confined areas because grease will be permanently spring operated injected into the delivery chamber and pressed to the point of lubrication.
Hardly accessible points of lubrication can be lubricated with **low effort**.

Variable Stroke System



1 Illustrating position when extreme backpressure is encountered due to a dirty or damaged grease nipple.

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

3 The check valve ensures positive lubrication even when using cold or stiff grease.
 Absolute no Dummy lubrication.
 Gasket system: O-ring (3.1) and ball valve (3.2) prevent grease from backing up in the grease gun head.

POSI LOK

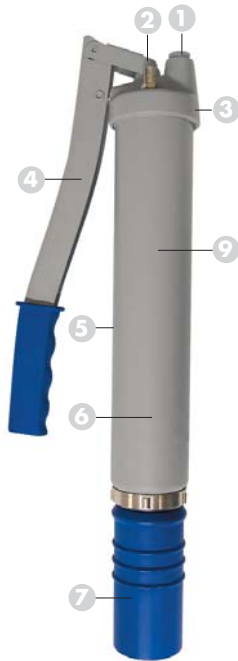
THE FIVE KEY DESIGN FEATURES OF OUR CONSTRUCTION

»Posi Lok«

1. Easy to clean due to completely removable plunger rod assemble.
2. The patented PRESSOL construction of a removable plunger rod assemble is designed for manual support of the spring in any position to compress bulk grease or to operate even with damaged cartridges.
3. Thre 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

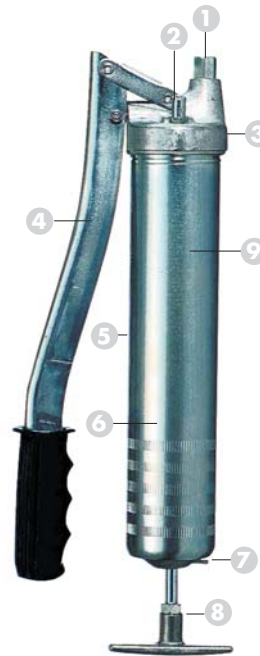
Manually air pressurized grease supply into the grease gun head



- 1 Grease gun connection, pressure side G 1/8" or M 10 x 1 utilizing a steel connector
- 2 Filling nipple M 10 x 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

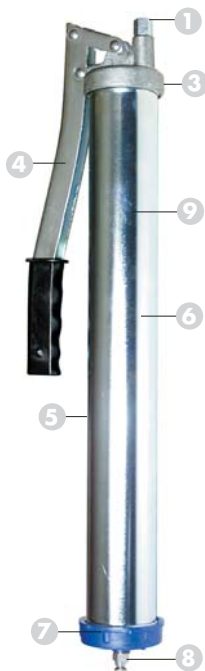
INDUSTRIAL GREASE GUN „ELITE K9“

Spring operated grease supply into the grease gun head



- 1 Grease gun connection, pressure side G 1/8" or M 10 x 1 utilizing a steel connector
- 2 Filling nipple M 10 x 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



- 1 Grease gun connection, pressure side M 10 x 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

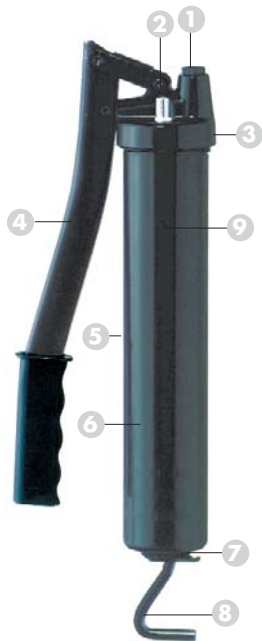


- 1 Oil gun connection, pressure side M 10 x 1
- 2 ———
- 3 Diameter of piston for oil supply: 9 mm
- 4 Oil supply lever operated
- 5 Wall thickness of oil gun tube: 1,0 mm
- 6 Lacquered silver
- 7 Screwed-on sealing cap
- 8 ———
- 9 Capacity: 500 cm³

Grease Gun Programme

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 x 1
utilizing a steel connector
- 2** Filling nipple M 10 x 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

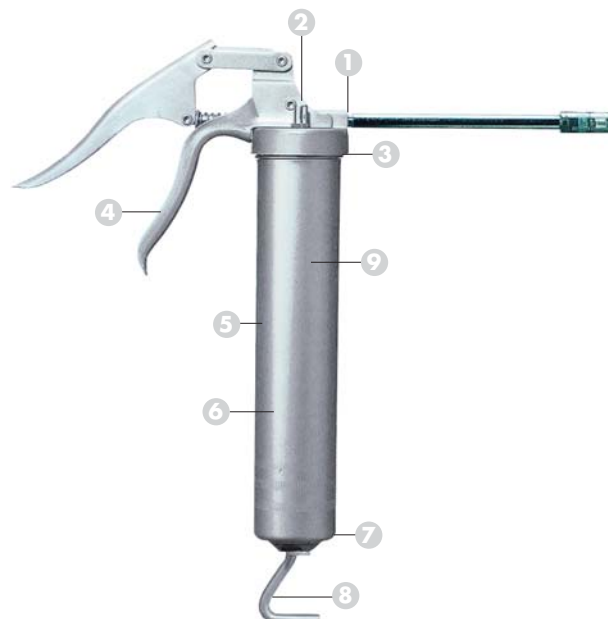
Spring operated grease supply into the grease gun head



- 1** Grease gun connection, pressure side
G 1/8" or M 10 x 1
utilizing a steel connector
- 2** Filling nipple M 10 x 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

Spring operated grease supply into the grease gun head



- 1** Grease gun connection, pressure side
G 1/8" or M 10 x 1
- 2** Filling nipple M 10 x 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 x 1
- 2** With or without filling nipple M 10 x 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 or 1.0 mm
- 6** Lacquered grafite grey or silver
- 7** Loose or fixed plunger end cap
- 8** T-grip or L-grip
- 9** Capacity: 300 cm³, 500 cm³, 750 cm³ or 1000 cm³

AIR OPERATED GREASE GUN, DLFP

Spring operated grease supply into the grease gun head



- 1** Grease gun connection, pressure side M 10 x 1
- 2** With or without filling nipple M 10 x 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 grafite 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

Grease guns and Accessories

PNEUMA_{xx}, PERMANENT MANUALLY AIR PRESSURIZED GREASE SUPPLY INTO THE GREASE GUN HEAD

PNEUMA_{xx}, HHFP (LEVER OPERATED GREASE GUNS)

Technical data

Application:	to suit high viscosity greases up to NLGI 3, at a grease temperature until -10 °C
Grease supply into the grease gun head:	manually air pressurized
Supply pressure (load pressure into grease gun head):	4 bar
Grease supply (load pressure):	manually air pressurized
Pressure relief (load pressure):	overpressure and pressure relieve valve
Diameter of piston:	8 mm
Actuation grease piston:	manually lever operated
Delivery rate / stroke:	1,2 cm ³
Discharge pressure:	up to 400 bar
Grease gun connection, pressure-side through a steel adapto:	M 10 x 1
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Capacity:	500 cm ³
Filling nipple and ventilating valve:	M 10 x 1
Loading:	400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease
Wall thickness of grease gun tube:	1,5 mm
Lacquering:	grease gun body RAL 7040, window grey satin, manual pump Pantone 294c, blue satin
Package:	Sales package, with bar code
Dimensions of package LWH (mm):	530 x 170 x 75

Note

- Suitable for any high performance lubricants for industrial use and stiffest BIO greases up to NLGI 3, at a grease temperature until -10 °C
- Pneumatic delivery of grease to the gun head using 4 bar air pressure
- Traditional compression spring based operation is replaced by a pneumatic (manually air pressurized) system, operating problems are reduced to a minimum, no grease can get behind the plunger
- Due to overpressure- and pressure relief valves the grease gun can be stored pressure-free
- Low effort required for lubrication due to optimum lever operational efficiency
- Performance unchanged after 5000 actuating cycles
- Precision accuracy of fit of pump piston and cylinder (no false lubrication)
- Separate filling and ventilation valve in grease gun head
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Slip resistant handle on grease gun lever

Article no.

PNEUMA_{xx} HHFP
connection, ZBH, M 10 x 1

12 824

PNEUMA_{xx} HHFP
connection, ZBH, G 1/8"

12 824 125



12 824

Specification

- With 1 high pressure hose, M 10 x 1, 11 x 300 mm
- With 1 spout, angled, M 10 x 1, 150 mm
- With 2 precision machined hydraulic couplers, 4 jaws, M 10 x 1

PNEUMA_{xx} HHFP, with accessories
connection, ZBH, M 10 x 1

12 826

Specification

- With 1 high pressure hose, G 1/8", 11 x 300mm
- With 1 spout, straight, G 1/8", 150 mm
- With 2 precision machined hydraulic couplers, 4 jaws, G 1/8"

PNEUMA_{xx} HHFP, with accessories
connection, ZBH, G 1/8"

12 826 125



12 826

Grease guns and Accessories

PNEUMA_{xx}, EHFP (ONE HAND OPERATED GREASE GUNS)

Technical data

Application:	for processing of lubricant greases, up to NLGI 3, grease temperature up to -10 °C
Grease supply into the grease gun head:	manually air pressurized
Supply pressure (load pressure into grease gun head):	4 bar
Grease supply (load pressure):	manually air pressurized
Pressure relief (load pressure):	overpressure and pressure relieve valve
Diameter of piston:	8 mm
Actuation grease piston:	manual, by means of pressure grip
Delivery rate / stroke:	0,8 cm ³
Discharge pressure:	up to 260 bar
Grease gun connection, pressure-side through a steel adaptor:	M 10 x 1
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Capacity:	500 cm ³
Filling nipple and ventilating valve:	M 10 x 1
Loading:	400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease
Wall thickness of grease gun tube:	1,5 mm
Lacquering:	grease gun body RAL 7040, window grey satin, manual pump Pantone 294c, blue satin
Package:	Sales package, with bar code
Dimensions of package LWH (mm):	530 x 170 x 75

Note

- Suitable for any high performance lubricants for industrial use and stiffest BIO greases up to NLGI 3, at a grease temperature until -10 °C
- Pneumatic delivery of grease to the gun head using 4 bar air pressure
- Traditional compression spring based operation is replaced by a pneumatic (manually air pressurized) system, operating problems are reduced to a minimum, no grease can get behind the plunger
- Due to overpressure- and pressure relief valves the grease gun can be stored pressure-free
- Low effort required for lubrication due to optimum lever operational efficiency
- Performance unchanged after 5000 actuating cycles
- Precision accuracy of fit of pump piston and cylinder (no false lubrication)
- Separate filling and ventilation valve in grease gun head
- High-speed ventilation, by half a rotation of the grease gun tube
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls

Article no.

Specification

- With 1 high pressure hose, M 10 x 1, 11 x 300 mm
- With 1 spout, straight, M 10 x 1, 150 mm
- With 2 precision machined hydraulic couplers, 4 jaws, M 10 x 1

PNEUMAxx EHFP, with accessories
connection, ZBH, M 10 x 1

12 282



12 282

Specification

- With 1 high pressure hose, G 1/8", 11 x 300 mm
- With 1 spout, straight, G 1/8", 150 mm
- With 2 precision machined hydraulic couplers, 4 jaws, G 1/8"

PNEUMAxx EHFP, with accessories
connection, ZBH, G 1/8"

12 282 125



12 282 125

i

Grease guns and Accessories

PNEUMA_{xx}, DLFP (AIR OPERATED GREASE GUNS)

Technical data

Application:	to suit high viscosity greases up to NLGI 3, at a grease temperature to -10 °C
Grease supply into the grease gun head:	manually air pressurized
Supply pressure (load pressure into grease gun head):	4 bar
Grease supply (load pressure):	manually air pressurized
Pressure relief (load pressure):	overpressure and pressure relieve valve
Diameter of piston:	6 mm
Actuation grease piston:	air operated providing a continuous grease flow
Delivery rate / stroke:	0,8 cm ³
Operating air pressure (recommended):	6 bar
Pressure ratio:	50:1
Minimum pressure (compressed air operation):	2 bar
Maximum air pressure (compressed air operation):	8 bar
Compressed air connection:	female Rectus quick release airline connector, type 26
Capacity:	500 cm ³
Filling nipple and ventilating valve:	M 10 x 1
Operating pressure:	100 up to 400 bar
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Grease gun connection, pressure-side through a steel adaptor:	M 10 x 1
Loading:	400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease
Wall thickness of grease gun tube:	1,5 mm
Lacquering:	grease gun body RAL 7040, window grey satin, manual pump Pantone 294c, blue satin
Package:	Sales package, with bar code
Dimensions of package LWH (mm):	530 x 170 x 75

Note

- Suitable for any high performance lubricants for industrial use and stiffest BIO greases up to NLGI 3, at a grease temperature until -10 °C
- Pneumatic delivery of grease to the gun head using 4 bar air pressure
- Traditional compression spring based operation is replaced by a pneumatic (manually air pressurized) system, operating problems are reduced to a minimum, no grease can get behind the plunger
- Due to overpressure- and pressure relief valves the grease gun can be stored pressure-free
- Performance unchanged after 5000 actuating cycles
- Precision accuracy of fit of pump piston and cylinder (no false lubrication)
- Separate filling and ventilation valve in grease gun head
- High-speed ventilation, by half a rotation of the grease gun tube
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls

Specification	PNEUMAxx DLFP, with accessories connection, ZBH, M 10 x 1	Article no.
<ul style="list-style-type: none"> • With 1 high pressure hose, M 10 x 1, 11 x 300 mm • With 1 spout, straight, M 10 x 1 • With 2 precision machined hydraulic couplers, 4 jaws, M 10 x 1 • With suspension eye 		18 066
Specification	PNEUMAxx DLFP, with accessories connection, ZBH, G 1/8"	18 066 125
<ul style="list-style-type: none"> • With 1 high pressure hose, G 1/8", 11 x 300 mm • With 1 spout, straight, G 1/8", 150 mm • With 2 precision machined hydraulic couplers, 4 jaws, G 1/8" • With suspension eye 		



18 066

ACCESSORIES FOR PNEUMAxx GREASE GUNS

Technical data	Adapter for PNEUMAxx and industry grease guns	12 091
<p>Material: Aluminium</p> <p>Diameter: 53,6 mm</p> <p>Length: 31,5 mm</p>		
Specification		
<ul style="list-style-type: none"> • For all PNEUMAxx and industry grease guns • The adapter has to be mounted between PNEUMAxx grease gun tube and PNEUMAxx grease gun head to screw in 400 g screw-in cartridges (length incl. threads 250 mm - Ø 53 mm) • Using industry grease guns the adapter shall be mounted between grease gun tube and grease gun head. In this case the plunger will not be in use and 400 g screw-in cartridges (length incl. connecting threads 250 mm-Ø 53 mm) can be screwed in. The grease gun tube is needed for protection only • Using an industry grease gun mounting of filling nipple (12 672) is requested • When operating the grease gun lever of an industry gun grease gun grease will be sucked into the grease gun head by a vacuum created by operation. 		
Technical data	Follower piston for cartridges acc. to DIN 1284	12 094
<p>Material: PVC</p> <p>Diameter: 52,5 mm</p> <p>Length: 13,4 mm</p>		
Specification		
<ul style="list-style-type: none"> • For all PNEUMAxx grease guns 		



12 091



12 094

Grease guns and Accessories

INDUSTRIAL GREASE GUN „ELITE K9“, SPRING OPERATED GREASE SUPPLY INTO THE GREASE GUN HEAD

INDUSTRIAL GREASE GUN „ELITE K9“, HHFP (LEVER OPERATED GREASE GUN)

Technical data

Diameter of piston:	9 mm
Actuation grease piston:	manually lever operated
Delivery rate / stroke:	proportional to the manual lever operating distance, max. 1,4 cm ³
Discharge pressure:	up to 400 bar
Grease gun connection, pressure-side through a steel adaptor:	M 10 x 1, G 1/8"
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Filling nipple and ventilating valve:	M 10 x 1
Loading:	400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease
Operation of plunger rod:	with T-grip
Sealing cover:	loose
Wall thickness of grease gun tube:	1,5 mm
Surface treatment:	all steel components are galvanized
Package:	Sales package, with bar code

Note

- Suitable for greases up to NLGI 2
- Designed to be utilised under rough conditions, wall thickness grease gun tube: 1,5 mm
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Acc. to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- No dummy (apparent) lubrication. Sealing system: O-ring and ball valve prevent grease compressed in the grease gun head from feeding back
- Performance unchanged after 5000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- The ergonomic handle of the plunger rod assists in overcoming the spring load
- Slip resistant handle on grease gun lever
- Enables even under extreme backpressure, a variable lubrication pressure with steady effort applied
- Allows lubrication in difficult to reach locations because the smallest lever operation results in grease being pumped reliably to the lubrication point
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- Separate filling and ventilation valve in grease gun head
- High-speed ventilation, by half a rotation of the grease gun tube

Article no.

»Posi Lok«

Variable Stroke System

Specification

- With retention adapter, M 10 x 1 male on G 1/8" female

Industrial grease gun "Elite", HHFP
 connection M 10 x 1, G 1/8"
 Capacity: 500 cm³
 Dimensions of package LWH (mm):
 400 x 170 x 75

12 676



12 676

»Posi Lok«

Variable Stroke System

Specification

- With 1 high pressure hose, G 1/8", 11 x 300 mm
- With 1 spout, angled, G 1/8", 150 mm
- With 2 precision machined hydraulic couplers, 4 jaws, G 1/8"

Industrial grease gun "Elite", HHFP
 with ZBH, connection G 1/8"
 Capacity: 500 cm³
 Dimensions of package LWH (mm):
 400 x 170 x 75

12 676 040



12 676 040

»Posi Lok«

Variable Stroke System

Specification

- With retention adapter, M 10 x 1 male on G 1/8" female

Industrial grease gun "Elite", HHFP
 connection M 10 x 1, G 1/8"
 Capacity: 750 cm³
 Dimensions of package LWH (mm):
 530 x 170 x 75

12 678



12 678

Grease guns and Accessories

INDUSTRIAL GREASE GUN 1, SPRING OPERATED GREASE SUPPLY INTO THE GREASE GUN HEAD

INDUSTRIAL GREASE GUN 1, HHFP (LEVER OPERATED GREASE GUN), GALVANIZED

Technical data

Diameter of piston:	9 mm
Actuation grease piston:	manually lever operated
Delivery rate / stroke:	proportional to the manual lever operating distance, max. 1,4 cm ³
Discharge pressure:	up to 400 bar
Grease gun connection, pressure-side through a steel adaptor:	M 10 x 1
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Capacity:	500 cm ³
Filling nipple and ventilating valve:	M 10 x 1
Loading:	400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease
Operation of plunger rod:	with L-design handle
Sealing cover:	loose
Wall thickness of grease gun tube:	1,0 mm
Surface treatment:	all steel components are galvanized
Package:	Sales package, with bar code
Dimensions of package LWH (mm):	400 x 140 x 75

Note

- Suitable for greases up to NLGI 2
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Acc. to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- No dummy (apparent) lubrication. Sealing system: O-ring and ball valve prevent grease compressed in the grease gun head from feeding back
- Performance unchanged after 5000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Safe handle on the plunger rod
- Slip resistant handle on grease gun lever
- Enables even under extreme backpressure, a variable lubrication pressure with steady effort applied
- Allows lubrication in difficult to reach locations because the smallest lever operation results in grease being pumped reliably to the lubrication point
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- Separate filling and ventilation valve in grease gun head
- High-speed ventilation, by half a rotation of the grease gun tube

Article no.

»Posi Lok«

Variable Stroke System

Industrial grease gun 1, HHFP
connection M 10 x 1

12 637

Industrial grease gun 1, HHFP
connection, G 1/8"

12 637 125

»Posi Lok«

Variable Stroke System

Industrial grease gun 1, HHFP
connection M 10 x 1

12 637 101

Specification

- With 1 high pressure hose, M 10 x 1, 11 x 300 mm
- With 1 coupler, 4 jaws, M 10 x 1



12 637



12 637 101

Grease guns and Accessories

INDUSTRIAL GREASE GUN 1, HHFP (LEVER OPERATED GREASE GUN), BLACK PAINTED

Technical data

Diameter of piston:	9 mm
Actuation grease piston:	manually lever operated
Delivery rate / stroke:	proportional to the manual lever operating distance, max. 1,4 cm ³
Discharge pressure:	up to 400 bar
Grease gun connection, pressure-side through a steel adaptor:	M 10 x 1
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Capacity:	500 cm ³
Filling nipple and ventilating valve:	M 10 x 1
Operation of plunger rod:	with L-design handle
Sealing cover:	loose
Wall thickness of grease gun tube:	1,0 mm
Lacquering:	black
Package:	Sales package, with bar code
Dimensions of package LWH (mm):	400 x 140 x 75

Note

- Suitable for greases up to NLGI 2
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Acc. to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- No dummy (apparent) lubrication. Sealing system: O-ring and ball valve prevent grease compressed in the grease gun head from feeding back
- Performance unchanged after 5000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Safe handle on the plunger rod
- Slip resistant handle on grease gun lever
- Enables even under extreme backpressure, a variable lubrication pressure with steady effort applied
- Allows lubrication in difficult to reach locations because the smallest lever operation results in grease being pumped reliably to the lubrication point
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- Separate filling and ventilation valve in grease gun head
- High-speed ventilation, by half a rotation of the grease gun tube

			Article no.
»Posi Lok«	Variable Stroke System	4-Way load grease gun 1, HHFP M 10 x 1 for 400 g standard- and 400 g screw-in cartridges	12 614
Specification • With adapter for screw-in cartridges (length incl. threads 250 mm – Ø 53 mm)			
»Posi Lok«	Variable Stroke System	Grease gun 400 g Standard and 500 g screw-in cartridges	12 616
»Posi Lok«	Variable Stroke System	Industrial grease gun 1, HHFP connection M 10 x 1 Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease	12 636
		Industrial grease gun 1, HHFP connection, G 1/8" Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease	12 636 125
	Variable Stroke System	Industrial grease gun 1, HHFP connection M 10 x 1 Loading: grease gun filling system or bulk grease	12 836
Technical data Plunger: special plunger, for bulk grease			
		Industrial grease gun 1, HHFP connection, G 1/8" Loading: grease gun filling system or bulk grease	12 836 125



12 614



12 616



12 636

Grease guns and Accessories



12 636 102



12 636 101

Article no.

INDUSTRIAL GREASE GUN 1, HHFP (LEVER OPERATED GREASE GUN), BLACK PAINTED

12 636 100

Industrial grease gun 1, HHFP
with ZBH, connection M 10 x 1
Loading:
400 g grease cartridge,
DIN 1284, grease gun filling
system or bulk grease

»Posi Lok«

Variable Stroke
System

Specification

- With 1 spout, angled, M 10 x 1, 150 mm
- With 1 coupler, 4 jaws, M 10 x 1

12 636 102

Industrial grease gun 1, HHFP
with ZBH, connection G 1/8"
Loading:
400 g grease cartridge,
DIN 1284, grease gun filling
system or bulk grease

»Posi Lok«

Variable Stroke
System

Specification

- With 1 spout, angled, G 1/8", 150 mm
- With 1 coupler, 4 jaws, G 1/8"

12 636 101

Industrial grease gun 1, HHFP
with ZBH, connection M 10 x 1
Loading:
400 g grease cartridge,
DIN 1284, grease gun filling
system or bulk grease

»Posi Lok«

Variable Stroke
System

Specification

- With 1 high pressure hose, M 10 x 1, 11 x 300 mm
- With 1 coupler, 4 jaws, M 10 x 1

12 636 103

Industrial grease gun 1, HHFP
with ZBH, connection G 1/8"
Loading:
400 g grease cartridge,
DIN 1284, grease gun filling
system or bulk grease

»Posi Lok«

Variable Stroke
System

Specification

- With 1 high pressure hose, G 1/8", 11 x 300 mm
- With 1 coupler, 4 jaws, G 1/8"

Article no.

»Posi Lok«

Variable Stroke System

Specification

- With 1 high pressure hose, G 1/8", 11 x 300 mm
- With 1 spout, angled, G 1/8", 150 mm
- With 2 hydraulic couplers, 4 jaws, G 1/8"

Industrial grease gun 1, HHFP
with ZBH, connection G 1/8"
Loading:
400 g grease cartridge,
DIN 1284, grease gun filling
system or bulk grease

12 736 128



12 736 128

Grease guns and Accessories

INDUSTRIAL GREASE GUN 2, SPRING OPERATED GREASE SUPPLY INTO THE GREASE GUN HEAD

INDUSTRIAL GREASE GUN 2, HHFP (LEVER OPERATED GREASE GUN), SEALING COVER LOOSE

Technical data

Diameter of piston:	9 mm
Actuation grease piston:	manually lever operated
Delivery rate / stroke:	proportional to the manual lever operating distance, max. 1,4 cm ³
Discharge pressure:	up to 400 bar
Grease gun connection, pressure-side through a steel adaptor:	M 10 x 1
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Capacity:	500 cm ³
Filling nipple and ventilating valve:	M 10 x 1
Loading:	400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease
Operation of plunger rod:	with T-grip
Sealing cover:	loose
Wall thickness of grease gun tube:	1,5 mm
Lacquering:	graphite-grey
Package:	Sales package, with bar code
Dimensions of package LWH (mm):	400 x 140 x 75

Note

- Suitable for greases up to NLGI 2
- Designed to be utilised under rough conditions, wall thickness grease gun tube: 1,5 mm
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Acc. to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- No dummy (apparent) lubrication. Sealing system: O-ring and ball valve prevent grease compressed in the grease gun head from feeding back
- Performance unchanged after 5000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Slip resistant handle on grease gun lever
- The ergonomic handle of the plunger rod assists in overcoming the spring load
- Enables even under extreme backpressure, a variable lubrication pressure with steady effort applied
- Allows lubrication in difficult to reach locations because the smallest lever operation results in grease being pumped reliably to the lubrication point
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- Separate filling and ventilation valve in grease gun head
- High-speed ventilation, by half a rotation of the grease gun tube

			Article no.
»Posi Lok«	Variable Stroke System	Industrial grease gun 2, HHFP connection M 10 x 1 Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease	12 695
Technical data Plunger: special plunger, for bulk grease	Variable Stroke System	Industrial grease gun 2, HHFP connection M 10 x 1 Loading: grease gun filling system or bulk grease	12 839
»Posi Lok«	Variable Stroke System	Industrial grease gun 2, HHFP with ZBH, connection M 10 x 1 Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease	12 675
Specification • With 1 spout, angled, M 10 x 1, 150 mm • With 1 precision machined coupler, 4 jaws, M 10 x 1	Variable Stroke System	Industrial grease gun 2, HHFP ZBH connector G 1/8" Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease	12 675 125
»Posi Lok«	Variable Stroke System	Industrial grease gun 2, HHFP with ZBH, connection M 10 x 1 Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease	12 679
Specification • With 1 high pressure hose, M 10 x 1, 11 x 300 mm • With 1 precision machined coupler, 4 jaws, M 10 x 1	Variable Stroke System	Industrial grease gun 2, HHFP with ZBH, connection M 10 x 1 Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease	12 698
Specification • With 1 high pressure hose, M 10 x 1, 11 x 300 mm • With 1 spout, angled, M 10 x 1, 150 mm • With 2 precision machined hydraulic couplers, 4 jaws, M 10 x 1	Variable Stroke System	Industrial grease gun 2, HHFP with ZBH, connection G 1/8" Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease	12 698 125
»Posi Lok«	Variable Stroke System	Industrial grease gun 2, HHFP with ZBH, connection G 1/8" Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease	12 698 125
Specification • With 1 high pressure hose, G 1/8", 11 x 300 mm • With 1 nozzle, angled G 1/8", 150 mm • With 2 precision machined couplers, 4 BA, G 1/8"	Variable Stroke System	Industrial grease gun 2, HHFP with ZBH, connection G 1/8" Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease	12 698 125



12 695



12 675

12 679



12 698

Grease guns and Accessories

INDUSTRIAL GREASE GUN 2, HHFP (LEVER OPERATED GREASE GUN), SEALING COVER FIXED, IN POLYBAG

Technical data

Diameter of piston:	9 mm
Actuation grease piston:	manually lever operated
Delivery rate / stroke:	proportional to the manual lever operating distance, max. 1,4 cm ³
Discharge pressure:	up to 400 bar
Grease gun connection, pressure-side through a steel adaptor:	M 10 x 1
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
ventilating valve:	M 10 x 1
Operation of plunger rod:	with T-grip
Sealing cover:	fixed
Wall thickness of grease gun tube:	1,5 mm
Lacquering:	graphite-grey
Package:	polybag, blank

Note

- Suitable for greases up to NLGI 2
- Designed to be utilised under rough conditions, wall thickness grease gun tube: 1,5 mm
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Acc. to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- No dummy (apparent) lubrication. Sealing system: O-ring and ball valve prevent grease compressed in the grease gun head from feeding back
- Performance unchanged after 5000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Slip resistant handle on grease gun lever
- The ergonomic handle of the plunger rod assists in overcoming the spring load
- Enables even under extreme backpressure, a variable lubrication pressure with steady effort applied
- Allows lubrication in difficult to reach locations because the smallest lever operation results in grease being pumped reliably to the lubrication point
- Fixed cap, with clamp
- Separate filling and ventilation valve in grease gun head
- High-speed ventilation, by half a rotation of the grease gun tube

Variable Stroke System

Industrial grease gun 2, HHFP

connection M 10 x 1

Capacity: 300 cm³

Loading:

grease gun filling system

or bulk grease

Dimensions of package LWH (mm):

310 x 125 x 70

Article no.

12 684 780



12 684 780

Industrial grease gun 2, HHFP

connection M 10 x 1

Capacity: 500 cm³

Loading:

400 g grease cartridge,

DIN 1284, grease gun filling

system or bulk grease

Dimensions of package LWH (mm):

380 x 125 x 70

12 638 780



12 638 780

Grease guns and Accessories



12 685 780

Article no. **INDUSTRIAL GREASE GUN 2, HHFP (LEVER OPERATED GREASE GUN), SEALING COVER FIXED, IN POLYBAG**

12 685 780 Industrial grease gun 2, HHFP
 connection M 10 x 1
 Capacity: 750 cm³
 Loading:
 400 g and 500 g grease cartridges,
 DIN 1284, grease gun filling
 system or bulk grease
 Dimensions of package LWH (mm):
 510 x 125 x 70

**Variable Stroke
System**

12 685 790 Industrial grease gun 2, HHFP
 connection, G 1/8"
 Capacity: 750 cm³
 Loading:
 400 g and 500 g grease cartridges,
 DIN 1284, grease gun filling
 system or bulk grease
 Dimensions of package LWH (mm):
 510 x 125 x 70



12 685 783

12 685 783 Industrial grease gun 2, HHFP
 with ZBH, connection M 10 x 1
 Capacity: 750 cm³
 Loading:
 400 g and 500 g grease cartridges,
 DIN 1284, grease gun filling
 system or bulk grease
 Dimensions of package LWH (mm):
 510 x 125 x 70

Specification

- With 1 high pressure hose, M 10 x 1, 11 x 300 mm
- With 1 precision machined coupler, 4 jaws, M 10 x 1

**Variable Stroke
System**

Industrial grease gun 2, HHFP

connection M 10 x 1
Capacity: 1000 cm³
Loading:
400 g and 500 g grease cartridges,
DIN 1284, grease gun filling
system or bulk grease
Dimensions of package LWH (mm):
600 x 125 x 70

Article no.

12 686 780

Industrial grease gun 2, HHFP

connection G 1/8"
Capacity: 1000 cm³
Loading:
400 g and 500 g grease cartridges,
DIN 1284, grease gun filling
system or bulk grease
Dimensions of package LWH (mm):
600 x 125 x 70

12 686 790



12 686 780

Grease guns and Accessories

INDUSTRIAL GREASE GUN 2, HHFP (LEVER OPERATED GREASE GUN), SEALING COVER FIXED, IN SALES PACKAGE

Technical data

Diameter of piston:	9 mm
Actuation grease piston:	manually lever operated
Delivery rate / stroke:	proportional to the manual lever operating distance, max. 1,4 cm ³
Discharge pressure:	up to 400 bar
Grease gun connection, pressure-side through a steel adaptor:	G 1/8"
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Filling nipple and ventilating valve:	M 10 x 1
Operation of plunger rod:	with T-grip
Sealing cover:	fixed
Wall thickness of grease gun tube:	1,5 mm
Lacquering:	graphite-grey

Note

- Suitable for greases up to NLGI 2
- Designed to be utilised under rough conditions, wall thickness grease gun tube: 1,5 mm
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Acc. to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- No dummy (apparent) lubrication. Sealing system: O-ring and ball valve prevent grease compressed in the grease gun head from feeding back
- Performance unchanged after 5000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Slip resistant handle on grease gun lever
- The ergonomic handle of the plunger rod assists in overcoming the spring load
- Enables even under extreme backpressure, a variable lubrication pressure with steady effort applied
- Allows lubrication in difficult to reach locations because the smallest lever operation results in grease being pumped reliably to the lubrication point
- Fixed cap, with clamp
- Separate filling and ventilation valve in grease gun head
- High-speed ventilation, by half a rotation of the grease gun tube

Industrial grease gun 2, HHFP

connection, G 1/8"
 Capacity: 300 cm³
 Loading:
 grease gun filling system
 or bulk grease
 Dimensions of package LWH (mm):
 400 x 140 x 75

12 684 790

Industrial grease gun 2, HHFP

connection, G 1/8"
 Capacity: 500 cm³
 Loading:
 400 g grease cartridge, DIN 1284,
 grease gun filling system or bulk grease
 Dimensions of package LWH (mm):
 400 x 140 x 75

12 638 790



12 684 790

Specification

- With 1 spout, angled, M 10 x 1, 150 mm
- With 1 coupler, 4 jaws, M 10 x 1

Industrial grease gun 2, HHFP

connection M 10 x 1
 Capacity: 500 cm³
 Loading:
 400 g grease cartridge, DIN 1284,
 grease gun filling system or bulk grease
 Dimensions of package LWH (mm):
 400 x 140 x 75

12 638 778

Specification

- With 1 spout, angled, G 1/8", 150 mm
- With 1 precision machined coupler, 4 BA G1/8"

Industrial grease gun 2, HHFP

with ZBH, connection G 1/8"
 Capacity: 500 cm³
 Loading:
 400 g grease cartridge, DIN 1284,
 grease gun filling system or bulk grease
 Dimensions of package LWH (mm):
 400 x 140 x 75

12 638 793



12 638 793

Specification

- With 1 high pressure hose, G 1/8", 11 x 300 mm
- With 1 precision machined coupler, 4 jaws, G 1/8"

Industrial grease gun 2, HHFP

with ZBH, connection G 1/8"
 Capacity: 500 cm³
 Loading:
 400 g grease cartridge, DIN 1284,
 grease gun filling system or bulk grease
 Dimensions of package LWH (mm):
 400 x 140 x 75

12 638 794

Grease guns and Accessories

STANDARD GREASE GUN, SPRING OPERATED GREASE SUPPLY INTO THE GREASE GUN HEAD

STANDARD GREASE GUN, HHFP (LEVER OPERATED GREASE GUN), SEALING COVER LOOSE,
1,5 MM WALL THICKNESS

Technical data

Diameter of piston:	8 mm
Actuation grease piston:	manually lever operated
Delivery rate / stroke:	1,2 cm ³ , at a counter-pressure of 400 bar
Discharge pressure:	up to 400 bar
Grease gun connection, pressure-side:	M 10 x 1
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Capacity:	500 cm ³
Loading:	400 g grease cartridge, DIN 1284, or bulk grease
Operation of plunger rod:	with L-design handle
Sealing cover:	loose
Wall thickness of grease gun tube:	1,5 mm
Lacquering:	silver
Package:	polybag, printed, with bar code
Dimensions of package LWH (mm):	380 x 125 x 70

Note

- Suitable for greases up to NLGI 2
- Designed to be utilised under rough conditions, wall thickness grease gun tube: 1,5 mm
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Acc. to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 5000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Safe handle on the plunger rod
- Slip resistant handle on grease gun lever
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- Low effort required for lubrication due to optimum lever operational efficiency
- High-speed ventilation, by half a rotation of the grease gun tube

Article no.

Standard grease gun, HHFP
connection M 10 x 1

12 538

Standard grease gun, HHFP
connection G 1/8"

12 538 125



12 538

i

Grease guns and Accessories

STANDARD GREASE GUN, HHFP (LEVER OPERATED GREASE GUN), IN POLYBAG, SEALING COVER LOOSE, 1,0 MM WALL THICKNESS

Technical data

Diameter of piston:	8 mm
Actuation grease piston:	manually lever operated
Delivery rate / stroke:	1,2 cm ³ , at a counter-pressure of 400 bar
Discharge pressure:	up to 400 bar
Grease gun connection, pressure-side:	M 10 x 1
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Capacity:	500 cm ³
Operation of plunger rod:	with L-design handle
Sealing cover:	loose
Wall thickness of grease gun tube:	1,0 mm
Lacquering:	silver
Package:	polybag, printed, with bar code
Dimensions of package LWH (mm):	380 x 125 x 70

Note

- Suitable for greases up to NLGI 2
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Acc. to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 5000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Safe handle on the plunger rod
- Slip resistant handle on grease gun lever
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- Low effort required for lubrication due to optimum lever operational efficiency
- High-speed ventilation, by half a rotation of the grease gun tube

Article no.

Standard grease gun, HHFP
 connection M 10 x 1
 Loading:
 400 g grease cartridge, DIN 1284,
 or bulk grease

12 638

Standard grease gun, HHFP
 connection G 1/8"
 Loading:
 400 g grease cartridge, DIN 1284,
 or bulk grease

12 638 125



12 638

Technical data

Grease gun connection,
 pressure-side: M 10 x 1
 Plunger: special plunger,
 for bulk grease

Standard grease gun, HHFP
 connection M 10 x 1
 Loading:
 grease gun filling system
 or bulk grease

12 838

Note

- Separate filling and ventilation valve in grease gun head

Standard grease gun, HHFP
 connection G 1/8"
 Loading:
 grease gun filling system
 or bulk grease

12 838 125



12 838

Grease guns and Accessories



12 630



12 632

Article no.	STANDARD GREASE GUN, HHFP (LEVER OPERATED GREASE GUN), IN POLYBAG, SEALING COVER LOOSE, 1,0 MM WALL THICKNESS	
12 630	<p>Standard grease gun, HHFP with ZBH, connection M 10 x 1 Loading: 400 g grease cartridge, DIN 1284, or bulk grease</p>	<p>Specification</p> <ul style="list-style-type: none"> • With 1 high pressure hose, M 10 x 1, 8 x 300 mm • With 1 coupler, 4 jaws, M 10 x 1
12 630 125	<p>Standard grease gun, HHFP with ZBH, connection G 1/8" Loading: 400 g grease cartridge, DIN 1284, or bulk grease</p>	<p>Specification</p> <ul style="list-style-type: none"> • With 1 high pressure hose, G 1/8", 8 x 300 mm • With 1 coupler, 4 jaws, G 1/8"
12 630 950	<p>Standard grease gun, HHFP with ZBH, connection M 10 x 1 Loading: 400 g grease cartridge, DIN 1284, or bulk grease</p>	<p>Specification</p> <ul style="list-style-type: none"> • with 1 high pressure hose, M 10 x 1, 8 x 500 mm • With 1 coupler, 4 jaws, M 10 x 1
12 632	<p>Standard grease gun, HHFP with ZBH, connection M 10 x 1 Loading: 400 g grease cartridge, DIN 1284, or bulk grease</p>	<p>Specification</p> <ul style="list-style-type: none"> • With 1 spout, angled, M 10 x 1, 150 mm • With 1 coupler, 4 jaws, M 10 x 1
12 632 125	<p>Standard grease gun, HHFP with ZBH, connection G 1/8" Loading: 400 g grease cartridge, DIN 1284, or bulk grease</p>	<p>Specification</p> <ul style="list-style-type: none"> • With 1 spout, angled, G 1/8", 150 mm • With 1 coupler, 4 jaws, G 1/8"

Article no.

Technical data

Filling nipple and ventilating valve: M 10 x 1

Note

- Separate filling and ventilation valve in grease gun head

Specification

- With 1 spout, angled, M 10 x 1, 150 mm
- With 1 coupler, 4 jaws, M 10 x 1

Standard grease gun, HHFP

with ZBH, connection M 10 x 1

Loading:

400 g grease cartridge, DIN 1284, grease filling system or bulk grease

12 632 950



12 632 950

Grease guns and Accessories

STANDARD GREASE GUN, HHFP (LEVER OPERATED GREASE GUN), IN SALES PACKAGE, SEALING COVER LOOSE, 1,0 MM WALL THICKNESS

Technical data

Diameter of piston:	8 mm
Actuation grease piston:	manually lever operated
Delivery rate / stroke:	1,2 cm ³ , at a counter-pressure of 400 bar
Discharge pressure:	up to 400 bar
Grease gun connection, pressure-side:	M 10 x 1
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Capacity:	500 cm ³
Operation of plunger rod:	with L-design handle
Sealing cover:	loose
Wall thickness of grease gun tube:	1,0 mm
Lacquering:	silver
Package:	Sales package, with bar code
Dimensions of package LWH (mm):	400 x 140 x 75

Note

- Suitable for greases up to NLGI 2
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Acc. to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 5000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Safe handle on the plunger rod
- Slip resistant handle on grease gun lever
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- Low effort required for lubrication due to optimum lever operational efficiency
- High-speed ventilation, by half a rotation of the grease gun tube

<p>Specification</p>	<p>Standard grease gun, HHFP</p>	<p>Article no.</p>
<ul style="list-style-type: none"> • With 1 high pressure hose, M 10 x 1, 8 x 300 mm • With 1 coupler, 4 jaws, M 10 x 1 	<p>with ZBH, connection M 10 x 1 Loading: 400 g grease cartridge, DIN 1284, or bulk grease</p>	<p>12 633</p>
<p>Specification</p>	<p>Standard grease gun, HHFP</p>	<p>12 633 125</p>
<ul style="list-style-type: none"> • With 1 high pressure hose, G 1/8", 8 x 300 mm • With 1 coupler, 4 jaws, G 1/8" 	<p>with ZBH, connection G 1/8" Loading: 400 g grease cartridge, DIN 1284, or bulk grease</p>	
<p>»Posi Lok«</p>	<p>Standard grease gun, HHFP</p>	<p>12 633 950</p>
<p>Technical data</p>	<p>with ZBH, connection M 10 x 1</p>	
<p>Filling nipple and ventilating valve: M 10 x 1</p>	<p>Loading: 400 g grease cartridge, DIN 1284, grease filling system or bulk grease</p>	
<p>Note</p>		
<ul style="list-style-type: none"> • Separate filling and ventilation valve in grease gun head 		
<p>Specification</p>		
<ul style="list-style-type: none"> • With 1 high pressure hose, M 10 x 1, 8 x 300 mm • With 1 coupler, 4 jaws, M 10 x 1 		
<p>»Posi Lok«</p>	<p>Standard grease gun, HHFP</p>	<p>12 733 804</p>
<p>Technical data</p>	<p>with ZBH, connection G 1/8"</p>	
<p>Filling nipple and ventilating valve: M 10 x 1</p>	<p>Loading: 400 g grease cartridge, DIN 1284, grease filling system or bulk grease</p>	
<p>Note</p>		
<ul style="list-style-type: none"> • Separate filling and ventilation valve in grease gun head 		
<p>Specification</p>		
<ul style="list-style-type: none"> • With 1 high pressure hose, G 1/8", 8 x 300 mm • With 1 coupler, 4 jaws, G 1/8" 		



12 633 950



12 733 804

Grease guns and Accessories



12 634

Article no.	STANDARD GREASE GUN, HHFP (LEVER OPERATED GREASE GUN), IN SALES PACKAGE, SEALING COVER LOOSE, 1,0 MM WALL THICKNESS	
12 634	<p>Standard grease gun, HHFP with ZBH, connection M 10 x 1 Loading: 400 g grease cartridge, DIN 1284, or bulk grease</p>	<p>Specification</p> <ul style="list-style-type: none"> • With 1 spout, angled, M 10 x 1, 150 mm • With 1 coupler, 4 jaws, M 10 x 1
12 634 125	<p>Standard grease gun, HHFP with ZBH, connection G 1/8"</p> <p>Loading: 400 g grease cartridge, DIN 1284, or bulk grease</p>	<p>Specification</p> <ul style="list-style-type: none"> • With 1 coupler, 4 jaws, G 1/8" • With 1 spout, angled, G 1/8", 150 mm
12 634 950	<p>Standard grease gun, HHFP with ZBH, connection M 10 x 1 Loading: 400 g, grease cartridge, DIN 1284, grease filling tool or bulk grease</p>	<p>Specification</p> <ul style="list-style-type: none"> • With 1 spout, angled, M 10 x 1, 150 mm • With 1 coupler, 4 jaws, M 10 x 1 • with 1 filling and ventilation nipple

»Posi Lok«**Technical data**

Filling nipple and
ventilating valve: M 10 x 1

Note

- Separate filling and ventilation valve in grease gun head

Specification

- With 1 spout, angled, G 1/8", 150 mm
- With 1 coupler, 4 jaws G 1/8"

Standard grease gun, HHFP

with ZBH, connection G 1/8"

Loading:

400 g grease cartridge, DIN 1284,
grease gun filling system or bulk grease

Article no.

12 734 804



12 734 804

Grease guns and Accessories

STANDARD GREASE GUN, HHFP (LEVER OPERATED GREASE GUN), IN POLYBAG, SEALING COVER FIXED, 1,0 MM WALL THICKNESS

Technical data

Diameter of piston:	8 mm
Actuation grease piston:	manually lever operated
Delivery rate / stroke:	1,2 cm ³ at a counter-pressure of 400 bar
Discharge pressure:	up to 400 bar
Grease gun connection, pressure-side:	M 10 x 1
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Filling nipple and ventilating valve:	M 10 x 1
Operation of plunger rod:	with T-grip
Sealing cover:	fixed
Wall thickness of grease gun tube:	1,0 mm
Lacquering:	graphite-grey
Package:	polybag, blank

Note

- Suitable for greases up to NLGI 2
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Acc. to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 5000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Slip resistant handle on grease gun lever
- Fixed cap, with clamp
- Low effort required for lubrication due to optimum lever operational efficiency
- Ergonomic handle assists in overcoming the spring load
- Separate filling and ventilation valve in grease gun head
- High-speed ventilation, by half a rotation of the grease gun tube

		Article no.
<p>Technical data Loading: grease gun filling system or bulk grease</p>	<p>Standard grease gun, HHFP-DG connection M 10 x 1 Capacity: 300 cm³ Dimensions of package LWH (mm): 310 x 125 x 70</p>	12 684 782
<p>Technical data Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease</p>	<p>Standard grease gun, HHFP-DG connection M 10 x 1 Capacity: 500 cm³ Dimensions of package LWH (mm): 380 x 125 x 70</p>	12 638 782
<p>Technical data Loading: 400 g and 500 g grease cartridges, DIN 1284, grease gun filling system or bulk grease</p>	<p>Standard grease gun, HHFP-DG connection M 10 x 1 Capacity: 750 cm³ Dimensions of package LWH (mm): 510 x 125 x 70</p>	12 685 782
	<p>Standard grease gun, HHFP-DG connection G 1/8" Capacity: 750 cm³ Dimensions of package LWH (mm): 510 x 125 x 70</p>	12 685 792
	<p>Standard grease gun, HHFP-DG connection M 10 x 1 Capacity: 1000 cm³ Dimensions of package LWH (mm): 600 x 125 x 70</p>	12 686 782
	<p>Standard grease gun, HHFP-DG connection G 1/8" Capacity: 1000 cm³ Dimensions of package LWH (mm): 600 x 125 x 70</p>	12 686 792



12 684 782



12 638 782



12 685 782

Grease guns and Accessories

STANDARD GREASE GUN, HHFP (LEVER OPERATED GREASE GUN)

Technical data

Diameter of piston:	8 mm
Actuation grease piston:	manually lever operated
Delivery rate / stroke:	1,2 cm ³ at a counter-pressure of 400 bar
Discharge pressure:	up to 400 bar
Grease gun connection, pressure-side:	G 1/8"
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Filling nipple and ventilating valve:	M 10 x 1
Operation of plunger rod:	with T-grip
Sealing cover:	fixed
Wall thickness of grease gun tube:	1,0 mm
Lacquering:	graphite-grey
Dimensions of package LWH (mm):	400 x 140 x 75

Note

- Suitable for greases up to NLGI 2
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Acc. to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 5000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Slip resistant handle on grease gun lever
- Fixed cap, with clamp
- Low effort required for lubrication due to optimum lever operational efficiency
- Ergonomic handle assists in overcoming the spring load
- Separate filling and ventilation valve in grease gun head
- High-speed ventilation, by half a rotation of the grease gun tube

		Article no.
<p>Technical data Loading: grease gun filling system or bulk grease</p>	<p>Standard grease gun, HHFP-DG connection G 1/8" Capacity: 300 cm³</p>	12 684 792
<p>Technical data Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease</p>	<p>Standard grease gun, HHFP-DG connection G 1/8" Capacity: 500 cm³</p>	12 638 792
<p>Technical data Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease</p> <p>Specification</p> <ul style="list-style-type: none"> • With 1 spout, angled, M 10 x 1, 150 mm • With 1 coupler, 4 jaws, M 10 x 1 	<p>Standard grease gun, HHFP-DG with ZBH, connection M 10 x 1 Capacity: 500 cm³</p>	12 638 776
<p>Technical data Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease</p> <p>Specification</p> <ul style="list-style-type: none"> • With 1 spout, angled, G 1/8", 150 mm • With 1 coupler, 4 jaws G 1/8" 	<p>Standard grease gun, HHFP-DG with ZBH, connection G 1/8" Capacity: 500 cm³</p>	12 638 796
<p>Technical data Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease</p> <p>Specification</p> <ul style="list-style-type: none"> • with 1 high pressure hose, G 1/8", 11 x 300 mm • With 1 coupler, 4 jaws G 1/8" 	<p>Standard grease gun, HHFP-DG with ZBH, connection G 1/8" Capacity: 500 cm³</p>	12 638 797



12 684 792



12 638 776



12 638 797

Grease guns and Accessories

ONE HAND OPERATED GREASE GUN, SPRING OPERATED GREASE SUPPLY INTO THE GREASE GUN HEAD

ONE HAND OPERATED GREASE GUN, EHFP, SEALING COVER LOOSE, 1,0 MM WALL THICKNESS

Technical data

Diameter of piston:	8 mm
Actuation grease piston:	manual, by means of pressure grip
Delivery rate / stroke:	0,8 cm ³
Discharge pressure:	up to 260 bar
Grease gun connection, pressure-side:	M 10 x 1 female
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Capacity:	500 cm ³
Filling nipple and ventilating valve:	M 10 x 1
Loading:	400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease
Operation of plunger rod:	with L-design handle
Sealing cover:	loose
Wall thickness of grease gun tube:	1,0 mm
Lacquering:	silver
Package:	Sales package, with bar code
Dimensions of package LWH (mm):	400 x 140 x 75

Note

- Suitable for greases up to NLGI 2
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Acc. to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 5000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Safe handle on the plunger rod
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- Separate filling and ventilation valve in grease gun head
- High-speed ventilation, by half a rotation of the grease gun tube

		Article no.
<p>»Posi Lok«</p> <p>One hand operated grease gun, EHFP with ZBH, connection M 10 x 1</p> <p>Specification</p> <ul style="list-style-type: none"> • With 1 spout, straight, M 10 x 1, 150 mm • With 1 coupler, 4 jaws, M 10 x 1 		12 250
<p>»Posi Lok«</p> <p>One hand operated grease gun, EHFP with ZBH, connection M 10 x 1</p> <p>Specification</p> <ul style="list-style-type: none"> • With 1 high pressure hose, M 10 x 1, 8 x 300 mm • With 1 spout, straight, M 10 x 1, 150 mm • With 1 coupler, 4 jaws, M 10 x 1 		12 250 950
<p>»Posi Lok«</p> <p>One hand operated grease gun, EHFP with ZBH, connection M 10 x 1</p> <p>Specification</p> <ul style="list-style-type: none"> • With 1 high pressure hose, M 10 x 1, 11 x 300 mm • With 1 spout, straight, M 10 x 1, 150 mm • With 2 hydraulic couplers, 4 jaws, M 10 x 1 		12 254
<p>»Posi Lok«</p> <p>One hand operated grease gun, EHFP with ZBH, connection G 1/8"</p> <p>Specification</p> <ul style="list-style-type: none"> • With 1 spout, straight, G 1/8", 150 mm • With 1 coupler, 4 jaws, G 1/8" 		12 270
<p>»Posi Lok«</p> <p>One hand operated grease gun, EHFP with ZBH, connection G 1/8"</p> <p>Specification</p> <ul style="list-style-type: none"> • With 1 high pressure hose, G 1/8", 11 x 300 mm • With 1 spout, straight, G 1/8", 150 mm • With 2 hydraulic couplers, 4 jaws, G 1/8" 		12 274



12 250



12 254

Grease guns and Accessories

ONE HAND OPERATED GREASE GUN, EHFP, SEALING COVER LOOSE, 1,0 MM WALL THICKNESS

Technical data

Diameter of piston:	8 mm
Actuation grease piston:	manual, by means of pressure grip
Delivery rate / stroke:	0,4 cm ³
Discharge pressure:	up to 550 bar
Grease gun connection, pressure-side:	M 10 x 1
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Capacity:	125 cm ³
Filling nipple and ventilating valve:	M 10 x 1
Loading:	grease gun filling system or bulk grease
Operation of plunger rod:	with L-design handle
Sealing cover:	loose
Wall thickness of grease gun tube:	1,0 mm
Lacquering:	silver
Package:	Sales package, with bar code
Dimensions of package LWH (mm):	285 x 120 x 55

Note

- Suitable for greases up to NLGI 2
- Contoured plunger, tight fitting, with bulk grease
- Acc. to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 5000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Safe handle on the plunger rod
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease
- Separate filling and ventilation valve in grease gun head
- High-speed ventilation, by half a rotation of the grease gun tube

Article no.

Specification

- With 1 spout, straight, M 10 x 1, 150 mm
- With 1 coupler, 4 jaws, M 10 x 1

One hand grease gun, EHFP

with ZBH, connection M 10 x 1

12 226

Specification

- With 1 spout, straight, G 1/8", 150 mm
- With 1 coupler, 4 jaws, G 1/8"

One hand grease gun, EHFP

with ZBH, connection G 1/8"

12 276



12 276

Grease guns and Accessories

OIL GUN

OIL GUN HHÖP (LEVER OPERATED GUN FOR OIL)

Technical data

Diameter oil piston:	9 mm
Actuation oil plunger:	manually lever operated
Delivery rate / stroke:	proportional to the manual lever operating distance, max. 1,4 cm ³
Discharge pressure:	up to 400 bar
Oil gun connection - delivery side:	utilizing a metal adapter, M 10 x 1
Burst pressure (system):	850 bar
Burst pressure (oil gun head):	1200 bar
Capacity:	500 cm ³
Loading:	utilising a sealing cap
Wall thickness pipe:	1,0 mm
Lacquering:	silver
Package:	polybag, blank
Dimensions of package LWH (mm):	340 x 125 x 70

Note

- Two-way plunger, tight fitting, for oils and viscous oils
- Chain retrieval of two-way plunger
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- No dummy (apparent) lubrication. Sealing system: O-ring and ball valve prevent oil compressed in the oil gun head from feeding back
- Performance unchanged after 5000 actuating cycles
- Oil gun head and sealing cap, zinc die casting Z 410
- Slip resistant handle on grease gun lever
- Allows lubrication in difficult to reach locations because the smallest lever operation results in oil being pumped reliably to the lubrication point
- Enables even under extreme backpressure, a variable lubrication pressure with steady effort applied

Article no.

Specification

- With 1 spout, angled, M 10 x 1, 150 mm
- With 1 coupler, 4 jaws, M 10 x 1, with ball valve

Oil gun, HHÖP

with ZBH, connection M 10 x 1

12 602

Specification

- With 1 spout, angled, G 1/8", 150 mm
- With 1 coupler, 4 jaws, G 1/8", with ball valve

Oil gun, HHÖP

with ZBH, connection G 1/8"

12 602 125



12 602

Grease guns and Accessories

MANUAL LEVER GUN FOR CONCRETE WORKS

MANUAL LEVER GUN FOR CONCRETE WORKS, BHHP (MANUAL OPERATED LEVER GUN FOR CONCRETE WORKS)

Technical data

Application:	for repair of cracks in concrete with fluid resins
Diameter pump piston:	8 mm
Actuation piston:	manually lever operated
Delivery rate / stroke:	1,2 cm ³ , at a counter-pressure of 400 bar
Discharge pressure:	up to 400 bar
Grease gun connector on the delivery side utilising a metal adapter:	M 10 x 1
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Capacity:	1000 cm ³
Loading:	utilising a sealing cap
Wall thickness grease gun tube:	1,0 mm
Surface treatment:	all steel components are galvanized
Package:	polybag, blank
Dimensions of package LWH (mm):	540 x 125 x 70

Note

- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 5000 actuating cycles
- Manual lever gun head, zinc die casting Z 410
- Low effort required for lubrication due to optimum lever operational efficiency
- Sealing cap, plastic, with vacuum air valve
- Slip resistant handle on manual lever gun grip

Article no.

**Manual lever gun 2,
for concrete work BHHP**
connection M 10 x 1

12 688



12 688

Grease guns and Accessories

COMPRESSED AIR GREASE GUN, AIR PRESSURIZED GREASE SUPPLY TO THE POINT OF LUBRICATION

COMPRESSED AIR GREASE GUN, DLFP, AIR PRESSURIZED GREASE SUPPLY TO THE POINT OF LUBRICATION

Technical data

Grease supply into the pressure head:	spring operated
Operation of plunger rod:	with L-design handle
Sealing cover:	loose
Diameter of piston:	6 mm
Actuation grease piston:	single-stroke grease supply
Delivery rate / stroke:	0,8 cm ³
Operating air pressure (recommended):	6 bar
Pressure ratio:	50:1
Minimum pressure (compressed air operation):	2 bar
Maximum air pressure (compressed air operation):	8 bar
Capacity:	500 cm ³
Operating pressure:	100 up to 400 bar
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Grease gun connection, pressure-side:	M 10 x 1
Wall thickness of grease gun tube:	1,0 mm
Lacquering:	silver

Note

- Suitable for greases up to NLGI 2
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 5000 actuating cycles
- Safe handle on the plunger rod
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- High-speed ventilation, by half a rotation of the grease gun tube

Article no.

Technical data

Compressed air connection: hose nozzle, 6 mm, for hose, DN 6 (20 132)

Specification

- With 1 spout, angled, M 10 x 1, 150 mm
- With 1 coupler, 4 jaws, M 10 x 1
- Polybag, blank
- With bar code

Compressed air grease gun, DLFP

with ZBH, connection M 10 x 1
 Loading: 400 g grease cartridge, DIN 1284, bulk grease
 Dimensions of package LWH (mm): 380 x 190 x 70

18 071



18 071

»Posi Lok«

Technical data

Compressed air connection: female Rectus quick release airline connector, type 26

Filling nipple and ventilating valve: M 10 x 1

Specification

- With 1 high pressure hose, M 10 x 1, 11 x 300 mm
- With 1 precision machined coupler, 4 jaws, M 10 x 1
- Sales package
- With bar code

Compressed air grease gun, DLFP

with ZBH, connection M 10 x 1
 Loading: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk
 Dimensions of package LWH (mm): 400 x 170 x 75

18 072



18 072

Grease guns and Accessories

COMPRESSED AIR GREASE GUN, DLFP, AIR PRESSURIZED GREASE SUPPLY TO THE POINT OF LUBRICATION, COMBINATION

Technical data

Grease supply into the pressure head:	spring operated
Operation of plunger rod:	with L-design handle
Sealing cover:	loose
Diameter of piston:	6 mm
Actuation grease piston DLFP:	single-stroke grease supply
Delivery rate / stroke:	0,8 cm ³
Operating air pressure (recommended):	6 bar
Pressure ratio:	50:1
Minimum pressure (compressed air operation):	2 bar
Maximum air pressure (compressed air operation):	8 bar
Compressed air connection:	hose nozzle, 6 mm, for hose, DN 6 (20 132)
Diameter of piston HHFP:	8 mm
Actuation grease piston HHFP:	manually lever operated
Delivery rate / stroke HHFP:	1,2 cm ³ , at a counter-pressure of 400 bar
Operating pressure HHFP:	up to 400 bar
Filling nipple and ventilating valve DLFP:	M 10 x 1
Operating pressure to lubrication point DLFP:	100 up to 400 bar
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Grease gun connection, pressure-side:	M 10 x 1
Capacity:	500 cm ³
Filling possibilities HHFP and DLFP:	400 g grease cartridge, DIN 1284, grease gun filling system (DLFP only) or bulk grease
Wall thickness of grease gun tube:	1,0 mm
Lacquering:	silver
Package:	Sales package, with bar code
Dimensions of package LWH (mm):	400 x 170 x 75

Note

- Suitable for greases up to NLGI 2
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 5000 actuating cycles
- Safe handle on the plunger rod
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- With additional grease gun head and lever assembly for conversion to lever operation
- Low effort required for lubrication due to optimum lever operational efficiency
- Slip resistant handle on manual lever gun grip
- Separate filling and ventilation valve in grease gun head
- High-speed ventilation, by half a rotation of the grease gun tube

»Posi Lok«

Specification

- With 1 high pressure hose, M 10 x 1, 8 x 300 mm
- With 1 spout, angled, M 10 x 1, 150 mm
- With 2 hydraulic couplers, 4 jaws, M 10 x 1

Compressed air grease gun, DLFP
with ZBH, connection M 10 x 1

Article no.

18 074



18 074

Grease guns and Accessories

AUTOMATIC COMPRESSED AIR GREASE GUN

Technical data

Grease supply into the pressure head:	spring operated
Operation of plunger rod:	with L-design handle
Sealing cover:	loose
Diameter of piston:	6 mm
Actuation grease piston:	air operated providing a continuous grease flow
Delivery rate / stroke:	0,8 cm ³
Operating air pressure (recommended):	6 bar
Pressure ratio:	50:1
Minimum pressure (compressed air operation):	2 bar
Maximum air pressure (compressed air operation):	8 bar
Compressed air connection:	female Rectus quick release airline connector, type 26
Capacity:	500 cm ³
Filling nipple and ventilating valve:	M 10 x 1
Operating pressure:	100 up to 400 bar
Burst pressure (system):	850 bar
Burst pressure (grease gun head):	1200 bar
Grease gun connection, pressure-side:	M 10 x 1
Loading:	400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease
Wall thickness of grease gun tube:	1,0 mm
Lacquering:	graphite-grey
Package:	Sales package, with bar code
Dimensions of package LWH (mm):	400 x 170 x 75

Note

- Suitable for greases up to NLGI 2
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 5000 actuating cycles
- Safe handle on the plunger rod
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- Separate filling and ventilation valve in grease gun head
- High-speed ventilation, by half a rotation of the grease gun tube

»Posi Lok«

Specification

- With 1 spout, straight, M 10 x 1, 150 mm
- With 1 precision machined coupler, 4 jaws, M 10 x 1

Compressed air grease gun

DLFP, with ZBH, connection, M 10 x 1

Article no.

18 073



18 073

»Posi Lok«

Specification

- With 1 high pressure hose, M 10 x 1, 11 x 500 mm
- With 1 spout, straight, M 10 x 1, 150 mm
- With 1 precision machined coupler, 4 jaws, M 10 x 1

Compressed air grease gun

DLFP, with ZBH, connection, M 10 x 1

18 077



18 077

AKKU GREASE GUN

Technical data

Grease supply into the pressure head: spring operated
 Operation of plunger rod: with L-design handle
 Sealing cover: screwed
 Diameter of piston: 6 mm
 Actuation grease piston: 10 V electric engine providing a continuous grease flow

Delivery rate / stroke: 0,8 cm³
 Delivery: approx. 65 g/min. (~ 76 cm³) at a counterpressure of 69 bar

Delivery per accu load: two 400 g cartridges (depending on counterpressure)

Operating pressure: 414 bar
 Maximum pressure: 517 bar
 Quick recharging time accu: 1 hour
 High performance battery: 1300 mAh
 Grease supply hose: 11 x 610 mm
 Wall thickness of grease gun tube: 1,6 mm
 Package: sturdy display case

Accu grease gun

Display case and battery recharger
 Loading: 400 g grease cartridge, DIN 1284, or bulk grease
 Dimensions of package LWH (mm): 600 x 510 x 105

18 070

Specification

- With 1 high pressure hose with anti kink spring, 610 mm
- With 1 coupler 4 jaws
- With 1 battery recharger (230 V)
- With 1 accu 12 V
- With 1 sturdy display case with space for two 400 g cartridges, DIN 1284

Note

- Suitable for greases up to NLGI 2
- Contoured plunger, tight fitting, with bulk grease or cartridges
- Safe handle on the plunger rod
- Sure grip handling due to deep band knurls
- Separate ventilating valve
- Stable construction



18 070

Grease guns and Accessories

Article no.

COUPLERS AND QUICK RELEASE ADAPTERS

BUTTON HEAD COUPLERS



12 001

12 001

Button head coupler, slide-on type
M 10 x 1 female, M- and T-nipples,
16 mm
Dimension LWH (mm):
29 x 21 x 16

Technical data

Connection 1: button head coupler, for button head grease nipples, 16 mm / 0,62", DIN 3404, M1 + T1



12 001 125

12 001 125

Button head coupler, slide-on type
G 1/8" female, M- and T-nipples,
16 mm
SW: 13 mm
Dimension LWH (mm):
44 x 21 x 16

Location of coupling: opposite to screw-in direction
Material: steel, galvanized

12 074 950

Coupling, for M1- and T1-nipples
G 1/8" female
Dimension LWH (mm):
35 x 25 x 17



12 004

12 004

Button head coupler, M 10 x 1 female
for button head grease nipple, 16 mm
Dimension LWH (mm):
32 x 20 x 23

Technical data

Connection 1: button head coupler, for button head grease nipples, 16 mm / 0,62", DIN 3404, M1 + T1

12 074

Coupling, for M1- and T1-nipples
G 1/8" female
Dimension LWH (mm):
32 x 20 x 23

SW: 12 mm
Material: steel, galvanized



12 004 950

12 004 950

Button head coupler, M 10 x 1 female
for button head grease nipple, 16 mm
Dimension LWH (mm):
30 x 22 x 20

Technical data

Connection 1: button head coupler, for button head grease nipples, flat design, 16 mm / 0,62", DIN 3404, M1 + T1
Material: steel, galvanized

			Article no.
Technical data			
Connection 1:	button head coupler, for button head grease nipples, 22 mm / 0,86", DIN 3404	Button head coupler, M 10 x 1 female for button head grease nipple, 22 mm Dimension LWH (mm): 30 x 30 x 35	12 011
Material:	steel, galvanized	Button head coupler, G 1/8" female for button head grease nipple, 22 mm Dimension LWH (mm): 45 x 30 x 35	12 011 125
SW:	30 mm		
Technical data			
Connection 1:	button head coupler, for button head grease nipples, 10 mm / 0,39", DIN 3404, M4	Coupling, for M4-nipples M 10 x 1 female SW: 12 mm Dimension LWH (mm): 32 x 20 x 26	12 052
Material:	steel, galvanized	Coupling, for M4-nipples G 1/8" female SW: 13 mm Dimension LWH (mm): 46 x 20 x 26	12 053
BAYONET COUPLERS			
Technical data			
Connection 1:	for all bayonet type grease nipples, diameter of head: 9,9 mm	Bayonet coupler, M 10 x 1 female Diameter: 20 mm Length: 41 mm	12 013
Material:	steel, galvanized	Bayonet coupler, G 1/8" female Diameter: 20 mm Length: 41 mm	12 023
SW:	14 mm		
QUICK RELEASE ADAPTERS			
Technical data			
Connection 1:	for hydraulic coupler	Quick release adapter M 10 x 1 female Diameter: 18 mm Length: 31 mm	12 006
Material:	steel, galvanized	Quick release adapter G 1/8" female Diameter: 18 mm Length: 41 mm	12 006 125
SW:	12 mm		



12 011 125



12 052



12 053



12 013



12 023



12 006



12 006 125

Grease guns and Accessories

Article no.

QUICK RELEASE ADAPTERS WITH MOUNTED ACCESSORIES



12 042



12 043



12 055



12 044



12 054



12 057

12 042

Quick release adapter

coupler for K-nipples
universal coupler, for ball type
grease nipples, DIN 3402
Diameter: 18 mm
Length: 184 mm

Technical data

Connection 1: quick release
adapter, M 10 x 1
female
Material: steel, galvanized

12 043

Quick release adapter

coupler for funnel type grease nipples
pointed coupler, for funnel type
grease nipples, DIN 3405
Diameter: 18 mm
Length: 184 mm

Specification

- Quick connecting coupler, with captive coupler 12 006, to connect to a four jaw hydraulic coupler 12 643
- Straight spout, 150 mm

12 044

Quick release adapter

coupling for M1- and T1-nipples
for button head grease nipple,
16 mm / 0,63", DIN 3404, M1 + T1
Dimension LWH (mm):
202 x 23 x 20

12 054

Quick release adapter

coupling for M22-nipples
for button head grease nipples,
22 mm / 0,86", DIN 3404 M22
Dimension LWH (mm):
203 x 35 x 30

12 055

Quick release adapter

coupling for M4-nipples
button head coupler, for button head
grease nipples, 10 mm / 0,39",
DIN 3404, M4
Dimension LWH (mm):
205 x 20 x 26

12 057

Quick release adapter

coupling for M22-nipples
for button head grease nipples,
22 mm / 0,86", DIN 3404 M22
angled spout, 150 mm
Dimension LWH (mm):
210 x 30 x 60

Technical data		Article no.
Connection 1:	quick release adapter, M 10 x 1 female	12 048
Connection 2:	coupler, for H-nipples	
Quick release adapter coupler for H-nipples High pressure hose, 11 x 300 mm, M 10 x 1 male Diameter: 18 mm Length: 360 mm		12 049
Quick release adapter coupler for H-nipples High pressure hose, 11 x 500 mm, M 10 x 1 male Diameter: 18 mm Length: 560 mm		
Specification		12 056
<ul style="list-style-type: none"> Quick connecting coupler, with captive coupler 12 006, to connect to a four jaw hydraulic coupler 12 643 4-jaw coupler, M 10 x 1 female, precision design, machined and slotted 		
Quick release adapter coupler for H-nipples Angled spout, 150 mm, M 10 x 1 male Diameter: 18 mm Length: 210 mm		



12 048

12 049



12 056

COUPLERS

UNIVERSAL COUPLERS

Technical data		Article no.
Connection 1:	for H- and K-nipples	12 002
Material:	steel, galvanized	
Universal coupler M 10 x 1 female, for H- and K-nipples Diameter: 12mm Length: 8 mm		12 072
Universal coupler G 1/8" female, for H- and K-nipples Diameter: 12 mm Length: 8 mm		



12 072

POINTED COUPLERS

Technical data		Article no.
Connection 1:	for funnel type grease nipples	12 003
Material:	steel, galvanized	
Pointed coupler, M 10 x 1 female for funnel type grease nipples Diameter: 12 mm Length: 14 mm		12 073
Pointed coupler, G 1/8" female for funnel type grease nipples Diameter: 12 mm Length: 14 mm		



12 003

Grease guns and Accessories

Article no.



12 626



12 150



12 643



12 743

PRECISION MACHINED COUPLERS

12 626

Precision machined coupler

M 10 x 1 female, SF, Ø 13 mm
Diameter: 13 mm
Length: 42 mm

Technical data

Application: for very difficult to access locations
Connection 1: for H-nipples
Design: 4 jaws, turned
SW: 13 mm
Material: steel, galvanized

12 726

Precision machined coupler

G 1/8" female, SF, Ø 13 mm
Diameter: 13 mm
Length: 42 mm

12 150

Precision machined coupler

M 10 x 1 female, SF, Ø 13 mm,
SB packing
Diameter: 13 mm
Length: 42 mm
Dimensions of package LWH (mm):
150 x 70 x 13

Technical data

Application: for very difficult to access locations
Connection 1: for H-nipples
Design: 4 jaws, turned
SW: 13 mm
Material: steel, galvanized
Package: SB sales packing, with head card and bar code

12 151

Precision machined coupler

G 1/8" female, SF, Ø 13 mm,
SB packing
Diameter: 13 mm
Length: 42 mm
Dimensions of package LWH (mm):
150 x 70 x 13

12 643

Precision machined coupler

M 10 x 1 female, SF, Ø 15 mm
Diameter: 15 mm
Length: 36 mm

Technical data

Connection 1: for H-nipples
Design: 4 jaws, turned
SW: 13 mm
Material: steel, galvanized

12 743

Precision machined coupler

G 1/8" female, SF, Ø 15 mm
Diameter: 15 mm
Length: 36 mm

Technical data		Article no.
Connection 1:	for H-nipples	12 156
Design:	4 jaws, turned	
SW:	13 mm	12 157
Material:	steel, galvanized	
Diameter:	15 mm	12 156
Length:	36 mm	
Package:	SB sales packing, with headcard and bar code	12 157



12 156

HYDRAULIC COUPLERS		Article no.
Connection 1:	for H-nipples	12 631
Design:	4 jaws, punched	
SW:	13 mm	12 731
Material:	steel, galvanized	
		12 631



12 631

Connection 1:	for H-nipples	12 152
Design:	4 jaws, punched	
SW:	13 mm	12 153
Material:	steel, galvanized	
Diameter:	15 mm	12 152
Length:	36 mm	
Package:	SB sales packing, with headcard and bar code	12 153



12 152

Grease guns and Accessories



12 642



12 154



12 071



12 435

Article no.

HYDRAULIC COUPLERS

12 642

Hydraulic coupler

M 10 x 1 female, SF, Ø 15 mm,
with valve

Diameter: 15 mm
Length: 40 mm

Technical data

Connection 1: for H-nipples
Design: 4 jaws, punched,
with valve
SW: 13 mm
Material: steel, galvanized

12 154

Hydraulic coupler

M 10 x 1 female, SF, Ø 15 mm,
SB packing
Dimensions of package LWH (mm):
15 x 70 x 15

Technical data

Connection 1: for H-nipples
Design: 4 jaws, punched,
with valve
SW: 13 mm
Material: steel, galvanized
Diameter: 15 mm
Length: 40 mm
Package: SB sales packing,
with headcard
and bar code

UNIVERSAL COUPLERS

12 071

Universal coupler, M 10 x 1

for push type grease guns

Diameter: 12 mm
Length: 14 mm

Technical data

Connection 1: for H-nipple
Material: steel, galvanized

SPOUTS

STRAIGHT SPOUTS

12 435

Spout, straight, M 10 x 1 male

Diameter: 10 mm
Length: 150 mm

Technical data

Material: steel, galvanized

12 475

Spout, straight, G 1/8" male

Diameter: 10 mm
Length: 150 mm

ANGLED SPOUTS		Article no.
Technical data		
Material:	steel, galvanized	
Spout, angled, M 10 x 1 male, 150 mm		12 635
Diameter:	10 mm	
Length:	150 mm	
Spout, angled, G 1/8" male, 150 mm		12 735
Diameter:	10 mm	
Length:	150 mm	
ANGLED SPOUTS, WITH ACCESSORIES		
Technical data		
Connection spout (12 635):	M 10 x 1 male	
Connection hydraulic coupler (12 631):	for H-nipples	
Material:	steel, galvanized	
Spout, angled, M 10 x 1 male with 4 jaw hydraulic coupler		12 635 810
Diameter:	15 mm	
Length:	180 mm	
Technical data		
Connection spout (12 735):	G 1/8" male	
Connection hydraulic coupler (12 731):	for H-nipples	
Material:	steel, galvanized	
Spout, angled, G 1/8" male with 4 jaw hydraulic coupler		12 735 810
Diameter:	15 mm	
Length:	180 mm	
Technical data		
Connection spout (12 635):	M 10 x 1 male	
Connection universal coupler (12 002):	for H- and K-nipples	
Material:	steel, galvanized	
Spout, angled, M 10 x 1 male with universal coupler		12 635 814
Diameter:	12 mm	
Length:	155 mm	



12 635



12 635 810



12 735 810



12 635 814

Grease guns and Accessories

Article no.

ANGLED SPOUTS, WITH ACCESSORIES

12 735 814

Spout, angled, G 1/8" male
with universal coupler
Diameter: 12 mm
Length: 155 mm

Technical data
Connection spout
(12 735): G 1/8" male
Connection
universal coupler
(12 072): for H- and
K-nipples
Material: steel, galvanized

12 635 816

Spout, angled, M 10 x 1 male
with pointed coupler
Diameter: 12 mm
Length: 155 mm

Technical data
Connection spout
(12 635): M 10 x 1 male
Connection
pointed coupler
(12 003): for funnel type
grease nipples

12 735 816

Spout, angled, G 1/8" male
with pointed coupler
Diameter: 12 mm
Length: 155 mm

Technical data
Connection spout
(12 735): G 1/8" male
Connection
pointed coupler
(12 073): for funnel type
grease nipples

HIGH PRESSURE GREASE HOSES ACC. TO DIN 1283

12 753 123

High pressure hose, M 10 x 1 male
8 x 230 mm
Diameter: 11 mm
Length: 230 mm

Technical data
Burst pressure: 900 bar
Outside diameter: 8 mm
Design: Acc. to DIN 1283

12 753

High pressure hose, G 1/8" male
8 x 230 mm
Diameter: 11 mm
Length: 230 mm

12 656

High pressure hose, M 10 x 1 male
8 x 300 mm
Diameter: 11 mm
Length: 300 mm

12 756

High pressure hose, G 1/8" male
8 x 300 mm
Diameter: 11 mm
Length: 300 mm



12 735 814



12 635 816



12 735 816



12 753



12 656

Technical data

Burst pressure: 900 bar
 Outside diameter: 8 mm
 Design: Acc. to DIN 1283

High pressure hose, M 10 x 1 male

8 x 500 mm
 Diameter: 11 mm
 Length: 500 mm

Article no.

12 666

High pressure hose, G 1/8" male

8 x 500 mm
 Diameter: 11 mm
 Length: 500 mm

12 766

Technical data

Burst pressure: 900 bar
 Outside diameter: 11 mm
 Storage area for wrenches: 15 mm
 Design: Acc. to DIN 1283

High pressure hose, M 10 x 1 male

11 x 230 mm
 Diameter: 15 mm
 Length: 230 mm

12 751 123

High pressure hose, G 1/8" male

11 x 230 mm
 Diameter: 15 mm
 Length: 230 mm

12 751

High pressure hose, M 10 x 1 male

11 x 300 mm
 Diameter: 15 mm
 Length: 300 mm

12 655

High pressure hose, G 1/8" male

11 x 300 mm
 Diameter: 15 mm
 Length: 300 mm

12 755

High pressure hose, M 10 x 1 male

11 x 500 mm
 Diameter: 15 mm
 Length: 500 mm

12 665

High pressure hose, G 1/8" male

11 x 500 mm
 Diameter: 15 mm
 Length: 500 mm

12 765



Grease guns and Accessories



12 656 810



12 666 810

Article no.	HIGH PRESSURE GREASE HOSES ACC. TO DIN 1283, WITH ACCESSORIES	
12 656 810	High pressure hose, M 10 x 1 male 8 x 300 mm, with 4-jaw coupler Diameter: 15 mm Length: 330 mm	Technical data Connection high pressure hose (12 656): M 10 x 1 male Connection hydraulic coupler (12 631): for H-nipples Burst pressure: 900 bar
12 656 809	High pressure hose, M 10 x 1 male 8 x 300 mm, with 4-jaw coupler Diameter: 15 mm Length: 330 mm	Technical data Connection high pressure hose (12 656): M 10 x 1 male Connection precision machined coupler (12 643): for H-nipples Burst pressure: 900 bar
12 756 810	High pressure hose, G 1/8" male 8 x 300 mm, with 4-jaw coupler Diameter: 15 mm Length: 330 mm	Technical data Connection high pressure hose (12 756): G 1/8" male Connection hydraulic coupler (12 731): for H-nipples Burst pressure: 900 bar
12 666 810	High pressure hose, M 10 x 1 male 8 x 500 mm, with 4-jaw coupler Diameter: 11 mm Length: 530 mm	Technical data Connection high pressure hose (12 666): M 10 x 1 male Connection hydraulic coupler (12 631): for H-nipples Burst pressure: 900 bar
12 766 810	High pressure hose, G 1/8" male 8 x 500 mm, with 4-jaw coupler Diameter: 11 mm Length: 530 mm	Technical data Connection high pressure hose (12 666): G 1/8" male Connection hydraulic coupler (12 731): for H-nipples Burst pressure: 900 bar

Technical data		High pressure hose, M 10 x 1 male	Article no.
Connection high pressure hose (12 655):	M 10 x 1 male	11 x 300 mm, with spout Diameter: 15 mm Length: 330 mm	12 655 810
Connection hydraulic coupler (12 631):	for H-nipples		
Burst pressure:	900 bar		
Technical data		High pressure hose, M 10 x 1 male	12 655 809
Connection high pressure hose (12 655):	M 10 x 1 male	11 x 300 mm, with spout Diameter: 15 mm Length: 330 mm	
Connection precision machined coupler (12 643):	for H-nipple		
Burst pressure:	900 bar		
Technical data		High pressure hose, G 1/8" male	12 755 809
Connection high pressure hose (12 755):	G 1/8" male	11 x 300 mm, with spout Diameter: 15 mm Length: 300 mm	
Connection precision machined coupler (12 743):	for H-nipple		
Burst pressure:	900 bar		
Technical data		High pressure hose, G 1/8" male	12 755 810
Connection high pressure hose (12 755):	G 1/8" male	11 x 300 mm, with spout Diameter: 15 mm Length: 330 mm	
Connection hydraulic coupler (12 731):	for H-nipples		
Burst pressure:	900 bar		
Technical data		High pressure hose, M 10 x 1 male	12 655 818
Connection high pressure hose (12 655):	M 10 x 1 male	11 x 300 mm, with 16 mm hook-on coupler Dimension LWH (mm): 325 x 20 x 23	
Connection button head coupler (12 004):	for button head grease nipple, 16 mm / 0,63", DIN 3404, M1 + T1		
Burst pressure:	900 bar		



12 655 810



12 655 818

Grease guns and Accessories



12 655 819



12 665 810

Article no.	HIGH PRESSURE GREASE HOSES ACC. TO DIN 1283, WITH ACCESSORIES	
12 755 818	High pressure hose, G 1/8" male 11 x 300 mm, with 16 mm hook-on coupler Dimension LWH (mm): 325 x 20 x 23	Technical data Connection high pressure hose (12 755): G 1/8" male Connection button head coupler (12 074): for button head grease nipple, 16 mm / 0,63", DIN 3404, M1 + T1 Burst pressure: 900 bar
	12 655 819 High pressure hose, M 10 x 1 male 11 x 300 mm, with 16 mm hook-on coupler Dimension LWH (mm): 325 x 30 x 35	Technical data Connection high pressure hose (12 655): M 10 x 1 male Connection button head coupler (12 011): for button head grease nipple, 22 mm / 0,86", DIN 3404 Burst pressure: 900 bar
12 755 819	High pressure hose, G 1/8" male 11 x 300 mm, with 16 mm hook-on coupler Dimension LWH (mm): 335 x 30 x 35	Technical data Connection high pressure hose (12 755): G 1/8" male Connection button head coupler (12 011 125): for button head grease nipple, 22 mm / 0,86", DIN 3404 Burst pressure: 900 bar
	12 665 810 High pressure hose, M 10 x 1 male 11 x 500 mm, with spout Diameter: 15 mm Length: 530 mm	Technical data Connection high pressure hose (12 665): M 10 x 1 male Connection hydraulic coupler (12 631): for H-nipples Burst pressure: 900 bar

		Article no.
<p>Technical data</p> <p>Connection high pressure hose (12 665): M 10 x 1 male</p> <p>Connection precision machined coupler (12 643): for H-nipple</p> <p>Burst pressure: 900 bar</p>	<p>High pressure hose, M 10 x 1 male</p> <p>11 x 500 mm, with spout</p> <p>Diameter: 15 mm</p> <p>Length: 530 mm</p>	12 665 809
<p>Technical data</p> <p>Connection high pressure hose (12 765): G 1/8" male</p> <p>Connection precision machined coupler (12 743): for H-nipple</p> <p>Burst pressure: 900 bar</p>	<p>High pressure hose, G 1/8" male</p> <p>11 x 500 mm, with spout</p> <p>Diameter: 15 mm</p> <p>Length: 530 mm</p>	12 765 809
<p>Technical data</p> <p>Connection high pressure hose (12 765): G 1/8" male</p> <p>Connection hydraulic coupler (12 731): for H-nipples</p> <p>Burst pressure: 900 bar</p>	<p>High pressure hose, G 1/8" male</p> <p>11 x 500 mm, with spout</p> <p>Diameter: 15 mm</p> <p>Length: 530 mm</p>	12 765 810
<p>Technical data</p> <p>Connection high pressure hose (12 665): M 10 x 1 male</p> <p>Connection button head coupler (12 004): for button head grease nipple, 16 mm / 0,63", DIN 3404, M1 + T1</p> <p>Burst pressure: 900 bar</p>	<p>High pressure hose, M 10 x 1 male</p> <p>11 x 500 mm, with SK</p> <p>Dimension LWH (mm): 520 x 20 x 23</p>	12 665 818



12 765 810



12 665 809

Grease guns and Accessories

Article no.

HIGH PRESSURE GREASE HOSES ACC. TO DIN 1283, WITH ACCESSORIES

12 765 818

High pressure hose, G 1/8" male

11 x 500 mm, with SK
Dimension LWH (mm):
520 x 20 x 23

Technical data

Connection high pressure hose (12 765): G 1/8" male
Connection button head coupler (12 074): for button head grease nipple, 16 mm / 0,63", DIN 3404, M1 + T1
Burst pressure: 900 bar



12 765 818

12 665 819

High pressure hose, M 10 x 1 male

11 x 500 mm, with SK
Dimension LWH (mm):
520 x 30 x 35

Technical data

Connection high pressure hose (12 665): M 10 x 1 male
Connection button head coupler (12 011): for button head grease nipple, 22 mm / 0,86", DIN 3404
Burst pressure: 900 bar



12 665 819

12 765 819

High pressure hose, G 1/8" male

11 x 500 mm, with SK
Dimension LWH (mm):
530 x 30 x 35

Technical data

Connection high pressure hose (12 765): G 1/8" male
Connection button head coupler (12 011 125): for button head grease nipple, 22 mm / 0,86", DIN 3404
Burst pressure: 900 bar

HIGH PRESSURE GREASE HOSES ACC. TO DIN 1283, BLISTER PACKED

Technical data

Burst pressure: 900 bar
 Outside diameter: 8 mm
 Design: Acc. to DIN 1283
 Package: SB sales packing, with bar code

High pressure hose, G 1/8" male
 8 x 230 mm, SB packing
 Connection on both ends (12 753):
 G 1/8" male
 Dimensions of package LWH (mm):
 380 x 50 x 9

High pressure hose, M 10 x 1 male
 8 x 300 mm, SB packing
 Connection on both ends (12 656):
 M 10 x 1 male
 Dimensions of package LWH (mm):
 380 x 50 x 9

High pressure hose, G 1/8" male
 8 x 300 mm, SB packing
 Connection on both ends (12 756):
 G 1/8" male
 Dimensions of package LWH (mm):
 380 x 50 x 9

High pressure hose, M 10 x 1 male
 8 x 500 mm, SB packing
 Connection on both ends (12 666):
 M 10 x 1 male
 Dimensions of package LWH (mm):
 570 x 50 x 9

High pressure hose, G 1/8" male
 8 x 500 mm, SB packing
 Connection on both ends (12 766):
 G 1/8" male
 Dimensions of package LWH (mm):
 570 x 50 x 9

Technical data

Burst pressure: 900 bar
 Outside diameter: 11 mm
 SW: 15 mm
 Design: Acc. to DIN 1283
 Package: SB sales packing, with bar code

High pressure hose, G 1/8" male
 11 x 230 mm, SB packing
 Connection on both ends
 (12 751 123): G 1/8" male
 Dimensions of package LWH (mm):
 380 x 50 x 16

High pressure hose, M 10 x 1 male
 11 x 300 mm, SB packing
 Connection on both ends (12 655):
 M 10 x 1 male
 Dimensions of package LWH (mm):
 380 x 50 x 16

Article no.

12 852



12 852

12 857



12 857

12 757



12 859

12 859

12 759



12 752

12 752

12 855



12 855

Grease guns and Accessories



12 875



12 861



12 858

Article no.

HIGH PRESSURE GREASE HOSES ACC. TO DIN 1283, BLISTER PACKED

12 875

High pressure hose, G 1/8" male

11 x 300 mm, SB packing
 Connection on both ends (12 755):
 G 1/8" male
 Dimensions of package LWH (mm):
 380 x 50 x 16

Technical data

Burst pressure: 900 bar
 Outside diameter: 11 mm
 SW: 15 mm
 Design: Acc. to DIN 1283
 Package: SB sales packing,
 with bar code

12 861

High pressure hose, M 10 x 1 male

11 x 500 mm, SB packing
 Connection on both ends (12 665):
 M 10 x 1 male
 Dimensions of package LWH (mm):
 570 x 50 x 16

12 761

High pressure hose, G 1/8" male

11 x 500 mm, SB packing
 Connection on both ends (12 765):
 G 1/8" male
 Dimensions of package LWH (mm):
 570 x 50 x 16

HIGH PRESSURE GREASE HOSES ACC. TO DIN 1283, WITH ACCESSORIES, BLISTER PACKED

12 858

High pressure hose, M 10 x 1 male

8 x 300 mm, with 4-jaw coupler,
 SB packing
 Dimensions of package LWH (mm):
 380 x 50 x 9

Technical data

Connection high pressure hose (12 656): M 10 x 1 male
 Connection hydraulic coupler (12 631): for H-nipples
 Burst pressure: 900 bar
 Package: SB sales packing,
 with bar code

12 758

High pressure hose, G 1/8" male

8 x 300 mm, with 4-jaw coupler,
 SB packing
 Dimensions of package LWH (mm):
 380 x 50 x 9

Technical data

Connection high pressure hose (12 756): G 1/8" male
 Connection hydraulic coupler (12 731): for H-nipples
 Burst pressure: 900 bar
 Package: SB sales packing,
 with bar code

		Article no.
<p>Technical data</p> <p>Connection high pressure hose (12 655): M 10 x 1 male</p> <p>Connection hydraulic coupler (12 631): for H-nipples</p> <p>Burst pressure: 900 bar</p> <p>Package: SB sales packing, with bar code</p>	<p>High pressure hose, M 10 x 1 male</p> <p>11 x 300 mm, with spout, SB packing</p> <p>Dimensions of package LWH (mm): 380 x 50 x 16</p>	<p>12 860</p>
<p>Technical data</p> <p>Connection high pressure hose (12 755): G 1/8" male</p> <p>Connection hydraulic coupler (12 731): for H-nipples</p> <p>Burst pressure: 900 bar</p> <p>Package: SB sales packing, with bar code</p>	<p>High pressure hose, G 1/8" male</p> <p>11 x 300 mm, with spout, SB packing</p> <p>Dimensions of package LWH (mm): 380 x 50 x 16</p>	<p>12 760</p>



12 860

GREASE GUN ACCESSORY SET, BLISTER PACKED

<p>Technical data</p> <p>Package: SB sales packing, with bar code</p> <p>Specification</p> <ul style="list-style-type: none"> • 1 high pressure hose, DIN 1283, M 10 x 1 male 12 656 • 1 spout, angled, M 10 x 1 male, 150 mm 12 635 • 1 coupler, 4 claws, M 10 x 1 female 12 631 • 1 universal coupler, for H- and K-nipples, M 10 x 1 female 12 002 • 1 pointed coupler, M 10 x 1 female, 12 003, for funnel type grease nipples 	<p>Accessory set, M 10 x 1</p> <p>in sales package</p> <p>Dimensions of package LWH (mm): 410 x 70 x 16</p>	<p>12 110</p>
<p>Technical data</p> <p>Package: SB sales packing, with bar code</p>	<p>Accessory set, G 1/8"</p> <p>in sales package</p> <p>Dimensions of package LWH (mm): 410 x 70 x 16</p>	<p>12 111</p>



12 110

Grease guns and Accessories



12 035



12 035 805



18 080 950



18 080



12 016



12 086



18 016



18 017

Article no.

ANGLES

12 035

**Angle 90°, M 10 x 1 female,
M 10 x 1 male**
Dimension LWH (mm):
29 x 15 x 15

Technical data

Material: steel, galvanized
SW: 15 mm

12 035 805

**Angle 90°, G 1/8'' female,
G 1/8'' male**
Dimension LWH (mm):
29 x 15 x 15

ROTARY SWIVEL CONNECTORS

18 080 950

Swivel joint, 1 x 360°
M 10 x 1 male, M 10 x 1 female
Diameter: 13 mm
Length: 65 mm

Technical data

Material: steel, galvanized
SW: 13 mm

18 080

Swivel joint, 1 x 360°
G 1/8'' male, G 1/8'' female
Diameter: 13 mm
Length: 33 mm

RETENTION ADAPTERS

12 016

Retention adapter
G 1/8'' female, M 10 x 1 male
Inside diameter: 5 mm
Length: 23 mm

Technical data

Material: steel, galvanized
SW: 13 mm

12 086

Retention adapter
R 1/8'' male, M 10 x 1 female
Inside diameter: 5 mm
Length: 23 mm

CONNECTING SLEEVES

18 016

Sleeve
M 10 x 1 female, M 10 x 1 female
Length: 24 mm

Technical data

Material: steel, galvanized
SW: 15 mm

18 017

Sleeve
G 1/8'' female, G 1/8'' female
Length: 24 mm

VARIOUS ACCESSORIES AND ACCESSORY SETS FOR GREASE GUNS

Article no.

Technical data

Outside diameter: 60,2 mm
 Inside diameter: 48 mm
 Thickness: 2 mm
 Material: rubber

Seal

for grease gun heads

00 442



00 442

Technical data

Leakproofing material: Aluminium/steel
 Diameter: 65,3 mm
 Length: 230 mm

Adapter for 500 g screw-in cartridges for industry grease guns

12 090

Technical data

- For all industry grease guns
- The grease gun tube and the plunger have to be removed completely from the industry grease gun. The adapter with tube has to be connected for operating with 500 g screw-in cartridges (The tube avoids damages of the cartridge.)

- Using an industry grease gun mounting of filling nipple (12 672) is requested.
- When operating the grease gun lever of an industry gun grease gun will be sucked into the grease gun head by a vacuum created by operation



12 090

Technical data

Connection 1: M 10 x 1 male
 Connection 2: outside diameter 12,3 mm
 SW: 13 mm

Filling nipple, for grease gun head

M 10 x 1 male, Ø = 12,3 mm
 Diameter: 13 mm
 Length: 27 mm

12 669

Specification

- To be used as spare parts or accessories



12 669

Technical data

Connection 1: M 10 x 1 male
 Connection 2: outside diameter 9 mm
 SW: 11 mm

Filling nipple, for grease gun head

M 10 x 1 male, Ø = 9 mm
 Diameter: 11 mm
 Length: 20 mm

12 670

Specification

- For PRESSOL grease filling systems



12 670

Technical data

Connection 1: M 10 x 1 male
 SW: 11 mm

Filling nipple for grease gun head

M 10 x 1a, Ø = 9 mm ball valve
 Diameter: 11 mm
 Length: 20 mm

12 672

Specification

- For PRESSOL grease filling systems



12 672

Grease guns and Accessories

Article no.

VARIOUS ACCESSORIES AND ACCESSORY SETS FOR GREASE GUNS

12 699

Wall mounting bracket, for grease guns

Dimension LWH (mm):
66 x 40 x 50

Technical data

Material: steel, galvanized

Specification

- For all PNEUMAxX grease guns, lever operated grease guns, air operated grease guns and to suit the oil gun and the gun for concrete works
- For one hand grease guns (12 250), (12 254), (12 270), (12 274)
- For suction guns (12 902) up to (12 910) with outside pipe diameter Ø 57 mm



12 699

17 020

Standard accessory set, M 10 x 1

Dimension LWH (mm):
320 x 130 x 57

Package:
robust sheet box, with bar code

Specification

- 1 robust steel box (00 126)
- 2 hydraulic couplers, 4 jaws, M 10 x 1 female (12 631)
- 1 universal coupler, for H- and K-nipples, M 10 x 1 female (12 002)
- 1 cone shaped nozzle, M 10 x 1 female, for funnel type grease nipples (12 003)
- 1 button head coupler for flat grease nipple, 16 mm / 0,62", DIN 3404, M1 + T1, M 10 x 1 female (12 004)
- 1 high pressure hose, M 10 x 1 male, 11 x 300 mm (12 655)
- 3 spouts, angled, M 10 x 1 male, 150 mm (12 635)
- 1 spout, straight, M 10 x 1 male, 150 mm (12 435)
- 1 angle 90°, M 10 x 1 female, M 10 x 1 male (12 035)
- 1 quick release adapter, M 10 x 1 female (12 006)
- 1 reducing socket, R 1/8" male, M 10 x 1 female (12 086)
- 3 hydraulic grease nipples each: H1: M 6 x 1 (15 007), M 8 x 1 (15 009), M 10 x 1 (15 013), G 1/8" male (15 037)
- 3 hydraulic grease nipples each: H2: M 6 x 1 (15 107 140), M 8 x 1 (15 109 140)



17 020

Specification

- 1 robust steel box (00 126)
- 2 hydraulic couplers, 4 jaws, G 1/8" female (12 731)
- 1 universal coupler, for H- and K-nipples, R 1/8" female, (12 072)
- 1 cone shaped nozzle, G 1/8" female, for funnel type grease nipples (12 073)
- 1 button head coupler, for button head grease nipple, 16 mm / 0,62", DIN 3404, M1 + T1, M 10 x 1 female (12 074)
- 1 high pressure hose, G 1/8" male, 11 x 300 mm (12 755)
- 3 spouts, angled, G 1/8" male, 150 mm (12 735)
- 1 spout, straight, G 1/8" male, 150 mm (12 475)
- 1 angle 90°, G 1/8" female, G 1/8" male (12 035 805)
- 1 quick release adapter, G 1/8" female (12 006 125)
- 1 reducing socket, G 1/8" female, M 10 x 1 male (12 016)
- 3 hydraulic grease nipples each: H1: M 6 x 1 (15 007), M 8 x 1 (15 009), M 10 x 1 (15 013), G 1/8" male (15 037)
- 3 hydraulic grease nipples each: H2: M 6 x 1 (15 107 140), M 8 x 1 (15 109 140)

Standard accessory set, G 1/8"

Dimension LWH (mm):

320 x 130 x 57

Package:

robust sheet box, with bar code

Article no.

17 020 125



17 020 125

Grease guns and Accessories

Article no.

VARIOUS ACCESSORIES AND ACCESSORY SETS FOR GREASE GUNS

17 023

Industrial accessory set, M 10 x 1

Dimension LWH (mm):

375 x 320 x 65

Package:

MULTIBOxx 050, with bar code

Specification

- 1 MULTIBOxx 050 (30 801)
- 1 button head coupler, for button head grease nipple, 22 mm / 0,86", DIN 3404, M 10 x 1 female (12 011)
- 1 button head coupler, for button head grease nipple, slide-on type, 16 mm / 0,62", DIN 3404, M1 + T1, M 10 x 1 female (12 001)
- 5 hydraulic couplers, 4 jaws, M 10 x 1 female (12 631)
- 5 precision machined couplers, 4 jaws, M 10 x 1 female (12 643)
- 5 universal couplers, M 10 x 1 female, for H- and K-nipples (12 002)
- 5 pointed couplers, M 10 x 1 female, for funnel type grease nipples (12 003)
- 5 filling nipples, for grease gun head, M 10 x 1 male, $\varnothing = 9$ mm (12 670)
- 3 angles 90°, M 10 x 1 female, M 10 x 1 male (12 035)
- 5 universal couplers, for push type guns, M 10 x 1 female (12 071)
- 5 reducing sockets, G 1/8" female, M 10 x 1 male (12 016)
- 5 reducing sockets, R 1/8" male, M 10 x 1 female (12 086)
- 5 spouts, straight, M 10 x 1 male, 150 mm (12 435)
- 5 spouts, angled, M 10 x 1 male, 150 mm (12 635)
- 1 wall-mounting bracket, for grease guns (12 699)
- 1 push type gun, 80 ml, steel, set, to suit H, K and D-nipples (12 362)
- 5 seals, for grease gun head, $\varnothing 1 = 60,2$ mm, $\varnothing 2 = 48$ mm, S = 2 mm (00 442)
- 5 high pressure hoses, M 10 x 1 male, 11 x 230 mm (12 751 123)
- 5 quick release adapters, M 10 x 1 female (12 006)
- 5 sleeves, M 10 x 1 female, M 10 x 1 female (18 016)
- 3 swivel joints, 1 x 360°, M 10 x 1 male, M 10 x 1 female (18 080 950)



17 023

Specification

- 1 MULTIBOxx 050 (30 801)
- 1 button head coupler, for button head grease nipple, 22 mm / 0,86", DIN 3404, G 1/8" female (12 011 125)
- 3 Button head couplers, for button head grease nipple, slide-on type, 16 mm / 0,62", DIN 3404, M1 + T1, G 1/8" female (12 001 125)
- 3 Button head couplers, for button head grease nipple, 10 mm / 0,39", DIN 3404, M4, G 1/8" female (12 053)
- 5 hydraulic couplers, 4 jaws, G 1/8" female (12 731)
- 5 precision machined couplers, 4 jaws, G 1/8" female (12 743)
- 5 universal couplers, R 1/8" α, for H- and K-nipples (12 072)
- 5 pointed couplers, R 1/8" female, for funnel type grease nipples (12 073)
- 5 filling nipples, for grease gun head, M 10 x 1 male, Ø = 9 mm (12 670)
- 3 angles 90°, G 1/8" female, G 1/8" male (12 035 805)
- 5 universal couplers, for push type guns, M 10 x 1 female (12 071)
- 5 reducing sockets, G 1/8" female, M 10 x 1 male (12 016)
- 5 reducing sockets, R 1/8" male, M 10 x 1 female (12 086)
- 5 spouts, straight, G 1/8" male, 150 mm (12 475)
- 5 spouts, angled, G 1/8" male, 150 mm (12 735)
- 1 wall-mounting bracket, for grease guns (12 699)
- 1 push type gun, 80 ml, steel, set, to suit H, K and D-nipples (12 362)
- 5 seals, for grease gun head, Ø1 = 60,2 mm, Ø2 = 48 mm, S = 2 mm (00 442)
- 5 high pressure hoses, G 1/8" male, 11 x 230 mm (12 751)
- 5 quick release adapters, M 10 x 1 female (12 006)
- 5 sleeves, G 1/8" female, G 1/8" female (18 017)
- 3 swivel joints, 1 x 360°, G 1/8" α, G 1/8" female (18 080)

Industrial accessory set, G 1/8"

Dimension LWH (mm):

375 x 320 x 65

Package:

MULTIBOxx 050, with bar code

Article no.

17 023 125



17 023 125

Grease guns and Accessories

Article no.

LUBRICANTS AND CARTRIDGES



12 501

12 501

Grease tub, 1 kg, NLGI 2

Diameter: 100 mm
Length: 185 mm
Package: metal tub, with bar code

Technical data

NLGI-Class: 2
Temperature range: from -30 °C up to +120 °C (for permanently lubricated bearings from -30 °C up to +80 °C)

12 511

Grease cartridge, 400 g, NLGI 2

acc. to DIN 1284
Diameter: 52 mm
Length: 240 mm
Package: cartridge, with bar code

Specification

- Multi-purpose grease, for sliding and roller bearing lubrication, under high load: water-resistant, acid-free



12 511

12 505 785

Grease cartridge, 500 g, NLGI 2

for 750 cm³ grease guns
Diameter: 52 mm
Length: 290 mm
Package: cartridge

12 507

Grease cartridge, 400 g, NLGI 2

with graphite, acc. to DIN 1284
Diameter: 52 mm
Length: 240 mm
Package: cartridge, with bar code

Technical data

NLGI-Class: 2
Temperature range: from -30 °C up to +120 °C (for permanently lubricated bearings from -30 °C up to +80 °C)

Specification

- Multi-purpose grease, G 20, with graphite, for lubrication of large sliding and roller bearings or gear drives incl. for heavily loaded sliding surfaces



12 507

12 516

Grease cartridge, 400 g, NLGI 2

high-temperature grease, DIN 1284
Diameter: 52 mm
Length: 240 mm
Package: cartridge, with bar code

Technical data

NLGI-Class: 2
Temperature range: from -35 °C up to +150 °C
Drop point: >220 °C

Specification

- Lubrication of anti-friction and friction bearings on generators and electric motors, fans, etc., also applicable in wheel hubs and clutch release bearings



12 516

Technical data

NLGI-Class: 3
 Temperature range: from -25 °C up to +150 °C
 Drop point: >220 °C

Grease cartridge, 400 g, NLGI 3

high-temperature grease, DIN 1284
 Diameter: 52 mm
 Length: 240 mm
 Package: cartridge, with bar code

Specification

- For lubrication of anti-friction and friction bearings under high mechanical load, such as wheel hubs and clutch release bearings
- Especially designed for the use in subtropical, tropical and very warm regions

Article no.

12 517



12 517

Technical data

NLGI-Class: 2
 Temperature range: from -35 °C up to +130 °C
 Drop point: 190 °C

Grease cartridge, 400 g, NLGI 2

friction bearing grease, with MoS₂, DIN 1284
 Diameter: 52 mm
 Length: 240 mm
 Package: cartridge, with bar code

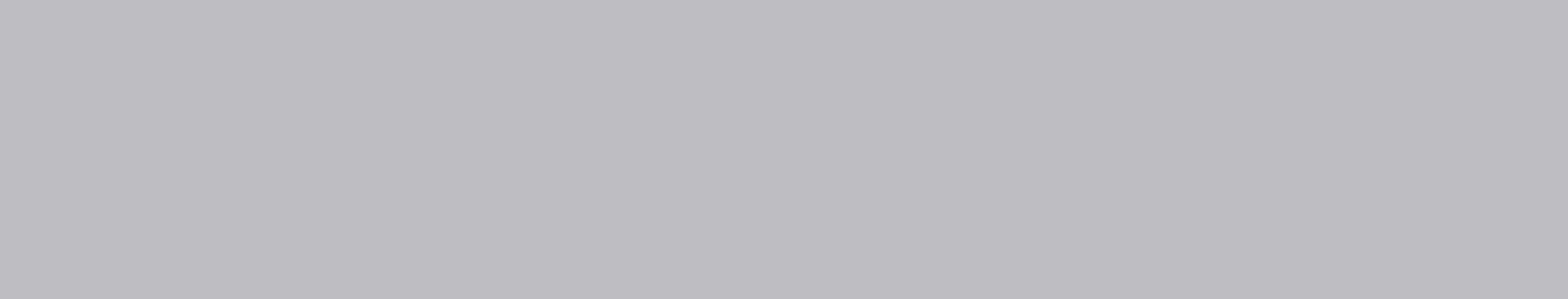
Specification

- Long-term heat and water resistant multipurpose silicon grease
- A solid lubricant additive improves the pressure absorption capacity and imparts emergency operation properties, therefore applicable also to pulsating loads, vibrations and oscillating motions.
- For lubrication of mechanical anti-friction and friction bearings, even with extreme sliding friction component
- Suitable for lubrication of vehicles, construction, industrial and agricultural machines

12 518



12 518



Push type guns / Suction guns



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Push type guns / Suction guns



12 321

12 322



12 331

12 332



12 112

Article no.

PUSH TYPE GUNS FOR GREASE

PUSH TYPE GUNS WITH POINTED COUPLER

12 321

Push type gun, 65 ml, plastic
for funnel type grease nipples
Diameter: 40 mm
Length: 210 mm

Technical data

Media: grease
Casing material: plastic
Coupler: pointed coupler
Connection: for funnel type
grease nipples,
DIN 3405

12 322

Push type gun, 150 ml, plastic
for funnel type grease nipples
Diameter: 50 mm
Length: 210 mm

Pressure: 20 bar

PUSH TYPE GUNS WITH POINTED AND UNIVERSAL COUPLER

12 331

Push type gun, 65 ml, plastic
for H- and K-nipples
Diameter: 40 mm
Length: 210 mm

Technical data

Media: grease
Casing material: plastic
Coupler: universal coupler
Connection: for hydraulic and
ball type grease
nipples,
DIN 71412,
DIN 3402

12 332

Push type gun, 150 ml, plastic
for H- and K-nipples
Diameter: 50 mm
Length: 210 mm

Pressure: 20 bar

PUSH TYPE GUNS FOR GREASE AND OIL

PUSH TYPE GUNS WITH POINTED AND UNIVERSAL COUPLER

12 112

Push type gun, 65 ml, plastic, set
for H, K- and D-nipples
Dimensions of package LWH (mm):
300 x 40 x 90

Technical data

Media: grease
Casing material: plastic
Coupler: pointed and
H and K type
universal coupler
Connection: for hydraulic and
ball type grease
nipples,
DIN 71412,
DIN 3402, for
funnel type grease
nipples, DIN 3405
Pressure: 20 bar
Volume of grease
paste tube: 50 g

Specification

- Push type gun, with grease paste sachet, 50 g
- Packed in polybag, with hanger
- With bar code

Technical data

Media: grease and oil
 Casing material: steel, galvanized
 Coupler: pointed and H and K type universal coupler
 Connection: for hydraulic and ball type grease nipples, DIN 71412, DIN 3402, for funnel type grease nipples, DIN 3405
 Pressure: 60 up to 80 bar

Specification

- Packed in single carton box
- With bar code

Push type gun, 80 ml, steel, set
 for H-, K- and D-nipples
 Dimensions of package LWH (mm):
 155 x 45 x 45

Push type gun, 150 ml, steel, set
 for H-, K- and D-nipples
 Dimensions of package LWH (mm):
 220 x 45 x 45

Push type gun, 300 ml, steel, set
 for H-, K- and D-nipples
 Dimensions of package LWH (mm):
 265 x 55 x 55

Article no.

12 362

12 363

12 365



12 362

12 363

Push type guns / Suction guns

SUCTION GUNS - SINGLE-ACTING, INDUSTRIAL VERSION

Technical data

Suction volume:	100%
Casing material:	nickel plated steel
Wall thickness:	1 mm
Diameter tubing outside:	56 mm
Surface treatment:	All steel and zinc parts are high quality nickel plated
Material of end caps:	zinc nickel plated
Length flexible hose:	470 mm
Diameter flexible hose outside:	13 mm
Material flexible hose:	PVC
Suction pipe length:	270 mm
Diameter of suction pipe outside:	13 mm
Material of suction pipe:	nickel plated steel
Material of suction cylinder:	LDPE (Polyethylene of low density)
Material of support plate:	PAGF 30 (PP glass-fibre reinforced)
Media:	oils up to SAE 150, windscreen fluid, engine coolant, petrol, brake fluid, water up to 80 °C, Diesel, fresh water

Note

- After 30.000 strokes still 100% suction performance
- The two-way plunger ensures a reliable suction of the liquid
- Ergonomic T grip handle
- Deep knurling ensures safe grip
- All metal parts coming in contact with media are high quality nickel plated

Article no.

Spezifikation

- Transparent flexible hose (12 954)
- Suction pipe (12 944)
- Suction piston (12 955)
- Packed in single carton box
- Sales package, with bar code

Suction gun, 500 ml

industrial version, nickel-plated
Capacity: 500 ml
Dimensions of package LWH (mm):
590 x 90 x 100

12 931



12 931

Suction gun, 1000 ml

industrial version, nickel-plated
Capacity: 1000 ml
Dimensions of package LWH (mm):
590 x 90 x 100

12 932



12 932

j

Push type guns / Suction guns

Article no.

SUCTION GUNS - SINGLE-ACTING

12 902

Suction gun, 500 ml
with plastic cover
Dimensions of package LWH (mm):
365 x 80 x 80

Technical data
Flexible hose: 350 mm
Casing material: steel, RST 1203
Colour: blue

Specification

- Transparent flexible hose
- Packed in single carton box
- With bar code

12 907

Suction gun, 500 ml
galvanized, with zinc caps
Packed in single carton box
Dimensions of package LWH (mm):
365 x 80 x 80

Technical data
Flexible hose: 350 mm
Casing material: steel, galvanized,
RST 1203
Material of
end caps: zinc

12 908

Suction gun, 1000 ml
galvanized, with zinc caps
Packed in polybag
Dimensions of package
Length: 480 mm
Diameter: 60 mm

Specification

- Transparent flexible hose
- With bar code

12 910

Suction gun, 500 ml
silver painted, zinc cap
Packed in single carton box
Dimensions of package LWH (mm):
365 x 80 x 80

Technical data
Flexible hose: 350 mm
Casing material: steel, RST 1203
Material of
end caps: zinc

Specification

- Transparent flexible hose
- With bar code



12 902



12 907

12 908



12 910

Article no.

Technical data

Length suction tube: 130 mm
 Media: fuels, oils, screen cleaners, cooling agents
 Casing material: brass, polished
 Material of end caps: zinc

Specification

- With angled spout
- Packed in polybag
- With bar code

Suction gun, 500 ml

brass polished, zinc caps
 Dimensions of package LWH (mm):
 Length: 340 mm
 Diameter: 55 mm

12 935



12 935



12 936

Suction gun, 1000 ml

brass polished, zinc caps
 Dimensions of package LWH (mm):
 460 x 60 x 95

12 936

Technical data

Flexible hose: 660 mm
 Scale graduation: 50 ml, inclining and declining
 Media: oils, lubricants
 Casing material: POM
 Material of end caps: zinc

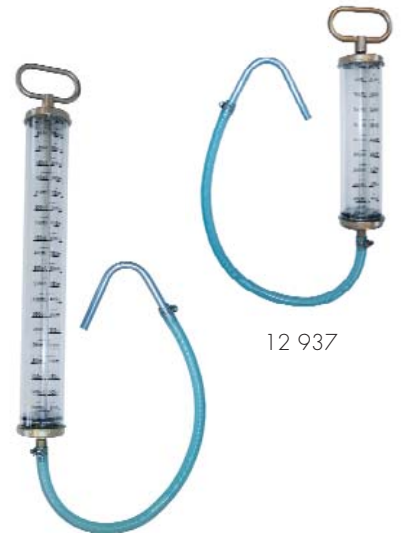
Specification

- With flexible hose, with angled spout
- For direct filling of gearboxes and difficult to access locations
- Packed in polybag
- With bar code

Suction gun, 500 ml

container, transparent, POM
 Dimensions of package LWH (mm):
 330 x 120 x 70

12 937



12 937

Suction gun, 1000 ml

container, transparent, POM
 Dimensions of package LWH (mm):
 540 x 120 x 70

12 938



12 938

SUCTION GUN - DOUBLE-ACTING

Technical data

Length flexible hose: 500 mm
 Quantity flexible hoses: 2
 Media: fuels, oils, screen cleaners, cooling agents
 Casing material: Aluminium, polished

Specification

- Transparent superflex spouts
- With 2 flexible hoses
- Packed in single carton box
- With bar code

Suction gun, 500 ml

double-acting, aluminium
 Dimensions of package LWH (mm):
 390 x 100 x 65

12 940



12 940

Push type guns / Suction guns

Article no.

ACCESSORIES FOR 12 902, 12 907, 12 908, 12 910, 12 931, 12 932

12 435

Spout, straight, M 10 x 1 male

Technical data

Diameter: 10 mm

Material: steel, galvanized

Length: 150 mm

Specification

- For: (12 902), (12 907), (12 908), (12 910)

12 635

Spout, angled, M 10 x 1 male

Diameter: 10 mm

Length: 150 mm

12 942

Spout, straight, 220 mm

Diameter: 10 mm

Length: 220 mm

12 944

Spout, straight, M 13 x 1 male

Technical data

270 mm for 12 931 and 12 932

Material: steel, galvanized

Diameter: 13 mm

Length: 270 mm

12 951

Flexible hose, transparent

Specification

Length: 350 mm

- For: (12 902), (12 907), (12 908), (12 910)

Diameter: 10 mm

12 954

Flexible hose, transparent

Technical data

Length: 470 mm

Material flexible hose: PVC

Diameter: 13 mm

Specification

- For: (12 931), (12 932)

12 955

Suction piston

Technical data

for 12 931, 12 932

Material of suction cylinder: LDPE (Polyethylene of low density)

Diameter outside: 56 mm

Dimensions of package LWH (mm):

90 x 70 x 40

Material of support plate: PAGF 30 (PP glass-fibre reinforced)

Specification

- For: (12 931), (12 932)



Lubrication systems, Grease filling systems, Trolleys



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Lubrication systems, Grease filling systems, Trolleys

MANUALLY OPERATED LUBRICATION 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 294c, blue satin
Connection hose/one hand grease gun:	quick release adapter Rectus, type 26 (17 601), with nonreturn 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

Note

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: Large handle of the follower plate ensures that it can be easily removed

Advantage 3: Our unique stabilising-fixing bracket system enables the grease supply pump to be easily attached to containers of different diameters without affecting benefit 1

Advantage 4: The advantages 1, 2 and 3 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



17 605

17 605

Manually operated lubrication system

5 kg container, Ø 180 - 210 mm
Follower plate: for 5 kg container
Ø follower plate: 180 up to 210 mm
Length suction tube: 510 mm
Dimensions of package LWH (mm):
670 x 420 x 100

Specification

- Dust cover (17 171), stabilising-fixing bracket (17 197) and follower plate (17 195)

17 610

Manually operated lubrication system

10 kg container, Ø 210 - 240 mm
Follower plate: for 10 kg container
Ø follower plate: 210 up to 240 mm
Length suction tube: 510 mm
Dimensions of package LWH (mm):
670 x 420 x 100

Specification

- Dust cover (17 171), stabilising-fixing bracket (17 197) and follower plate (17 230)

		Article no.
<p>Specification</p> <ul style="list-style-type: none"> Dust cover (17 176), stabilising-fixing bracket (17 197) and follower plate (17 265) 	<p>Manually operated lubrication system 15 kg container, Ø 240 - 270 mm Follower plate: for 15 kg container Ø follower plate: 240 up to 270 mm Length suction tube: 510 mm Dimensions of package LWH (mm): 670 x 420 x 100</p>	17 615
<p>Specification</p> <ul style="list-style-type: none"> Dust cover (17 176), stabilising-fixing bracket (17 197) and follower plate (17 285) 	<p>Manually operated lubrication system 15 kg container, Ø 270 - 290 mm Follower plate: for 15 kg container Ø follower plate: 270 up to 290 mm Length suction tube: 510 mm Dimensions of package LWH (mm): 670 x 420 x 100</p>	17 617
<p>Specification</p> <ul style="list-style-type: none"> Dust cover (17 176), stabilising-fixing bracket (17 197) and follower plate (17 275) 	<p>Manually operated lubrication system 18 kg container, Ø 266 - 291 mm Follower plate: for 18 kg container Ø follower plate: 266 up to 291 mm Length suction tube: 510 mm Dimensions of package LWH (mm): 670 x 420 x 100</p>	17 618
<p>Specification</p> <ul style="list-style-type: none"> Dust cover (17 176), stabilising-fixing bracket (17 197) and follower plate (17 300) 	<p>Manually operated lubrication system 20 kg container, Ø 270 - 310 mm Follower plate: for 20 kg container Ø follower plate: 270 up to 310 mm Length suction tube: 510 mm Dimensions of package LWH (mm): 670 x 420 x 100</p>	17 620
<p>Specification</p> <ul style="list-style-type: none"> Dust cover (17 194), stabilising-fixing bracket (17 199) and follower plate (17 320) 	<p>Manually operated lubrication system 25 kg container, Ø 310 - 335 mm Follower plate: for 25 kg container Ø follower plate: 310 up to 335 mm Length suction tube: 680 mm Dimensions of package LWH (mm): 800 x 480 x 100</p>	17 625
<p>Specification</p> <ul style="list-style-type: none"> Dust cover (17 194), stabilising-fixing bracket (17 199) and follower plate (17 325) 	<p>Manually operated lubrication system 25 kg container, Ø 300 - 350 mm Follower plate: for conical plastic containers, 25 kg Ø follower plate: 300 up to 350 mm Length suction tube: 680 mm Dimensions of package LWH (mm): 800 x 480 x 100</p>	17 632



17 615

k

Lubrication systems, Grease filling systems, Trolleys



17 660



17 601



17 003

Article no.

MANUALLY OPERATED LUBRICATION SYSTEMS

17 660

Manually operated lubrication system

50 kg container, Ø 335 - 385 mm
 Follower plate: for 50 kg container
 Ø follower plate: 335 up to 385 mm
 Length suction tube: 680 mm
 Dimensions of package LWH (mm):
 800 x 480 x 100

Specification

- Dust cover (17 198),
 stabilising-fixing bracket (17 199)
 and follower plate (17 380)

ACCESSORIES FOR MANUALLY OPERATED LUBRICATION SYSTEMS

17 601

Quick connecting coupler Rectus

type 26, connection 13 mm male
 Diameter: 26 mm
 Length: 60 mm

Technical data

Connection 1: Rectus coupling,
 type 26
 Connection 2: for hoses, DN 13
 Function: one-way shut-off
 Sealing: Perbunan
 Nominal width: 7,2 mm
 SW: 21 mm
 Temperature range: -20 °C up to
 +100 °C
 Pressure range: 0 up to 35 bar,
 and rough
 vacuum
 Material: brass

17 003

Discharge hose, DN 13, 20 mm male

NBR, 1500 mm, 10 bar
 Diameter: 20 mm
 Length: 1500 mm

Technical data

Material: NBR,
 with textile insert,
 13 x 3,5 mm
 Operating pressure: 10 bar
 Burst pressure: 40 bar
 Temperature
 stability: -10 °C up to
 +50 °C

17 003 001

Discharge hose, DN 13, 20 mm male

NBR, 2000 mm, 10 bar
 Diameter: 20 mm
 Length: 2000 mm

17 003 002

Discharge hose, DN 13, 20 mm male

NBR, 3000 mm, 10 bar
 Diameter: 20 mm
 Length: 3000 mm

Article no.

17 600



17 600

Technical data

Diameter of piston: 8 mm
 Actuation grease piston: manual, by means of pressure grip
 Delivery rate / stroke: 0,4 cm³
 Discharge pressure: up to 550 bar
 Grease gun connection, pressure-side: M 10 x 1
 Burst pressure system: 850 bar
 Burst pressure grease gun head: 1200 bar
 Connection filling-side: Male quick release adapter, for Rectus coupling, type 26
 Capacity: 125 cm³
 Wall thickness of grease gun tube: 1 mm
 Surface: galvanized

One hand operated grease gun, EHFP
 with Rectus male quick connecting adapter, type 26
 Dimensions of package LWH (mm): 320 x 150 x 40

Note

- Suitable for greases up to NLGI 2
- Acc. to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 5000 actuating cycles
- Grease gun head, zinc die casting Z 410
- High-speed ventilation, by half a rotation of the grease gun tube

Specification

- For: (17 605), (17 610), (17 615), (17 617), (17 618), (17 620), (17 625), (17 632), (17 660)
- Spout, straight, M 10 x 1, 150 mm (12 435)
- Coupler, 4 jaws, M 10 x 1 (12 631)
- Packed in single carton box

Lubrication systems, Grease filling systems, Trolleys

MANUALLY OPERATED HIGH PRESSURE GREASE PUMPS

Technical data

Flow media:	lubricating greases, up to NLGI 2
Delivery rate / stroke:	3,8 cm ³
Discharge hose:	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
Lacquering dust cover:	Pantone 294c, blue satin

Note

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: Large handle of the follower plate ensures that it can be easily removed

Advantage 3: Our unique stabilising-fixing bracket system enables the grease supply pump to be easily attached to containers of different diameters without affecting benefit 1

Advantage 4: The advantages 1, 2 and 3 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
- High pressure grease hose, 11 x 1500 mm
- Spout, angled, G 1/8", 150 mm (12 735)
- Coupler, 4 jaws, G 1/8" (12 731)
- Robust carrying handle
- Packed in single carton box



17 693

High pressure grease pump

15 kg container, Ø 240 - 270 mm
Length suction tube: 475 mm
Follower plate: for 15 kg container
Ø follower plate: 240 up to 270 mm
Dimensions of package LWH (mm):
670 x 420 x 100

Specification

- Dust cover (17 172),
stabilising-fixing bracket (17 197)
and follower plate (17 265)

17 694

High pressure grease pump

20 kg container, Ø 270 - 310 mm
Length suction tube: 475 mm
Follower plate: for 20 kg container
Ø follower plate: 270 up to 310 mm
Dimensions of package LWH (mm):
670 x 420 x 100

Specification

- Dust cover (17 176),
stabilising-fixing bracket (17 197)
and follower plate (17 300)

Technical data

Flow media:	lubricating greases, up to NLGI 2
Delivery rate / stroke:	3,8 cm ³
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
Lacquering dust cover:	Pantone 294c, blue satin
Dimensions of package LWH (mm):	670 x 420 x 100

Note

- Cover protects against dust and dirt
- Large handle ensures easy removal of the grease follow up plate
- The distance between the manual lever and the dust cover ensures safe operation

Specification

- Manually operated pump for grease supply
- Pump
- Suction tube
- Spout, angled, G 1/8", 150 mm (12 735)
- Coupler, 4 jaws, G 1/8" (12 731)
- Robust carrying handle
- Packed in single carton box

Specification

- Dust cover, with integral pump fixing bracket, fixing screws (17 181) and follower plate (17 265)
- High pressure grease hose, 11 x 1200 mm

High pressure grease pump

15 kg container, Ø 240 - 270 mm
 Follower plate: for 15 kg container
 Ø follower plate: 240 up to 270 mm
 Length suction tube: 370 mm

17 693 698

Specification

- Dust cover (17 176), stabilising-fixing bracket (17 197) and follower plate (17 275)
- High pressure grease hose, 11 x 1500 mm

High pressure grease pump

18 kg container, Ø 266 - 291 mm
 Container: JOKEY type
 Follower plate: for 18 kg container
 Ø follower plate: 266 up to 291 mm
 Length suction tube: 475 mm

17 694 950



17 693 698

Lubrication systems, Grease filling systems, Trolleys



17 790

Article no.

MANUALLY OPERATED OIL AND GREASE DISPENSER UNITS, MOBILE

17 790

Oil dispensing unit, mobile

16 l container, manually operated

Dimension LWH (mm):

500 x 260 x 600

Technical data

Flow media: oils, up to SAE 40

Delivery

rate / stroke: 85 cm³

Oil delivery: utilizing a hand pump

Container capacity: 16 l

Container diameter: 220 mm

Container height: 380 mm

Filling: manual, utilizing a removable pump

Discharge: through discharge hose and steel discharge spout

Surface treatment: all steel components are galvanized

Pump head: impact-resistant zinc die casting

Lacquering container and cover: RAL 7040, window grey satin

Specification

- For oils, up to SAE 40, self-lubricating, non-aggressive media
- Discharge hose, 2000 mm, with steel discharge spout
- Two fixed wheels and foot rest
- Lacquering, oil-resistant
- Portable, with robust handle
- Suction tube, with pump
- Container cover, with drip opening

Technical data

Flow media: lubricating greases, up to NLGI 2

Delivery rate / stroke: 10 cm³

Discharge pressure: 25 bar

Grease supply: utilizing a hand pump

Container capacity: 16 kg

Container diameter: 220 mm

Container height: 380 mm

Filling: manual, utilizing a removable pump

Discharge hose: high pressure hose, 11 x 1500 mm

Surface treatment: all steel components are galvanized

Pump head: impact-resistant zinc die casting

Lacquering container and cover: RAL 7040, window grey satin

Specification

- High pressure grease hose, 11 x 1500 mm
- Spout, angled, M 10 x 1, 150 mm
- Coupler, 4 jaws, M 10 x 1 (12 631)
- Shut-off valve
- 2 fixed wheels and foot rest
- Lacquering, oil-resistant
- Portable, with robust handle
- Pump
- Suction tube, with follow-up plate

Grease dispenser unit, mobile

16 kg container, manually operated

Dimension LWH (mm): 500 x 260 x 600

Article no.

17 792



17 792

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Lubrication systems, Grease filling systems, Trolleys

Article no.

MANUALLY OPERATED OIL AND GREASE DISPENSER UNITS, MOBILE

17 794



17 794

Oil dispensing unit, mobile

24 l container, manually operated
Dimension LWH (mm):
350 x 350 x 850
Dimensions of package LWH (mm):
960 x 400 x 400

Technical data

Flow media: oils, up to SAE 90
Delivery rate / stroke: 250 cm³
Container capacity: 24 l
Oil delivery: utilizing a hand pump
Discharge: through discharge hose and steel discharge spout with a 1 1/2" sealing cap
Filling: all steel
Surface treatment: components are galvanized
Pump housing: steel
Lacquering container: RAL 7040, window grey satin

Specification

- For oils, up to SAE 90, self-lubricating, non-aggressive media
- Discharge hose, transparent, 2000 mm
- Steel discharge spout, 105° angled
- Nozzle valve mounting, with drip tray, integrated in the protection cap
- Robust moving handle
- 2 fixed rear wheels
- Lacquering, oil-resistant
- Packed in single carton box

17 796



17 796

Oil dispensing unit, mobile

24 l, pneumatic delivery
Dimension LWH (mm):
350 x 350 x 750
Dimensions of package LWH (mm):
850 x 400 x 400

Technical data

Container capacity: 24 l
Compressed air connection: to suit male Rectus quick release airline connector, type 26
NW: 7,2 mm
Oil delivery: by compressed air buffer, max. 7 bar
Filling: G 1 1/2", sealing cap
Dispensing: manual valve
Lacquering: RAL 7040, window grey satin
Media: engine oils and lubricants, gear oil

Specification

- Discharge hose, 2 m
- Control valve, with steel discharge spout
- Control valve storage bracket, with drip tray (19 402)
- Safety valve
- 2 fixed rear wheels
- Lacquering, oil-resistant

**MANUALLY OPERATED OIL DISPENSER UNITS,
PORTABLE**

Technical data

Flow media: oils, up to SAE 40
 Delivery rate / stroke: 85 cm³
 Oil delivery: utilizing a hand pump
 Filling: manual, utilizing a removable pump
 Discharge: through discharge hose and steel discharge spout
 Surface treatment: all steel components are galvanized
 Pump head: impact-resistant zinc die casting
 Lacquering container and cover: RAL 7040, window grey satin

Specification

- Oils, up to SAE 40, self-lubricating, non-aggressive media
- Discharge hose, 2000 mm, with steel discharge spout
- With foot rest
- Lacquering, oil-resistant
- Portable, with robust handle
- Suction tube, with pump
- Container cover, with drip opening

Oil dispensing unit, portable

8 l container, manually operated
 Container diameter: 145 mm
 Container height: 380 mm
 Dimension LWH (mm): 480 x 160 x 600

Oil dispensing unit, portable

12 l container, manually operated
 Container diameter: 185 mm
 Container height: 380 mm
 Dimension LWH (mm): 480 x 200 x 600

Oil dispensing unit, portable

16 l container, manually operated
 Container diameter: 220 mm
 Container height: 380 mm
 Dimension LWH (mm): 500 x 260 x 600

Article no.

17 781

17 783

17 785



17 781

Lubrication systems, Grease filling systems, Trolleys



17 786

Article no.

MANUALLY OPERATED GREASE DISPENSER UNITS, PORTABLE

17 786

Grease dispenser unit, portable

8 kg container, manually operated
Container diameter: 145 mm
Container height: 380 mm
Dimension LWH (mm):
480 x 160 x 600

Technical data

Flow media: lubricating greases, up to NLGI 2

Delivery rate / stroke: 10 cm³

Discharge pressure: 25 bar

Grease supply: utilizing a

17 788

Grease dispenser unit, portable

12 kg container, manually operated
Container diameter: 185 mm
Container height: 380 mm
Dimension LWH (mm):
480 x 200 x 600

Filling: manual, utilizing a removable pump

Discharge hose: high pressure hose, 11 x 1500 mm

Surface treatment: all steel components are galvanized

17 791

Grease dispenser unit, portable

16 kg container, manually operated
Container diameter: 220 mm
Container height: 380 mm
Dimension LWH (mm):
500 x 260 x 600

Pump head: impact-resistant zinc die casting

Lacquering container and cover: RAL 7040, window grey satin

Specification

- High pressure grease hose, 11 x 1500 mm
- Spout, angled, M 10 x 1, 150 mm
- Coupler, 4 jaws, M 10 x 1 12 631
- Shut-off valve
- With foot rest
- Lacquering, oil-resistant
- Portable, with robust handle
- Pump
- Suction tube, with follow-up plate

GREASE SUPPLY UNIT, MOBILE

Technical data

Flow media: lubricating greases, up to NLGI 2

Discharge hose: high pressure hose, 11 x 1500 mm

Grease supply: utilizing a foot pump

Delivery rate / stroke: 8 cm³

Discharge pressure: 150 bar

Filling: manual, utilizing a removable filling cap

Container diameter: 220 mm

Container height: 380 mm

Container capacity: 15 kg

Pump head: steel

Pump body: Aluminium

Lacquering container: RAL 7040, window grey satin

Grease supply unit, mobile

15 kg container, foot-operated pump

Dimensions of package LWH (mm): 380 x 360 x 700

Article no.

17 793



17 793

Specification

- High pressure grease hose, 11 x 1500 mm
- Spout, angled, M 10 x 1, 150 mm
- Coupler, 4 jaws, M 10 x 1 (12 631)
- Manual shut-off valve
- 2 fixed wheels and robust adjustable foot
- Lacquering, oil-resistant
- Pump, grease follow-up piston, with spring
- Robust moving handle
- Packed in single carton box

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Lubrication systems, Grease filling systems, Trolleys

GREASE GUN FILLING SYSTEMS

Technical data

Flow media:	lubricating greases, up to NLGI 2
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 lever, one hand and air operated grease guns
Surface treatment:	all steel components are galvanized
Pump head:	impact-resistant zinc die casting
Pump body:	steel
Lacquering dust cover:	Pantone 294c, blue satin

Specification

- Manually operated
- 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

Note

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 benefit 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



17 805

17 805

Grease gun filling system

5 kg container, Ø 180 - 210 mm
Dimensions of package LWH (mm):
670 x 420 x 100

Technical data

Length suction tube: 510 mm
Follower plate: for 5 kg container
Ø follower plate: 180 up to 210 mm

Specification

- Dust cover (17 171), stabilising-fixing bracket (17 197) and follower plate (17 195)

Article no.

Technical data

Length suction tube: 510 mm
 Follower plate: for 10 kg container
 Ø follower plate: 210 up to 240 mm

Specification

- Dust cover (17 171), stabilising-fixing bracket (17 197) and follower plate (17 230)

Grease gun filling system

10 kg container, Ø 210 - 240 mm
 Dimensions of package LWH (mm): 670 x 420 x 100

17 810



17 810

Technical data

Length suction tube: 510 mm
 Follower plate: for 15 kg container
 Ø follower plate: 240 up to 270 mm

Specification

- Dust cover (17 176), stabilising-fixing bracket (17 197) and follower plate (17 265)

Grease gun filling system

15 kg container, Ø 240 - 270 mm
 Dimensions of package LWH (mm): 670 x 420 x 100

17 815

Grease gun filling system

15 kg container, Ø 240 - 270 mm, with accessories, with grease gun (12 734 804)
 Dimensions of package LWH (mm): 670 x 420 x 100

17 815 653



17 815 653

Technical data

Length suction tube: 510 mm
 Follower plate: for 15 kg container
 Ø follower plate: 270 up to 290 mm

Specification

- Dust cover (17 176), stabilising-fixing bracket (17 197) and follower plate (17 285)

Grease gun filling system

15 kg container, Ø 270 - 290 mm
 Dimensions of package LWH (mm): 670 x 420 x 100

17 817

Technical data

Length suction tube: 510 mm
 Follower plate: for 20 kg container
 Ø follower plate: 270 up to 310 mm

Specification

- Dust cover (17 176), stabilising-fixing bracket (17 197) and follower plate (17 300)

Grease gun filling system

20 kg container, Ø 270 - 310 mm
 Dimensions of package LWH (mm): 670 x 420 x 100

17 820



17 820

Lubrication systems, Grease filling systems, Trolleys

Article no.

GREASE FILLING SYSTEMS

17 825

Grease gun filling system

25 kg container, Ø 310 - 335 mm
Dimensions of package LWH (mm):
670 x 420 x 100

Technical data

Length suction tube: 680 mm
Follower plate: for 25 kg
container
Ø follower plate: 310 up to
335 mm

Specification

- Dust cover (17 194),
stabilising-fixing bracket (17 199)
and follower plate (17 320)



17 825

17 850

Grease gun filling system

50 kg container, Ø 335 - 385 mm
Dimensions of package LWH (mm):
800 x 420 x 100

Technical data

Length suction tube: 680 mm
Follower plate: for 50 kg
container
Ø follower plate: 335 up to
385 mm

Specification

- Dust cover (17 198),
stabilising-fixing bracket (17 199)
and follower plate (17 380)

ACCESSORIES FOR GREASE GUN FILLING SYSTEMS

00 816

Recharging valve

for grease gun filling systems
Diameter: 24 mm
Length: 90 mm

Technical data

Connection 1: M 20 x 1 male
Connection 2: for filling nipple
(12 670)
Surface treatment: steel, galvanized

Specification

- For grease filling systems
(17 618), (17 805), (17 810),
(17 815), (17 815 653), (17 817),
(17 818), (17 820), (17 825),
(17 825 950), (17 850)



00 816

Technical data

Flow media:	lubricating greases, up to NLGI 2
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 lever, one hand and air operated grease guns
Surface treatment:	all steel components are galvanized
Pump head:	impact-resistant zinc die casting
Pump body:	steel
Lacquering dust cover:	Pantone 294c, blue satin
Dimensions of package LWH (mm):	670 x 420 x 100

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

Note

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 benefit 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

- Dust cover (17 176), stabilising-fixing bracket (17 197) and follower plate (17 275)

Grease gun filling system, manually operated

18 kg container, Ø 266 - 291 mm
 Container: JOKEY type
 Follower plate: for 18 kg container
 Ø follower plate: 266 up to 291 mm
 Length suction tube: 510 mm

17 818

Specification

- Dust cover, with integral pump fixing bracket, fixing screws (17 184) and follower plates (17 325)

Grease gun filling system, manually operated

25 kg container, Ø 300 - 350 mm
 Follower plate:
 for conical plastic containers, 25 kg
 Ø follower plate: 300 up to 350 mm
 Length suction tube: 680 mm

17 825 950



17 825 950

Lubrication systems, Grease filling systems, Trolleys

FILLING SYSTEMS, FOR CENTRALIZED LUBRICATION SYSTEMS WITH CONNECTING COUPLER

Technical data

Pumping 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 294c, blue satin

Note

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: Large handle of the follower plate ensures that it can be easily removed

Advantage 3: Our unique stabilising-fixing bracket system enables the grease supply pump to be easily attached to containers of different diameters without affecting benefit 1

Advantage 4: The advantages 1, 2 and 3 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

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17 034

17 034

Filling system, for ZSA

5 kg container, Ø 180 - 210 mm
Dimensions of package LWH (mm)
670 x 420 x 100

Technical data

Length suction tube: 510 mm
Follower plate: for 5 kg container
Ø follower plate: 180 up to 210 mm

Specification

- Dust cover (17 171), stabilising-fixing bracket (17 197) and follower plate (17 195)

17 036

Filling system, for ZSA

10 kg container, Ø 210 - 240 mm
Dimensions of package LWH (mm):
670 x 420 x 100

Technical data

Length suction tube: 510 mm
Follower plate: for 10 kg container
Ø follower plate: 210 up to 240 mm

Specification

- Dust cover (17 171), stabilising-fixing bracket (17 197) and follower plate (17 230)

		Article no.
<p>Technical data</p> <p>Length suction tube: 510 mm</p> <p>Follower plate: for 15 kg container</p> <p>Ø follower plate: 240 up to 270 mm</p> <p>Specification</p> <ul style="list-style-type: none"> Dust cover (17 176), stabilising-fixing bracket (17 197) and follower plate (17 265) 	<p>Filling system, for ZSA</p> <p>15 kg container, Ø 240 - 270 mm</p> <p>Dimensions of package LWH (mm): 670 x 420 x 100</p>	17 012
<p>Technical data</p> <p>Length suction tube: 510 mm</p> <p>Follower plate: for 15 kg container</p> <p>Ø follower plate: 240 up to 270 mm</p> <p>Specification</p> <ul style="list-style-type: none"> Dust cover (17 176), stabilising-fixing bracket (17 197) and follower plate (17 265) 	<p>Filling system, for ZSA</p> <p>15 kg container, Ø 240 - 270 mm</p> <p>Dimensions of package LWH (mm): 670 x 420 x 100</p>	17 012 952
<p>Technical data</p> <p>Length suction tube: 510 mm</p> <p>Follower plate: for 18 kg container</p> <p>Ø follower plate: 266 up to 291 mm</p> <p>Specification</p> <ul style="list-style-type: none"> Dust cover (17 176), stabilising-fixing bracket (17 197) and follower plate (17 275) 	<p>Filling system, for ZSA</p> <p>18 kg container, Ø 266 - 291 mm</p> <p>Dimensions of package LWH (mm): 670 x 420 x 100</p>	17 012 950
<p>Technical data</p> <p>Length suction tube: 510 mm</p> <p>Follower plate: for 20 kg container</p> <p>Ø follower plate: 270 up to 310 mm</p> <p>Specification</p> <ul style="list-style-type: none"> Dust cover (17 176), stabilising-fixing bracket (17 197) and follower plate (17 300) 	<p>Filling system, for ZSA</p> <p>20 kg container, Ø 270 - 310 mm</p> <p>Dimensions of package LWH (mm): 670 x 420 x 100</p>	17 037
<p>Technical data</p> <p>Length suction tube: 680 mm</p> <p>Follower plate: for 25 kg container</p> <p>Ø follower plate: 310 up to 335 mm</p> <p>Specification</p> <ul style="list-style-type: none"> Dust cover (17 194), stabilising-fixing bracket (17 199) and follower plate (17 320) 	<p>Filling system, for ZSA</p> <p>25 kg container, Ø 310 - 335 mm</p> <p>Dimensions of package LWH (mm): 800 x 420 x 100</p>	17 014



17 037

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Lubrication systems, Grease filling systems, Trolleys



17 014 954



17 038



17 044



01 297

Article no.

FILLING SYSTEMS, FOR CENTRALIZED LUBRICATION SYSTEMS WITH CONNECTING COUPLER

17 014 950

Filling system, for ZSA

25 kg container, Ø 300 - 350 mm
Dimensions of package LWH (mm):
800 x 420 x 100

Technical data

Length suction tube: 680 mm
Follower plate: for conical plastic
containers, 25 kg
Ø follower plate: 300 up to
350 mm

Specification

- Dust cover, with integral pump fixing bracket, fixing screws (17 184) and follower plates (17 325)

17 014 954

Filling system, for ZSA

25 kg container, Ø 300 - 350 mm
Dimensions of package LWH (mm):
800 x 420 x 100

Technical data

Length suction tube: 680 mm
Follower plate: for conical plastic
containers, 25 kg
Ø follower plate: 300 up to
350 mm

Specification

- Dust cover (17 194), stabilising-fixing bracket (17 199) and follower plate (17 325)
- Spout, straight, G 1/8" a, 150 mm (12 475)
- 16 mm, button head coupler (12 074)
- Male quick release adapter (17 044)
- Reducer (18 093)
- Spout, button head coupler, plug and reducer mounted

17 038

Filling system, for ZSA

50 kg container, Ø 335 - 385 mm
Dimensions of package LWH (mm):
800 x 420 x 100

Technical data

Length suction tube: 680 mm
Follower plate: for 50 kg
container
Ø follower plate: 335 up to
385 mm

Specification

- Dust cover (17 198), stabilising-fixing bracket (17 199) and follower plate (17 380)

ACCESSORIES FOR CENTRALIZED LUBRICATION SYSTEMS WITH CONNECTING COUPLER

17 044

Male quick release adapter G 1/4" female, type 72

Diameter: 22 mm
Length: 39 mm

Technical data

Material: brass




Specification

- To connect to a centralized lubrication system





01 297

Female quick release adapter

type 72, G 1/4" female
Diameter: 29 mm
Length: 58 mm

		Article no.
<p>Technical data</p> <p>Connection: for Rectus connector, type 72</p> <p>Specification</p> <ul style="list-style-type: none"> • Male quick release adapter (17 044) • To connect to female quick release adapter (01 297) • For centralized lubrication system, without standard filling connector 	<p>Steel discharge spout</p> <p>male quick release adaptor, Rectus type 72</p> <p>Dimension LWH (mm): 215 x 80 x 20</p>	<p>17 045</p> 
<p>Technical data</p> <p>Material: NBR, with textile insert, 13 x 3,5 mm</p> <p>Operating pressure: 10 bar</p> <p>Burst pressure: 40 bar</p> <p>Temperature resistance: -10 °C up to +50 °C</p>	<p>Discharge hose, DN 13, 20 mm male</p> <p>NBR, 1500 mm, 10 bar</p> <p>Diameter: 20 mm</p> <p>Length: 1500 mm</p> <p>Discharge hose, DN 13, 20 mm male</p> <p>NBR, 2000 mm, 10 bar</p> <p>Diameter: 20 mm</p> <p>Length: 2000 mm</p> <p>Discharge hose, DN 13, 20 mm male</p> <p>NBR, 3000 mm, 10 bar</p> <p>Diameter: 20 mm</p> <p>Length: 3000 mm</p>	<p>17 003</p>  <p>17 003 001</p>  <p>17 003 002</p>



TROLLEYS AND ACCESSORIES		
	<p>Rubber retaining strap</p> <p>for trolley (17 008)</p> <p>Dimension LWH (mm): 800 x 35 x 35</p>	<p>17 000</p> 
<p>Specification</p> <ul style="list-style-type: none"> • Four castor wheels 	<p>Container mount, cross shaped</p> <p>for containers, max. Ø 560 mm</p> <p>Dimension LWH (mm): 560 x 560 x 175</p>	<p>17 021</p> 
<p>Specification</p> <ul style="list-style-type: none"> • Two wheels 	<p>Trolley, for containers</p> <p>for container 5, 10, 15 kg</p> <p>Dimension LWH (mm): 200 x 350 x 1000</p>	<p>17 004</p> 
<p>Specification</p> <ul style="list-style-type: none"> • Robust, high quality trolley, easy to handle and quiet running • Two wheels • Rubber retaining strap (17 000) • Hose storage rack 	<p>Trolley, for containers</p> <p>for container 5, 10, 15, 25, 50 kg</p> <p>Dimension LWH (mm): 550 x 500 x 1000</p>	<p>17 008</p> 

Lubrication systems, Grease filling systems, Trolleys



17 195



17 325



17 197

Article no.

ACCESSORIES FOR MANUALLY AND AIR OPERATED LUBRICATION SYSTEMS, GREASE GUN FILLING SYSTEMS

FOLLOWER PLATES, INNER DIAMETER APPROX. 35,5 MM

17 195

Follower plate

5 kg container, Ø 180-210 mm

Technical data

Material: metal

Inside diameter: 35,5 mm

17 230

Follower plate

10 kg container, Ø 210-240 mm

Specification

- Wrap-around rubber sealing lip

17 265

Follower plate

15 kg container, Ø 240 - 270 mm

17 275

Follower plate

18 kg container, Ø 240 - 290 mm

17 285

Follower plate

20 kg container, Ø 270 - 290 mm

17 300

Follower plate

20 kg container, Ø 270 - 310 mm

17 320

Follower plate

25 kg container, Ø 310 - 335 mm

17 325

Follower plate, conical

25 kg container, Ø 300 - 350 mm

17 350

Follower plate

30 kg container, Ø 335 - 360 mm

17 380

Follower plate

50 kg container, Ø 335 - 385 mm

17 400

Follower plate

60 kg container, Ø 385 - 405 mm

STABILISING-FIXING BRACKETS

17 197

Stabilising-fixing bracket

for 5 up to 20 kg, Ø 180 - 310 mm

Dimension LWH (mm):

250 x 210 x 55

Technical data

Material: metal

Inside diameter: 35,5 mm

17 199

Stabilising-fixing bracket

for 25 up to 60 kg, Ø 310 - 405 mm

Dimension LWH (mm):

350 x 300 x 55

Specification

- Adjustable to suit different container sizes
- Clamp with butterfly screws, for fastening the pump pipes

DUST COVERS

Technical data

Material: metal
 Inside diameter: 35,5 mm
 Lacquering: Pantone 294c, blue satin

Specification

- Integral grease gun holder

Dust cover

5 up to 10 kg container, Ø 252 mm

Dust cover

5 up to 10 kg container, Ø 282 mm

Dust cover

15 up to 20 kg container, Ø 342 mm

Dust cover

25 up to 60 kg container, Ø 385 mm

Dust cover

50 up to 60 kg container, Ø 450 mm

Dust cover, conical

25 kg container, Ø 385 mm
 G 2" male, barrel screw coupling and fixing bolt

Article no.

17 171

17 172

17 176

17 194

17 198

17 184



17 171



17 184

LUBRICATION SYSTEM

Technical data

Flow media: lubricating greases, up to NLGI 2
 Delivery volume/ stroke high volume: 1,35 cm³
 Discharge pressure high volume: max: 170 bar
 Delivery volume/ stroke low volume: 0,5 cm³
 Discharge pressure low volume: max: 690 bar

Specification

- Discharge hose 1500 mm / Perbunan with textile insert
- Carrying handle
- Foot/spring pedal pump, follower plate, dust cover and fixing screws
- Pre-adjustable high pressure one hand grease gun with double delivery system, high volume 1,35 cm³, max. 170 bar, lower volume 0,5 cm³, max. 690 bar
- Swivel connector
- Angled spout with coupler
- Packed in single carton box

Lubrication system

5 kg GDE, empty, Ø 180 - 205 mm
 Grease supply: footpump operated
 Container capacity: 5 kg
 Material of container: polypropylene
 Suction pipe length: 195 mm
 Container diameter: 195 mm
 Container height: 210 mm
 Filling: manual, utilizing a removable pump
 Surface treatment: all steel components are galvanized

Lubrication system

5 kg GDE, Ø 180 - 205 mm
 Suction pipe length: 250 mm
 Filling: manual, utilizing a removable pump
 Surface treatment: all steel components are galvanized

17 505

17 505 390



17 505



17 505 390

Grease nipples



HYDRAULIC GREASE NIPPLES H1, STRAIGHT, 180°, ACC. TO DIN 71412, HARDENED, GALVANIZED, HEXAGON VERSION **200 - 202**

HYDRAULIC GREASE NIPPLES H1, STRAIGHT, 180°, ACC. TO DIN 71412, HARDENED, STAINLESS STEEL, HEXAGON VERSION **202**

HYDRAULIC GREASE NIPPLES H1 A, STRAIGHT, 180°, ROUND, ACC. TO DIN 71412, HARDENED, GALVANIZED, DRIVE FIT VERSION **203**

HYDRAULIC GREASE NIPPLES H2, 45°, ACC. TO DIN 71412, HARDENED, GALVANIZED, HEXAGON VERSION **203 - 205**

HYDRAULIC GREASE NIPPLES H2, 45°, ACC. TO DIN 71412, HARDENED, GALVANIZED, SQUARE VERSION **205 - 2066**

HYDRAULIC GREASE NIPPLES H2, 45°, STAINLESS STEEL, HEXAGON VERSION **206**

HYDRAULIC GREASE NIPPLES H2 A, 45°, ROUND, HARDENED, GALVANIZED, DRIVE FIT VERSION **207**

HYDRAULIC GREASE NIPPLES H3, 90°, ACC. TO DIN 71412, HARDENED, GALVANIZED, HEXAGON VERSION **207 - 208**

HYDRAULIC GREASE NIPPLES H3, 90°, ACC. TO DIN 71412, HARDENED, GALVANIZED, SQUARE VERSION **208 - 209**

HYDRAULIC GREASE NIPPLES H3, 90°, STAINLESS STEEL, HEXAGON VERSION **209 - 210**

HYDRAULIC GREASE NIPPLES H3 A, 90°, ROUND, HARDENED, GALVANIZED, DRIVE FIT VERSION **210**

PROTECTING CAPS FOR HYDRAULIC GREASE NIPPLES **210**

BALL TYPE GREASE NIPPLES K1, STRAIGHT, DIN 71412 (FORMER DIN 3402), HARDENED, GALVANIZED, HEXAGON VERSION **210 - 211**

FUNNEL TYPE GREASE NIPPLES D1, STRAIGHT, DIN 3405, HARDENED, GALVANIZED, HEXAGON VERSION **211**

FUNNEL TYPE GREASE NIPPLES D1 A, STRAIGHT, ROUND, DIN 3405, HARDENED, GALVANIZED, DRIVE FIT VERSION **212**

BUTTON HEAD GREASE NIPPLES M1, DIAMETER OF HEAD Ø 16 MM, DIN 3404, HARDENED, GALVANIZED, HEXAGON VERSION, ROUND HEAD **212 - 213**

BUTTON HEAD GREASE NIPPLES T1/B, DIAMETER OF HEAD Ø 16 MM, DIN 3404, HARDENED, GALVANIZED, HEXAGON VERSION, HEXAGONAL HEAD **213**

BUTTON HEAD GREASE NIPPLES M22, DIAMETER OF HEAD Ø 22 MM, DIN 3404, HARDENED, GALVANIZED, HEXAGON VERSION, ROUND HEAD **214**

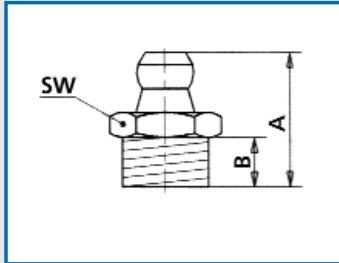
GREASE NIPPLE ASSORTMENTS / TOOLS FOR GREASE NIPPLES / GREASE NIPPLES, BLISTER PACKED **214 - 219**

m

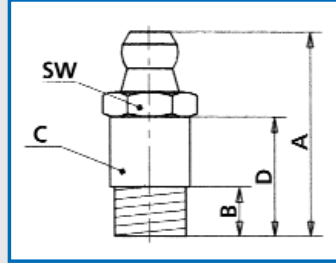
Grease nipples

CLASSIFICATION GREASE NIPPLES

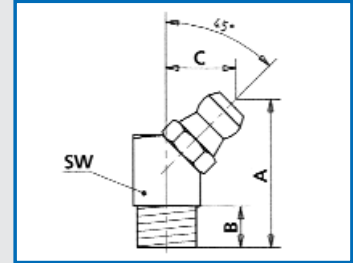
H1



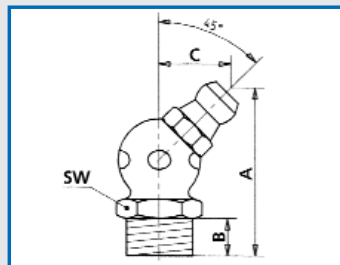
H1 LONG



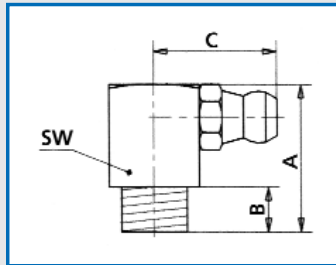
H2 VK



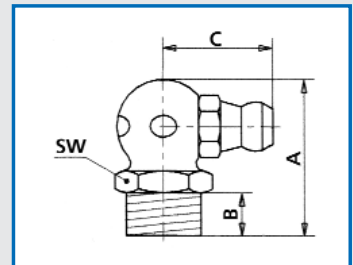
H2 SK



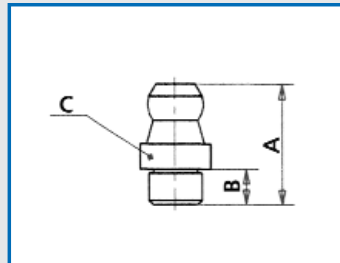
H3 VK



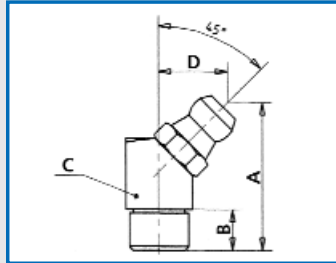
H3 SK



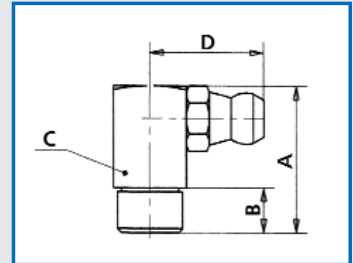
H1 ESN



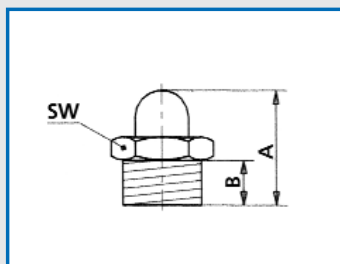
H2 ESN



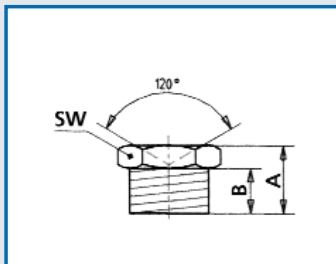
H3 ESN



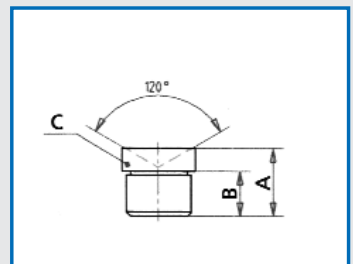
K



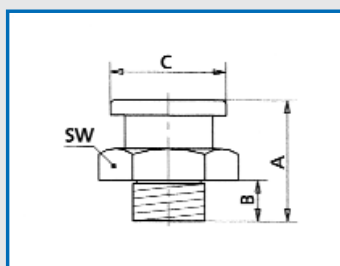
D



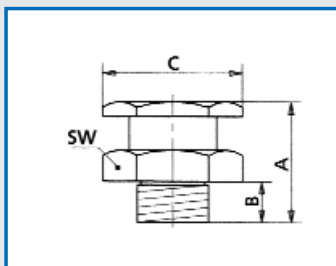
D ESN



M

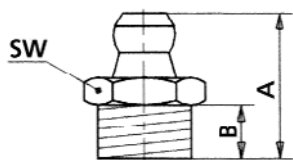


T1/B

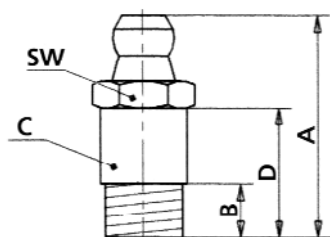


- D: Funnel type grease nipple
- ESN: Drive fit version
- H1: Hydraulic grease nipple, 180°
- H2: Hydraulic grease nipple, 45°
- H3: Hydraulic grease nipple, 90°
- K: Ball type grease nipple
- M: Button head grease nipple, round-head type
- SK: Hexagon
- T1/B: Button head grease nipple, hexagon-head type
- V: Square

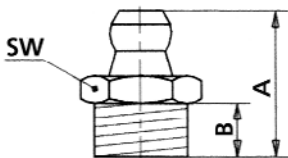
Grease nipples



15 000



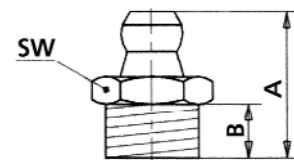
15 007 001



15 009

Article no.		
	HYDRAULIC GREASE NIPPLES H1, STRAIGHT, 180°, ACC. TO DIN 71412, HARDENED, GALVANIZED, HEXAGON VERSION	
15 000	Hydraulic grease nipple, H1, straight 1/4" BSF, VZ, SK, SW 7 mm	Technical data Dimension A: 15 mm Dimension B: 5 mm
15 007	Hydraulic grease nipple, H1, straight M 6 x 1, VZ, SK, SW 7 mm	
15 007 001	Hydraulic grease nipple, H1, straight M 6 x 1, VZ, SK, SW 7 mm	Technical data Dimension A: 29,5 mm Dimension B: 6 mm Dimension C: Ø 7 mm Dimension D: 19 mm
15 009	Hydraulic grease nipple, H1, straight M 8 x 1, VZ, SK, SW 9 mm	Technical data Dimension A: 15 mm Dimension B: 5,5 mm
15 010	Hydraulic grease nipple, H1, straight M 8 x 1, 25, VZ, SK, SW 9 mm	Technical data Dimension A: 15 mm Dimension B: 5 mm
15 013	Hydraulic grease nipple, H1, straight M 10 x 1, VZ, SK, SW 11 mm	Technical data Dimension A: 15 mm Dimension B: 5 mm
15 014	Hydraulic grease nipple, H1, straight M 10 x 1, 25, VZ, SK, SW 11 mm	
15 015	Hydraulic grease nipple, H1, straight M 10 x 1, 5, VZ, SK, SW 11 mm	
15 017 004	Hydraulic grease nipple, H1, straight M 12 x 1, 5, VZ, SK, SW 14 mm	Technical data Dimension A: 17,5 mm Dimension B: 5,5 mm
15 018 098	Hydraulic grease nipple, H1, straight M 12 x 1, 75, VZ, SK, SW 14 mm	
15 021 003	Hydraulic grease nipple, H1, straight M 14 x 1, 5, VZ, SK, SW 14 mm	Technical data Dimension A: 17 mm Dimension B: 6 mm

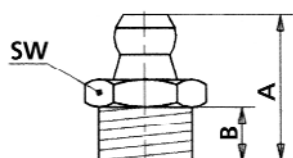
Technical data		Article no.
Hydraulic grease nipple, H1, straight Dimension A: 15 mm Dimension B: 5 mm	Hydraulic grease nipple, H1, straight 1/4" WHIT, VZ, SK, SW 7 mm	15 025
Hydraulic grease nipple, H1, straight Dimension A: 15 mm Dimension B: 5 mm	Hydraulic grease nipple, H1, straight 1/8" NPT, VZ, SK, SW 11 mm	15 026
	Hydraulic grease nipple, H1, straight 1/8" PTF, VZ, SK, SW 11 mm	15 026 007
Hydraulic grease nipple, H1, straight Dimension A: 17 mm Dimension B: 6 mm	Hydraulic grease nipple, H1, straight G 1/4", VZ, SK, SW 14 mm	15 027 005
Hydraulic grease nipple, H1, straight Dimension A: 15 mm Dimension B: 5 mm	Hydraulic grease nipple, H1, straight G 1/8", VZ, SK, SW 11 mm	15 037
Hydraulic grease nipple, H1, straight Dimension A: 16 mm Dimension B: 5 mm	Hydraulic grease nipple, H1, straight G 1/4", VZ, SK, SW 14 mm	15 038
Hydraulic grease nipple, H1, straight Dimension A: 19 mm Dimension B: 6,5 mm	Hydraulic grease nipple, H1, straight G 3/8", VZ, SK, SW 17 mm	15 039 004
Hydraulic grease nipple, H1, straight Dimension A: 15,5 mm Dimension B: 5 mm	Hydraulic grease nipple, H1, straight 1/4" NF (SAE), VZ, SK, SW 7 mm	15 062
Hydraulic grease nipple, H1, straight Dimension A: 15 mm Dimension B: 5 mm	Hydraulic grease nipple, H1, straight 3/8" WHIT, VZ, SK, SW 11 mm	15 067
Hydraulic grease nipple, H1, straight Dimension A: 15 mm Dimension B: 5 mm	Hydraulic grease nipple, H1, straight G 5/16", BSF, VZ, SK, SW 9 mm	15 069



15 025

m

Grease nipples



15 071

Article no. **HYDRAULIC GREASE NIPPLES H1, STRAIGHT, 180°, ACC. TO DIN 71412, HARDENED, GALVANIZED, HEXAGON VERSION**

15 071	Hydraulic grease nipple, H1, straight F 6 x 1, SFG, VZ, SK, SW 7 mm	Technical data
		Dimension A: 15 mm Dimension B: 5 mm

15 072	Hydraulic grease nipple, H1, straight F 8 x 1, SFG, VZ, SK, SW 9 mm	Technical data
		Dimension A: 16 mm Dimension B: 5 mm

15 073	Hydraulic grease nipple, H1, straight F 10 x 1, SFG, VZ, SK, SW 11 mm	Technical data
		Dimension A: 15 mm Dimension B: 5 mm

HYDRAULIC GREASE NIPPLES H1, STRAIGHT, 180°, ACC. TO DIN 71412, HARDENED, STAINLESS STEEL, HEXAGON VERSION

15 907	Hydraulic grease nipple, H1, straight M 6 x 1, VA, SK, SW 7 mm	Technical data
		Dimension A: 15,5 mm Dimension B: 5 mm

15 909	Hydraulic grease nipple, H1, straight M 8 x 1, VA, SK, SW 9 mm	Technical data
		Dimension A: 17 mm Dimension B: 5,5 mm

15 913	Hydraulic grease nipple, H1, straight M 10 x 1, VA, SK, SW 11 mm	Technical data
		Dimension A: 17 mm Dimension B: 5,5 mm

15 926	Hydraulic grease nipple, H1, straight 1/8" NPT, VA, SK, SW 11 mm	Technical data

15 937	Hydraulic grease nipple, H1, straight G 1/8", VA, SK, SW 11 mm	Technical data
		Dimension A: 15 mm Dimension B: 5 mm

15 938	Hydraulic grease nipple, H1, straight G 1/4", VA, SK, SW 14 mm	Technical data
		Dimension A: 17,5 mm Dimension B: 6 mm

HYDRAULIC GREASE NIPPLES H1 A, STRAIGHT, 180°, ROUND, ACC. TO DIN 71412, HARDENED, GALVANIZED, DRIVE FIT VERSION

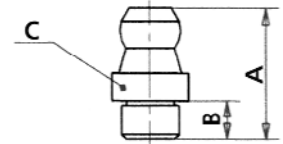
Article no.

Technical data

Dimension A: 15 mm
Dimension B: 5 mm
Dimension C: Ø 8 mm

Hydraulic grease nipple, H1 a, round
straight, Ø 6 mm, VZ, ESN

15 003



15 003

Technical data

Dimension A: 15 mm
Dimension B: 4,5 mm
Dimension C: Ø 10 mm

Hydraulic grease nipple, H1 a, round
straight, Ø 8 mm, VZ, ESN

15 004

Technical data

Dimension A: 15 mm
Dimension B: 5 mm
Dimension C: Ø 11 mm

Hydraulic grease nipple, H1 a, round
straight, Ø 10 mm, VZ, ESN

15 005

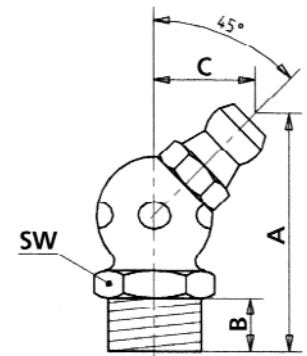
HYDRAULIC GREASE NIPPLES H2, 45°, ACC. TO DIN 71412, HARDENED, GALVANIZED, HEXAGON VERSION

Technical data

Dimension A: 24 mm
Dimension B: 5 mm
Dimension C: 11 mm

Hydraulic grease nipple, H2, 45°
1/4" BSF, VZ, SK, SW 9 mm

15 100 140



15 100 140

Technical data

Dimension A: 24 mm
Dimension B: 5 mm
Dimension C: 10,5 mm

Hydraulic grease nipple, H2, 45°
M 6 x 1, VZ, SK, SW 9 mm

15 107 140

Technical data

Dimension A: 24 mm
Dimension B: 5 mm
Dimension C: 10 mm

Hydraulic grease nipple, H2, 45°
M 7 x 1, VZ, SK, SW 10 mm

15 108 004

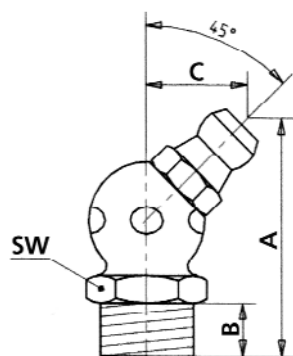
Technical data

Dimension A: 24 mm
Dimension B: 5 mm
Dimension C: 10 mm

Hydraulic grease nipple, H2, 45°
M 8 x 1, VZ, SK, SW 9 mm

15 109 140

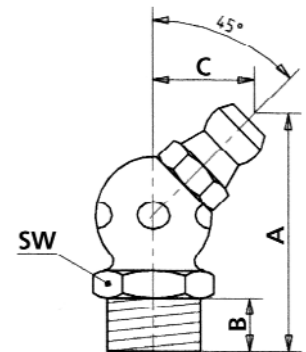
Grease nipples



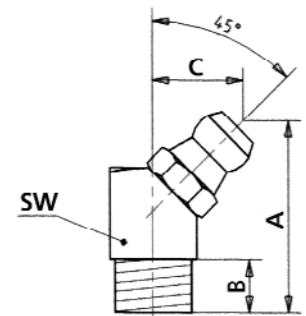
15 110 140

Article no.	HYDRAULIC GREASE NIPPLES H2, 45°, ACC. TO DIN 71412, HARDENED, GALVANIZED, HEXAGON VERSION	
15 110 140	Hydraulic grease nipple, H2, 45° M 8 x 1, 25, VZ, SK, SW 9 mm	Technical data Dimension A: 24,5 mm Dimension B: 5 mm Dimension C: 10 mm
15 113 140	Hydraulic grease nipple, H2, 45° M 10 x 1, VZ, SK, SW 11 mm	Technical data Dimension A: 26 mm Dimension B: 5 mm Dimension C: 10,5 mm
15 115 140	Hydraulic grease nipple, H2, 45° M 10 x 1, 5, VZ, SK, SW 11 mm	Technical data Dimension A: 25,5 mm Dimension B: 5 mm Dimension C: 11 mm
15 117 004	Hydraulic grease nipple, H2, 45° M 12 x 1, 5, VZ, SK, SW 14 mm	Technical data Dimension A: 29 mm Dimension B: 6,5 mm Dimension C: 12 mm
15 118	Hydraulic grease nipple, H2, 45° M 12 x 1, 75, VZ, SK, SW 14 mm	Technical data Dimension A: 29,5 mm Dimension B: 6,5 mm Dimension C: 12 mm
15 137 140	Hydraulic grease nipple, H2, 45° G 1/8", VZ, SK, SW 11 mm	Technical data Dimension A: 26 mm Dimension B: 5,5 mm Dimension C: 11 mm
15 138	Hydraulic grease nipple, H2, 45° G 1/4", VZ, SK, SW 14 mm	Technical data Dimension A: 23 mm Dimension B: 6 mm Dimension C: 12 mm
15 139 004	Hydraulic grease nipple, H2, 45° G 3/8", VZ, SK, SW 17 mm	Technical data Dimension A: 25 mm Dimension B: 6 mm Dimension C: 13 mm

		Article no.
<p>Technical data</p> <p>Dimension A: 24 mm</p> <p>Dimension B: 5 mm</p> <p>Dimension C: 11 mm</p>	<p>Hydraulic grease nipple, H2, 45° 1/4" NF (SAE), VZ, SK, SW 9 mm</p>	15 162 140
<p>HYDRAULIC GREASE NIPPLES H2, 45°, ACC. TO DIN 71412, HARDENED, GALVANIZED, SQUARE VERSION</p>		
<p>Technical data</p> <p>Dimension A: 18 mm</p> <p>Dimension B: 5 mm</p> <p>Dimension C: 14 mm</p>	<p>Hydraulic grease nipple, H2, 45° F 6 x 1, SFG, VZ, VK, SW 9 mm</p>	15 171 003
<p>Technical data</p> <p>Dimension A: 18 mm</p> <p>Dimension B: 5 mm</p> <p>Dimension C: 14 mm</p>	<p>Hydraulic grease nipple, H2, 45° F 8 x 1, SFG, VZ, VK, SW 9 mm</p>	15 172
<p>Technical data</p> <p>Dimension A: 20 mm</p> <p>Dimension B: 5 mm</p> <p>Dimension C: 11 mm</p>	<p>Hydraulic grease nipple, H2, 45° F 10 x 1, SFG, VZ, VK, SW 11 mm</p>	15 173
<p>Technical data</p> <p>Dimension A: 20 mm</p> <p>Dimension B: 5 mm</p> <p>Dimension C: 10 mm</p>	<p>Hydraulic grease nipple, H2, 45° 1/4" BSF, VZ, VK, SW 9 mm</p>	15 100
<p>Technical data</p> <p>Dimension A: 20,5 mm</p> <p>Dimension B: 5 mm</p> <p>Dimension C: 9 mm</p>	<p>Hydraulic grease nipple, H2, 45° M 6 x 1, VZ, VK, SW 9 mm</p>	15 107
<p>Technical data</p> <p>Dimension A: 20,5 mm</p> <p>Dimension B: 5 mm</p> <p>Dimension C: 10 mm</p>	<p>Hydraulic grease nipple, H2, 45° M 8 x 1, VZ, VK, SW 9 mm</p>	15 109
	<p>Hydraulic grease nipple, H2, 45° M 8 x 1, 25, VZ, VK, SW 9 mm</p>	15 110



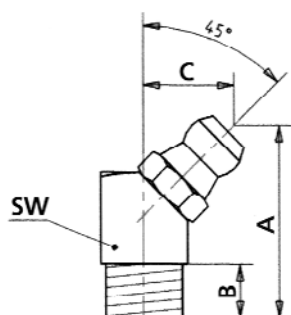
15 162 140



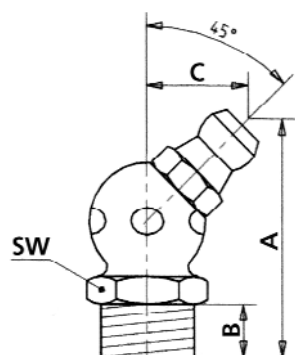
15 171 003

m

Grease nipples



15 113



15 940

Article no.

HYDRAULIC GREASE NIPPLES H2, 45°, ACC. TO DIN 71412, HARDENED, GALVANIZED, SQUARE VERSION

15 113	Hydraulic grease nipple, H2, 45° M 10 x 1, VZ, VK, SW 11 mm	Technical data Dimension A: 20,5 mm Dimension B: 5 mm Dimension C: 11 mm
15 115	Hydraulic grease nipple, H2, 45° M 10 x 1, 5, VZ, VK, SW 11 mm	
15 137	Hydraulic grease nipple, H2, 45° G 1/8", VZ, VK, SW 11 mm	
15 162	Hydraulic grease nipple, H2, 45° G 1/4", NF (SAE), VZ, VK, SW 9 mm	Technical data Dimension A: 20,5 mm Dimension B: 5 mm Dimension C: 11 mm

HYDRAULIC GREASE NIPPLES H2, 45°, STAINLESS STEEL, HEXAGON VERSION

15 940	Hydraulic grease nipple, H2, 45° M 6 x 1, VA, SK, SW 9 mm	Technical data Dimension A: 24 mm Dimension B: 5 mm Dimension C: 10,5 mm
15 941	Hydraulic grease nipple, H2, 45° M 8 x 1, VA, SK, SW 9 mm	Technical data Dimension A: 24 mm Dimension B: 5 mm Dimension C: 10 mm
15 943	Hydraulic grease nipple, H2, 45° M 10 x 1, VA, SK, SW 11 mm	Technical data Dimension A: 26 mm Dimension B: 5 mm Dimension C: 10,5 mm
15 947	Hydraulic grease nipple, H2, 45° G 1/8", VA, SK, SW 11 mm	Technical data Dimension A: 26 mm Dimension B: 5 mm Dimension C: 11 mm
15 949	Hydraulic grease nipple, H2, 45° G 1/4", VA, SK, SW 14 mm	Technical data Dimension A: 23 mm Dimension B: 5 mm Dimension C: 12 mm

HYDRAULIC GREASE NIPPLES H2 A, 45°, ROUND, HARDENED, GALVANIZED, DRIVE FIT VERSION

Article no.

Technical data

Dimension A: 20,5 mm
Dimension B: 5 mm
Dimension C: 9 mm
Dimension D: 10 mm

Hydraulic grease nipple, H2 a, round

Ø 6 mm, VZ, ESN 45°

15 103

Hydraulic grease nipple, H2 a, round

Ø 8 mm, VZ, ESN 45°

15 104

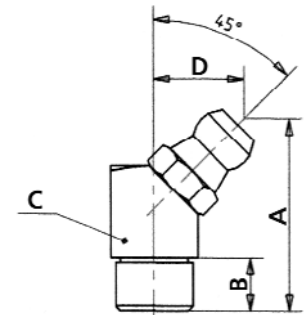
Technical data

Dimension A: 20 mm
Dimension B: 5 mm
Dimension C: 11 mm
Dimension D: 10 mm

Hydraulic grease nipple, H2 a, round

Ø 10 mm, VZ, ESN 45°

15 105



15 103

HYDRAULIC GREASE NIPPLES H3, 90°, ACC. TO DIN 71412, HARDENED, GALVANIZED, HEXAGON VERSION

Technical data

Dimension A: 18,5 mm
Dimension B: 5 mm
Dimension C: 13 mm

Hydraulic grease nipple, H3, 90°

1/4" BSF, VZ, SK, SW 9 mm

15 200 140

Technical data

Dimension A: 18 mm
Dimension B: 5 mm
Dimension C: 12 mm

Hydraulic grease nipple, H3, 90°

M 6 x 1, VZ, SK, SW 9 mm

15 207 140

Hydraulic grease nipple, H3, 90°

M 8 x 1, VZ, SK, SW 9 mm

15 209 140

Hydraulic grease nipple, H3, 90°

M 8 x 1, 25, VZ, SK, SW 9 mm

15 210 140

Technical data

Dimension A: 20 mm
Dimension B: 5 mm
Dimension C: 14 mm

Hydraulic grease nipple, H3, 90°

M 10 x 1, VZ, SK, SW 11 mm

15 213 140

Hydraulic grease nipple, H3, 90°

M 10 x 1, 5, VZ, SK, SW 11 mm

15 215 140

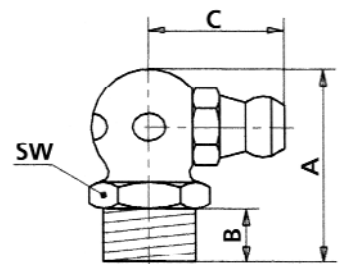
Technical data

Dimension A: 24 mm
Dimension B: 6,5 mm
Dimension C: 14 mm

Hydraulic grease nipple, H3, 90°

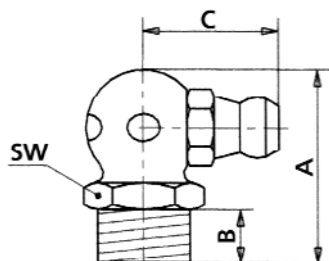
M 12 x 1, 5, VZ, SK, SW 14 mm

15 217



15 200 140

Grease nipples



15 218

Article no. **HYDRAULIC GREASE NIPPLES H3, 90°, ACC. TO DIN 71412, HARDENED, GALVANIZED, HEXAGON VERSION**

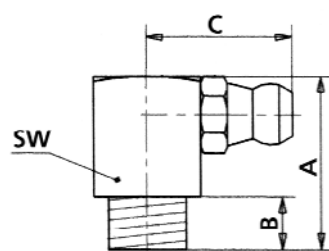
15 218	Hydraulic grease nipple, H3, 90° M 12 x 1, 75, VZ, SK, SW 14 mm	Technical data Dimension A: 19,5 mm Dimension B: 6 mm Dimension C: 17,5 mm
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15 237 140	Hydraulic grease nipple, H3, 90° G 1/8", VZ, SK, SW 11 mm	Technical data Dimension A: 20,5 mm Dimension B: 5 mm Dimension C: 14 mm
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15 238	Hydraulic grease nipple, H3, 90° G 1/4", VZ, SK, SW 14 mm	Technical data Dimension A: 21,5 mm Dimension B: 6 mm Dimension C: 16 mm
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15 262 140	Hydraulic grease nipple, H3, 90° 1/4" NF (SAE), VZ, SK, SW 9 mm	Technical data Dimension A: 18 mm Dimension B: 5 mm Dimension C: 12,5 mm
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HYDRAULIC GREASE NIPPLES H3, 90°, ACC. TO DIN 71412, HARDENED, GALVANIZED, SQUARE VERSION



15 271 003

15 271 003	Hydraulic grease nipple, H3, 90° F 6 x 1, SFG, VZ, VK, SW 9 mm	Technical data Dimension A: 18 mm Dimension B: 5 mm Dimension C: 14 mm
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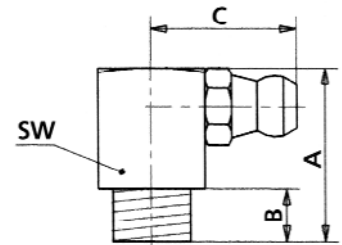
15 272	Hydraulic grease nipple, H3, 90° F 8 x 1, SFG, VZ, VK, SW 9 mm	
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15 273	Hydraulic grease nipple, H3, 90° F 10 x 1, SFG, VZ, VK, SW 11 mm	Technical data Dimension A: 18 mm Dimension B: 5 mm Dimension C: 15 mm
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15 200	Hydraulic grease nipple, H3, 90° 1/4" BSF, VZ, VK, SW 9 mm	Technical data Dimension A: 18 mm Dimension B: 5 mm Dimension C: 13 mm
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15 207	Hydraulic grease nipple, H3, 90° M 6 x 1, VZ, VK, SW 9 mm	
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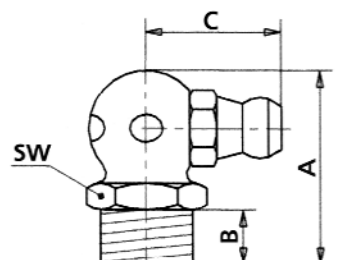
Technical data	Hydraulic grease nipple, H3, 90°	Article no.
Dimension A: 18 mm Dimension B: 5 mm Dimension C: 13 mm	M 8 x 1, VZ, VK, SW 9 mm	15 209
Dimension A: 18 mm Dimension B: 5 mm Dimension C: 13,5 mm	M 8 x 1, 25, VZ, VK, SW 9 mm	15 210
Dimension A: 18 mm Dimension B: 5 mm Dimension C: 15 mm	M 10 x 1, VZ, VK, SW 11 mm	15 213
	M 10 x 1, 5, VZ, VK, SW 11 mm	15 215
	G 1/8", VZ, VK, SW 11 mm	15 237
Dimension A: 18 mm Dimension B: 5 mm Dimension C: 9 mm Dimension D: 13 mm	1/4" NF (SAE), VZ, VK, SW 9 mm	15 262



15 209

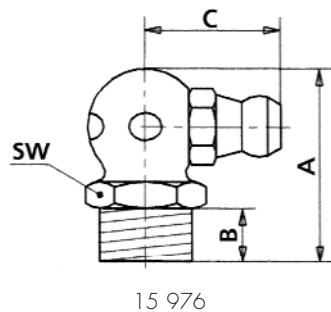
HYDRAULIC GREASE NIPPLES H3, 90°, STAINLESS STEEL, HEXAGON VERSION

Dimension A: 18 mm Dimension B: 5 mm Dimension C: 12 mm	M 6 x 1, VA, SK, SW 9 mm	15 967
	M 8 x 1, VA, SK, SW 9 mm	15 968
Dimension A: 20 mm Dimension B: 5 mm Dimension C: 14 mm	M 10 x 1, VA, SK, SW 11 mm	15 973



15 967

Grease nipples



Article no.

HYDRAULIC GREASE NIPPLES H3, 90°, STAINLESS STEEL, HEXAGON VERSION

15 976

Hydraulic grease nipple, H3, 90°
G 1/8", VA, SK, SW 14 mm

Technical data

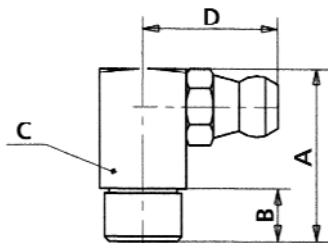
Dimension A: 22,5 mm
Dimension B: 5 mm
Dimension C: 14 mm

15 977

Hydraulic grease nipple, H3, 90°
G 1/4", VA, SK, SW 9 mm

Technical data

Dimension A: 21,5 mm
Dimension B: 6 mm
Dimension C: 16 mm



15 204

HYDRAULIC GREASE NIPPLES H3 A, 90°, ROUND, HARDENED, GALVANIZED, DRIVE FIT VERSION

15 204

Hydraulic grease nipple, H3 a,
round
90°, Ø 8 mm, VZ, ESN

Technical data

Dimension A: 18 mm
Dimension B: 5,5 mm
Dimension C: 9 mm
Dimension D: 14 mm



63 905

PROTECTING CAPS FOR HYDRAULIC GREASE NIPPLES

63 905

Protecting cap, with fixing tab
for hydraulic grease nipples
Diameter: 13 mm
Length: 40 mm

Technical data

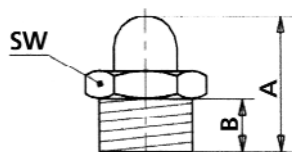
Colour: red



63 906

63 906

Protecting cap
for hydraulic grease nipples
Diameter: 13 mm
Length: 9 mm



15 307

BALL TYPE GREASE NIPPLES K1, STRAIGHT, DIN 71412 (FORMER DIN 3402), HARDENED, GALVANIZED, HEXAGON VERSION

15 307

Ball type grease nipple K1, straight
M 6 x 1, VZ, SK, SW 7 mm

Technical data

Dimension A: 14 mm
Dimension B: 5 mm

15 309

Ball type grease nipple K1, straight
M 8 x 1, VZ, SK, SW 9 mm

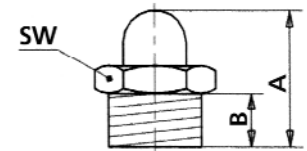
Technical data

Dimension A: 14 mm
Dimension B: 4,5 mm

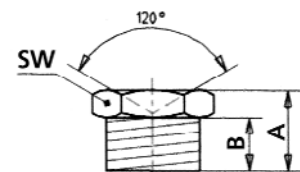
15 310

Ball type grease nipple K1, straight
M 8 x 1, 25, VZ, SK, SW 9 mm

		Article no.
Technical data Dimension A: 14 mm Dimension B: 5 mm	Ball type grease nipple K1, straight M 10 x 1, VZ, SK, SW 11	15 313
FUNNEL TYPE GREASE NIPPLES D1, STRAIGHT, DIN 3405, HARDENED, GALVANIZED, HEXAGON VERSION		
Technical data Dimension A: 9 mm Dimension B: 5,5 mm	Funnel type grease nipple D1 straight, M 6 x 1, VZ, SK, SW 7 mm	15 607
Technical data Dimension A: 9,5 mm Dimension B: 6 mm	Funnel type grease nipple D1 straight, M 8 x 1, VZ, SK, SW 9 mm	15 609
Technical data Dimension A: 10 mm Dimension B: 6 mm	Funnel type grease nipple D1 straight, M 8 x 1, 25, VZ, SK, SW 9 mm	15 610
Technical data Dimension A: 10 mm Dimension B: 6 mm	Funnel type grease nipple D1 straight, M 10 x 1, VZ, SK, SW 11 mm	15 613
Technical data Dimension A: 10 mm Dimension B: 5,5 mm	Funnel type grease nipple D1 straight, M 10 x 1, 5, VZ, SK, SW 11 mm	15 615
Technical data Dimension A: 9,5 mm Dimension B: 6 mm	Funnel type grease nipple D1 straight, G 1/8", VZ, SK, SW 11 mm	15 637
Technical data Dimension A: 11,5 mm Dimension B: 7 mm	Funnel type grease nipple D1 straight, G 1/4", VZ, SK, SW 14 mm	15 638



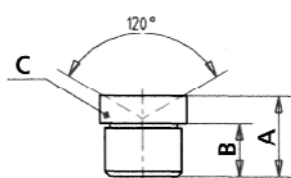
15 313



15 607

m

Grease nipples



15 603

Article no.

FUNNEL TYPE GREASE NIPPLES D1 A, STRAIGHT, ROUND, DIN 3405, HARDENED, GALVANIZED, DRIVE FIT VERSION

15 603

Funnel type grease nipple D1 A
straight, Ø 6 mm, VZ, ESN

Technical data

Dimension A: 7,5 mm
Dimension B: 5 mm
Dimension C Ø: 8 mm

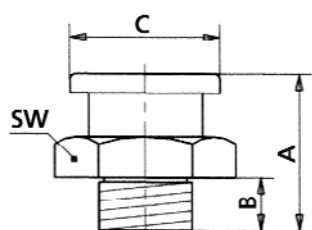
15 604

Funnel type grease nipple D1 A
straight, Ø 8 mm, VZ, ESN

Technical data

Dimension A: 9 mm
Dimension B: 9 mm
Dimension C Ø: 10 mm

BUTTON HEAD GREASE NIPPLES M1, DIAMETER OF HEAD Ø 16 mm, DIN 3404, HARDENED, GALVANIZED, HEXAGON VERSION, ROUND HEAD



57 807

57 807

Button head grease nipple M1,
KØ 16 mm
M 6 x 1, VZ, SK, SW 17 mm

Technical data

Dimension A: 18 mm
Dimension B: 6,5 mm
Dimension C: 16 mm

57 809

Button head grease nipple M1,
KØ 16 mm
M 8 x 1, VZ, SK, SW 17 mm

Technical data

Dimension A: 17 mm
Dimension B: 5,5 mm
Dimension C: 16 mm

57 810

Button head grease nipple M1,
KØ 16 mm
M 8 x 1, 25, VZ, SK, SW 17 mm

Technical data

Dimension A: 17,5 mm
Dimension B: 6,5 mm
Dimension C: 16 mm

57 813

Button head grease nipple M1,
KØ 16 mm
M 10 x 1, VZ, SK, SW 17 mm

Technical data

Dimension A: 17 mm
Dimension B: 5 mm
Dimension C: 16 mm

57 815

Button head grease nipple M1,
KØ 16 mm
M 10 x 1, 5, VZ, SK, SW 17 mm

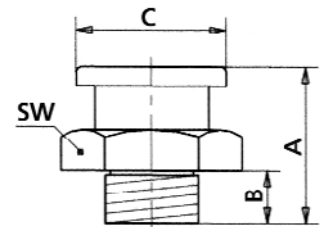
Technical data

Dimension A: 17 mm
Dimension B: 5,5 mm
Dimension C: 16 mm

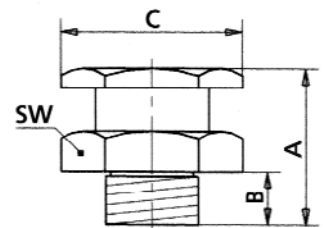
57 817

Button head grease nipple M1,
KØ 16 mm
M 12 x 1, 5, VZ, SK, SW 17 mm

		Article no.
Technical data Dimension A: 17 mm Dimension B: 5 mm Dimension C: 16 mm	Button head grease nipple M1, KØ 16 mm G 1/8", VZ, SK, SW 17 mm	57 837
Technical data Dimension A: 17 mm Dimension B: 5,5 mm Dimension C: 16 mm	Button head grease nipple M1, KØ 16 mm G 1/4", VZ, SK, SW 17 mm	57 838
BUTTON HEAD GREASE NIPPLES T1/B, DIAMETER OF HEAD Ø 16 MM, DIN 3404, HARDENED, GALVANIZED, HEXAGON VERSION, HEXAGONAL HEAD		
Technical data Dimension A: 16 mm Dimension B: 5,5 mm Dimension C: 16,5 mm	Button head grease nipple, T1/B, KØ 16 mm M 6 x 1, VZ, SW 15 mm, SKK	55 807
Technical data Dimension A: 16 mm Dimension B: 6 mm Dimension C: 16,5 mm	Button head grease nipple, T1/B, KØ 16 mm M 8 x 1, VZ, SW 15 mm, SKK	55 809
	Button head grease nipple, T1/B, KØ 16 mm M 8 x 1,25, SK, VZ, SW 15 mm, SKK	55 810
	Button head grease nipple, T1/B, KØ 16 mm M 10 x 1, SK, SW 15 mm, SKK	55 813
	Button head grease nipple, T1/B, KØ 16 mm M 10 x 1, 5, SK, SW 15 mm, SKK	55 815
	Button head grease nipple, T1/B, KØ 16 mm G 1/8", SK, SW 15 mm, SKK	55 837
	Technical data Dimension A: 16 mm Dimension B: 6 mm Dimension C: 16,5 mm	Button head grease nipple, T1/B, KØ 16 mm G 1/4", SK, SW 15 mm, SKK	55 838

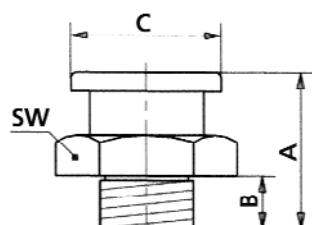


57 837



55 807

Grease nipples



57 523

Article no.

BUTTON HEAD GREASE NIPPLES M22, DIAMETER OF HEAD Ø 22 MM, DIN 3404, HARDENED, GALVANIZED, HEXAGON VERSION, ROUND HEAD

57 523

Button head grease nipple M22,
KØ 22 mm
M 16 x 1, 5, VZ, SK, SW 22 mm

Technical data

Dimension A: 32 mm
Dimension B: 12 mm
Dimension C: 22 mm

57 538

Button head grease nipple M22,
KØ 22 mm
G 1/4", VZ, SK, SW 22 mm

Technical data

Dimension A: 22 mm
Dimension B: 7,5 mm
Dimension C: 22 mm

57 539

Button head grease nipple M22,
KØ 22 mm
G 3/8", VZ, SK, SW 22 mm

Technical data

Dimension A: 21 mm
Dimension B: 7,5 mm
Dimension C: 22 mm

GREASE NIPPLE ASSORTMENTS

16 090

Grease nipple assortment

140 pcs.
Dimension LWH (mm):
215 x 135 x 40

Technical data

Package: sales package,
with bar code



16 090

Specification

- 25 pcs., H1, M 6 x 1 (15 007)
- 25 pcs., H1, M 8 x 1 (15 009)
- 15 pcs., H1, M 10 x 1 (15 013)
- 15 pcs., H1, G 1/8" (15 037)
- 10 pcs., H2, M 6 x 1 (15 107 140)
- 10 pcs., H2, M 8 x 1 (15 109 140)
- 5 pcs., H2, M 10 x 1 (15 113 140)
- 5 pcs., H2, G 1/8" (15 137 140)
- 10 pcs., H3, M 6 x 1 (15 207 140)
- 10 pcs., H3, M 8 x 1 (15 209 140)
- 5 pcs., H3, M 10 x 1 (15 213 140)
- 5 pcs., H3, G 1/8" (15 237 140)

Technical data

Package: sales package,
with bar code

Specification

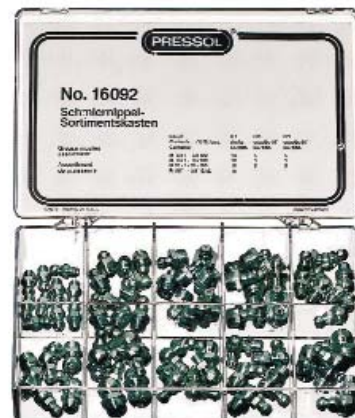
- 10 pcs., H1, M 6 x 1 (15 007)
- 10 pcs., H1, M 8 x 1 (15 009)
- 10 pcs., H1, M 10 x 1 (15 013)
- 10 pcs., H1, G 1/8" (15 037)
- 5 pcs., H2, M 6 x 1 (15 107 140)
- 5 pcs., H2, M 6 x 1 (15 109 140)
- 5 pcs., H2, M 10 x 1 (15 113 140)
- 5 pcs., H3, M 6 x 1 (15 207 140)
- 5 pcs., H3, M 8 x 1 (15 209 140)
- 5 pcs., H3, M 10 x 1 (15 213 140)

Grease nipple assortment

70 pcs.
Dimensions LxWxH (mm):
175 x 120 x 35

Article no.

16 092



16 092

Grease nipples

Article no.

GREASE NIPPLE ASSORTMENTS

16 099

Grease nipple assortment

387 pcs.

Dimension LWH (mm):

300 x 245 x 55

Technical data

Package: sales package,
with bar code

Specification

- 25 pcs., H1, G 1/8" (15 037)
- 15 pcs., H2, G 1/8" (15 137 140)
- 15 pcs., H3, G 1/8" (15 237 140)
- 15 pcs., H1, G 1/4" (15 038)
- 5 pcs., H3, G 1/4" (15 238)
- 5 pcs., H1 A, 6 mm (15 003)
- 10 pcs., H1 A, 8 mm (15 004)
- 25 pcs., H1, PTF 1/8" (15 026 007)
- 10 pcs., H3, PTF, 1/8" (15 226 007)
- 35 pcs., H1, NF, (SAE) 1/4" (15 062)
- 10 pcs., H2,NF, (SAE) 1/4" (15 162)
- 10 pcs., H3, NF, (SAE) 1/4" (15 262)
- 25 pcs., H1, M 6 x 1 (15 007)
- 10 pcs., H1, M 6 x 1 (15 007 001)
- 15 pcs., H3, M 6 x 1 (15 207 140)
- 15 pcs., H1, WHIT 1/4" (15 025)
- 5 pcs., H1, WHIT 3/8", (15 067)
- 15 pcs., H1, M 8 x 1 (15 009)
- 10 pcs., H2, M 8 x 1 (15 109 140)
- 10 pcs., H3, M 8 x 1 (15 209 140)
- 15 pcs., H1, M 8 x 1,25 (15 010)
- 10 pcs., H1, 1/4" - 28 SAE (54 062)
- 10 pcs., H2, M 8 x 1,25 (15 110 140)
- 10 pcs., H3, M 8 x 1,25 (15 210 140)
- 20 pcs., H1, M 10 x 1 (15 013)
- 10 pcs., H2, M 10 x 1 (15 113 140)
- 10 pcs., H3, M 10 x 1 (15 213 140)
- 5 pcs., couplers, 4 claws, G 1/8" (12 731)
- 10 pcs., 4 claws, precision machined coupler, G 1/8" (12 743)
- 1 pcs., tool for grease nipples (16 102)



16 099

TOOLS FOR GREASE NIPPLES

Article no.

Tool for grease nipples
threading, 1/8" PTF, to remove
broken grease nipples, to remove grease
nipples H1, H2, H3, K1, K2, K3 in
general
SW: 8 and 9 mm
Dimension LWH (mm):
68 x 45 x 15

16 100



16 100

Tool for grease nipples
threading, 1/4" NF (SAE), to remove
broken grease nipples, to remove grease
nipples H1, H2, H3, K1, K2, K3 in
general
SW: 10 and 11 mm
Dimension LWH (mm):
85 x 51 x 18

16 102

GREASE NIPPLES, BLISTER PACKED

H1, STRAIGHT, 10 PCS. IN POLYBAG WITH HEADCARD

Technical data

Package: SB sales packing,
with headcard
and bar code

Hydraulic grease nipples, H1, straight
10 pcs., M 6 x 1, VZ, SK, SW 7 mm
Dimensions of package LWH (mm):
135 x 70 x 7

16 400

Hydraulic grease nipples, H1, straight
10 pcs., M 8 x 1, VZ, SK, SW 9 mm
Dimensions of package LWH (mm):
135 x 70 x 10

16 402

Hydraulic grease nipples, H1, straight
10 pcs., M 8 x 1, 25, VZ, SK,
SW 9 mm
Dimensions of package LWH (mm):
135 x 70 x 10

16 403

Hydraulic grease nipples, H1, straight
10 pcs., M 10 x 1, VZ, SK, SW 11 mm
Dimensions of package LWH (mm):
135 x 70 x 12

16 404



16 400



16 404

Grease nipples



16 409



16 430



16 435

Article no.

H1, STRAIGHT, 10 PCS. IN POLYBAG WITH HEADCARD

16 405

Hydraulic grease nipples, H1, straight
10 pcs., M 10 x 1, 5, VZ, SK, SW 11 mm
Dimensions of package LWH (mm):
135 x 70 x 12

Technical data

Package: SB sales packing, with headcard and bar code

16 409

Hydraulic grease nipples, H1, straight
10 pcs., G 1/8", VZ, SK, SW 11 mm
Dimensions of package LWH (mm):
135 x 70 x 12

H2, 45°, 5 PCS. IN POLYBAG WITH HEADCARD

16 430

Hydraulic grease nipples, H2, 45°
5 pcs., M 6 x 1, VZ, SK, SW 9 mm
Dimensions of package LWH (mm):
135 x 70 x 10

Technical data

Package: SB sales packing, with headcard and bar code

16 432

Hydraulic grease nipples, H2, 45°
5 pcs., M 8 x 1, VZ, SK, SW 9 mm
Dimensions of package LWH (mm):
135 x 70 x 10

16 433

Hydraulic grease nipples, H2, 45°
5 pcs., M 8 x 1, 25, VZ, SK, SW 9 mm
Dimensions of package LWH (mm):
135 x 70 x 10

16 434

Hydraulic grease nipples, H2, 45°
5 pcs., M 10 x 1, VZ, SK, SW 11 mm
Dimensions of package LWH (mm):
135 x 70 x 12

16 435

Hydraulic grease nipples, H2, 45°
5 pcs., M 10 x 1, 5, VZ, SK, SW 11 mm
Dimensions of package LWH (mm):
135 x 70 x 12

16 439

Hydraulic grease nipples, H2, 45°
5 pcs., G 1/8", VZ, SK, SW 11 mm
Dimensions of package LWH (mm):
135 x 70 x 12

H3, 90°, 5 PCS. IN POLYBAG WITH HEADCARD

Technical data

Package: SB sales packing, with headcard and bar code

Hydraulic grease nipples, H3, 90°
5 pcs., M 6 x 1, VZ, SK, SW 9 mm
Dimensions of package LWH (mm):
135 x 70 x 10

Article no.

16 460



16 460

Hydraulic grease nipples, H3, 90°
5 pcs., M 8 x 1, VZ, SK, SW 9 mm
Dimensions of package LWH (mm):
135 x 70 x 10

16 462

Hydraulic grease nipples, H3, 90°
5 pcs., M 8 x 1, 25, VZ, SK, SW 9 mm
Dimensions of package LWH (mm):
135 x 70 x 10

16 463

Hydraulic grease nipples, H3, 90°
5 pcs., M 10 x 1, VZ, SK, SW 11 mm
Dimensions of package LWH (mm):
135 x 70 x 12

16 464



16 464

Hydraulic grease nipples, H3, 90°
5 pcs., M 10 x 1, 5, VZ, SK, SW 11 mm
Dimensions of package LWH (mm):
135 x 70 x 12

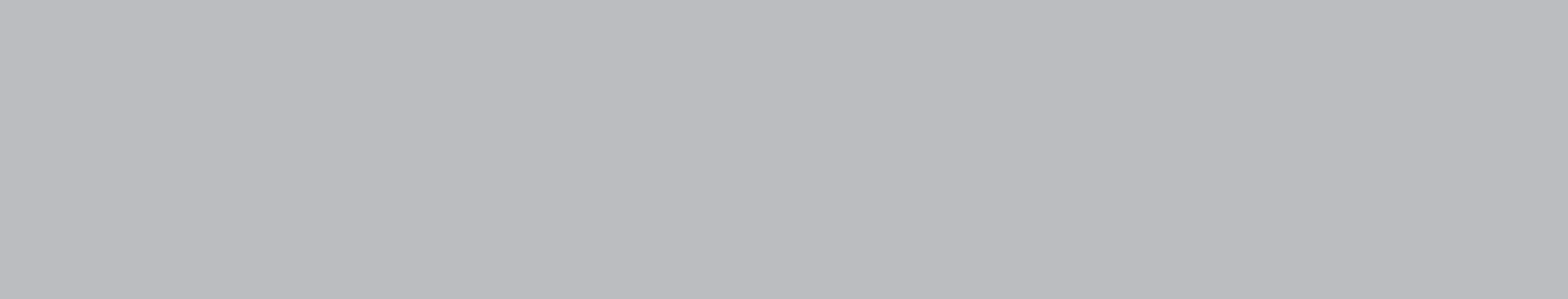
16 465

Hydraulic grease nipples, H3, 90°
5 pcs., G 1/8", VZ, SK, SW 11 mm
Dimensions of package LWH (mm):
135 x 70 x 12

16 469



16 469



Manual pumps



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n

Manual pumps

Article no.

CHEMICAL PUMPS



13 005

13 005

Chemical pump, INOX / FKM

SRL 600, 0,4 l/stroke
for filling measuring vessels, storage cans and canisters
Dimensions of package LWH (mm):
820 x 155 x 115

Technical data

Material components
moistened by the liquid used: stainless steel
(1.4571 and 1.4305)
Material of seals: Viton®, FKM
Pump volume (l/stroke): 0,4 (approx. 20 l/min)
Media resistance: see stability list
Capacity range: for max. 60 l one-way container
Discharge: turnable and unscrewable
Length suction tube: 600 mm
Barrel screw coupling: G 2" male

Specification

- Packed in single carton box



13 009

13 009 954

13 009

Chemical pump, PP / FKM

SRL 940, 0,2 l/stroke
for filling measuring vessels, storage cans and canisters
Anti-freeze, screen cleaners, mild acids, solvents, cleaners and oils
Material of seals:
Viton®, FKM
Dimensions of package LWH (mm):
625 x 100 x 75

Technical data

Material components
moistened by the liquid used: Polypropylene
Pump volume (l/stroke): 0,2 (approx. 20 l/min)
Media resistance: see stability list
Capacity range: container, for 60 / 200 / 220 l
Discharge: turnable and unscrewable
Length suction tube: 940 mm

13 009 954

Chemical pump, PP / EPDM

SRL 940, 0,2 l/stroke
for filling measuring vessels, storage cans and canisters
Material of seals:
Ethylene - Propylene, EPDM
Dimensions of package LWH (mm):
625 x 100 x 75

Barrel screw coupling: G 2" male and 2" male buttress thread
Adapter: 2" female on 70 x 6 male

Specification

- Two-part suction tube
- Through barrel screw coupling height adjustable
- Packed in single carton box
- With bar code

13 009 956

Chemical pump, PP / NEOP

SRL 940, 0,2 l/stroke
for filling measuring vessels, storage cans and canisters
Material of seals:
Neoprene, NEOP
Dimensions of package LWH (mm):
625 x 100 x 75

13 009 956

Article no.

13 009 950



13 009 950

Technical data

Material components moistened by the liquid used: Polypropylene
 Material of seals: Neoprene, NEOP
 Pump volume (l/stroke): 0,2 (approx. 20 l/min)
 Media resistance: see stability list
 Capacity range: container, for 60 / 200 / 220 l
 Length discharge hose: 1500 mm
 Length suction tube: 885 mm
 Barrel screw coupling: G 2" male

Chemical pump, PP

SRL 885, 0, 2 l/stroke
 for filling measuring vessels, storage cans and canisters
 Discharge: transparent discharge hose
 Dimensions of package LWH (mm): 760 x 135 x 90

Specification

- Anti-freeze, screen cleaners, mild acids, alkaline solutions, soaps, thinners (pure or diluted in water)
- Two-part suction tube
- Through barrel screw coupling height adjustable
- Packed in single carton box
- With bar code

STEEL BARREL PUMPS

Technical data

Pumping media: oils, up to SAE 90
 Material of seals: NBR (buna N)
 Pump volume (l/stroke): 0,72 (approx. 20 l/min)
 Capacity range: container, for 60 / 200 / 220 l
 Surface treatment: all steel components are galvanized
 Pump head: impact-resistant zinc die casting
 Pump body: steel
 Length suction tube: 840 mm
 Barrel screw coupling: G 2" male and M 64 x 4 male

Steelpipe - barrel pump

SRL 840, 20 l/min
 Discharge: plastic discharge spout, fastened by cap nut
 Dimensions of package LWH (mm): 1100 x 85 x 85

13 010



13 010

Specification

- For oils, up to SAE 90, self-lubricating, non-aggressive media, undiluted anti-freeze, fuel oil, diesel, petroleum
- Through barrel screw coupling (19 526) height adjustable
- Packed in single carton box
- With bar code

Manual pumps

Article no.

STEEL BARREL PUMPS



13 012

13 012

Steelpipe - barrel pump

SRL 480 - 900 mm, approx. 16 l/min
Discharge: steel discharge spout, secured by cap screw
Dimensions of package LWH (mm): 800 x 90 x 90

Technical data

Pumping media: oils, up to SAE 90
Material of seals: PVC / NBR
Pump volume (l/stroke): 0,3 (approx. 16 l/min)

Capacity range: container, for 60 / 200 / 220 l

13 012 952

Steelpipe - barrel pump, with ZBH

SRL 480 - 900 mm, approx. 16 l/min for direct filling of gearboxes and difficult to access locations, with installation set (13 070), for gearbox oil filling
Discharge: through discharge hose, steel discharge spout and lever ball valve
Dimensions of package LWH (mm): 800 x 90 x 90

Surface treatment: all steel components are galvanized

Pump head: impact-resistant zinc die casting steel

Pump body: telescopic tube

Suction pipe: 480 up to 900 mm

Barrel screw coupling: G 2" male and 2" male buttress thread

Package: Sales package, with bar code



13 012 952

13 012 954

Steelpipe - barrel pump, with ZBH

SRL 480 - 900 mm, approx. 16 l/min
Discharge: steel discharge spout, with anti-drip nozzle, secured by cap screw
Dimensions of package LWH (mm): 800 x 90 x 90

Specification

- For oils, up to SAE 90, self-lubricating, non-aggressive media, undiluted anti-freeze, fuel oil, diesel, petroleum
- Packed in single carton box



13 012 954

Article no.

Technical data

Pumping media: oils, up to SAE 140
 Material of seals: NBR (buna N)
 Pump volume (l/stroke): 0,1 (approx. 10 l/min)
 Capacity range: container, for 60 / 200 / 220 l
 Discharge: Steel discharge spout
 Surface treatment: all steel components are galvanized
 Pump head: impact-resistant zinc die casting
 Pump body: steel
 Suction pipe: telescopic tube
 Length suction tube: 480 up to 900 mm
 Barrel screw coupling: G 2" male and M 64 x 4 male

Steelpipe - barrel pump

SRL 480 - 900 mm, 10 l/min
 Discharge: steel discharge spout
 Dimensions of package LWH (mm): 590 x 100 x 100

Specification

- For oils, up to SAE 140, self-lubricating, non-aggressive media
- Through barrel screw coupling (19 526) height adjustable
- Packed in single carton box

13 013



13 013

Technical data

Pumping media: oils, up to SAE 140
 Material of seals: NBR (buna N)
 Pump volume (l/stroke): 0,1 (approx. 10 l/min)
 Capacity range: container, for 60 / 200 / 220 l
 Surface treatment: all steel components are galvanized
 Pump head: impact-resistant zinc die casting
 Pump body: steel
 Length suction tube: 840 mm
 Barrel screw coupling: G 2" male and M 64 x 4 male

Steelpipe - barrel pump

SRL 840, 10 l/min
 Discharge: plastic discharge spout, fastened by cap nut
 Dimensions of package LWH (mm): 1100 x 85 x 85

Steelpipe - barrel pump

SRL 840, 10 l/min, STAK
 Discharge: steel discharge spout
 Dimensions of package LWH (mm): 1100 x 85 x 80

Steelpipe - barrel pump

SRL 840 mm, 10 l/min, STAK
 Discharge: PVC discharge hose, 1000 mm, with plastic discharge spout, with hose assembly (13 099)
 Dimensions of package LWH (mm): 1100 x 85 x 80

Specification

- For oils, up to SAE 140, self-lubricating, non-aggressive media
- Through barrel screw coupling (19 526) height adjustable
- Packed in single carton box
- With bar code

13 015



13 015

13 016

13 016

13 017



13 017

Manual pumps

Article no.

LEVER ACTION PUMPS

13 020

Lever action pump, with ZBH

SRL 1200, approx. 12 l/min
 Discharge: PVC discharge hose, 1000 mm, with plastic discharge spout
 two-part suction tube, can be cut to length
 Dimensions of package LWH (mm): 590 x 100 x 90

Technical data

Pumping media: oils, up to SAE 50
 Material of seals: NBR (buna N)
 Pump volume (l/stroke): 0,12 (approx. 12 l/min)
 Capacity range: container, for 60 / 200 / 220 l
 Pump housing: impact-resistant zinc die casting
 Length suction tube: 1200 mm
 Barrel screw coupling: G 2" male and M 64 x 4 male
 Package: Sales package, with bar code

13 028

Lever action pump, with ZBH

SRL 1500, approx. 12 l/min
 Discharge: through PVC discharge hose, 1000 mm, with plastic outlet
 triple-part suction pipe, can be cut to length
 Dimensions of package LWH (mm): 590 x 100 x 90

Specification

- For oils, up to SAE 50, self-lubricating, non-aggressive media, undiluted anti-freeze, fuel oil, diesel, petroleum
- Packed in single carton box

13 030

Lever action pump, with ZBH

SRL 1200, approx. 18 l/min
 Discharge: through PVC discharge hose, 1000 mm, with plastic outlet
 Dimensions of package LWH (mm): 590 x 100 x 90

Technical data

Pumping media: oils, up to SAE 50
 Material of seals: NBR (buna N)
 Pump volume (l/stroke): 0,14 (approx. 18 l/min)
 Capacity range: container, for 60 / 200 / 220 l
 Pump housing: impact-resistant zinc die casting
 Lacquering: silver
 Length suction tube: 1200 mm
 Barrel screw coupling: G 2" male and M 64 x 4 male
 Package: Sales package, with bar code

Specification

- For oils, up to SAE 50, self-lubricating, non-aggressive media, undiluted anti-freeze, fuel oil, diesel, petroleum
- Two-part suction tube, can be cut to length
- Packed in single carton box



13 020



13 028



13 030

Technical data

Pumping media: oils, up to SAE 50
 Material of seals: NBR (buna N)
 Pump volume (l/stroke): 0,36 (approx. 35 l/min)
 Capacity range: container, for 200 / 220 l
 Pump housing: impact-resistant aluminium pressure die casting
 Lacquering: silver
 Length suction tube: 840 mm
 Barrel screw coupling: G 2" male and M 64 x 4 male

Specification

- For oils, up to SAE 50, self-lubricating, non-aggressive media, undiluted anti-freeze, fuel oil, diesel, petroleum
- Packed in single carton box

Lever action pump, with ZBH

SRL 840, approx. 35 l/min
 Discharge: through Perbunan discharge hose, 1000 mm, with steel outlet
 Dimensions of package LWH (mm): 820 x 155 x 115

Lever action pump, with ZBH

SRL 840 mm, ca. 35 l/min
 Discharge: through Perbunan discharge hose, 1000 mm, with steel outlet, anti-kink spring and two hose clips
 Dimensions of package LWH (mm): 820 x 155 x 115

Technical data

Pumping media: oils, up to SAE 50
 Material of seals: NBR (buna N)
 Pump volume (l/stroke): 0,36 (approx. 35 l/min)
 Capacity range: container, for 60 / 200 / 220 l
 Pump housing: impact-resistant aluminium pressure die casting
 Suction pipe: telescopic tube
 Length suction tube: 480 up to 930 mm
 Barrel screw coupling: G 2" male and M 64 x 4 male

Specification

- For oils, up to SAE 50, self-lubricating, non-aggressive media, undiluted anti-freeze, fuel oil, diesel, petroleum
- Anti-kink spring and two hose clips
- Packed in single carton box

Lever action pump, with ZBH

SRL 480 - 930 mm, approx. 35 l/min
 Discharge spout: through Perbunan discharge hose, 1000 mm, with steel discharge spout
 Dimensions of package LWH (mm): 820 x 155 x 115

Article no.

13 040



13 042

13 040



13 042

13 041



13 041

Manual pumps

Article no.



13 049

LEVER ACTION PUMPS

13 049

Lever action pump, with ZBH

SRL 508 - 980 mm, approx. 25 l/min

Application: for filling measuring vessels, storage cans and canisters

Discharge: angled, with anti-drip nozzle

Dimensions of package LWH (mm): 820 x 155 x 115

Technical data

Pumping media: oils, up to SAE 90

Material of seals: NBR (buna N)

Pump volume (l/stroke): 0,25 (approx. 25 l/min)

Capacity range: container, for 60 / 200 / 220 l

Pump housing: impact-resistant zinc die casting silver

Lacquering: Max. height for measurement vessel: 300 mm

Distance pump body - centre / outlet: 120 mm

Suction pipe: telescopic tube

Length suction tube: 508 up to 980 mm

Barrel screw coupling: G 2" male and M 64 x 4 male

Specification

- For oils, up to SAE 90, self-lubricating, non-aggressive media
- With cap nut for fixing
- Packed in single carton box



17 026

GEAR OIL PUMPS

17 026

Gear oil pump

SRL 650, approx. 25 l/min, DW for direct filling of gearboxes and difficult to access locations, for max. 60 l one-way container

Discharge: through discharge hose, steel discharge spout and lever ball valve

Dimensions of package LWH (mm): 820 x 155 x 115

Technical data

Pumping media: oils, up to SAE 140

Material of seals: NBR (buna N)

Pump volume (l/double stroke): 0,25 (approx. 25 l/min)

Surface treatment: all steel components are galvanized

Pump head: made of solid material

Pump body: steel

Length suction tube: 650 mm

Barrel screw coupling: G 2" male and M 64 x 4 male

17 028

Gear oil pump, with trolley

SRL 650, approx. 25 l/min, DW for direct filling of gearboxes and difficult to access locations, for all one-way containers from 5 l to max. 60 l

Discharge: through discharge hose, steel discharge spout and lever ball valve

Trolley, with 2 wheels and support foot, drip tray, suspension and pump mounting (17 008 950)

Lacquering trolley: Pantone 294c, blue satin

Dimensions of package LWH (mm): 820 x 480 x 300

Specification

- Oils, up to SAE 140, self-lubricating, non-aggressive media
- Discharge hose, 1500 mm, NBR, with textile insert 17 003
- Steel discharge spout, with lever ball valve (13 096)
- Through barrel screw coupling (19 526) height adjustable
- Packed in single carton box



17 028

Technical data

Pumping media: oils, up to SAE 140

Material of seals: NBR (buna N)

Pump volume (l/stroke): 0,05 (approx. 6 l/min)

Capacity range: max. 60 l one-way container

Surface treatment: all steel components are galvanized

Pump head: impact-resistant zinc die casting

Pump body: steel

Gear oil pump

SRL 650, approx. 6 l/min

For direct filling of gearboxes and difficult to access locations

Discharge: through discharge hose, steel discharge spout and lever ball valve

Dimensions of package LWH (mm): 800 x 480 x 100

Specification

- Oils, up to SAE 140, self-lubricating, non-aggressive media
- Discharge hose, 1500 mm, NBR, with textile insert (17 003)
- Steel discharge spout, with lever ball valve (13 096)
- Through fixing star (17 196) height adjustable
- Packed in single carton box

Article no.

17 024



17 024

Manual pumps



17 024 950

Article no.

17 024 950

GEAR OIL PUMPS

Gear oil pump, with trolley

SRL 650, approx. 6 l/min
for direct filling of gearboxes and
difficult to access locations
Discharge: through discharge hose,
steel discharge spout and lever ball
valve
Dimensions of package LWH (mm):
800 x 480 x 300

Technical data

Pumping media:	oils, up to SAE 140
Material of seals:	NBR (buna N)
Pump volume (l/stroke):	0,05 (approx. 6 l/min)
Capacity range:	all containers from 5 l up to max. 60 l one-way containers
Surface treatment:	all steel components are galvanized
Pump head:	impact-resistant zinc die casting steel
Pump body:	steel
Length suction tube:	650 mm
Barrel screw coupling:	G 2" male and M 64 x 4 male
Lacquering trolley:	Pantone 294c, blue satin

Specification

- Oils, up to SAE 140, self-lubricating, non-aggressive media
- Discharge hose, 1500 mm, NBR, with textile insert (17 003)
- Steel discharge spout, with lever ball valve (13 096)
- Barrel screw coupling, height adjustable (19 526)
- Trolley, with 2 wheels and support foot, drip tray, suspension and pump mounting (19 708 950)
- Packed in single carton box

Technical data

Pumping media: oils, up to SAE 140

Material of seals: NBR (buna N)

Pump volume (l/stroke): 0,05 (approx. 6 l/min)

Capacity range: 20 l bucket

Surface treatment: all steel components are galvanized

Pump head: impact-resistant zinc die casting

Pump body: steel

Length suction tube: 500 mm

Diameter dust covers: 342 mm

Lacquering dust cover: Pantone 294c, blue satin

Specification

- Oils, up to SAE 140, self-lubricating, non-aggressive media
- Perbunan discharge hose, 1500 mm
- Steel discharge spout
- Fixing star (17 197)
- Dust cover, with drip opening (17 190)
- Packed in single carton box

Gear oil pump

SRL 500, approx. 6 l/min for direct filling of gearboxes and difficult to access locations

Discharge: through discharge hose and steel discharge spout

Dimensions of package LWH (mm): 670 x 420 x 100

Gear oil pump, with lever ball valve

SRL 500, approx. 6 l/min for direct filling of gearboxes and difficult to access locations

Discharge: through discharge hose, steel discharge spout, with lever ball valve (13 096)

Dimensions of package LWH (mm): 670 x 420 x 100

Article no.

17 018



17 018

17 018 010



17 018 010

Manual pumps

Article no.

GEAR OIL PUMPS

17 016

Gear oil pump, for KK

SRL 500, approx. 25 l/min
for direct filling of gearboxes and
difficult to access locations
Discharge: through discharge hose
and steel discharge spout
Dimensions of package LWH (mm):
600 x 100 x 90

Technical data

Pumping media: oils, up to
SAE 140
Material of seals: NBR (buna N)
Pump volume
(l/stroke): 0,05 (approx.
6 l/min)
Capacity range: 20 l plastic
canister
Surface treatment: all steel
components are
galvanized
Pump head: impact-resistant
zinc die casting
Pump body: steel
Length suction tube: 500 mm
Barrel screw coupling,
female thread: M 60 x 5 female

Specification

- Oils, up to SAE 140,
self-lubricating, non-aggressive
media
- Transparent discharge hose,
1500 mm, with steel discharge spout
- Barrel screw coupling, for plastic
container, height adjustable
(19 529)
- Packed in single carton box



17 016

ROTARY PUMPS

13 055

Rotary pump

SRL 980, approx. 30 l/min
for filling measuring vessels, storage
cans and canisters
Discharge: Steel discharge spout
Dimensions of package LWH (mm):
350 x 170 x 125

Technical data

Pumping media: oils, up to SAE 90
Material of seals: NBR (buna N)
Pump volume
(l/stroke): 0,25 (approx.
30 l/min)
Capacity range: container, for
60 / 200 / 220 l
Pump housing: steel die casting
Lacquering: Pantone 294c,
blue satin
Length suction tube: 980 mm
Barrel screw
coupling: G 2" male

Specification

- For oils, up to SAE 90,
self-lubricating, non-aggressive
media, fuel oil, diesel, petroleum
- Easy to operate manual rotation with
high transmission ratio, for simple use
- Through barrel screw coupling
height adjustable
- Packed in carton box
- With bar code



13 055

Technical data

Pumping media: oils, up to SAE 90
 Material of seals: NBR (buna N)
 Pump volume (l/stroke): 0,25 (approx. 30 l/min)
 Capacity range: container, for 60 / 200 / 220 l
 Pump housing: steel die casting
 Lacquering: Pantone 294c, blue satin
 Length suction tube: 980 mm
 Barrel screw coupling: G 2" male

Rotary pump, with ZBH

SRL 980, approx. 30 l/min for filling measuring vessels, storage cans, and canisters and for tank filling
 Discharge: steel discharge spout or over discharge hose with steel outlet
 Dimensions of package LWH (mm): 400 x 330 x 145

Specification

- For oils, up to SAE 90, self-lubricating, non-aggressive media, fuel oil, diesel, petroleum
- Easy to operate manual rotation with high transmission ratio, for simple use
- Through barrel screw coupling height adjustable
- Discharge hose, PVC, Ø 32 mm, length 2000 mm, 2 hose clips, anti-kink spring and steel discharge spout (13 075)
- Packed in carton box
- With bar code

Article no.

13 056



13 056

Manual pumps

Article no.

CAN PUMPS

17 019



17 019

Can pump, with BS/FS

SRL 500, approx. 6 l/min
for direct filling of gearboxes and difficult to access locations

Discharge: through discharge hose, steel discharge spout and lever ball valve

Dimensions of package LWH (mm):
675 x 420 x 100

Specification

- Oils, up to SAE 140, self-lubricating, non-aggressive media
- Discharge hose, 1500 mm, NBR, with textile insert (17 003)
- Through fixing star (17 196) height adjustable
- Steel discharge spout, with lever ball valve (13 096)
- Packed in single carton box
- Barrel screw coupling for plastic container, height adjustable (19 519)

Technical data

Pumping media:	oils, up to SAE 140
Material of seals:	NBR (buna N)
Pump volume (l/stroke):	0,05 (approx. 6 l/min)
Capacity range:	rectangular 20 l original containers or right angled plastic barrels with external thread (M62,2 x 4mm)
Surface treatment:	all steel components are galvanized
Pump head:	impact-resistant zinc die casting steel
Pump body:	steel
Length suction tube:	500 mm

17 019 950



17 019 950

Can pump, with FS

SRL 500, approx. 6 l/min
for direct filling of gearboxes and difficult to access locations

Discharge: through discharge hose, steel discharge spout and lever ball valve

Dimensions of package LWH (mm):
675 x 420 x 100

Specification

- Oils, up to SAE 140, self-lubricating, non-aggressive media
- Discharge hose, 1500 mm, NBR, with textile insert (17 003)
- Steel discharge spout, with lever ball valve 13 096
- Barrel screw coupling, for plastic container, height adjustable (19 519)
- Packed in single carton box

Technical data

Pumping media:	oils, up to SAE 140
Material of seals:	NBR (buna N)
Pump volume (l/stroke):	0,05 (approx. 6 l/min)
Capacity range:	rectangular 20 l plastic canisters
Surface treatment:	all steel components are galvanized
Pump head:	impact-resistant zinc die casting steel
Pump body:	steel
Length suction tube:	500 mm
Barrel screw coupling, female thread:	M 62,5 x 4 female

MANUAL PUMPS - DOUBLE-ACTING

Technical data

Pumping media: fuel oil, diesel, petroleum
 Material of seals: NBR (buna N)
 Capacity range: container and storage tanks, for 200 / 220 l

Connection, suction side: 1/2" female
 Pump body: steel die casting
 Lacquering: Pantone 294c, blue satin

Specification

- Handle, made of wood
- Accessories required

Manual pump, DW, 15 l/min

Connection, suction side: 1/2" female for filling measuring- buckets and beakers, storage cans, canisters, and for refuelling
 Dimension LWH (mm): 310 x 150 x 170

Manual pump, DW, 25 l/min

Connection, suction side: 3/4" female for filling measuring- buckets and beakers, storage cans, canisters, and for refuelling
 Dimension LWH (mm): 310 x 190 x 190

Manual pump, DW, 35 l/min

Connection, suction side: 1" female for filling measuring- buckets and beakers, storage cans, canisters, and for refuelling
 Dimension LWH (mm): 380 x 200 x 200

Manual pump, DW,45 l/min

Connection, suction side: 1 1/4" female for filling measuring- buckets and beakers, storage cans, canisters, and for refuelling
 Dimension LWH (mm): 380 x 240 x 240

Manual pump, DW, 85 l/min

Connection, suction side: 1 1/2" female for filling measuring- buckets and beakers, storage cans, canisters, and for refuelling
 Dimension LWH (mm): 600 x 300 x 300

Article no.

13 253



13 253

13 256



13 259

13 259

13 262

13 268



13 268

Manual pumps

Article no.

MANUAL PUMPS - DOUBLE-ACTING, WITH ACCESSORIES

13 253 950

Manual pump, DW, 15 l/min

SRL 920, with accessories for filling measuring- buckets and beakers, storage cans, canisters, and for refuelling

Suction tube Ø: 3/4" male

Discharge: steel discharge spout or over discharge hose with steel outlet

Dimension LWH (mm):

1600 x 150 x 170

Technical data

Pumping media: fuel oil, diesel, petroleum

Material of seals: NBR (buna N)

Capacity range: container, for 200 / 220 l

Barrel screw

coupling: G 2" male

Pump body: steel die casting

Lacquering: Pantone 294c, blue satin

13 256 950

Manual pump, DW, 25 l/min

SRL 920, with accessories for filling measuring- buckets and beakers, storage cans, canisters, and for refuelling

Suction tube Ø: 3/4" male

Discharge: steel discharge spout or over discharge hose with steel outlet

Dimension LWH (mm):

1600 x 190 x 190

Specification

- Handle, made of wood
- Suction tube, steel discharge spout, barrel screw coupling, discharge hose, NBR, Ø 32,5 mm male, length = 2000 mm

13 259 950

Manual pump, DW, 35 l/min

SRL 920, with accessories for filling measuring- buckets and beakers, storage cans, canisters, and for refuelling

Suction tube Ø: 1" male

Discharge: steel discharge spout or over discharge hose with steel outlet

Dimension LWH (mm):

1600 x 200 x 200

13 262 950

Manual pump, DW, 45 l/min

SRL 920, with accessories for filling measuring- buckets and beakers, storage cans, canisters, and for refuelling

Suction tube Ø: 1" male

Discharge: steel discharge spout or over discharge hose with steel outlet

Dimension LWH (mm):

1700 x 240 x 240

Technical data

Pumping media: fuel oil, diesel, petroleum

Material of seals: NBR (buna N)

Capacity range: container, for 200 / 220 l

Barrel screw

coupling: G 2" male

Suction tube Ø: 1" a

Pump body: steel die casting

Lacquering: Pantone 294c, blue satin

Specification

- Handle, made of wood
- Suction tube, steel discharge spout, barrel screw coupling, discharge hose, NBR, Ø 39 mm male, length = 2000 mm



13 253 950



13 259 950



13 262 950

Technical data

Pumping media:	fuel oil, diesel, petroleum
Material of seals:	NBR (buna N)
Capacity range:	container, for 200 / 220 l
Barrel screw coupling:	G 2" male
Pump body:	steel die casting
Lacquering:	Pantone 294c, blue satin

Specification

- Handle, made of wood
- Suction tube, steel discharge spout,
barrel screw coupling, discharge
hose, NBR, Ø 39 mm male,
length = 2000 mm

Manual pump, DW, 85 l/min

SRL 920, with accessories
for filling measuring- buckets and
beakers, storage cans, canisters,
and for refuelling
Discharge: steel discharge spout or
over discharge hose with steel outlet
Suction tube Ø: 1" male
Dimension LWH (mm):
1700 x 300 x 300

Article no.

13 268 950

13 268 950

Manual pumps

RESISTANCE TABLE OF MANUAL PUMPS

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* 360° rotation
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
13 055		•	•	•	•		•	•	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

at an ambient temperature of 20 °C

*Delivered quantity in millilitres per stroke or 360° rotation (depending on media) 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	Fatty Acid	A	Silicone Oil	A
Acetic Acid, aqueous	A	Formic Acid, aqueous	B	Soap Solution	A
Adipic Acid	B	Fuel Oil	A	Sodium Carbonate	A
Adipic Acid, aqueous	B	Gear Oil	A	Sodium Hydroxide, aqueous	B
Aluminium Chloride, aqueous	B	Glucose, aqueous	A	Spirit	B
Ammonium Chloride	A	Glycerine, aqueous	B	Sulphur Chloride	A
Ammonium Sulphate, aqueous	B	Glycol	B	Tartaric Acid	A
Benzene	B	Hydrogen Peroxide	B	Trichlor Acetic Acid	B
Bleaching Lye	B	Lactic Acid, aqueous	B	Turpentine	A
Borax	A	Malic Acid, aqueous	A	Transformer Oil	A
Boric Acid	A	Mineral Oil	A	Vegetable Oil	A
Calcium Oxide	A	Oleic Acid	B	Vinegar	A
Chloramine, aqueous	A	Olive Oil	A	Water (distilled) up to 60 °C	A
Chlorine, aqueous	A	Paraffin	A		
Cider	A	Pentanol	B		
Common Salt Solution	A	Petrol	A		
Cupric Salt Solution, aqueous	A	Petroleum	A		
Dichloroacetic Acid	B	Photo Emulsion	A		
Diesel	A	Photo Fixer	A		
Ethene	A	Potassium Borate	B		
Ethyl Alcohol, pure	A	Potassium Chloride	A		
Ethyl Alcohol, aqueous	A	Rapseed Oil	A		
Ethylene Glycol	A	Sea Water (salt water)	A		

CHEMICAL RESISTANCE CHART (13 005)

A = no effect/excellent / B = minor effect/good

Media	Resistance	Media	Resistance	Media	Resistance
Aero Shell a AC	A	Hydrochloric acid, diluted	A	Tripen	A
Ammonium Chloride	A	IP 3 Petrol	A	Vegetable Oil	A
ASTM Test Petrol	A	Kerosene	A	Water up to 80 °C	B
ATF Oil (Additiv)	A	Linseed Oil	A	Xylamon	A
Benzene	B	Mineral Oil	A		
Bleaching Lye	A	Oleic Acid	B		
Boric Acid	B	Olive Oil	A		
Calcium Oxide	A	Paraffin	A		
Citric Acid	A	Pentanol	B		
Chlorine, aqueous	A	Petroleum	A		
Diesel	A	Potassium Chloride	A		
Ethene	A	Rapseed Oil	A		
Fatty Acid	A	Silicone Oil	A		
Fuel Oil	A	Sodium Carbonate	A		
Gear Oil	A	Spirit	B		
Glycerine, aqueous	B	Sulphur Chloride	A		
Glycol	B	Turpentine	A		

Manual pumps

CHEMICAL RESISTANCE CHART (13 009)

Acid Benzoic Solution	Diethyl Carbonate	Monochloro Benzene
Acid Carbolc (Phenol)	Diphenyl Chlorinated	Monowitro
Acid Hydrochloric or Muriatic 50% conc.	Divinyl Benzene	ChloroBenzene Muriatic Acid
Acid Nahtenic	Dinitrochlorobenzene	Nitric Acid 10% conc.
Acid Nitric – 10%. Conc	Dowtherm A/E	Nitrobenzene
Acid Oleic	Ethylene Bromide	Pentachloro Phenol
Aldehyde Acetaldehyde	Ethylene Dibromide	Perchlorethylene
Amyl Chloride	Gallic Acid	Propylene Dichloride
Benzol Acid	Glaubers Salts	Silver Cyanide Solution
Benzvl Chloride	Hydrogen Flouride	Sulphuric Acid – 60%
Butadeine	Hydrogen Peroxide 80%	Tetrachloroethane
Chromic Acid 80'/.Conc.	Methyl Bromide	Toluene (Toluel)
DDT Solutions (Toluene, Solvent)	Methyl Chlopentane	Trichloro Benzene
Diethyl Benzene	Methylen Dichloride	

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	Crtonaidehyde	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	Sodiumn 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	Oil 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 Alcohol	Propanol
Arsenic Acid	Detergent Water	Kerosene	Propionic Acid
Autom. Transm. Fluids	Developing Fluid	Ketchup	Rapeseed Oil Sol.
Barium Chloride	Dextron	Lactic Acid	Ammoniac
Solution 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
Calciurn 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.

Manual pumps

Article no.

ACCESSORIES

TROLLEYS AND ACCESSORIES



17 000

17 000

Rubber retaining strap
for trolley (17 008)
Dimension LWH (mm):
800 x 35 x 35



17 021

17 021

Handleless trolley
for containers, max. Ø 560 mm
Dimension LWH (mm):
560 x 560 x 175

Specification

- Four castor wheels



17 008

17 008

Trolley
for container 5, 10, 15, 25, 50 kg
Dimension LWH (mm):
550 x 500 x 1000

Specification

- Robust high quality trolley, easy to handle and quiet running
- Two wheels
- Rubber retaining strap (17 000)
- Hose storage rack



17 008 950

17 008 950

Trolley
for container 5 bis 60 kg
Dimension LWH (mm):
500 x 500 x 750

Technical data

Load: max. 60 kg
Lacquering: Pantone 294c, blue satin

Specification

- Two wheels, with adjustable foot, handle
- Base for 2" barrel screw coupling
- Drip tray
- Dust protection cap
- For 5 - 60 kg plastic and metal containers
- Packed in carton box



17 009

17 009

Trolley
for container 200 kg
Dimension LWH (mm):
870 x 610 x 1000

Specification

- Robust, high quality trolley, easy to handle and quiet running
- Three wheels
- Lockable steering wheel
- Hose storage rack
- Designed for mounting of hose reels, electric oil pumps and pneumatic pumps
- Drip-tray integrated on the handle, with a drain screw and removable strainer

Specification

- Three wheels

Trolley

for container 200 kg
Dimension LWH (mm):
700 x 800 x 1113

Article no.

17 009 390



17 009 390

17 009 950

Specification

- Three wheels
- Lockable steering wheel
- Designed for mounting of hose reels
- Nozzle gun holder, with drip tray

Trolley

for container 200 kg
Dimension LWH (mm):
760 x 750 x 1070

17 009 950

STABILISING-FIXING BRACKETS / PUMP FIXATION

Technical data

Material: impact-resistant zinc die casting

Inner diameter of stabilising-fixing bracket: 35,5 mm

Stabilising-fixing bracket

for 55 l, 60 l metal oil containers
Dimension LWH (mm):
340 x 210 x 55

17 196

Specification

- Adjustable to suit different container sizes
- Clamp with butterfly screws, for fastening the pump pipes
- Clamp, with butterfly screws, for mounting on a container

Stabilising-fixing bracket

rectangular 20 l original container
Dimension LWH (mm):
340 x 210 x 55

17 191



17 196

Technical data

Connection 1: G 2" female
Connection 2: for pipe, Ø 35,5 mm

Material: steel, galvanized

Pump fixation

for 20 l up to 30 l plastic canister
Dimensions of package LWH (mm):
320 x 125 x 70

17 095



17 095

Specification

- For plastic canister, 20 l up to 30 l, with integral carrying handle
- Clamping plates, with butterfly screws, for mounting on a container
- For PRESSOL hand pumps (13 005), (13 009), (13 009 950), (13 009 954), (13 009 956), (17 016), (17 019), (17 024) and (17 026)
- Through barrel screw coupling (19 626) height adjustable

Manual pumps

Article no.

DISCHARGE SPOUTS



00 239

00 844

00 239

Steel discharge spout

M 20 x 1 male, Ø 20 mm male
Dimension LWH (mm):
280 x 110 x 20

Specification

- For: (13 012), (13 013), (13 016)

00 844

Steel discharge spout

Ø 18 mm male
Dimension LWH (mm):
160 x 65 x 18

Specification

- For: (13 017), (13 020), (13 028), (13 030), (13 040)



01 018

01 051

01 018

Plastic discharge spout

Ø 18 mm male, PE
Dimension LWH (mm):
165 x 45 x 18

Specification

- For: (13 020), (13 028), (13 030)

01 051

Plastic discharge spout

Ø 15 mm male, PE
Dimension LWH (mm):
200 x 55 x 23

Specification

- For: (13 010), (13 015)

HOSES



01 017

01 017

PVC hose, 1000 mm

Ø 15 mm female
Diameter: 19 mm male
Length: 1000 mm

Specification

- For: (13 020), (13 028), (13 030)



01 052

01 052

Perbunan hose, 1000 mm

Ø 15 mm female
Diameter: 20 mm male
Length: 1000 mm

Specification

- For: (13 020), (13 028), (13 030), (13 040), (13 041), (13 042)



13 080

13 080

RETENTION ADAPTERS

Barrel screw coupling

for pipe, Ø 32 mm
Diameter: 66 mm
Length: 36 mm

Technical data

Connection: G 2" and
M 64 x 4 male
SW: 50 mm



19 526

19 526

Barrel screw coupling

for pipe, Ø 35,5 mm
Diameter: 66 mm
Length: 36 mm

Specification

- Two-step thread
- Locking screw
- For metal containers, with thread G 2" female

Technical data		Barrel screw coupling	Article no.
Connection:	M 60 x 5 female	for pipe, Ø 35,5 mm Dimension LWH (mm): 105 x 85 x 45	19 529
Specification			
<ul style="list-style-type: none"> • Locking screws • For plastic containers with male thread 			
Technical data		Barrel screw coupling	Article no.
Connection:	M 62,5 x 4 female	for pipe, Ø 35,5 mm	19 519
Specification			
<ul style="list-style-type: none"> • Locking screw • For plastic containers, with male thread 			
SUCTION TUBES, TELESCOPIC TUBES			
Specification		Plastic suction tube, G 3/8" male	Article no.
<ul style="list-style-type: none"> • For: (13 020), (13 028), (13 030) • Two-part suction tube 		Dimension LWH (mm): 540 x 35 x 20	01 019
Technical data		Telescopic tube, 480 up to 930 mm	Article no.
Material:	steel, galvanized	G 1/2" male Diameter: 30 mm Length: 480 mm	13 091
Specification			
<ul style="list-style-type: none"> • For: (13 040), (13 041), (13 042) 			
Technical data		Telescopic tube, 480 up to 930 mm	Article no.
Material:	steel	G 3/8" male Diameter: 23 mm Length: 550 mm	13 092
Specification			
<ul style="list-style-type: none"> • For: (13 020), (13 030) 			
VARIOUS ACCESSORIES			
Specification		Plastic cap nut, PE	Article no.
<ul style="list-style-type: none"> • For: (01 051) 		Diameter: 32 mm Length: 14 mm	01 057
Technical data		Gear oil installation kit,	Article no.
Connection:	M 20 x 1 male	with 1500 mm hose Dimension LWH (mm): 500 x 430 x 30	13 070
Specification			
<ul style="list-style-type: none"> • For: (13 012) • Gear oil installation kit, 1,5 m hose, steel discharge spout, with lever ball valve 			



19 529



19 519



01 019



13 091



13 092



01 057



13 070

Manual pumps

Article no.

VARIOUS ACCESSORIES



13 089

13 089

Anti-kink spring

with 2 hose clips, Ø 12 - 20 mm
Dimension LWH (mm):
200 x 50 x 30

Specification

- For hoses, with 20 mm outside diameter



13 096

13 096

Steel discharge spout

with lever ball valve
Dimension LWH (mm):
260 x 120 x 25

Technical data

Diameter discharge
spout outside: 10 mm
Discharge: 105° angled
Connection: for hoses, up to
15 mm female

Specification

- For: (17 019), (17 019 950)

13 099

13 099

Plastic hose, 1000 mm Ø 15 mm i

with plastic discharge spout,
Ø 15 mm male
Dimension LWH (mm):
55 x 40 x 20

Specification

- For: (13 010), (13 013)



13 075

13 075

Hose accessory set

Dimension LWH (mm):
390 x 360 x 150

Technical data

Connection hose female: 27 mm

Specification

- For: (13 055)
- Discharge hose, PVC, 32 mm male, length 2000 mm, 2 hose clips, anti-kink spring and steel discharge spout
- With bar code
- Packed in polybag



13 090

13 090

BARREL TAPS

Barrel tap, G 3/4" male

brass
Dimension LWH (mm):
70 x 38 x 80

Technical data

Connecting thread: G 3/4" male
Material: brass
Valve type: pipe-break valve



13 088

13 088

Barrel tap, G 3/4" male, PE

Dimension LWH (mm):
80 x 35 x 60

Technical data

Connecting thread: G 3/4" male
Material: PE
Valve type: rotary control knob



13 088 950

13 088 950

Barrel tap, G 3/4" male, PE

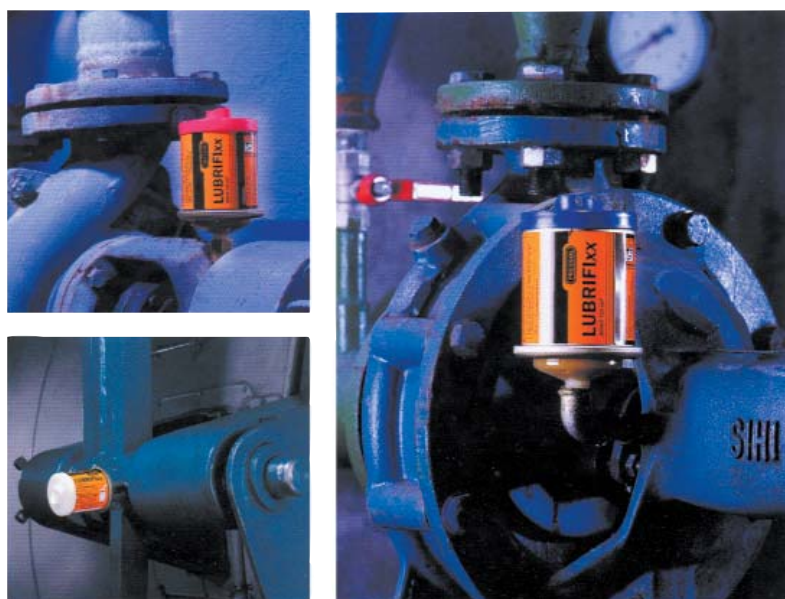
with adapter, G 2" male,
G 3/4" female
Dimension LWH (mm):
80 x 60 x 60

Lubricators



AUTOMATIC LUBRICATORS	250 - 259
RETENTION ADAPTERS FOR LUBRIFixx	260 - 261
ACCESSORIES FOR LUBRIFixx	261 - 264
STAUFFER LUBRICATORS, STEEL	264 - 265

Lubricators



SUCCESSFUL APPLICATION

- Food and beverage industry
- Transport-, shipping and traffic engineering
- Fresh and waste water engineering
- Mining industry and powery industry
- Elevation and elevator industry
- Machine and tool industry
- Print industry and others

LUBRICANT WITH BEST PERFORMANCE

LUBRIFLIX is a fully automatic and very durable lubricant dispenser, that supplies different points of lubrication in a pre-defined timeperiod independently and reliably with a lubricant. Time-intensive controlling and manual after-lubrication are not necessary any longer.

The lubrication utilising **LUBRIFLIX** will be initialised by a chemical reaction, which can be started by screwing in of the activation screw.

RUNNING TIME AND CHANGING INTERVALS

LUBRIFLIX is applicable at many points of lubrication, at which a different need of lubrication can exist. For this reason **LUBRIFLIX** is available in four different versions. The four versions are to differentiate by various colors of the starter covers and activation screws. Running time and dispensing quantity of **LUBRIFLIX** are depending on the respective average ambient temperature. After specification of the required quantity of the lubricant needed and of the ambient temperature a special list will show simply, which version will supply the respective point of lubrication with the lubricant optimally.

Versions	01W (1 month)		03B (3 months)		06R (6 months)		12G (12 months)	
Ambient temperature	Running time in months	Dispensing of lubricant in g/day	Running time in months	Dispensing of lubricant in g/day	Running time in months	Dispensing of lubricant in g/day	Running time in months	Dispensing of lubricant in g/day
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 °C	9	0,4	27	0,13				

For **LUBRIFLIX** we selected exclusively high-quality lubricants with large power reserves. See the following list of our standard lubricants selected. With these lubricants you will be able to cover most applications. We will advise you of course with the correct selection of the lubricant and will assist you at any time for information concerning special fillings with lubricants of your choice.

Code of lubricants	Designation	Lubricant material basis	Range of temperature °C	Drop point of lubricant °C	Description
F 001	Multi-purpose grease EP NLGI 2	Li, Ca	-30° up to +120°	155°	Universal-DIN KP2K-30
F 002	High temperature grease NLGI 1/2	Polycarbamide	-30° up to +120° short time +170°	215°	Long-term lubrication, use at high temperature - DIN KP2P-30
F 003	Multi purpose grease +MoS ₂ NLGI 2	Li, Ca	-30° up to +120°	150°	Use at very high-power drive and at high temperatures, with emergencies operation properties - DIN KPF2-30
F 004	High temperature grease +MoS ₂	Polycarbamide	-30° up to +150° short time +170°	220°	Long-term lubrication, at very high-power drive and at high temperatures, with emergencies operation properties - DIN KP2P-30
F 006	Viscous oil EP NLGI 0	Na	-20° up to +120°	175°	Gearing, Chaingear DIN GPOM-20
F 100	High performance grease for foodstuffs industry NLGI 2	Al-Complex	-20° up to +120°	>250°	Machines in food industry, filling and packing systems - DIN KF2K-20, USDA-H1
O 001	spindle oil CL/HL	Mineral-oil	ISO VG 10		Spindle bearing on heavy-duty textile and precision machines
O 004	Machine oil CLP	Mineral-oil	ISO VG 68		High load bearings excellent protection against abrasion and corrosion
O 015	Adhesive oil	Mineral-oil	ISO VG 320		Adhesive Oil, for lubrication of chains, bolts, rams, joints and bearings
O 100	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.

Lubricators

Article no.

AUTOMATIC LUBRICATORS

LUBRIFlxx LUBRICATORS, F 001



33 101

33 101

LUBRIFlxx lubricator

M1, F 001

Operating time: 1 month
 Discharge capacity at 25 °C
 ambient temperature: 3,6 g/day
 Discharge capacity at 35 °C
 ambient temperature: 5,2 g/day
 Diameter: 70 mm
 Length: 110 mm

Technical data

Lubricant capacity: 120 cm³
 Type of lubricant
 (F 001): multi purpose
 grease EP,
 NLGI 2
 Basic lubricant
 component: Li, Ca
 Temperature -
 operational range: -30 °C up to
 +120 °C



33 121

33 121

LUBRIFlxx lubricator

M3, F 001

Operating time: 3 months
 Discharge capacity at 25 °C
 ambient temperature: 1,2 g/day
 Discharge capacity at 35 °C
 ambient temperature: 1,5 g/day
 Diameter: 70 mm
 Length: 110 mm

Drop point
 of lubricant: 155 °C
 Description of
 lubricant: Universal -
 DIN KP2K-30
 Delivery of lubricant: automatic, without
 external power
 supply
 Connecting thread: G 1/4" male



33 141

33 141

LUBRIFlxx lubricator

M6, F 001

Operating time: 6 months
 Discharge capacity at 25 °C
 ambient temperature: 0,6 g/day
 Discharge capacity at 35 °C
 ambient temperature: 0,8 g/day
 Diameter: 70 mm
 Length: 110 mm



33 161

33 161

LUBRIFlxx lubricator

M12, F 001

Operating time: 12 months
 Discharge capacity at 25 °C
 ambient temperature: 0,3 g/day
 Discharge capacity at 35 °C
 ambient temperature: 0,4 g/day
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx LUBRICATORS, F 002

Technical data

Lubricant capacity: 120 cm³
 Type of lubricant (F 002): high temperature grease, NLGI 1/2
 Basic lubricant component: Polyurea
 Temperature - operational range: -30 °C up to +150 °C, short-term +170 °C

Drop point of lubricant: 215 °C
 Description of lubricant: long-term lubrication, use at high temperatures, DIN KP2P - 30, DIN KP2P - 30

Delivery of lubricant: automatic, without external power supply

Connecting thread: G 1/4" male

LUBRIFlxx lubricator

M1, F 002
 Operating time: 1 month
 Discharge capacity at 25 °C ambient temperature: 3,6 g/day
 Discharge capacity at 35 °C ambient temperature: 5,2 g/day
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M3, F 002
 Operating time: 3 months
 Discharge capacity at 25 °C ambient temperature: 1,2 g/day
 Discharge capacity at 35 °C ambient temperature: 1,5 g/day
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M6, F 002
 Operating time: 6 months
 Discharge capacity at 25 °C ambient temperature: 0,6 g/day
 Discharge capacity at 35 °C ambient temperature: 0,8 g/day
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M12, F 002
 Operating time: 12 months
 Discharge capacity at 25 °C ambient temperature: 0,3 g/day
 Discharge capacity at 35 °C ambient temperature: 0,4 g/day
 Diameter: 70 mm
 Length: 110 mm

Article no.

33 102



33 102

33 122



33 122

33 142



33 142

33 162



33 162

Lubricators

Article no.

LUBRIFlxx LUBRICATORS, F 003



33 103

33 103

LUBRIFlxx lubricator

M1, F 003

Operating time: 1 month
 Discharge capacity at 25 °C
 ambient temperature: 3,6 g/day
 Discharge capacity at 35 °C
 ambient temperature: 5,2 g/day
 Diameter: 70 mm
 Length: 110 mm

Technical data

Lubricant capacity: 120 cm³
 Type of lubricant (F 003): multi purpose grease + MoS₂, NLGI 2
 Basic lubricant component: Li, Ca
 Temperature - operational range: -30 °C up to +120 °C



33 123

33 123

LUBRIFlxx lubricator

M3, F 003

Operating time: 3 months
 Discharge capacity at 25 °C
 ambient temperature: 1,2 g/day
 Discharge capacity at 35 °C
 ambient temperature: 1,5 g/day
 Diameter: 70 mm
 Length: 110 mm

Drop point of lubricant: 150 °C
 Description of lubricant: use under high loads, with emergency operation properties
 DIN KPF2K-30



33 143

33 143

LUBRIFlxx lubricator

M6, F 003

Operating time: 6 months
 Discharge capacity at 25 °C
 ambient temperature: 0,6 g/day
 Discharge capacity at 35 °C
 ambient temperature: 0,8 g/day
 Diameter: 70 mm
 Length: 110 mm

Delivery of lubricant: automatic, without external power supply
 Connecting thread: G 1/4" male



33 163

33 163

LUBRIFlxx lubricator

M12, F 003

Operating time: 12 months
 Discharge capacity at 25 °C
 ambient temperature: 0,3 g/day
 Discharge capacity at 35 °C
 ambient temperature: 0,4 g/day
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx LUBRICATORS, F 004

Technical data

Lubricant capacity: 120 cm³
 Type of lubricant (F 004): high temperature grease + MoS₂, NLGI 1/2
 Basic lubricant component: Polyurea
 Temperature - operational range: -30 °C up to +150 °C, short-term +170 °C
 Drop point of lubricant: 220 °C
 Description of lubricant: long-term lubrication, at very high power drive and at high temperatures, emergencies operation properties, DIN KPF2P-30
 Delivery of lubricant: automatic, without external power supply
 Connecting thread: G 1/4" male

LUBRIFlxx lubricator

M1, F 004
 Operating time: 1 month
 Discharge capacity at 25 °C Ambient temperature: 3,6 g/day
 Discharge capacity at 35 °C Ambient temperature: 5,2 g/day
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M3, F 004
 Operating time: 3 months
 Discharge capacity at 25 °C Ambient temperature: 1,2 g/day
 Discharge capacity at 35 °C Ambient temperature: 1,5 g/day
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M6, F 004
 Operating time: 6 months
 Discharge capacity at 25 °C Ambient temperature: 0,6 g/day
 Discharge capacity at 35 °C Ambient temperature: 0,8 g/day
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M12, F 004
 Operating time: 12 months
 Discharge capacity at 25 °C Ambient temperature: 0,3 g/day
 Discharge capacity at 35 °C Ambient temperature: 0,4 g/day
 Diameter: 70 mm
 Length: 110 mm

Article no.

33 104



33 104

33 124



33 124

33 144



33 144

33 164



33 164

Lubricators

Article no.

LUBRIFlxx LUBRICATORS, F 006



33 106

33 106

LUBRIFlxx lubricator

M1, F 006
 Operating time: 1 month
 Discharge capacity at 25 °C
 Ambient temperature: 3,6 g/day
 Discharge capacity at 35 °C
 Ambient temperature: 5,2 g/day
 Diameter: 70 mm
 Length: 110 mm

Technical data

Lubricant capacity: 120 cm³
 Type of lubricant (F 006): viscous transmission oil, EP NLGI 0
 Basic lubricant component: Na
 Temperature - operational range: -20 °C up to +120 °C



33 126

33 126

LUBRIFlxx lubricator

M3, F 006
 Operating time: 3 months
 Discharge capacity at 25 °C
 Ambient temperature: 1,2 g/day
 Discharge capacity at 35 °C
 Ambient temperature: 1,5 g/day
 Diameter: 70 mm
 Length: 110 mm

Drop point of lubricant: 175 °C
 Description of lubricant: gearing, chain gear, DIN GPOM-20
 Delivery of lubricant: automatic, without external power supply
 Connecting thread: G 1/4" male



33 146

33 146

LUBRIFlxx lubricator

M6, F 006
 Operating time: 6 months
 Discharge capacity at 25 °C
 Ambient temperature: 0,6 g/day
 Discharge capacity at 35 °C
 Ambient temperature: 0,8 g/day
 Diameter: 70 mm
 Length: 110 mm



33 166

33 166

LUBRIFlxx lubricator

M12, F 006
 Operating time: 12 months
 Discharge capacity at 25 °C
 Ambient temperature: 0,3 g/day
 Discharge capacity at 35 °C
 Ambient temperature: 0,4 g/day
 Diameter: 70 mm
 Length: 110 mm

p

LUBRIFlxx LUBRICATORS, F 100

Technical data

Lubricant capacity: 120 cm³
 Type of lubricant (F 100): heavy-duty grease, for food industry, NLGI 2

Basic lubricant component: Al complex
 Temperature - operational range: -20 °C up to +120 °C

Drop point of lubricant: >250 °C

Description of lubricant: machines in food industry, filling and packing systems, DIN KF2K-20, USDA-H1

Delivery of lubricant: automatic, without external power supply

Connecting thread: G 1/4" male

LUBRIFlxx lubricator

M1, F 100
 Operating time: 1 month
 Discharge capacity at 25 °C Ambient temperature: 3,6 g/day
 Discharge capacity at 35 °C Ambient temperature: 5,2 g/day
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M3, F 100
 Operating time: 3 months
 Discharge capacity at 25 °C Ambient temperature: 1,2 g/day
 Discharge capacity at 35 °C Ambient temperature: 1,5 g/day
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M6, F 100
 Operating time: 6 months
 Discharge capacity at 25 °C Ambient temperature: 0,6 g/day
 Discharge capacity at 35 °C Ambient temperature: 0,8 g/day
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M12, F 100
 Operating time: 12 months
 Discharge capacity at 25 °C Ambient temperature: 0,3 g/day
 Discharge capacity at 35 °C Ambient temperature: 0,4 g/day
 Diameter: 70 mm
 Length: 110 mm

Article no.

33 109



33 109

33 129



33 129

33 149



33 149

33 169



33 169

Lubricators

Article no.

LUBRIFlxx LUBRICATORS, O 001



33 111

33 111

LUBRIFlxx lubricator

M1, O 001
 Operating time: 1 month
 Discharge capacity at 25 °C
 Ambient temperature: 3,6 g/day
 Discharge capacity at 35 °C
 Ambient temperature: 5,2 g/day
 Diameter: 70 mm
 Length: 110 mm

Technical data

Lubricant capacity: 120 cm³
 Type of lubricant (O 001): spindle oil CL/HL
 Basic lubricant component: mineral oil
 Temperature - operational range/
 drop point: ISO VG 10
 Description of lubricant: spindle bearing on heavy-duty textile and precision machines



33 131

33 131

LUBRIFlxx lubricator

M3, O 001
 Operating time: 3 months
 Discharge capacity at 25 °C
 Ambient temperature: 1,2 g/day
 Discharge capacity at 35 °C
 Ambient temperature: 1,5 g/day
 Diameter: 70 mm
 Length: 110 mm

Delivery

of lubricant: automatic, without external power supply
 Connecting thread: G 1/4" male



33 151

33 151

LUBRIFlxx lubricator

M6, O 001
 Operating time: 6 months
 Discharge capacity at 25 °C
 Ambient temperature: 0,6 g/day
 Discharge capacity at 35 °C
 Ambient temperature: 0,8 g/day
 Diameter: 70 mm
 Length: 110 mm



33 171

33 171

LUBRIFlxx lubricator

M12, O 001
 Operating time: 12 months
 Discharge capacity at 25 °C
 Ambient temperature: 0,3 g/day
 Discharge capacity at 35 °C
 Ambient temperature: 0,4 g/day
 Diameter: 70 mm
 Length: 110 mm

p

LUBRIFlxx LUBRICATORS, O 004

Technical data

Lubricant capacity: 120 cm³
 Type of lubricant (O 004): machine oil CLP
 Basic lubricant component: mineral oil
 Temperature - operational range/ drop point: ISO VG 68
 Description of lubricant: high load bearings, excellent protection against abrasion and corrosion
 Delivery of lubricant: automatic, without external power supply
 Connecting thread: G 1/4" male

LUBRIFlxx lubricator

M1, O 004
 Operating time: 1 month
 Discharge capacity at 25 °C Ambient temperature: 3,6 g/day
 Discharge capacity at 35 °C Ambient temperature: 5,2 g/day
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M3, O 004
 Operating time: 3 months
 Discharge capacity at 25 °C Ambient temperature: 1,2 g/day
 Discharge capacity at 35 °C Ambient temperature: 1,5 g/day
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M6, O 004
 Operating time: 6 months
 Discharge capacity at 25 °C Ambient temperature: 0,6 g/day
 Discharge capacity at 35 °C Ambient temperature: 0,8 g/day
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M12, O 004
 Operating time: 12 months
 Discharge capacity at 25 °C Ambient temperature: 0,3 g/day
 Discharge capacity at 35 °C Ambient temperature: 0,4 g/day
 Diameter: 70 mm
 Length: 110 mm

Article no.

33 114



33 114

33 134



33 134

33 154



33 154

33 174



33 174

Lubricators

Article no.

LUBRIFlxx LUBRICATORS, O 015



33 118

33 118

LUBRIFlxx lubricator

M1, O 015

Operating time: 1 month
 Discharge capacity at 25 °C
 Ambient temperature: 3,6 g/day
 Discharge capacity at 35 °C
 Ambient temperature: 5,2 g/day
 Diameter: 70 mm
 Length: 110 mm

Technical data

Lubricant capacity: 120 cm³
 Type of lubricant (O 015): adhesive oil
 Basic lubricant component: mineral oil
 Temperature - operational range/
 drop point: ISO VG 320
 Description of lubricant: adhesive oil, for lubrication of chains, bolts, rams, joints and bearings



33 138

33 138

LUBRIFlxx lubricator

M3, O 015

Operating time: 3 months
 Discharge capacity at 25 °C
 Ambient temperature: 1,2 g/day
 Discharge capacity at 35 °C
 Ambient temperature: 1,5 g/day
 Diameter: 70 mm
 Length: 110 mm

Delivery of lubricant: automatic, without external power supply
 Connecting thread: G 1/4" male



33 158

33 158

LUBRIFlxx lubricator

M6, O 015

Operating time: 6 months
 Discharge capacity at 25 °C
 Ambient temperature: 0,6 g/day
 Discharge capacity at 35 °C
 Ambient temperature: 0,8 g/day
 Diameter: 70 mm
 Length: 110 mm



33 178

33 178

LUBRIFlxx lubricator

M12, O 015

Operating time: 12 months
 Discharge capacity at 25 °C
 Ambient temperature: 0,3 g/day
 Discharge capacity at 35 °C
 Ambient temperature: 0,4 g/day
 Diameter: 70 mm
 Length: 110 mm

p

LUBRIFlxx LUBRICATORS, O 100

Technical data

Lubricant capacity: 120 cm³
 Type of lubricant (O 100): heavy-duty oil
 Basic lubricant component: synthetic oil
 Temperature - operational range/ drop point: ISO VG 220
 Description of lubricant: extremely pressure resistant and penetrating adhesive lubricant, hot water resistant
 Delivery of lubricant: automatic, without external power supply
 Connecting thread: G 1/4" male

LUBRIFlxx lubricator

M1, O 100
 Operating time: 1 month
 Discharge capacity at 25 °C Ambient temperature: 3,6 g
 Discharge capacity at 35 °C Ambient temperature: 5,2 g
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M3, O 100
 Operating time: 3 months
 Discharge capacity at 25 °C Ambient temperature: 1,2 g
 Discharge capacity at 35 °C Ambient temperature: 1,5 g
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M6, O 100
 Operating time: 6 months
 Discharge capacity at 25 °C Ambient temperature: 0,6 g
 Discharge capacity at 35 °C Ambient temperature: 0,8 g
 Diameter: 70 mm
 Length: 110 mm

LUBRIFlxx lubricator

M12, O 100
 Operating time: 12 months
 Discharge capacity at 25 °C Ambient temperature: 0,3 g
 Discharge capacity at 35 °C Ambient temperature: 0,4 g
 Diameter: 70 mm
 Length: 110 mm

Article no.

33 119



33 119

33 139



33 139

33 159



33 159

33 179



33 179

Lubricators

Article no.

RETENTION ADAPTERS FOR LUBRIFIxx



63 736

63 737

63 736

Retention adapter

G 1/4" female, M 6 x 1 male
Diameter: 17 mm
Length: 20 mm

Technical data

SW: 17 mm
Material: steel, galvanized

63 737

Retention adapter

G 1/4" female, M 8 x 1 male
Diameter: 17 mm
Length: 20 mm

63 738



63 738

63 739

Retention adapter

G 1/4" female, M 8 x 1, 25 male
Diameter: 17 mm
Length: 22 mm

Technical data

SW: 17 mm
Material: brass

63 739

Retention adapter

G 1/4" female, M 10 x 1 male
Diameter: 18 mm
Length: 18 mm

Technical data

Material: steel, galvanized



63 740

63 741

63 740

Retention adapter

G 1/4" female, M 10 x 1,5 male
Diameter: 17 mm
Length: 22 mm

Technical data

SW: 17 mm
Material: brass

63 741

Retention adapter

G 1/4" female, M 12 x 1,75 male
Diameter: 17 mm
Length: 22 mm



63 745

63 745

Retention adapter

G 1/4" female, M 14 x 2 male
Diameter: 17 mm
Length: 25 mm



63 743

63 743

Retention adapter

G 1/4" female, M 12 x 1,5 male
Diameter: 19 mm
Length: 22 mm

Technical data

SW: 19 mm
Material: brass

p

Technical data		Retention adapter	Article no.
SW:	19 mm	G 1/4" female, M 16 x 1,5 male	63 747
Material:	brass	Diameter: 19 mm Length: 22 mm	
SW:	17 mm	G 1/4" female, G 1/8" male	63 732
Material:	brass	Diameter: 17 mm Length: 26 mm	
SW:	19 mm	G 1/4" female, G 3/8" male	63 735
Material:	brass	Diameter: 19 mm Length: 30 mm	
SW:	22 mm	G 1/4" female, G 1/2" male	63 731
Material:	brass	Diameter: 22 mm Length: 16 mm	



63 747

63 732



63 735

63 731

ACCESSORIES FOR LUBRIFIxx

<p>Technical data</p> <p>Casing material: brass, nickel-plated</p> <p>Material of seals: PTFE®</p> <p>Inside diameter: 7 mm</p>	<p>Lever ball valve, with turning handle</p> <p>G 1/4" female, G 1/4" male</p> <p>Dimension LWH (mm): 40 x 24 x 40</p>	63 950
<p>Technical data</p> <p>Material components in contact with the liquid used: brass</p> <p>Frequency: 50 Hz</p> <p>Safety type: IP 64</p>	<p>Solenoid valve, 220 V</p> <p>G 1/8" female, G 1/8" female</p> <p>Dimensions of package LWH (mm): 110 x 60 x 80</p> <p>Solenoid valve, 24 V</p> <p>G 3/8" female, G 3/8" female</p> <p>Dimensions of package LWH (mm): 110 x 60 x 80</p>	<p>63 951</p> <p>63 952</p>



63 950



63 951

Lubricators

Article no.

ACCESSORIES FOR LUBRIFIxx



63 789



18 085



02 791



63 954



63 955



63 750



87 055

63 789

Adapter

G 1/4" female, G 1/4" male
Diameter: 17 mm
Length: 25 mm

Technical data

SW 17 mm
Material: brass

18 085

Adapter

G 1/4" male, R 1/4" male
Length: 35 mm

Technical data

Connection 1: G 1/4" male, 60° sealing cone
Connection 2: R 1/4" male, DIN 2999
Inside diameter: 5,5 mm
SW: 18 mm
Material: steel, galvanized

02 791

Tee-piece connector

G 1/4" female, G 1/4" female, R 1/4" male
Dimension LWH (mm): 51 x 17 x 31

Technical data

Material: brass

63 954

Back flow valve

G 1/4" female, R 1/4" male for LUBRIFIxx, with oil
Diameter: 17 mm
Length: 31 mm

Technical data

SW: 17 mm
Material: steel, galvanized

63 955

Brush for lubricating, plastic

50 x 30 mm, G 1/4" female
Dimension LWH (mm): 55 x 30 x 50

63 750

Angle 45°, G 1/4" female, G 1/4" male

Dimension LWH (mm): 47 x 21 x 21

Technical data

Material: steel

87 055

Angle 90°, G 1/4" female, G 1/4" male

Dimension LWH (mm): 32 x 17 x 32

Technical data

Material: steel

Technical data			Article no.
Material:	PA	Fixing clamp, for LUBRIFlxx Dimension LWH (mm): 70 x 23 x 87	63 956
Material:	PA	Fixing clamp, for back flow valve Dimension LWH (mm): 70 x 30 x 70	63 957
Material:	PE, transparent	Plastic hose, NW 6 x 1 Length: 1000 mm	80 203
Diameter (outside):	8 mm		
Diameter (inside):	6 mm		
Connection:	screw connection, for hose, NW 6x1	Hose connection, G 1/4" female NW 6 x 1, for LUBRIFlxx SW: 17 mm	63 763
Material:	steel, galvanized	Diameter: 17 mm Length: 32 mm	
		Hose connection, G 1/4" male NW 6 x 1, for LUBRIFlxx SW: 18 mm	87 430
		Diameter: 18 mm Length: 27 mm	
Connection:	screw connection, for hose, NW 6x1	Hose connection, G 1/8" male NW 6 x 1, for LUBRIFlxx SW: 15 mm	03 497
Material:	steel, galvanized	Diameter: 15 mm Length: 25 mm	
Material:	steel	Metal extension pipe, 30 mm R 1/4" male, R 1/4" male Diameter: 14 mm Length: 30 mm	63 773
		Metal extension pipe, 80 mm R 1/4" male, R 1/4" male Diameter: 14 mm Length: 80 mm	63 958



63 956



63 957



80 203



63 763



87 430



03 497



63 773



63 958

Lubricators



63 959



63 772



60 137



60 238



60 338



60 438



60 538

Article no.

ACCESSORIES FOR LUBRIFIxx

63 959

Metal extension pipe, 120 mm

R 1/4'' male, R 1/4'' male

Diameter: 14 mm

Length: 120 mm

Technical data

Material: steel

63 772

Sleeve, G 1/4'' female, G 1/4'' female

Diameter: 17 mm

Length: 22 mm

Technical data

Material: steel, galvanized

SW: 17 mm

STAUFFER LUBRICATORS, STEEL

60 137

Stauffer lubricator

size 1, Ø 17 mm, 4 g, G 1/8'' male

Diameter: 17 mm

Length: 33 mm

Technical data

SW: 12 mm

Lubricant contents: 4 g

60 238

Stauffer lubricator

size 2, Ø 23 mm, 6 g, G 1/4'' male

Diameter: 23 mm

Length: 43 mm

Technical data

SW: 17 mm

Lubricant contents: 6 g

60 338

Stauffer lubricator

size 3, Ø 31 mm, 10 g, G 1/4'' male

Diameter: 31 mm

Length: 45 mm

Technical data

SW: 17 mm

Lubricant contents: 10 g

60 438

Stauffer lubricator

size 4, Ø 37 mm, 23 g, G 1/4'' male

Diameter: 37 mm

Length: 47 mm

Technical data

SW: 17 mm

Lubricant contents: 23 g

60 538

Stauffer lubricator

size 5, Ø 49 mm, 40 g, G 1/4'' male

Diameter: 49 mm

Length: 53 mm

Technical data

SW: 17 mm

Lubricant contents: 40 g

Article no.

Technical data

SW: 17 mm
Lubricant contents: 65 g

Stauffer lubricator

size 6, Ø 57 mm, 65 g, G 1/4" male
Diameter: 57 mm
Length: 55 mm

60 638



60 638

Technical data

SW: 17 mm
Lubricant contents: 90 g

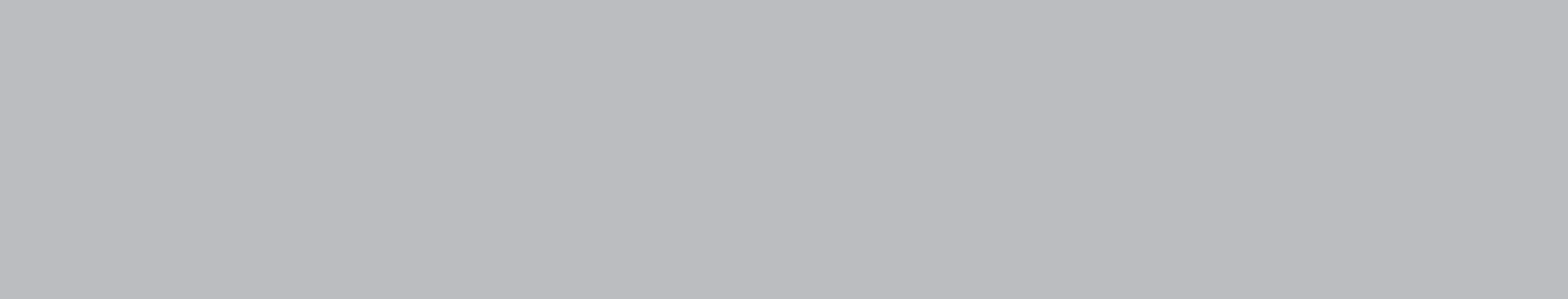
Stauffer lubricator

size 7, Ø 66 mm, 90 g, G 3/8" male
Diameter: 66 mm
Length: 62 mm

60 739



60 739



Oil level sight glasses



OIL LEVEL SIGHT GLASSES **268**

Oil level sight glasses

Article no.

OIL LEVEL SIGHT GLASSES



75 038

75 038

**Oil level sight glass, Dural,
G 1/4" male**
SW: 17 mm
Diameter: 19 mm
Length: 15 mm

Technical data

Temperature range: max. 100 °C
Pressure: 10 bar
Material
inspection glass: glass
Casing material: Aluminium



75 039

75 039

**Oil level sight glass, Dural,
G 3/8" male**
SW: 22 mm
Diameter: 24 mm
Length: 16 mm



75 040

75 040

**Oil level sight glass, Dural,
G 1/2" male**
SW: 27 mm
Diameter: 29 mm
Length: 16 mm



75 041

75 041

**Oil level sight glass, Dural,
G 3/4" male**
SW: 32 mm
Diameter: 34 mm
Length: 20 mm



75 042

75 042

**Oil level sight glass, Dural,
G 1" male**
SW: 41 mm
Diameter: 44 mm
Length: 23 mm



75 043

75 043

**Oil level sight glass, Dural,
G 1 1/4" male**
SW: 50 mm
Diameter: 54 mm
Length: 23 mm



75 044

75 044

**Oil level sight glass, Dural,
G 1 1/2" male**
SW: 55 mm
Diameter: 59 mm
Length: 24 mm



75 045

75 045

**Oil level sight glass, Dural,
G 2" male**
Tool for mounting:
pin type face wrench 40-80 mm,
dispense 3,9 mm
Diameter: 70 mm
Length: 20 mm

q



PRESSOL-Information



Article no.

INFORMATION ABOUT PRESSOL-PRODUCTS

90 966 932 Garage Equipment 2002/2003 90 966 932 A425: Catalogue

90 990 932 Oilers 90 990 932 A403: Leaflet

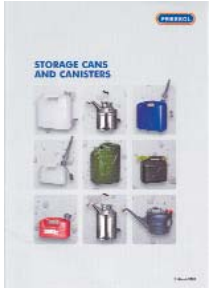
90 997 932 POMPAxx Sprayer 90 997 932 A403: Leaflet

90 985 932 Lubricants 90 985 932 A402: Leaflet

90 982 932 MULTIBOxx 90 982 932 A402: Leaflet

90 991 932 Automatic lubricator (German version) 90 991 A402: Leaflet

		Article no.
990 992 A401: Leaflet	Automatic lubricator Technical manual (German version)	90 992 932
90 996 A402: Leaflet	IDÈES FIX for quick repairs (German version)	90 996 932
90 923 932 A402: Leaflet	PNEUMAxX Grease guns	90 923 932
90 923 932 A401: Leaflet	Suction guns, industrial version	90 994 932
90 999 932 : Leaflet	Storage cans and canisters	90 999 932



General Terms of Business

1. SCOPE OF APPLICATION

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.
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

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. 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

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.
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. 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.
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

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.
2. Value added tax at the rate applicable on the day of delivery shall be added to the agreed price.
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. 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.
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.
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 such cases we are entitled to demand adequate security or to withdraw from the contract.

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.
2. The choice of the transport route and means of transport is made at our discretion, with no guarantee that they are the cheapest.
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.

5. PASSING OF RISK

1. We shall retain the ownership of the products until all claims arising from the business relationship have been fully met.
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.
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.
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.
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. 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.

6. RESERVATION OF TITLE

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.
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.
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.
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. as set out in 3. above - is one year following delivery of the products.

7. DEFECTS

General Terms of Business

7. DEFECTS

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.
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. 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

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.
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.
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 Nuremberg. 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.

DIN-Norms / Consistency classes

DIN-NORMS

DIN 1283	Grease guns; Grease guns and accessories, version 1990-11
DIN 1284	Grease guns; Grease cartridges for grease guns; main dimensions, version 1990-11
DIN 3404	Button head grease nipples, version 1988-01
DIN 3405	Funnel type grease nipples, version 1986-05
DIN 71412	Hydraulic grease nipples, version 1987-11

CONSISTENCY CLASSES

Consistency class DIN 51818 (NLGI)	Walkpenetration DIN ISO 2137 (0,1 mm)	Structure
000	445 up to 475	flowing
00	400 up to 430	almost flowing
0	355 up to 385	extremely soft
1	310 up to 340	very soft
2	265 up to 295	soft
3	220 up to 250	middle
4	175 up to 205	hard
5	130 up to 160	very hard
6	85 up to 115	extremely hard

Article Numbers/Dimensions/Weights

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
00 220	-	23	-	-	-	Ø 6 x 165	0,008
00 238	4103810002380	46	-	-	-	Ø 45 x 340	0,035
00 238 820	-	53	-	-	-	Ø 40 x 330	0,035
00 239	-	244	-	-	-	280 x 110 x 20	0,230
00 258	-	30	-	-	-	300 x 110 x 35	0,044
00 291	-	30	-	-	-	300 x 100 x 35	0,037
00 328	-	53	-	-	-	Ø 30 x 160	0,014
00 328 950	-	53	-	-	-	Ø 30 x 160	0,013
00 442	-	159	-	-	-	Ø 60,2 x 48	0,003
00 816	-	190	-	-	-	Ø 24 x 90	0,110
00 844	-	244	-	-	-	160 x 65 x 18	0,090
00 956	-	30	-	-	-	Ø 32 x 163	0,006
01 017	-	244	-	-	-	Ø 19 x 1000	0,140
01 018	-	244	-	-	-	165 x 45 x 18	0,012
01 019	-	245	-	-	-	540 x 35 x 20	0,140
01 051	-	244	-	-	-	200 x 55 x 23	0,017
01 052	-	244	-	-	-	Ø 20 x 1000	0,200
01 057	-	245	-	-	-	Ø 32 x 4	0,040
01 070	-	23	-	-	-	Ø 6 x 105	0,005
01 071	-	23	-	-	-	Ø 6 x 135	0,007
01 111	4103810011115	12	12	330 x 245 x 180	2,18	125 x 70 x 270	0,158
01 112	4103810011122	12	12	330 x 245 x 180	2,30	125 x 70 x 295	0,165
01 130	-	23	-	-	-	Ø 11 x 210	0,013
01 136	-	23	-	-	-	Ø 11 x 150	0,011
01 172	-	46	-	-	-	Ø 58 x 4	0,006
01 297	-	194	-	-	-	Ø 29 x 58	0,149
02 342	4103810023422	38	6	355 x 355 x 260	1,75	205 x 160 x 220	0,250
02 344	4103810023446	38	6	500 x 330 x 300	2,75	240 x 210 x 280	0,450
02 344 950	4103810023446	45	4	500 x 355 x 300	3,10	285 x 250 x 200	0,620
02 352	4103810023521	38	6	355 x 355 x 260	2,50	205 x 160 x 220	0,350
02 354	4103810023545	38	6	500 x 330 x 300	3,70	240 x 210 x 280	0,530
02 360	4103810023606	42	10	330 x 245 x 180	0,92	135 x 120 x 160	0,070
02 360 954	4103810023651	42	10	330 x 245 x 180	1,40	190 x 150 x 180	0,120
02 361	4103810023613	39	10	190 x 100 x 55	0,06	65 x 55 x 80	0,005
02 362	4103810023620	39	10	250 x 170 x 75	0,12	85 x 75 x 110	0,011
02 363	4103810023637	39	10	280 x 200 x 100	0,22	110 x 100 x 130	0,020
02 364	4103810023644	39	10	330 x 270 x 120	0,325	135 x 120 x 160	0,030
02 365	4103810023651	39	-	-	-	190 x 150 x 180	0,050
02 366	4103810023668	40	-	-	-	240 x 210 x 220	0,165
02 366 017	4103810420405	40	-	-	-	240 x 210 x 220	0,170
02 367	4103810023675	40	-	-	-	285 x 255 x 255	0,210
02 367 020	4103810420412	40	-	-	-	285 x 255 x 255	0,215
02 369	-	41	-	-	-	Ø 355 x 435	0,485
02 370	4103810023705	41	-	-	-	280 x 190 x 300	0,355
02 371	-	41	-	-	-	-	-
02 372	4103810023729	40	5	330 x 245 x 180	0,83	200 x 160 x 205	0,120
02 372 043	4103810023736	42	5	330 x 275 x 215	1,45	200 x 160 x 205	0,245
02 562	4103810025624	45	10	500 x 330 x 300	1,90	195 x 160 x 260	0,140
02 568	4103810025686	43	1	330 x 275 x 215	0,57	320 x 265 x 210	0,470
02 569	4103810025693	43	1	330 x 275 x 215	0,66	320 x 265 x 210	0,560
02 640	4103810026409	46	-	-	-	Ø 40 x 300	0,170
02 645	4103810026454	45	10	500 x 330 x 300	4,60	225 x 200 x 165	0,400
02 662	4103810026621	43	12	500 x 330 x 300	1,98	195 x 160 x 470	0,130
02 665	4103810026652	44	-	-	-	185 x 160 x 490	0,110

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
02 671	4103810026713	42	10	300 x 240 x 160	0,82	150 x 120 x 160	0,064
02 671 010	4103810026713	42	10	335 x 270 x 215	1,20	185 x 155 x 200	0,109
02 674	4103810026744	44	12	500 x 330 x 300	2,00	195 x 160 x 470	0,130
02 675	4103810026751	45	10	500 x 330 x 300	3,50	250 x 230 x 160	0,310
02 791	-	262	-	-	-	51 x 17 x 31	0,051
03 497	-	263	-	-	-	Ø 15 x 25	0,020
03 802	4103810038020	12	12	330 x 245 x 180	5,50	120 x 60 x 270	0,445
03 803	4103810038037	12	12	330 x 245 x 180	6,15	125 x 70 x 320	0,503
03 805	4103810038051	12	6	430 x 260 x 120	3,90	135 x 80 x 350	0,620
03 902	4103810039027	13	12	330 x 245 x 180	5,50	120 x 60 x 270	0,445
03 902 867	4103810421358	13	12	330 x 245 x 180	5,50	120 x 60 x 250	0,445
03 902 868	4103810421365	14	12	330 x 245 x 180	5,50	120 x 60 x 270	0,445
03 902 869	4103810427008	14	12	330 x 245 x 180	5,50	120 x 60 x 270	0,445
03 903	4103810039034	13	12	330 x 245 x 180	6,15	125 x 70 x 320	0,503
03 903 867	4103810421372	13	12	330 x 245 x 180	6,15	125 x 70 x 270	0,503
03 903 868	4103810421389	14	12	330 x 245 x 180	6,15	125 x 70 x 280	0,503
03 903 869	4103810427015	14	12	330 x 245 x 180	6,15	125 x 70 x 320	0,503
03 905	4103810039058	13	6	430 x 260 x 120	3,90	135 x 80 x 350	0,620
03 905 867	4103810421396	13	6	430 x 260 x 120	3,90	135 x 80 x 300	0,620
03 905 868	4103810421402	14	6	430 x 260 x 120	3,90	125 x 80 x 320	0,620
03 905 869	4103810427022	14	6	430 x 260 x 120	3,90	135 x 80 x 350	0,620
03 912	4103810039126	23	12	330 x 220 x 170	4,00	110 x 60 x 265	0,320
04 111	4103810041112	18	12	280 x 220 x 135	1,60	90 x 50 x 215	0,120
04 802	4103810048029	15	12	330 x 245 x 180	3,30	120 x 60 x 270	0,260
04 802 430	4103810428005	15	12	330 x 245 x 180	3,30	120 x 60 x 270	0,260
04 803	4103810048036	15	12	330 x 245 x 180	3,50	125 x 70 x 320	0,275
04 803 430	4103810428012	15	12	330 x 245 x 180	3,50	125 x 70 x 320	0,275
04 805	4103810048050	15	6	430 x 260 x 120	2,00	135 x 80 x 350	0,300
04 805 430	4103810428029	15	6	430 x 260 x 120	2,00	135 x 80 x 350	0,300
04 902	4103810049026	16	12	330 x 245 x 180	3,30	120 x 60 x 270	0,260
04 902 430	4103810428036	16	12	330 x 245 x 180	3,30	120 x 60 x 270	0,260
04 902 867	4103810421419	17	12	330 x 245 x 180	3,30	120 x 60 x 250	0,260
04 902 868	4103810421426	17	12	330 x 245 x 180	3,30	120 x 60 x 270	0,260
04 902 869	4103810427039	18	12	330 x 245 x 180	3,30	120 x 60 x 300	0,260
04 903	4103810049033	16	12	330 x 245 x 180	3,50	125 x 70 x 320	0,275
04 903 430	4103810428043	16	12	330 x 245 x 180	3,50	125 x 70 x 320	0,275
04 903 867	4103810421433	17	12	330 x 245 x 180	3,50	125 x 70 x 270	0,275
04 903 868	4103810421440	17	12	330 x 245 x 180	3,50	125 x 70 x 280	0,275
04 903 869	4103810427046	18	12	330 x 245 x 180	3,50	125 x 70 x 320	0,275
04 905	4103810049057	16	6	430 x 260 x 120	2,00	135 x 80 x 350	0,300
04 905 430	4103810428050	16	6	430 x 260 x 120	2,00	135 x 80 x 350	0,300
04 905 867	4103810421457	17	6	430 x 260 x 120	2,00	135 x 80 x 300	0,300
04 905 868	4103810421464	17	6	430 x 260 x 120	2,00	135 x 80 x 320	0,300
04 905 869	4103810427053	18	6	430 x 260 x 120	2,00	125 x 80 x 350	0,300
05 069	-	23	-	-	-	Ø 11 x 115	0,014
05 070	-	23	-	-	-	Ø 15 x 135	0,012
05 111	4103810051111	19	24	330 x 220 x 170	3,10	90 x 50 x 110	0,120
05 111 950	4103810051111	21	24	330 x 220 x 170	3,40	90 x 50 x 110	0,130
05 112	4103810051128	19	24	330 x 270 x 210	3,60	90 x 50 x 130	0,140
05 112 950	4103810051128	21	24	330 x 270 x 210	3,70	90 x 50 x 130	0,150
05 113	4103810051135	19	12	330 x 245 x 180	2,64	135 x 70 x 110	0,210
05 114	4103810051142	20	12	330 x 270 x 210	2,95	145 x 85 x 120	0,225
05 115	4103810051159	20	12	330 x 270 x 210	3,17	145 x 85 x 150	0,250
05 118	4103810051180	19	12	330 x 270 x 210	1,90	130 x 75 x 135	0,140

Article Numbers/Dimensions/Weights

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
05 119	4103810051197	19	12	330 x 270 x 210	2,20	140 x 80 x 150	0,160
05 121	4103810051210	20	24	330 x 220 x 170	3,30	90 x 50 x 110	0,120
05 122	4103810051227	20	24	330 x 270 x 210	3,90	90 x 50 x 130	0,140
05 133	4103810051333	20	12	330 x 245 x 180	2,62	135 x 70 x 110	0,210
05 133 950	4103810051333	21	12	330 x 245 x 180	2,77	135 x 70 x 110	0,220
05 134	4103810051340	21	12	330 x 270 x 210	3,01	145 x 85 x 120	0,225
05 135	4103810051357	21	12	330 x 270 x 210	3,30	145 x 85 x 150	0,250
05 135 950	4103810051357	21	12	330 x 270 x 210	3,36	145 x 85 x 150	0,260
05 138	4103810051388	19	12	330 x 270 x 210	1,95	130 x 75 x 135	0,140
05 139	4103810051395	19	12	330 x 270 x 210	2,20	140 x 80 x 150	0,160
05 223	4103810052231	22	12	330 x 245 x 180	3,02	135 x 70 x 110	0,240
05 224	4103810052248	22	12	330 x 270 x 210	3,32	145 x 85 x 120	0,260
05 224 001	4103810052200	22	12	330 x 270 x 210	3,20	145 x 85 x 120	0,250
05 225	4103810052255	22	12	330 x 270 x 210	3,70	145 x 85 x 150	0,260
05 226	4103810052262	22	6	330 x 270 x 210	2,17	150 x 100 x 200	0,330
06 061	4103810060618	24	10	150 x 100 x 60	0,11	50 x 18 x 115	0,010
06 062	-	24	10	130 x 130 x 50	0,13	50 x 24 x 120	0,012
06 064	4103810060649	24	20	280 x 210 x 140	0,63	Ø 45 x 175	0,020
06 065	4103810060656	24	20	330 x 220 x 170	0,90	Ø 60 x 200	0,035
06 066	4103810060663	24	10	330 x 220 x 170	0,70	Ø 70 x 245	0,045
06 068	4103810060687	24	10	150 x 150 x 50	0,132	50 x 27 x 120	0,012
06 100	-	30	-	-	-	300 x 120 x 35	0,047
06 101	-	30	-	-	-	300 x 120 x 35	0,047
06 122	-	24	-	-	-	65 x 27 x 160	0,022
06 142	-	31	-	-	-	65 x 27 x 145	0,025
06 154	-	31	-	-	-	80 x 32 x 163	0,037
06 178	4103810061783	32	12	480 x 350 x 310	5,40	220 x 125 x 285	0,340
06 266	4103810062667	28	12	340 x 310 x 210	1,56	Ø 100 x 280	0,110
06 266 820	4103810428067	28	12	340 x 310 x 210	1,56	Ø 100 x 280	0,110
06 267	4103810062674	31	12	340 x 310 x 210	1,60	Ø 100 x 290	0,120
06 267 820	4103810428074	31	12	340 x 310 x 210	1,60	Ø 100 x 290	0,120
06 267 956	4103810427503	31	12	340 x 310 x 210	1,60	Ø 100 x 290	0,120
06 766	4103810067662	28	10	320 x 220 x 170	0,70	Ø 70 x 310	0,050
06 863	4103810068638	24	20	165 x 155 x 90	0,56	40 x 20 x 130	0,022
06 864	4103810068645	24	20	280 x 210 x 140	0,96	Ø 45 x 160	0,040
06 865	4103810068652	24	20	330 x 220 x 170	1,23	Ø 60 x 185	0,050
06 866	4103810068669	24	10	320 x 220 x 170	0,83	Ø 70 x 230	0,065
06 902	4103810069024	32	-	-	-	260 x 125 x 300	0,420
06 903	4103810069031	34	-	-	-	260 x 125 x 300	0,420
06 905	4103810069055	32	1	200 x 200 x 520	2,12	-	-
06 906	4103810069062	34	1	200 x 200 x 520	2,12	-	-
06 910	4103810069109	32	1	220 x 220 x 570	2,50	-	-
06 931	4103810069314	33	-	-	-	100 x 70 x 5	0,008
06 932	-	33	-	-	-	110 x 26 x 26	0,014
06 933	-	33	-	-	-	300 x 255 x 65	0,207
06 934	-	33	-	-	-	145 x 93 x 30	0,027
06 935	-	33	-	-	-	195 x 120 x 15	0,048
06 936	-	33	-	-	-	390 x 130 x 70	0,361
06 937	-	33	-	-	-	48 x 32 x 32	0,019
06 938	-	33	-	-	-	87 x 105 x 30,5	0,019
06 939	-	33	-	-	-	615 x 60 x 29	0,140
06 951	-	34	-	-	-	115 x 95 x 6	0,008
06 952	-	34	-	-	-	110 x 26 x 26	0,014
06 953	-	34	-	-	-	300 x 255 x 65	0,207

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
06 954	-	34	-	-	-	145 x 93 x 30	0,027
06 956	-	35	-	-	-	390 x 130 x 70	0,361
06 957	-	35	-	-	-	48 x 32 x 32	0,019
06 958	-	35	-	-	-	87 x 105 x 30,5	0,019
06 959	-	35	-	-	-	615 x 60 x 29	0,140
06 964	4103810069642	25	20	280 x 220 x 140	0,65	Ø 45 x 140	0,020
06 965	4103810069659	25	20	330 x 220 x 170	0,75	Ø 60 x 165	0,035
06 966	4103810069666	25	10	330 x 220 x 170	0,95	Ø 70 x 210	0,045
07 060	4103810070600	48	12	320 x 110 x 90	0,48	111 x 75 x 120	0,030
07 061	4103810070617	48	12	400 x 120 x 140	0,93	145 x 100 x 135	0,060
07 061 390	4183014420160	48	12	400 x 120 x 110	0,93	145 x 100 x 135	0,060
07 062	4103810070624	48	6	300 x 160 x 140	0,90	180 x 125 x 170	0,110
07 063	4103810070631	48	6	370 x 180 x 160	1,50	210 x 150 x 215	0,187
07 064	4103810070648	49	6	400 x 210 x 180	1,90	235 x 170 x 240	0,250
07 065	4103810070655	49	6	440 x 220 x 250	2,80	290 x 215 x 270	0,400
07 071	4103810070716	49	1	210 x 150 x 245	0,37	210 x 150 x 245	0,370
07 160	-	50	12	220 x 155 x 130	0,36	Ø 50 x 170	0,022
07 161	-	50	12	270 x 200 x 110	0,58	Ø 60 x 200	0,037
07 162	-	50	12	370 x 180 x 170	0,89	Ø 70 x 255	0,060
07 163	-	50	6	370 x 180 x 170	0,81	Ø 90 x 310	0,106
07 164	-	50	6	360 x 320 x 18	1,50	Ø 100 x 345	0,200
07 165	-	50	6	460 x 300 x 200	2,20	Ø 120 x 415	0,310
07 341	4103810073410	53	10	438 x 240 x 200	2,00	170 x 70 x 230	0,180
07 341 831	4103810073410	54	10	435 x 240 x 200	2,00	170 x 70 x 230	0,180
07 342	4103810073427	53	10	500 x 280 x 240	2,80	190 x 90 x 270	0,240
07 342 831	4103810073427	54	10	500 x 280 x 240	2,80	190 x 90 x 270	0,240
07 343	4103810073434	53	5	350 x 350 x 260	2,14	210 x 115 x 320	0,350
07 343 831	4103810073434	54	5	350 x 350 x 260	2,14	210 x 115 x 320	0,350
07 500	4103810075001	51	-	-	-	160 x 70 x 190	0,063
07 501	4103810075018	51	-	-	-	190 x 85 x 230	0,100
07 502	4103810075025	51	-	-	-	230 x 105 x 290	0,180
07 503	4103810075032	51	-	-	-	265 x 130 x 335	0,220
07 505	4103810075056	51	-	-	-	300 x 135 x 380	0,360
07 600	4103810076008	52	-	-	-	160 x 70 x 190	0,078
07 601	4103810076015	52	-	-	-	190 x 85 x 230	0,117
07 602	4103810076022	52	-	-	-	230 x 105 x 290	0,190
07 603	4103810076039	52	-	-	-	265 x 130 x 335	0,260
07 605	4103810076053	52	-	-	-	300 x 135 x 380	0,400
07 642	4103810076428	54	6	350 x 350 x 260	2,40	320 x 90 x 370	0,330
07 643	4103810076435	54	6	500 x 280 x 240	3,20	330 x 115 x 410	0,460
07 805	-	55	-	-	-	300 x 170 x 400	0,650
07 810	-	55	-	-	-	390 x 220 x 475	1,000
08 041	4103810080418	58	5	500 x 300 x 340	3,40	300 x 170 x 225	0,580
08 042	4103810080425	58	2	350 x 350 x 260	1,80	300 x 170 x 310	0,700
08 043	4103810080432	58	2	500 x 370 x 260	2,60	350 x 230 x 350	1,100
08 052	4103810080524	58	2	350 x 350 x 260	1,95	300 x 170 x 310	0,760
08 053	4103810080531	58	2	500 x 370 x 260	2,75	350 x 230 x 350	1,130
08 054	4103810080548	58	-	-	-	350 x 230 x 500	1,400
08 062	-	55	-	-	-	390 x 190 x 435	1,800
08 062 831	-	56	-	-	-	330 x 190 x 435	1,800
08 063	-	55	-	-	-	360 x 240 x 520	2,550
08 063 831	-	56	-	-	-	360 x 240 x 520	2,550
08 069	-	55	-	-	-	470 x 300 x 630	3,850
08 069 831	-	56	-	-	-	470 x 300 x 630	3,850

Article Numbers/Dimensions/Weights

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
09 002	4103810090028	65	-	-	-	150 x 120 x 200	2,200
09 003	4103810090035	65	-	-	-	150 x 120 x 200	2,200
09 004	4103810090042	64	-	-	-	150 x 120 x 200	2,200
09 005	4103810090059	64	-	-	-	180 x 150 x 240	4,450
09 080	4103810090806	64	10	170 x 170 x 170	2,05	80 x 34 x 165	0,200
09 081	4103810090813	65	10	170 x 170 x 170	2,05	80 x 34 x 165	0,200
09 082	4103810090820	65	10	170 x 170 x 170	2,02	80 x 34 x 120	0,200
09 096	4103810090967	64	12	235 x 180 x 180	3,07	Ø 50 x 170	0,240
09 096 924	4103810420962	64	12	235 x 180 x 180	3,07	Ø 50 x 170	0,240
09 096 936	4103810420979	64	12	235 x 180 x 180	3,07	Ø 50 x 120	0,240
09 102	4103810091025	66	12	285 x 220 x 215	5,55	Ø 65 x 200	0,430
09 104	4103810091049	66	12	285 x 220 x 215	4,72	Ø 65 x 200	0,380
09 106	4103810091063	67	12	235 x 180 x 180	3,08	Ø 50 x 170	0,230
09 108	4103810091087	67	12	285 x 220 x 215	4,85	Ø 65 x 200	0,390
09 110	4103810091100	67	12	285 x 220 x 215	4,45	Ø 65 x 200	0,350
09 112	4103810091124	68	12	235 x 180 x 180	2,62	Ø 50 x 170	0,200
09 114	4103810091148	68	12	285 x 220 x 215	4,75	Ø 65 x 200	0,380
09 116	4103810091162	68	12	285 x 220 x 215	4,75	Ø 65 x 200	0,380
09 118	4103810091186	69	12	235 x 180 x 180	2,75	Ø 50 x 170	0,210
09 120	4103810091209	69	12	285 x 220 x 215	5,50	Ø 65 x 200	0,450
09 122	4103810091223	69	12	285 x 220 x 215	6,05	Ø 65 x 200	0,480
09 124	4103810091247	70	12	285 x 220 x 215	4,75	Ø 65 x 200	0,380
09 126	4103810091261	70	12	285 x 220 x 350	5,60	Ø 65 x 335	0,480
09 128	4103810091285	70	12	285 x 220 x 215	5,40	Ø 65 x 200	0,420
09 540	4103810095405	71	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
09 901	4103810099014	64	-	-	-	Ø 100 x 125	0,700
09 903	4103810099038	65	-	-	-	Ø 100 x 215	0,700
09 905	4103810099052	65	-	-	-	Ø 100 x 215	0,700
09 907	4103810099076	66	-	-	-	Ø 100 x 215	0,700
09 909	4103810099090	66	-	-	-	Ø 100 x 215	0,700
10 062	4103810100628	77	25	290 x 150 x 130	1,70	50 x 25 x 120	0,050
10 070	4103810100703	77	10	170 x 170 x 170	2,05	80 x 34 x 175	0,200
10 097	4103810100970	77	10	150 x 150 x 200	1,18	70 x 25 x 160	0,100
10 098	4103810100987	77	10	165 x 150 x 90	0,82	60 x 25 x 155	0,075
10 099	4103810100994	77	10	165 x 150 x 90	0,82	70 x 25 x 160	0,075
10 164	-	78	1	290 x 150 x 130	1,46	-	-
10 167	-	78	1	290 x 150 x 130	1,70	-	-
10 189	-	78	1	290 x 150 x 130	0,90	-	-
10 550	4103810105500	76	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
10 551	4103810105517	76	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
10 552	4103810105524	76	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
10 560	4103810105609	71	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
10 562	4103810105623	72	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
10 564	4103810105647	72	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
10 565	4103810105654	72	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
10 566	4103810105661	72	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
10 571	4103810105715	73	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
10 573	4103810105739	73	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
10 574	4103810105746	73	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
10 588	4103810105883	74	10	150 x 150 x 200	0,90	70 x 25 x 190	0,080
10 589	4103810105890	74	10	150 x 150 x 200	0,90	70 x 25 x 190	0,080
10 593	4103810105937	75	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
10 595	4103810105951	75	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
10 596	4103810105968	75	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
10 597	4103810105975	75	10	150 x 150 x 200	1,18	70 x 25 x 190	0,100
10 830	4103810108303	79	10	330 x 215 x 170	2,95	230 x 25 x 250	0,275
11 600	4103810116001	79	-	-	-	180 x 145 x 30	0,072
11 601	4103810116018	79	-	-	-	180 x 145 x 30	0,072
11 602	4103810116025	79	-	-	-	180 x 145 x 30	0,072
11 603	4103810116032	80	-	-	-	180 x 145 x 30	0,072
11 604	4103810116049	80	-	-	-	180 x 145 x 30	0,072
11 605	4103810116056	80	-	-	-	180 x 145 x 30	0,072
11 606	4103810116063	80	-	-	-	180 x 145 x 30	0,072
11 607	4103810116070	80	1	200 x 180 x 70	1,80	Ø 30 X 180	0,130
12 001	-	140	-	-	-	29 x21 x 16	0,028
12 001 125	-	140	-	-	-	44 x 21 x 16	0,071
12 002	-	143	-	-	-	Ø 12 x 8	0,003
12 003	-	143	-	-	-	Ø 12 x 14	0,003
12 004	-	140	-	-	-	32 x 20 x 23	0,040
12 004 950	-	140	-	-	-	30 x 22 x 20	0,032
12 006	-	141	-	-	-	Ø 18 x 31	0,034
12 006 125	-	141	-	-	-	Ø 18 x 31	0,034
12 011	-	141	-	-	-	30 x 30 x 35	0,160
12 011 125	-	141	-	-	-	45 x 30 x 35	0,170
12 013	-	141	-	-	-	Ø 20 x 41	0,050
12 016	-	158	-	-	-	Ø 15x23	0,012
12 023	-	141	-	-	-	Ø 20x41	0,050
12 035	-	158	-	-	-	29 x 15x 15	0,032
12 035 805	-	158	-	-	-	29 x 15 x 15	0,032
12 042	-	142	-	-	-	Ø 18 x 184	0,072
12 043	-	142	-	-	-	Ø 18 x 188	0,160
12 044	-	142	-	-	-	202 x 23 x 20	0,160
12 048	-	143	-	-	-	Ø 18 x 360	0,132
12 049	-	143	-	-	-	Ø 18 x 560	0,128
12 052	-	141	-	-	-	32 x 20 x 26	0,050
12 053	-	141	-	-	-	46 x 20 x 26	0,060
12 054	-	142	-	-	-	203 x 35 x 30	0,226
12 055	-	142	-	-	-	205 x 20 x 26	0,117
12 056	-	143	-	-	-	Ø 18 x 210	0,095
12 057	-	142	-	-	-	210 x 30 x 60	0,226
12 071	-	146	-	-	-	Ø 12 x 14	0,060
12 072	-	143	-	-	-	Ø 12 x 8	0,003
12 073	-	143	-	-	-	Ø 12 x 14	0,003
12 074	-	140	-	-	-	32 x 20 x 23	0,040
12 074 950	-	140	-	-	-	35 x 25 x 17	0,032
12 086	-	158	-	-	-	Ø 15 x 23	0,012
12 090	-	159	-	-	-	Ø 65,3 x 230	0,770
12 091	-	95	-	-	-	Ø 53,6 x 31,5	0,140
12 094	-	95	-	-	-	Ø 52,2 x 13,4	0,030
12 110	4103810121104	157	10	400 x 140 x 75	1,24	410 x 70 x 16	0,110
12 111	4103810121111	157	10	400 x 140 x 75	1,24	410 x 70 x 16	0,110
12 112	4103810121128	168	10	270 x 170 x 120	1,50	300 x 40 x 90	0,140
12 150	4103810121500	144	5	160 x 100 x 65	0,16	150 x 70 x 13	0,030
12 151	4103810121517	144	5	160 x 100 x 65	0,16	150 x 70 x 13	0,030
12 152	4103810121524	145	5	160 x 100 x 65	0,17	150 x 70 x 15	0,036
12 153	4103810121531	145	5	160 x 100 x 65	0,17	150 x 70 x 15	0,036
12 154	4103810121548	146	5	160 x 100 x 65	0,17	150 x 70 x 15	0,036
12 156	4103810121562	145	5	160 x 100 x 65	0,17	150 x 70 x 15	0,036

Article Numbers/Dimensions/Weights

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
12 157	4103810121579	145	5	160 x 100 x 65	0,17	150 x 70 x 15	0,036
12 226	-	129	1	285 x 120 x 55	0,65	-	-
12 250	4103810122507	127	1	400 x 140 x 75	1,30	-	-
12 250 950	4103810423246	127	1	400 x 140 x 75	1,40	-	-
12 254	4103810122545	127	1	400 x 140 x 75	1,40	-	-
12 270	-	127	1	400 x 140 x 75	1,30	-	-
12 274	-	127	1	400 x 140 x 75	1,40	-	-
12 276	4103810122767	129	1	285 x 120 x 55	0,65	-	-
12 282	4103810122828	93	1	530 x 170 x 75	1,70	-	-
12 282 125	4103810429033	93	1	530 x 170 x 75	1,70	-	-
12 321	-	168	-	-	-	Ø 40 x 210	0,070
12 322	-	168	-	-	-	Ø 50 x 210	0,090
12 331	-	168	-	-	-	Ø 40 x 210	0,070
12 332	-	168	-	-	-	Ø 50 x 210	0,090
12 362	4103810123627	169	1	155 x 45 x 45	0,32	-	-
12 363	4103810123634	169	1	220 x 45 x 45	0,47	-	-
12 365	4103810123658	169	1	265 x 55 x 55	0,67	-	-
12 435	-	146	-	-	-	Ø 10 x 150	0,032
12 475	-	146	-	-	-	Ø 10 x 150	0,032
12 501	4103810125010	164	-	-	-	Ø 100 x 185	1,160
12 505 785	-	164	25	340 x 230 x 300	13,60	Ø 52 x 290	0,530
12 507	4103810125072	164	20	285 x 250 x 230	9,20	Ø 52 x 240	0,430
12 511	4103810125065	164	20	285 x 250 x 230	9,20	Ø 52 x 240	0,430
12 516	4103810125164	164	20	285 x 250 x 230	9,20	Ø 52 x 240	0,430
12 517	4103810125171	165	20	285 x 250 x 230	9,20	Ø 52 x 240	0,430
12 518	4103810125188	165	20	285 x 250 x 230	9,20	Ø 52 x 240	0,430
12 538	4103810125386	113	10	400 x 360 x 145	14,70	380 x 125 x 70	1,400
12 538 125	4103810420368	113	10	400 x 360 x 145	14,70	380 x 125 x 70	1,400
12 602	4103810126024	134	10	400 x 360 x 145	12,70	340 x 125 x 70	1,200
12 602 125	4103810429941	131	10	400 x 360 x 145	12,70	340 x 125 x 70	1,200
12 614	4103810126147	101	1	400 x 140 x 75	1,48	-	-
12 616	4103810126161	101	1	400 x 140 x 75	2,14	-	-
12 626	-	144	100	160 x 100 x 65	3,16	Ø 13 x 42	0,025
12 630	4103810126307	116	10	400 x 360 x 145	13,20	380 x 125 x 70	1,250
12 630 125	4103810127304	116	10	400 x 360 x 145	13,20	380 x 125 x 70	1,250
12 630 950	4103810421303	116	10	400 x 360 x 145	13,20	380 x 125 x 70	1,250
12 631	-	145	100	160 x 100 x 65	3,16	Ø 15 x 36	0,030
12 632	4103810126321	116	10	400 x 360 x 145	13,20	380 x 125 x 70	1,250
12 632 125	4103810127328	116	10	400 x 360 x 145	13,20	380 x 125 x 70	1,250
12 632 950	4103810427077	117	10	400 x 360 x 145	13,20	380 x 125 x 70	1,250
12 633	4103810126338	119	1	400 x 140 x 75	1,35	-	-
12 633 125	4103810126338	119	1	400 x 140 x 75	1,35	-	-
12 633 950	4103810126338	119	1	400 x 140 x 75	1,35	-	-
12 634	4103810126345	120	1	400 x 140 x 75	1,35	-	-
12 634 125	4103810126345	120	1	400 x 140 x 75	1,35	-	-
12 634 950	4103810421327	120	1	400 x 140 x 75	1,35	-	-
12 635	-	147	-	-	-	Ø 10 x 150	0,032
12 635 810	-	147	-	-	-	Ø 15 x 180	0,063
12 635 814	-	147	-	-	-	Ø 12 x 155	0,036
12 635 816	-	148	-	-	-	Ø 12 x 166	0,037
12 636	4103810126369	101	1	400 x 140 x 75	1,34	-	-
12 636 100	4103810129803	102	1	400 x 140 x 75	1,40	-	-
12 636 101	4103810129810	102	1	400 x 140 x 75	1,45	-	-
12 636 102	4103810129827	102	1	400 x 140 x 75	1,40	-	-

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
12 636 103	4103810129834	102	1	400 x 140 x 75	1,45	-	-
12 636 125	4103810126369	101	1	400 x 140 x 75	1,34	-	-
12 637	4103810126376	99	1	400 x 140 x 75	1,34	-	-
12 637 101	4103810423239	99	1	400 x 140 x 75	1,43	-	-
12 637 125	4103810126376	99	1	400 x 140 x 75	1,34	-	-
12 638	4103810126383	115	10	400 x 360 x 145	12,60	380 x 125 x 70	1,200
12 638 125	4103810427091	115	10	400 x 360 x 145	12,60	380 x 125 x 70	1,200
12 638 776	4103810423215	125	1	400 x 140 x 75	1,35	-	-
12 638 778	4103810423222	111	1	400 x 140 x 75	1,60	-	-
12 638 780	-	107	-	-	-	380 x 125 x 70	1,450
12 638 782	-	123	-	-	-	380 x 125 x 70	1,200
12 638 790	-	111	1	400 x 140 x 75	1,55	-	-
12 638 792	4103810429590	125	1	400 x 140 x 75	1,34	-	-
12 638 793	4103810429385	111	1	400 x 140 x 75	1,60	-	-
12 638 794	4103810429514	111	1	400 x 140 x 75	1,64	-	-
12 638 796	4103810429392	125	1	400 x 140 x 75	1,35	-	-
12 638 797	4103810423260	125	1	400 x 140 x 75	1,40	-	-
12 642	-	146	100	160 x 100 x 65	3,70	Ø 15 x 36	0,038
12 643	-	144	100	160 x 100 x 65	3,16	Ø 15 x 36	0,030
12 655	-	149	-	-	-	Ø 15 x 300	0,066
12 655 810	-	151	-	-	-	Ø 15 x 330	0,100
12 655 809	-	151	-	-	-	Ø 15 x 330	0,100
12 655 818	-	151	-	-	-	325 x 20 x 23	0,110
12 655 819	-	152	-	-	-	325 x 30 x 35	0,230
12 656	-	148	-	-	-	Ø 11 x 300	0,033
12 656 809	-	150	-	-	-	Ø 15 x 330	0,064
12 656 810	-	150	-	-	-	Ø 15 x 330	0,064
12 665	-	149	-	-	-	Ø 15 x 500	0,082
12 665 809	-	153	-	-	-	Ø 15 x 530	0,150
12 665 810	-	152	-	-	-	Ø 15 x 530	0,150
12 665 818	-	153	-	-	-	520 x 20 x 23	0,130
12 665 819	-	154	-	-	-	520 x 20 x 35	0,240
12 666	-	149	-	-	-	Ø 11 x 500	0,042
12 666 810	-	150	-	-	-	Ø 11 x 530	0,073
12 669	-	159	-	-	-	Ø 13 x 27	0,017
12 670	-	159	-	-	-	Ø 11 x 20	0,006
12 672	-	159	-	-	-	Ø 11 x 20	0,007
12 675	4103810126758	105	1	400 x 140 x 75	1,64	-	-
12 675 125	4103810429330	105	1	400 x 140 x 75	1,64	-	-
12 676	4103810126765	97	1	400 x 170 x 75	1,67	-	-
12 676 040	4103810427749	97	1	400 x 170 x 75	18,00	-	-
12 678	4103810126789	97	1	530 x 170 x 75	2,05	-	-
12 679	4103810126796	105	1	400 x 140 x 75	1,68	-	-
12 684 780	-	107	1	-	-	310 x 125 x 70	1,300
12 684 782	-	123	1	-	-	310 x 125 x 70	1,100
12 684 790	4103810429606	111	1	400 x 140 x 75	1,40	-	-
12 684 792	4103810429613	125	1	400 x 140 x 75	1,20	-	-
12 685 780	-	108	1	-	-	510 x 125 x 70	1,840
12 685 782	-	123	1	-	-	510 x 125 x 70	1,500
12 685 783	-	108	1	510 x 125 x 70	1,94	-	-
12 685 790	4103810429620	108	1	510 x 125 x 70	1,84	-	-
12 685 792	4103810429637	123	1	510 x 125 x 70	1,50	-	-
12 686 780	-	109	1	-	-	600 x 125 x 70	2,100
12 686 782	-	123	1	-	-	600 x 125 x 70	1,650

Article Numbers/Dimensions/Weights

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
12 686 790	-	109	1	600 x 125 x 70	2,10	-	-
12 686 792	4103810429651	123	1	600 x 125 x 70	1,65	-	-
12 688	-	133	1	-	-	540 x 125 x 70	1,200
12 695	4103810126956	105	1	400 x 140 x 75	1,60	-	-
12 698	4103810126987	105	1	400 x 140 x 75	1,73	-	-
12 698 125	4103810429880	105	1	400 x 140 x 75	1,73	-	-
12 699	-	160	-	-	-	66 x 40 x 50	0,114
12 726	-	144	100	160 x 100 x 65	3,16	Ø 13 x 42	0,025
12 731	-	145	100	160 x 100 x 65	3,16	Ø 15 x 36	0,030
12 733 804	4103810427206	119	1	400 x 140 x 75	1,35	-	-
12 734 804	4103810427213	121	1	400 x 140 x 75	1,35	-	-
12 735	-	147	-	-	-	Ø 10 x 150	0,032
12 735 810	-	147	-	-	-	Ø 15 x 180	0,063
12 735 814	-	148	-	-	-	Ø 12 x 155	0,036
12 735 816	-	148	-	-	-	Ø 12 x 155	0,037
12 736 128	4103810126369	103	1	400 x 140 x 75	1,55	-	-
12 743	-	144	100	160 x 100 x 65	3,16	Ø 15 x 36	0,030
12 751	-	149	-	-	-	Ø 15 x 230	0,060
12 751 123	-	149	-	-	-	Ø 15 x 230	0,060
12 752	4103810127526	155	10	400 x 140 x 75	0,80	380 x 50 x 16	0,070
12 753	-	148	-	-	-	Ø 11 x 230	0,023
12 753 123	-	148	-	-	-	Ø 11 x 230	0,023
12 755	-	149	-	-	-	Ø 15 x 300	0,066
12 755 809	-	151	-	-	-	Ø 15 x 300	0,100
12 755 810	-	151	-	-	-	Ø 15 x 330	0,100
12 755 818	-	152	-	-	-	325 x 20 x 23	0,110
12 755 819	-	152	-	-	-	335 x 30 x 35	0,240
12 756	-	148	-	-	-	Ø 11 x 300	0,033
12 756 810	-	150	-	-	-	Ø 15 x 330	0,064
12 757	4103810127571	155	10	400 x 140 x 75	0,52	380 x 50 x 9	0,040
12 758	4103810127588	156	10	400 x 140 x 75	0,80	380 x 50 x 9	0,070
12 759	4103810127595	155	10	580 x 85 x 100	0,61	570 x 50 x 9	0,050
12 760	4103810127601	157	10	400 x 140 x 75	1,20	380 x 50 x 16	0,105
12 761	4103810127618	156	10	580 x 85 x 100	1,08	570 x 50 x 16	0,090
12 765	-	149	-	-	-	Ø 15 x 500	0,082
12 765 809	-	153	-	-	-	Ø 15 x 530	0,150
12 765 810	-	153	-	-	-	Ø 15 x 530	0,150
12 765 818	-	154	-	-	-	520 x 20 x 23	0,130
12 765 819	-	154	-	-	-	530 x 20 x 35	0,250
12 766	-	149	-	-	-	Ø 11 x 500	0,042
12 766 810	-	150	-	-	-	Ø 11 x 530	0,073
12 824	4103810128240	91	1	530 x 170 x 75	1,60	-	-
12 824 125	4103810429040	91	1	530 x 120 x 75	1,60	-	-
12 826	4103810128264	91	1	530 x 120 x 75	1,80	-	-
12 826 125	4103810429057	91	1	530 x 120 x 75	1,80	-	-
12 836	4103810128363	101	1	400 x 140 x 75	1,34	-	-
12 836 125	4103810429132	101	1	400 x 140 x 75	1,34	-	-
12 838	4103810128387	115	1	380 x 125 x 70	1,20	-	-
12 838 125	4103810429149	115	1	380 x 125 x 70	1,20	-	-
12 839	4103810128394	105	1	400 x 140 x 75	1,60	-	-
12 852	4103810128523	155	10	400 x 140 x 75	0,48	380 x 50 x 9	0,036
12 855	4103810128554	155	10	400 x 140 x 75	0,84	380 x 50 x 16	0,075
12 857	4103810128578	155	10	400 x 140 x 75	0,52	380 x 50 x 9	0,040
12 858	4103810128585	156	10	400 x 140 x 75	0,80	380 x 50 x 9	0,070

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
12 859	4103810128592	155	10	580 x 85 x 100	0,61	570 x 50 x 9	0,050
12 860	4103810128608	157	10	400 x 140 x 75	1,20	380 x 50 x 16	0,105
12 861	4103810128615	156	10	580 x 85 x 100	1,08	570 x 50 x 16	0,090
12 875	4103810128752	156	10	400 x 140 x 75	0,84	380 x 50 x 16	0,075
12 902	4103810129025	172	1	365 x 80 x 80	0,75	-	-
12 907	4103810129070	172	1	365 x 80 x 80	0,90	-	-
12 908	4103810129087	172	1	Ø 60 x 480	1,09	-	-
12 910	4103810129100	172	1	365 x 80 x 80	0,90	-	-
12 931	4103810129315	171	1	590 x 90 x 100	1,14	-	-
12 932	4103810129322	171	1	590 x 90 x 100	1,32	-	-
12 935	4103810129353	173	1	Ø 55 x 340	0,61	-	-
12 936	4103810129360	173	1	460 x 60 x 95	1,10	-	-
12 937	4103810129377	173	1	330 x 120 x 70	0,70	-	-
12 938	4103810129384	173	1	540 x 120 x 70	0,90	-	-
12 940	4103810129407	173	1	390 x 100 x 65	0,826	-	-
12 942	-	174	-	-	-	Ø 10 x 220	0,046
12 944	-	174	-	-	-	Ø 13 x 270	0,118
12 951	-	174	-	-	-	Ø 10 x 350	0,036
12 954	-	174	-	-	-	Ø 13 x 470	0,053
12 955	-	174	1	90 x 70 x 40	0,09	-	-
13 005	4103810130052	222	1	820 x 155 x 115	2,10	-	-
13 009	4103810130090	222	1	625 x 100 x 75	0,80	-	-
13 009 950	4103810420573	223	1	760 x 135 x 90	0,58	-	-
13 009 954	4103810429156	222	1	625 x 100 x 75	0,80	-	-
13 009 956	4103810429163	222	1	625 x 100 x 75	0,80	-	-
13 010	4103810130106	223	1	1100 x 85 x 85	1,60	-	-
13 012	4103810130120	224	1	800 x 90 x 90	1,90	-	-
13 012 952	4103810459170	224	1	800 x 90 x 90	2,60	-	-
13 012 954	4103810421020	224	1	800 x 90 x 90	1,80	-	-
13 013	-	225	1	590 x 100 x 100	2,30	-	-
13 015	4103810130151	225	1	1100 x 85 x 85	1,80	-	-
13 016	4103810130168	225	1	1100 x 85 x 85	2,20	-	-
13 017	4103810130175	225	1	1100 x 85 x 85	2,10	-	-
13 020	4103810130205	226	1	590 x 100 x 90	1,10	-	-
13 028	4103810130281	226	1	590 x 100 x 90	1,15	-	-
13 030	4103810130304	226	1	590 x 100 x 90	1,40	-	-
13 040	4103810130403	227	1	820 x 155 x 115	2,70	-	-
13 041	4103810130410	227	1	820 x 155 x 115	3,10	-	-
13 042	4103810130427	227	1	820 x 155 x 115	2,80	-	-
13 049	4103810130496	228	1	820 x 155 x 115	3,40	-	-
13 055	4103810130557	232	5	1100 x 170 x 170	26,70	980 x 200 x 130	5,200
13 056	4103810130564	233	1	980 x 380 x 240	6,60	-	-
13 070	-	245	1	-	-	500 x 400 x 30	0,700
13 075	4103810130755	246	1	390 x 360 x 150	1,60	-	-
13 080	-	244	-	-	-	Ø 66 x 36	0,160
13 088	-	246	1	-	-	80 x 35 x 60	0,020
13 088 950	-	246	1	-	-	80 x 60 x 60	0,050
13 089	-	246	-	-	-	200 x 50 x 30	0,070
13 090	-	246	1	-	-	70 x 38 x 80	0,200
13 091	-	245	-	-	-	Ø 30 x 480	1,020
13 092	-	245	-	-	-	Ø 23 x 550	1,010
13 096	-	246	-	-	-	260 x 120 x 25	0,230
13 099	-	246	-	-	-	55 x 40 x 20	0,140
13 253	-	245	1	-	-	310 x 150 x 170	5,000

Article Numbers/Dimensions/Weights

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
13 253 950	-	236	1	-	-	1600 x 150 x 170	8,000
13 256	-	235	1	-	-	310 x 190 x 190	6,000
13 256 950	-	236	1	-	-	1600 x 190 x 190	10,000
13 259	-	235	1	-	-	380 x 200 x 200	8,000
13 259 950	-	236	1	-	-	1600 x 200 x 200	12,500
13 262	-	235	1	-	-	380 x 240 x 240	11,200
13 262 950	-	236	1	-	-	1700 x 240 x 240	12,500
13 268	-	235	1	-	-	600 x 300 x 300	15,500
13 268 950	-	237	1	-	-	1700 x 300 x 300	22,500
15 000	-	200	100	90 x 70 x 40	0,284	Ø 7 x 15	0,003
15 003	-	203	100	90 x 70 x 40	0,40	Ø 9 x 15	0,004
15 004	-	203	100	90 x 70 x 40	0,50	Ø 10 x 15	0,005
15 005	-	203	100	90 x 70 x 40	0,575	Ø 12 x 15	0,007
15 007	-	200	100	90 x 70 x 40	0,315	Ø 7 x 15	0,003
15 007 001	-	200	100	90 x 70 x 40	0,410	Ø 7 x 29	0,004
15 009	-	200	100	90 x 70 x 40	0,41	Ø 9 x 15	0,004
15 010	-	200	100	90 x 70 x 40	0,405	Ø 9 x 15	0,004
15 013	-	200	100	90 x 70 x 40	0,61	Ø 11 x 15	0,006
15 014	-	200	100	90 x 70 x 40	0,61	Ø 11 x 15	0,006
15 015	-	200	100	90 x 70 x 40	0,61	Ø 11 x 15	0,006
15 017 004	-	200	100	90 x 70 x 85	1,13	Ø 14 x 18	0,011
15 018 098	-	200	100	90 x 70 x 85	1,13	Ø 14 x 18	0,011
15 021 003	-	200	100	90 x 70 x 85	1,13	Ø 14 x 18	0,011
15 025	-	201	100	90 x 70 x 40	0,315	Ø 7 x 15	0,003
15 026	-	201	100	90 x 70 x 40	0,61	Ø 11 x 15	0,006
15 026 007	-	201	100	90 x 70 x 40	0,61	Ø 11 x 15	0,006
15 027 005	-	201	100	90 x 70 x 85	1,015	Ø 14 x 18	0,010
15 037	-	201	100	90 x 70 x 40	0,61	Ø 11 x 15	0,006
15 038	-	201	100	90 x 70 x 85	1,015	Ø 14 x 15	0,010
15 039 004	-	201	100	160 x 100 x 65	1,92	Ø 17 x 19	0,019
15 062	-	201	100	90 x 70 x 40	0,315	Ø 7 x 15	0,003
15 067	-	201	100	90 x 70 x 40	0,61	Ø 11 x 15	0,006
15 069	-	201	100	90 x 70 x 40	0,61	Ø 9 x 15	0,006
15 071	-	202	100	90 x 70 x 40	0,315	Ø 7 x 15	0,003
15 072	-	202	100	90 x 70 x 40	0,41	Ø 9 x 15	0,004
15 073	-	202	100	90 x 70 x 40	0,61	Ø 11 x 15	0,006
15 100	-	205	100	90 x 70 x 85	0,95	20 x 15 x 9	0,010
15 100 140	-	203	100	90 x 70 x 40	0,65	23 x 17 x 9	0,007
15 103	-	207	100	90 x 70 x 40	0,68	20 x 15 x 9	0,007
15 104	-	207	100	90 x 70 x 85	0,98	20 x 15 x 9	0,010
15 105	-	207	100	90 x 70 x 85	1,15	20 x 15 x 9	0,012
15 107	-	205	100	90 x 70 x 40	0,95	20 x 15 x 9	0,010
15 107 140	-	203	100	90 x 70 x 40	0,65	23 x 17 x 9	0,007
15 108 004	-	203	100	90 x 70 x 85	0,82	25 x 17 x 10	0,009
15 109	-	205	100	90 x 70 x 40	0,95	20 x 15 x 9	0,010
15 109 140	-	203	100	90 x 70 x 40	0,82	25 x 17 x 9	0,009
15 110	-	205	100	90 x 70 x 85	0,95	20 x 15 x 9	0,010
15 110 140	-	204	100	90 x 70 x 40	0,82	23 x 17 x 9	0,008
15 113	-	206	100	90 x 70 x 85	0,95	20 x 15 x 11	0,012
15 113 140	-	204	100	90 x 70 x 85	1,26	25 x 17 x 11	0,012
15 115	-	206	100	90 x 70 x 85	1,15	20 x 15 x 11	0,012
15 115 140	-	204	100	90 x 70 x 85	1,26	25 x 17 x 11	0,012
15 117 004	-	204	100	160 x 100 x 65	1,9	29 x 20 x 14	0,019
15 118	-	204	100	160 x 100 x 65	1,9	29 x 20 x 14	0,019

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
15 137	-	206	100	90 x 70 x 85	1,25	20 x 15 x 11	0,013
15 137 140	-	204	100	90 x 70 x 85	1,26	25 x 17 x 11	0,012
15 138	-	204	50	90 x 70 x 40	0,81	25 x 20 x 14	0,016
15 139 004	-	204	100	160 x 100 x 65	2,80	25 x 23 x 17	0,028
15 162	-	206	100	90 x 70 x 40	0,75	20 x 15 x 9	0,008
15 162 140	-	205	100	90 x 70 x 40	0,68	23 x 17 x 9	0,007
15 171 003	-	205	100	90 x 70 x 40	0,68	20 x 15 x 9	0,007
15 172	-	205	100	90 x 70 x 85	0,98	18 x 19 x 9	0,010
15 173	-	205	100	90 x 70 x 85	0,95	20 x 15 x 11	0,010
15 200	-	208	50	90 x 70 x 40	0,48	18 x 18 x 9	0,010
15 200 140	-	207	50	90 x 70 x 40	0,68	19 x 17 x 9	0,007
15 204	-	210	50	90 x 70 x 40	0,48	18 x 19 x 9	0,010
15 207	-	208	100	90 x 70 x 85	0,96	18 x 18 x 9	0,010
15 207 140	-	207	100	90 x 70 x 40	0,68	19 x 17 x 9	0,007
15 209	-	209	100	90 x 70 x 85	1,12	18 x 18 x 9	0,012
15 209 140	-	207	100	90 x 70 x 40	0,68	19 x 17 x 9	0,007
15 210	-	209	100	90 x 70 x 85	1,12	18 x 18 x 9	0,012
15 210 140	-	207	100	90 x 70 x 40	0,68	19 x 17 x 9	0,007
15 213	-	209	100	90 x 70 x 85	1,45	18 x 21 x 11	0,015
15 213 140	-	207	100	90 x 70 x 85	1,25	20 x 19 x 11	0,013
15 215	-	209	100	90 x 70 x 85	1,45	18 x 21 x 11	0,015
15 215 140	-	207	100	160 x 100 x 65	1,90	20 x 19 x 11	0,019
15 217	-	207	100	160 x 100 x 65	1,85	24 x 21 x 14	0,019
15 218	-	208	100	160 x 100 x 65	2,15	20 x 16 x 14	0,022
15 237	-	209	100	90 x 70 x 85	1,45	18 x 21 x 11	0,015
15 237 140	-	208	100	90 x 70 x 85	1,15	20 x 19 x 11	0,012
15 238	-	208	50	90 x 70 x 85	1,10	21 x 24 x 14	0,022
15 262	-	209	100	90 x 70 x 85	0,96	18 x 21 x 9	0,010
15 262 140	-	208	100	90 x 70 x 40	0,68	19 x 17 x 9	0,007
15 271 003	-	208	100	90 x 70 x 85	0,98	18 x 19 x 9	0,010
15 272	-	208	100	90 x 70 x 85	0,98	18 x 19 x 9	0,010
15 273	-	208	100	160 x 100 x 65	1,45	18 x 21 x 11	0,015
15 307	-	210	100	90 x 70 x 40	0,28	Ø 7 x 14	0,003
15 309	-	210	100	90 x 70 x 40	0,45	Ø 9 x 14	0,005
15 310	-	210	100	90 x 70 x 40	0,45	Ø 9 x 14	0,005
15 313	-	211	100	90 x 70 x 40	0,45	Ø 11 x 14	0,005
15 603	-	212	100	90 x 70 x 40	0,18	Ø 8 x 8	0,002
15 604	-	212	100	90 x 70 x 40	0,25	Ø 10 x 9	0,003
15 607	-	211	100	90 x 70 x 40	0,18	Ø 7 x 9	0,002
15 609	-	211	100	90 x 70 x 40	0,32	Ø 9 x 9	0,003
15 610	-	211	100	90 x 70 x 40	0,25	Ø 9 x 9	0,003
15 613	-	211	100	90 x 70 x 40	0,45	Ø 11 x 9	0,005
15 615	-	211	100	90 x 70 x 40	0,45	Ø 11 x 9	0,005
15 637	-	211	100	90 x 70 x 40	0,45	Ø 10 x 10	0,005
15 638	-	211	100	90 x 70 x 40	1,15	Ø 14 x 11	0,0100
15 907	-	202	100	90 x 70 x 40	0,28	Ø 7 x 15	0,003
15 909	-	202	100	90 x 70 x 40	0,50	Ø 9 x 15	0,005
15 913	-	202	100	90 x 70 x 40	0,62	Ø 11 x 15	0,006
15 926	-	202	100	90 x 70 x 40	0,62	Ø 11 x 15	0,006
15 937	-	202	100	90 x 70 x 40	0,62	Ø 11 x 15	0,006
15 938	-	202	100	90 x 70 x 85	1	Ø 14 x 15	0,0100
15 940	-	206	-	-	-	20 x 15 x 9	0,0100
15 941	-	206	-	-	-	20 x 15 x 9	0,0100
15 943	-	206	-	-	-	20 x 15 x 11	0,012

Article Numbers/Dimensions/Weights

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
15 947	-	206	-	-	-	20 x 15 x 11	0,013
15 949	-	206	-	-	-	20 x 15 x 9	0,008
15 967	-	209	-	-	-	18 x 18 x 9	0,010
15 968	-	209	-	-	-	18 x 18 x 9	0,012
15 973	-	209	-	-	-	18 x 21 x 11	0,015
15 976	-	210	-	-	-	18 x 21 x 11	0,015
15 977	-	210	-	-	-	18 x 21 x 9	0,01
16 090	4103810160905	214	1	215 x 135 x 40	1,038	-	-
16 092	4103810160929	215	1	175 x 120 x 35	0,56	-	-
16 099	4103810160998	216	1	300 x 245 x 55	2,95	-	-
16 100	-	217	1	-	-	68 x 45 x 15	0,043
16 102	-	217	1	-	-	85 x 51 x 18	0,072
16 400	4103810164002	217	10	160 x 100 x 65	0,35	135 x 70 x 7	0,031
16 402	4103810164026	217	10	160 x 100 x 65	0,51	135 x 70 x 10	0,043
16 403	4103810164033	217	10	160 x 100 x 65	0,45	135 x 70 x 10	0,042
16 404	4103810164040	217	10	160 x 100 x 65	0,45	135 x 70 x 10	0,042
16 405	4103810164057	218	10	160 x 100 x 65	0,59	135 x 70 x 12	0,057
16 409	4103810164095	218	10	160 x 100 x 65	0,59	135 x 70 x 12	0,057
16 430	4103810164309	218	10	160 x 100 x 65	0,37	135 x 70 x 10	0,035
16 432	4103810164323	218	10	160 x 100 x 65	0,39	135 x 70 x 10	0,037
16 433	4103810164330	218	10	160 x 100 x 65	0,39	135 x 70 x 10	0,037
16 434	4103810164347	218	10	160 x 100 x 65	0,62	135 x 70 x 12	0,060
16 435	4103810164354	218	10	160 x 100 x 65	0,62	135 x 70 x 12	0,060
16 439	4103810164392	219	10	160 x 100 x 65	0,62	135 x 70 x 12	0,060
16 460	4103810164606	219	10	160 x 100 x 65	0,37	135 x 70 x 10	0,035
16 462	4103810164620	219	10	160 x 100 x 65	0,37	135 x 70 x 10	0,037
16 463	4103810164637	219	10	160 x 100 x 65	0,37	135 x 70 x 10	0,037
16 464	4103810164644	219	10	160 x 100 x 65	0,62	135 x 70 x 12	0,060
16 465	4103810164651	219	10	160 x 100 x 65	0,62	135 x 70 x 12	0,060
16 469	4103810164699	219	10	160 x 100 x 65	0,62	135 x 70 x 12	0,060
17 000	-	195	-	-	-	800 x 35 x 35	0,160
17 003	-	178	-	-	-	Ø 20 x 1500	0,370
17 003 001	-	178	-	-	-	Ø 20 x 2000	0,490
17 003 002	-	178	-	-	-	Ø 20 x 3000	0,735
17 004	-	195	-	-	-	200 x 350 x 1000	3,940
17 008	-	195	-	-	-	550 x 500 x 1000	9,300
17 008 950	-	242	-	-	-	570 x 530 x 200	7,800
17 009	-	242	-	-	-	870 x 610 x 1000	35,000
17 009 390	-	243	-	-	-	700 x 800 x 1113	15,100
17 009 950	-	243	-	-	-	760 x 750 x 1070	13,200
17 012	-	193	1	670 x 420 x 100	4,80	-	-
17 012 950	-	193	1	670 x 420 x 100	4,80	-	-
17 012 952	-	193	1	670 x 420 x 100	5,00	-	-
17 014	-	193	1	800 x 420 x 100	6,30	-	-
17 014 950	-	194	1	800 x 420 x 100	6,40	-	-
17 014 954	-	194	1	800 x 420 x 100	6,40	-	-
17 016	-	232	1	600 x 100 x 90	2,00	-	-
17 018	-	231	1	670 x 420 x 100	4,30	-	-
17 018 010	-	231	1	670 x 420 x 100	4,40	-	-
17 019	-	234	1	675 x 420 x 100	3,20	-	-
17 019 950	-	234	1	675 x 420 x 100	3,10	-	-
17 020	4103810170201	160	1	320 x 130 x 57	1,30	-	-
17 020 125	4103810429118	161	1	320 x 130 x 57	1,30	-	-
17 021	-	195	-	-	-	560 x 515 x 175	6,200

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
17 023	4103810170232	162	1	375 x 320 x 65	2,95	-	-
17 023 125	4103810429125	163	1	375 x 320 x 65	2,95	-	-
17 024	-	229	1	800 x 480 x 100	3,60	-	-
17 024 950	-	230	1	800 x 480 x 300	10,10	-	-
17 026	-	228	1	820 x 155 x 115	2,10	-	-
17 028	-	228	1	820 x 480 x 300	8,60	-	-
17 034	-	192	1	670 x 420 x 100	4,30	-	-
17 036	-	192	1	670 x 420 x 100	4,40	-	-
17 037	-	193	1	670 x 420 x 100	4,90	-	-
17 038	-	194	1	800 x 420 x 100	7,30	-	-
17 044	-	194	-	-	-	Ø 22 x 39	0,039
17 045	-	195	-	-	-	215 x 80 x 22	0,120
17 095	-	243	-	380 x 125 x 70	2,70	-	-
17 171	-	197	-	-	-	Ø 280 x 55	0,850
17 172	-	197	-	-	-	Ø 310 x 55	1,250
17 176	-	197	-	-	-	Ø 365 x 65	1,380
17 184	-	197	-	-	-	Ø 430 x 88	1,430
17 191	-	243	-	-	-	340 x 210 x 55	0,560
17 194	-	197	-	-	-	Ø 415 x 80	1,370
17 195	-	196	-	-	-	Ø 220 x 30	0,650
17 196	-	243	-	-	-	340 x 210 x 55	0,560
17 197	-	196	-	-	-	250 x 210 x 55	0,550
17 198	-	197	-	-	-	Ø 480 x 80	1,663
17 199	-	196	-	-	-	350 x 300 x 55	0,600
17 230	-	196	-	-	-	Ø 245 x 30	0,800
17 265	-	196	-	-	-	Ø 275 x 30	1,070
17 275	-	196	-	-	-	Ø 295 x 30	1,080
17 285	-	196	-	-	-	Ø 290 x 30	1,340
17 300	-	196	-	-	-	Ø 315 x 30	1,270
17 320	-	196	-	-	-	Ø 340 x 30	1,640
17 325	-	196	-	-	-	Ø 365 x 30	1,360
17 350	-	196	-	-	-	Ø 360 x 30	1,820
17 380	-	196	-	-	-	Ø 390 x 30	2,000
17 400	-	196	-	-	-	Ø 410 x 30	2,030
17 505	-	197	1	480 x 240 x 270	4,30	-	-
17 505 390	-	197	1	480 x 240 x 270	4,30	-	-
17 600	-	179	1	320 x 150 x 40	0,60	-	-
17 601	-	178	-	-	-	Ø 26 x 60	0,092
17 605	-	176	1	670 x 420 x 100	4,10	-	-
17 610	-	176	1	670 x 420 x 100	4,90	-	-
17 615	-	177	1	670 x 420 x 100	5,30	-	-
17 617	-	177	1	670 x 420 x 100	5,50	-	-
17 618	-	177	1	670 x 420 x 100	5,50	-	-
17 620	-	177	1	670 x 420 x 100	5,50	-	-
17 625	-	177	1	800 x 480 x 100	6,70	-	-
17 632	-	177	1	800 x 480 x 100	6,80	-	-
17 660	-	178	1	800 x 480 x 100	7,80	-	-
17 693	-	180	1	670 x 420 x 100	5,40	-	-
17 693 698	-	181	1	670 x 420 x 100	4,90	-	-
17 694	-	180	1	670 x 420 x 100	5,80	-	-
17 694 950	-	181	1	670 x 420 x 100	5,80	-	-
17 781	-	185	2	500 x 190 x 560	10,30	480 x 160 x 600	4,800
17 783	-	185	2	530 x 230 x 560	11,20	480 x 200 x 600	5,200
17 785	-	185	2	570 x 250 x 560	15,30	500 x 260 x 600	6,900

Article Numbers/Dimensions/Weights

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
17 786	-	186	2	500 x 190 x 560	10,30	480 x 160 x 600	4,800
17 788	-	186	2	530 x 230 x 560	12,10	480 x 200 x 600	5,500
17 790	-	182	2	600 x 500 x 270	15,50	500 x 260 x 600	7,100
17 791	-	186	2	570 x 250 x 560	14,20	500 x 260 x 600	6,500
17 792	-	183	2	600 x 500 x 270	15,00	500 x 260 x 600	7,100
17 793	-	187	1	380 x 360 x 700	11,90	-	-
17 794	-	184	1	900 x 400 x 400	11,20	-	-
17 796	-	184	1	850 x 400 x 400	9,80	-	-
17 805	-	188	1	670 x 420 x 100	3,80	-	-
17 810	-	189	1	670 x 420 x 100	3,90	-	-
17 815	-	189	1	670 x 420 x 100	4,30	-	-
17 815 653	-	189	1	670 x 420 x 100	5,60	-	-
17 817	-	189	1	670 x 420 x 100	4,50	-	-
17 818	-	191	1	670 x 420 x 100	4,80	-	-
17 820	-	189	1	670 x 420 x 100	4,80	-	-
17 825	-	190	1	670 x 420 x 100	5,40	-	-
17 825 950	-	191	1	670 x 420 x 100	5,20	-	-
17 850	-	190	1	670 x 420 x 100	6,50	-	-
18 016	-	158	-	-	-	Ø 17 x 24	0,023
18 017	-	158	-	-	-	Ø 17 x 24	0,022
18 066	4103810180668	95	1	530 x 170 x 75	2,45	-	-
18 066 125	4103810429064	95	1	530 x 170 x 75	2,45	-	-
18 070	-	139	1	600 x 510 x 105	8,10	-	-
18 071	4103810180712	135	1	380 x 190 x 70	1,85	-	-
18 072	4103810180729	135	1	400 x 170 x 75	2,10	-	-
18 073	4103810180736	139	1	400 x 170 x 75	2,10	-	-
18 074	4103810180743	137	1	400x 170 x 75	2,55	-	-
18 077	4103810180774	139	1	400 x 170 x 75	2,20	-	-
18 080	-	158	-	-	-	Ø 13 x 33	0,021
18 080 950	-	158	-	-	-	Ø 13 x 65	0,044
18 085	-	262	-	-	-	Ø 18 x 35	0,033
19 519	-	245	-	-	-	Ø 85 x 45	0,171
19 526	-	244	-	-	-	80 x 65 x 37	0,162
19 529	-	245	-	-	-	105 x 85 x 45	0,260
19 768	-	30	1	400 x 400 x 900	15,60	-	-
21 030	4007228825008	60	4	420 x 320 x 480	3,80	310 x 140 x 320	0,820
21 050	-	59	6	750 x 230 x 280	10,80	220 x 125 x 280	1,700
21 055	-	59	4	670 x 290 x 400	15,00	280 x 125 x 400	2,900
21 060 950	-	59	4	670 x 360 x 480	18,30	360 x 160 x 480	4,400
21 070	4103810210709	59	-	120 x 65 x 290	0,45	120 x 65 x 290	0,450
21 080	4103810210808	59	1	70 x 60 x 300	0,26	70 x 60 x 300	0,260
21 090	-	62	-	-	-	650 x 200 x 320	0,600
21 131	4103810211317	60	-	-	-	331 x 185 x 237	0,640
21 133	4103810211331	60	-	-	-	329 x 195 x 319	0,820
21 137	4103810211379	60	-	-	-	385 x 229 x 410	1,270
21 141	4103810211416	62	-	-	-	329 x 152 x 251	0,420
21 143	4103810211430	62	-	-	-	329 x 172 x 341	0,570
21 147	4103810211478	62	-	-	-	381 x 201 x 433	0,950
21 151	4103810211515	62	-	-	-	330 x 150 x 251	0,440
21 153	4103810211539	62	-	-	-	330 x 171 x 342	0,560
21 157	4103810211577	62	-	-	-	383 x 203 x 431	0,970
21 163	4103810211638	61	-	-	-	348 x 174 x 319	0,550
21 165	4103810211652	61	-	-	-	352 x 175 x 418	0,820
21 167	4103810211676	61	-	-	-	416 x 203 x 408	0,940

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
21 169	4103810211690	61	-	-	-	415 x 248 x 537	1,280
21 305	4007228702293	61	12	800 x 600 x 270	8,70	260 x 140 x 240	0,660
21 310	4007228700701	61	5	780 x 330 x 350	5,50	320 x 140 x 340	1,050
21 310 944	4007228704792	61	5	780 x 330 x 350	4,20	320 x 140 x 340	0,750
24 110	4103810241109	79	-	-	-	360 x 360 x 100	0,260
24 114	4103810241147	80	-	-	-	450 x 400 x 150	1,090
30 027	4103810300271	80	1	360 x 360 x 150	0,66	-	-
30 029	4103810300295	80	1	360 x 360 x 100	0,41	-	-
30 801	4103810308017	81	-	-	-	375 x 320 x 60	0,670
30 803	4103810308031	81	-	-	-	380 x 195 x 150	0,080
30 805	4103810308055	81	-	-	-	380 x 260 x 220	1,300
30 807	4103810308079	81	-	-	-	480 x 260 x 240	1,550
30 809	4103810308093	81	-	-	-	575 x 260 x 260	3,000
33 101	-	250	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 102	-	251	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 103	-	252	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 104	-	253	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 106	-	254	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 109	-	255	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 111	-	256	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 114	-	257	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 118	-	258	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 119	-	259	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 121	-	250	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 122	-	251	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 123	-	252	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 124	-	253	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 126	-	254	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 129	-	255	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 131	-	256	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 134	-	257	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 138	-	258	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 139	-	259	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 141	-	250	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 142	-	251	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 143	-	252	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 144	-	253	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 146	-	254	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 149	-	255	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 151	-	256	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 154	-	257	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 158	-	258	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 159	-	259	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 161	-	250	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 162	-	251	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 163	-	252	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 164	-	253	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 166	-	254	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 169	-	255	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 171	-	256	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 174	-	247	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 178	-	258	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
33 179	-	259	20	360 x 300 x 105	6,70	Ø 70 x 110	0,320
55 807	-	213	100	90 x 70 x 85	1,34	Ø 15 x 16	0,013

Article Numbers/Dimensions/Weights

Article no.	EAN-Code	Page	PU	Dimensionen PU Packing	Weight PU kgm	Dimensionen Article	Weight Article kgm
55 809	-	213	100	90 x 70 x 85	1,34	Ø 15 x 16	0,013
55 810	-	213	100	90 x 70 x 85	1,34	Ø 15 x 16	0,013
55 813	-	213	50	90 x 70 x 85	0,68	Ø 15 x 16	0,013
55 815	-	213	50	90 x 70 x 85	0,76	Ø 15 x 16	0,015
55 837	-	213	50	90 x 70 x 85	0,76	Ø 15 x 16	0,015
55 838	-	213	50	90 x 70 x 85	0,92	Ø 15 x 16	0,018
57 523	-	214	50	160 x 100 x 65	3,10	Ø 22 x 32	0,062
57 538	-	214	50	160 x 100 x 65	1,75	Ø 22 x 22	0,034
57 539	-	214	50	160 x 100 x 65	1,42	Ø 22 x 22	0,028
57 807	-	212	100	160 x 100 x 65	1,50	Ø 17 x 18	0,016
57 809	-	212	100	160 x 100 x 65	1,50	Ø 17 x 18	0,016
57 810	-	212	100	160 x 100 x 65	1,50	Ø 17 x 18	0,016
57 813	-	212	50	90 x 70 x 85	0,80	Ø 17 x 18	0,016
57 815	-	212	50	90 x 70 x 85	0,80	Ø 17 x 18	0,016
57 817	-	212	50	90 x 70 x 85	0,80	Ø 17 x 18	0,016
57 837	-	213	50	90 x 70 x 85	0,80	Ø 17 x 18	0,016
57 838	-	213	50	90 x 70 x 85	0,91	Ø 17 x 18	0,019
60 137	-	264	-	-	-	Ø 17 x 33	0,016
60 238	-	264	-	-	-	Ø 23 x 43	0,030
60 338	-	264	-	-	-	Ø 31 x 45	0,041
60 438	-	264	-	-	-	Ø 37 x 47	0,055
60 538	-	264	-	-	-	Ø 49 x 53	0,084
60 638	-	265	-	-	-	Ø 57 x 55	0,115
60 739	-	265	-	-	-	Ø 66 x 62	0,170
63 731	-	261	-	-	-	Ø 22 x 16	0,029
63 732	-	261	-	-	-	Ø 17 x 26	0,024
63 735	-	261	-	-	-	Ø 19 x 30	0,040
63 736	-	260	-	-	-	Ø 17 x 20	0,017
63 737	-	260	-	-	-	Ø 17 x 20	0,017
63 738	-	260	-	-	-	Ø 17 x 22	0,018
63 739	-	260	-	-	-	Ø 18 x 18	0,016
63 740	-	260	-	-	-	Ø 17 x 22	0,020
63 741	-	260	-	-	-	Ø 17 x 22	0,022
63 743	-	260	-	-	-	Ø 19 x 22	0,030
63 745	-	260	-	-	-	Ø 17 x 25	0,027
63 747	-	261	-	-	-	Ø 19 x 22	0,035
63 750	-	262	-	-	-	47 x 21 x 21	0,035
63 763	-	263	-	-	-	Ø 17 x 32	0,032
63 772	-	264	-	-	-	Ø 17 x 22	0,021
63 773	-	263	-	-	-	Ø 14 x 30	0,016
63 789	-	262	-	-	-	Ø 17 x 25	0,021
63 905	-	210	100	160 x 100 x 65	0,095	Ø 13 x 40	0,001
63 906	-	210	100	160 x 100 x 65	0,095	Ø 13 x 9	0,001
63 950	-	261	-	-	-	40 x 24 x 40	0,090
63 951	-	261	1	110 x 60 x 80	0,38	-	-
63 952	-	261	1	110 x 60 x 80	0,39	-	-
63 954	-	262	-	-	-	Ø 17 x 31	0,036
63 955	-	262	-	-	-	55 x 30 x 50	0,046
63 956	-	263	-	-	-	70 x 23 x 87	0,033
63 957	-	263	-	-	-	70 x 30 x 70	0,017
63 958	-	263	-	-	-	Ø 14 x 80	0,050
63 959	-	264	-	-	-	Ø 14 x 120	0,075
73 005	4103810730054	82	-	-	-	255 x 185 x 50	1,270
73 077	4103810730771	82	-	-	-	220 x 135 x 40	0,325

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