

EXPORT

IN MOTION

PRODUCT CATALOGUE FOR PUMPING, METERING AND DOSING



WELCOME TO "HALLBAUER" – A DIVISION OF SAMOA-HALLBAUER

With great pleasure we would like to present to you our new catalogue for professional equipment for the handling of fluids especially lubricants. Established in 1919 the brand HALLBAUER of Samoa-Hallbauer GmbH stands ever since for reliable partnership when it comes to professional lubrication equipment. As forwardlooking group of companies we rely on our innovative power and experience to offer you state of the art and individual solutions for your lubrication problems. We invite you to discuss your requirements with us, as communication is vital for tailor-made products and adequate service.

General management and staff are dedicated to achieve our goal: your entire satisfaction! Quality combined with a convincing price/value-ratio: That is what we guarantee through a close quality control and regular field tests. What you as a professional require is professional quality! Our excellent logistic situation in the heart of the busy Rhine-Neckar-triangle allows us to provide best service and prompt delivery for our customers worldwide in over 80 countries. On the following pages you are invited to get to know our product range and performance. And do not forget: We are just a phone call or e-mail away to learn about your individual needs!

We look forward to our future cooperation.

Mariano



Dr. Albrecht Hallbauer, Managing Director of Samoa-Hallbauer GmbH





 $\label{eq:condition} \textbf{Good accessibility} - \textbf{even from distance: Our export sales and logistics team.}$

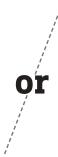
On Order: Quality and Service. A Cut Above.

Samoa-Hallbauer GmbH combines the long standing success story of Hallbauer Metallwarenfabrik GmbH and the innovative strength and worldwide production structure of Samoa S.A. Together we are the leading suppliers for pumping, metering and dosing technology for viscous liquids such as lubricants giving you the benefit of high class, innovative and sustainable products attended by trusted service.

Please let us know your questions, requests, proposals, and concerns. We will only be too happy to have the opportunity to assist you with advice, offers tailored to your needs and a reliable after sales service. Just call or e-mail us and we will be with you. Thank you.

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IN MOTION

8 **01 Grease**Lubricating with grease

66 02 Fresh Oil

Electric and pneumatic pumps – powerful and highly versatile



82 03 Diesel

Diesel, biodiesel and AdBlue® – Refuel with us!

92 04 Chemicals

Not easy, but feasible.



A LARGE FIELD – FROM LOW-TECH TO HIGH-TECH.

For a easy lubricating with grease

Let's start our trip to the lubrication universe with the "classics" which are still the backbone in lubrication worldwide – the hand- and foot-operated lubrication equipment. They are literally independent from electric power and compressed air. However, they ask for your muscular strength – sometimes less, sometimes more.

If you have to lubricate e.g. the huge harvesting or construction machines which need quite a bit of grease your choice is the hand-operated bucket greaser HAG which gives you high-pressure lubrication directly out of the grease keg. The HAG bucket greasers are by the way also very popular for servicing cable cars and ski lifts in the mountains.

You need a free hand and would like to have a little extra exercise for your leg muscles? Fine, then just get yourself one of our high-pressure foot-operated grease pumps FHP or WH. They have a clear home field advantage in industry, in shipping and railway companies.

Worldwide number one in the lubrication charts as second to none is still the good old lever-type grease gun — a real classic. Many million pieces are manufactured every year and the volume is still growing. Watch out, though, when you buy a grease gun! If you have to lubricate your leisure time vehicles once or twice a year you could, if you want to do so, settle for one of the cheap grease guns, but if you or your customers are professional users you should look for quality — otherwise buying cheap could become very expensive in the end when you look

Worldwide number one in the lubrication charts is lever-type grease gun. at the enormous financial damage a not properly lubricated bearing could cause when it comes to the very expensive machines which are used in industry, construction or agriculture.

As we consider ourselves to be professionals having been servicing for almost one century now professionals like yourself, we place special emphasis on quality products. This applies to our top of the line grease guns, the Variomatic special for the very rough applications and as well to our X-TRA line grease guns made completely out of steel, our workhorse for the everyday lubrication job. Latest examples to meet our commitment as professionals are our new grease gun lines with screwin cartridges such as the one-hand grease gun PEP 500 VARIO-PAT and the push-type grease gun K 100 which finally make refilling of grease guns a clean and easy job.



01 Grease

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Professional lever grease guns

- > extremely reliable, also with high-pressure applications
- precisely worked piston, no need of additional sealings
 - > made of precision steel, robust and durable
 - safe grip (non-slip knurled pump body, curved lever, extra-large piston knob for safe handling)
 - > working pressure 400 bar (5.800 psi)

Heavy-duty lever grease gun "Variomatic" special 40844 / 40843



81774 "Variomatic" special/M without accessories81773 "Variomatic" special/BSP without accessories

40844 Set "Variomatic" special/M

with extension pipe 103/M (DIN 1283), 150 mm (6 inch), with 4-jaw Profi-nozzle

40842 Set "Variomatic" special/BSP

with extension pipe 103/BSP, 150 mm (6 inch), with 4-jaw Profi-nozzle

40843 Set "Variomatic" special/M

with safety high-pressure rubber hose 110/M (DIN 1283), 300 mm (12 inch), with 4-jaw Profi-nozzle (DIN 1283)

40841 Set "Variomatic" special/BSP

with safety high-pressure rubber hose 110/BSP, 300 mm (12 inch), with 4-jaw Profi-nozzle, 150 mm (6 inch), with 4-jaw Profi-nozzle

40736 Set "Variomatic" special/M

with safety high-pressure rubber hose 110/M (DIN 1283), 300 mm/12 inch, and extension pipe 103/M (DIN 1283), 150 mm (6 inch), both with 4-jaw Profi-nozzle (DIN 1283)

- > heavy-duty lever grease gun made of precision steel with heavy-duty diecast aluminium head
- > builds up very high pressure
- > variable and controlled lubrication with short-stroke system
- > white plain carton
- > safety handle
- > filler nipple
- > three-way loading with professional filler pump FG plus, 400 g (14 oz) grease cartridges (DIN 1284) or bulk grease
- > capacity 500 cm³ (17 oz)/400 g (14 oz)
- \rightarrow connecting thread M = M 10 x 1, 1/8" BSP = G 1/8"

I GREASE

Professional lever grease guns

- > extremely reliable, also with high-pressure applications
- > precisely worked piston, no need of additional sealings
- > made of precision steel, robust and durable
- > safe grip (non-slip knurled pump body, curved lever, extra-large piston knob for safe handling)
- > working pressure 400 bar (5.800 psi)

Lever grease gun "X-TRA 701" with filler nipple 01803

Lever grease gun "X-TRA 701" Colour with filler nipple 41274







Without accessories

40800 X-TRA 701/M (DIN 1283) 40801 X-TRA 701/BSP

With bent extension pipe 103, 150 mm/6 inch, with 4-jaw Profi-nozzle

01801 Set "X-TRA 701"/M with 103/M (DIN 1283)

01831 Set "X-TRA 701"/R with 103/BSP

40641 Set "X-TRA 701"/NPT with 103/NPT

With safety high-pressure rubber hose 110, 300 mm/12 inch, with 4-jaw Profi-nozzle

01803 Set "X-TRA 701"/M with 110/M (DIN 1283)

01833 Set "X-TRA 701"/R with 110/BSP

With high-pressure hose 910, 300 mm/12 inch, with 4-jaw Profi-nozzle

40453 Set "X-TRA 701"/M with 910/M (DIN 1283)

40871 Set "X-TRA 701"/R with 910/BSP

40642 Set "X-TRA 701"/NPT with 910/NPT

With safety high-pressure rubber hose 110, 300 mm/12 inch, and bent extension pipe 103, 150 mm/6 inch, both with 4-jaw Profi-nozzle

40408 Set "X-TRA 701"/M with 110/M (DIN 1283) and 103/M (DIN 1283)

40405 Set "X-TRA 701"/R with 110/BSP and 103/BSP

With high-pressure hose 910, 300 mm/12 inch, and bent extension pipe 103, 150 mm/6 inch, both with 4-jaw Profi-nozzle

40546 Set "X-TRA 701"/M with 910/M (DIN 1283) and 103/M (DIN 1283)

40419 Set "X-TRA 701"/R with 910/BSP and 103/BSP

Characteristics

- > ultimate suction power with full-stroke system
- > made of precision steel, robust, durable and with curved lever and filler nipple
- $^{\rm)}$ three-way loading with professional filler pump FG plus, 400 g (14 oz) grease cartridges or bulk grease
- > output 1 cm³/stroke
- > capacity 500 cm³ (17 oz) / 400 g (14 oz)
- \rightarrow connecting thread M = M 10 x 1, 1/8" BSP = G 1/8", 1/8" NPT

41274 X-TRA 701/M Colour

without accessories

- > five different safety handles (red, yellow, green, blue and black) for a better allocation of specially greases to the lubrication points of machinery and vehicles
- > display carton with 👸
- > ultimate suction power with full-stroke system
- > made of precision steel, robust and durable
- > filler nipple
- three-way loading with professional filler pump FG plus, 400 g (14 oz) grease cartridges or bulk grease
- output 1 cm³/stroke
- > capacity 500 cm³ (17 oz) / 400 g (14 oz)
- \rightarrow connecting thread M = M 10 x 1

Lever grease gun "X-TRA 709" 82024

Lever grease gun "X-TRA 709" with bent extension pipe 01851

Lever grease gun "X-TRA 709" with high-pressure rubber hose 01853







82024 "X-TRA 709"/M (DIN 1283)

82026 "X-TRA 709"/BSP

Characteristics

- > display plastic bag (PE) with 🧑
- > two-way loading with 400 g (14 oz) grease cartridges (DIN 1284) or bulk grease
- > capacity 500 cm³ (17 oz)/400 g (14 oz)
- working pressure 400 bar (5.800 psi)
- \rightarrow connecting thread M = M 10 x 1, 1/8" BSP = G 1/8", 1/8" NPT on request

With bent extension pipe 103, 150 mm (6 inch), with 4-jaw Profi-nozzle

01851 Set "X-TRA 709"/M with 103/M (DIN 1283)

01881 Set "X-TRA 709"/BSP with 103/BSP

Characteristics

- > display plastic bag (PE) with 🥙
- > two-way loading with 400 g (14 oz) grease cartridges (DIN 1284) or bulk grease
- > capacity 500 cm³ (17 oz)/400 g (14 oz)
- working pressure 400 bar (5.800 psi)
- \rightarrow connecting thread M = M 10 x 1, 1/8" BSP = G 1/8", 1/8" NPT on request

With high-pressure hose 910, 300 mm (12 inch), with 4-jaw Profi-nozzle

01853 Set "X-TRA 709"/M with 910/M (DIN 1283)

01883 Set "X-TRA 709"/BSP with 910/BSP

- › display plastic bag (PE) with 🧑
- > two-way loading with 400 g (14 oz) grease cartridges (DIN 1284) or bulk grease
- > capacity 500 cm³ (17 oz)/400 g (14 oz)
- > working pressure 400 bar (5.800 psi)
- \rightarrow connecting thread M = M 10 x 1, 1/8" BSP = G 1/8", 1/8" NPT on request

Professional lever grease guns

- > extremely reliable, also with high-pressure applications
- > precisely worked piston, no need of additional sealings
- > made of precision steel, robust and durable
- > safe grip (non-slip knurled pump body, curved lever, extra-large piston knob for safe handling)
- working pressure 400 bar (5.800 psi)

Lever grease gun "X-TRA 600" with filler nipple 81712

Two-hand grease gun PZP 41037

Lever grease gun box PHK 07990







81712 "X-TRA 600"/M

without accessories

40437 Set "X-TRA 600"/M

with extension pipe 103/R with 4-jaw Profi-nozzle

41381 Set "X-TRA 600"/M

including extension pipe 103/BSP, and high-pressure hose 910/BSP, both with 4-jaw Profi-nozzle

Characteristics

- odisplay plastic bag (PE) with 🕏
- > safety handle
- → filler nipple
- > three-way loading with filler pump FG, 400 g (14 oz) (DIN 1284) and 500 g (7,5 oz) grease cartridges or bulk grease
- > capacity 600 cm³ (20 oz) / 500 g (17,5 oz)
- \rightarrow connecting thread M = M 10 x 1

41035 PZP/M

41037 Set PZP/M (DIN 1283)

with high-pressure hose 910/M with 4-jaw Profi-nozzle

41038 Set PZP/M (DIN 1283)

with saftey-high-pressure rubber hose 110/M with 4-jaw Profi-nozzle

Characteristics

- > environmentally sound due to use with refillable 500 g (17,5 oz) screw-in cartridges and reliable emptying of cartridges
- > quick and clean changing of cartridge
- > robust construction with zinc die cast head and sheet metal levers
- > powerful suction capacity by full-stroke system
- > controlled lubrication due to safe hand grip
- > unbreakable retractable cartridge guide ring
- > little operation effort required due to customer-oriented lever construction
- > working pressure 400 bar (5.800 psi)
- > output 1,4 cm³/stroke (0,05 oz)
- \rightarrow connecting thread M = M 10 x 1

07990 PHK/M

40044 PHK/BSP

Characteristics

- > solid plastic box, with oil-proof insert
- \rightarrow connecting thread M = M 10 x 1, 1/8" BSP = G 1/8", 1/8" NPT

Content

- > 1 professional lever grease gun "X-TRA 701"
- > 1 safety high-pressure rubber hose 2200 with 4-jaw Profi-nozzle and quick coupler
- > 1 extension pipe 103, bent, with 4-jaw Profi-nozzle
- > 1 extension pipe 2060 with cardan nozzle and quick coupler
- > 1 extension pipe 2070/M1 with hook-on coupler for button-head grease fittings M1 ø 16 mm and quick coupler
- > 1 all-purpose nozzle 36
- > 1 pointed nozzle 23
- > 1 reduction piece (only for PHK/NPT)

Professional one-hand grease guns

- > indispensable for difficult to reach greasing points
- connecting thread 1/8" BSP = G 1/8"

One-hand grease gun "PEP 500" 01531

One-hand grease gun "PEP 500 VARIO" 40700

One-hand grease gun "PEP 500 VARIO-PAT" 40700







01531 "PEP 500" D

with extension pipe 103/BSP with 4-jaw Profi-nozzle

40511 "PEP 500" D - M 10 x 1

with extension pipe 103/M with 4-jaw Profi-nozzle

01532 "PEP 500" G

with safety high-pressure rubber hose 110/BSP with 4-jaw Profi-nozzle

40512 "PEP 500" G - M 10 x 1

with safety high-pressure rubber hose 110/M with 4-jaw Profi-nozzle

40344 "PEP 500" H

with high-pressure hose 910/BSP with 4-jaw Profi-nozzle

40832 "PEP 500"

with extension pipe 103/BSP and safety high-pressure rubber hose 110/BSP both with 4-jaw Profi-nozzle

Characteristics

- > made of precision steel
- > display plastic bag (PE) with
- > filler nipple
- > three-way loading with filler pump FG, 400 g (14 oz) cartridges (DIN 1284) or bulk grease
- \rightarrow capacity 500 cm³ (17 oz)/40(2)(14 oz)

40700 "PEP 500 VARIO" H

with high-pressure hose 910/BSP with 4-jaw Profi-nozzle

40777 "PEP 500 VARIO" D

with extension pipe 103/BSP with 4-jaw Profi-nozzle

Characteristics

- > integrated switch mode for high pressure or high output
- > made of precision steel with heavy-duty diecast zinc head, high quality coated grease gun body and zinc-plated handle
- > handle lockable in place for leak-proof storing
- > display carton
- > filler nipple and vent nipple
- > three-way loading with filler pump FG, 400 g (14 oz) cartridges (DIN 1284) or bulk grease
- > capacity 500 cm³ (17 oz)/400 g (14 oz)

40733 "PEP 500 VARIO-PAT" 2

for 500 g (17,5 oz) screw-in cartridges with high-pressure hose 910 with 4-jaw Profi-nozzle

40601 "PEP 500 VARIO-PAT" 4

for 500 g (17,5 oz) screw-in cartridges with high-pressure hose 910 with 4-jaw Profi-nozzle specially for Kajo- and Euro-cartridges

- display carton
- > integrated switch mode for high pressure or high output
- > made of precision steel with heavy-duty diecast zinc head, high quality coated grease gun body and zinc-plated handle
- > handle lockable in place for leak-proof storing
- > clean and quick refilling with 500 g (17,5 oz) screw-in cartridges

Professional one-hand grease guns

- > indispensable for difficult to reach greasing points
- connecting thread 1/8" BSP = G 1/8"

Professional one-hand grease gun "PEP 200" 11211

Professional one-hand grease gun "PEP 100" 40483





11211 "PEP 200" D

with extension pipe 103/M with 4-jaw Profi-nozzle and 2 screw-in cartridges PAT 100

11212 "PEP 200" H

with high-pressure hose with 4-jaw Profi-nozzle and 2 screw-in cartridges PAT 100

Characteristics

- > plain white carton
- with screw-in cartridge filled with 100 g (3,5 oz) lithium base multiple-purpose grease, consistency class NLGI 2, for a simple, quick and clean operation
- \rightarrow connecting thread M = M 10 x 1

40483 "PEP 100"

Characteristics

- > plastic bag (PE)
- > double-nozzle for hydraulic and cup-shaped grease fittings
- > refilling with grease cartridge PAT 60 or bulk grease
- > capacity 100 cm³ (3,5 oz)
- \rightarrow connecting thread M = M 10 x 1



Please find our choice of grease cartridges on page 31.

01 GREASE

Professional push-type grease guns made of plastic

- > multifunctional
- > ideal for tool boxes or kits
- > one-hand operation

"Serie K 60" 40557 / 40583 / 41078

"Serie K" - customized version

"Serie K 100" with screw-in catridges 40625 / 40626 / 40627 / 41275











empty

40557 K 60/Na tube length 30 mm with extra-pointed nozzle

40558 K 60/3 tube length 30 mm with all-purpose nozzle

41078 K 60/3 tube length 100 mm with all-purpose nozzle, for filling of cardan joins

prefilled with multiple-purpose grease 40582 K 60/Na

with extra-pointed nozzle 40583 K 60/3

with all-purpose nozzle

- > refilling with grease cartridge PAT 60
- > manufactured from high-quality plastic materials withstanding changes in temperature
- > transparent, visual control of fill level
- > suitable for high viscosity oils and greases of up to medium consistency (NLGI 2)
- > capacity 60 cm³ (2 oz)
- > pointed nozzle for cup-shaped grease fittings
- > all-purpose nozzle for hydraulic and ball-head grease fittings
- output max. 0,5 cm³/stroke (0,02 oz) depent on consistency of grease

stamping of grease gun body with your logo

One-time set-up cost for printing block and art work as well as printing cost and purchase minimum on request.

packaging in slide-in blister

(holding one grease gun) Cost for blister package and purchase minimum on request.

blistercard (6,5 cm x 24,5 cm)

One-time set-up cost for printing bloc and artwork as well as printing cost and purchase minimum on request.

40625 K 100/2 tube length 30 mm

with pointed nozzle and 1 screw-in cartridge

40626 K 100/3 tube length 30 mm

with all-purpose nozzle and 1 screw-in cartridge

40627 K 100/NA tube length 30 mm

with extra-pointed nozzle and 1 screw-in cartridge

41275 K 100/3 VL70 tube length 100 mm

with all-purpose nozzle and 1 screw-in cartridge

- > quick and clean filling with screw-in cartridge PAT 100 containing 100 g (3,5 oz) lithium base multiple purpose grease, consistency class NLGI 2
- > including 1 cartridge
- > capacity 100 cm³ (2 oz)
- > pointed nozzle for cup-shaped grease fittings
- > all-purpose nozzle for hydraulic and ball-head grease fittings
- > extra-pointed nozzle, e.g. for chain saws
- output max. 0,5 cm³/stroke (0,02 oz) depent on consistency of grease

Professional push-type grease guns

- > suitable for diffent types of grease
- > capacity 60 cm³ (2 oz) up to 180 cm³ (6 oz)

"Serie T" 03122/03332

"Serie F" 04121/04131

"Serie FO" 05122/05132







03122 T 100/2 with pointed nozzle 03132 T 100/3 with all-purpose nozzle

03322 T 180/2 with pointed nozzle 03332 T 180/3 with all-purpose nozzle

Characteristics

- > suitable for greases of high consistency (NLGI 3)
- > telescopic piston tube
- > capacity 100 cm3 (3,5 oz) up to 180 cm3 (6 oz)

04021 F 60/2

with pointed nozzle

04052 F 60/Na

with extra-pointed nozzle for chain saws

04032 F 60/3

with all-purpose nozzle

Characteristics

- > suitable for greases of medium consistency (NLGI 2) and high viscosity oils
- > user-optimized design
- > refilling with grease cartridge PAT 60 or bulk
- > easy removal of the empty grease cartridge
- > capacity 60 cm³ (2 oz) or 150 cm³ (5 oz)
- output max. 0,3 cm³/stroke (0,01 oz) depent on consistency of greae

04121 F 150/2 with pointed nozzle 04131 F 150/3 with all-purpose nozzle

40727 F 150/3+2 with pointed nozzle and all-purpose nozzle

Characteristics

- > suitable for greases of medium consistency (NLGI 2) and high viscosity oils
- > capacity 60 cm³ (2 oz) or 150 cm³ (5 oz)
- output max. 0,3 cm³/stroke (0,01 oz) depent on consistency of greae

05122 FO 180/2

with pointed nozzle

05132 FO 180/3

with all-purpose nozzle

Characteristics

- > especially suitable for low viscosity oils and aerosols
- > capacity 180 cm³ (6 oz)

Adapters for push-type grease guns (series T, F 150, FO 180) 07011 / 80366 / 07041 / 80492



07011 23/M 9 x 1 pointed nozzle **80366 23/M 9 x 1** extra-pointed nozzle **07041 36/M 9 x 1** all-purpose nozzle **80492** M 9 x 1i - M 10 x 1a connection adaptor

Professional manual high pressure grease pumps

- > versatile, especially when higher amounts of grease are required and no connection to compressed air is available
- > ideal for manual and economic lubrication in private and public vehicle fleets, in agriculture, construction, mines, workshops and the maritime sector
- one-hand operation allows secure seat of 4-jaw Profi-nozzle on grease fittings head
- > units complete with greasing hose and extension pipe including 4-jaw Profi-nozzle

Bucket greaser "Serie HAG" 40110

Grease bucket pump "Serie BMP" 150000





40110 HAG 15 for 15 kg grease kegs, suction tube length 300 mm, dust cover ø 310 mm, follower plate ø 260 – 290 mm

40111 HAG 20 for 20 kg grease kegs, suction tube length 360 mm, dust cover ø 330 mm, follower plate ø 260-306 mm

40112 HAG 25 for 25 kg grease kegs, suction tube length 360 mm, dust cover ø 342 mm, follower plate ø 285 – 341 mm

40126 HAG 50 for 50 kg grease kegs, suction tube length 660 mm, dust cover ø 405 mm, follower plate ø 360 – 405 mm

Characteristics

- > for manual lubrication directly from grease keg
- > suitable for greases up to consistency class NLGI 2
- > manual lever pump with G 2" bung adaptor
- > follower plate, dust cover with G 2" connection, 1,5 m high-pressure rubber hose with extension pipe and 4-jaw Profi-nozzle
- > working pressure 350 bar (5.000 psi)
- output 2 cm³/stroke (0,06 oz)
- > suction tube ø 32 mm

Delivery content without bucket.

150000 BMP 16

- > heavy-duty manual grease pump for high output
- 3 alternative lever positions for different outputs: 10 g (0,35 oz), 15g (0,50 oz), 20 g (0,70 oz)
- > suitable for greases up to consistency class NGLI 2 and oils
- maximum pressure range between 80 bar (1.160 psi) and 200 bar (2.900) psi depending on lever position
- > including robust and stable steel container
- > capacity 16 kg (565 oz)
- with 1,5 m high-pressure rubber hose with extension pipe and 4-jaw Profi-nozzle

Professional high-pressure foot-operated grease pumps

-) foot operated
- > suitable for high pressures
- > including high-pressure hose

Professional high-pressure foot-operated grease compressors "Serie WH" 41012

Professional high-pressure foot-operated grease pump **FHP** 157000





41012 WH 5 LP with 4 m greasing hose

41013 WH 5 LP with 7 m greasing hose

41014 WH 5 LP with 10 m greasing hose

41015 WH 5 DR with 4 m greasing hose

41016 WH 5 DR with 7 m greasing hose

41017 WH 5 DR with 10 m greasing hose

Characteristics

- > suitable for greases up to consistency class NLGI 2 and for oils (surcharge)
- > grease pistol with swivel and hose adaptor
- > safety high-pressure rubber hoses nom. diam. 6 are available in the standard lengths of 4 m, 7 m and 10 m
- prease follows by means of an air pump (WH 5 LP) or compressed air (WH 5 DR)
- > mobile
- > capacity 6,5 kg (230 oz)
- > working pressure max. 400 bar (5.800 psi)
- > bursting pressure 1.600 bar (23.200 psi)
- output 2 cm³/stroke (0,06 oz)

157000 FHP 7

- > suitable for greases up to consistency class
- > 5 kg-container with pedal and carrying handle
- > 2 m high-pressure rubber hose with 4-jaw Profi-nozzle
- > working pressure approx. 500 bar (7.250 psi)
- output 2 cm³/stroke (0,06 oz)

Professional battery-operated grease guns

- > battery-operated grease guns with two Li-ION 18 V-batteries
- > robust plastic case
- > 400 bar working pressure

Rechargeable grease gun "AFP-S 500" 160101400

Rechargeable grease gun "AFP 500-PAT" 160101401

Accessories and spare parts 169009







160101400 "AFP-S 500" with two Li-ION 18 V-batteries

160103400 "AFP-S 500" with one Li-ION 18 V-batterie

Characteristics

- > high-pressure hose 1.000 mm (39 inch) with 4-jaw Profi-nozzle
- one or two powerful 18 V rechargeable batteries 1.500 mAh (Li-ION)
- > two-way loading with 400 g (14 oz) grease cartridges (DIN 1284) or bulk grease
- > express recharger charging time 60 min
- working pressure 400 bar (5.800 psi)
- output approx. 100 cm³/min (3,5 oz) against 0 bar
- > capacity 500 cm3 (17,5 oz) / 400 g (14 oz)

Advantages of Li-ION batteries:

- > faster loading times
- > longer lifetime
- > less weight

160101401 "AFP 500 PAT" with two Li-ION 18 V-batteries

160103401 "AFP 500 PAT" with one Li-ION 18 V-batterie

Characteristics

- > high-pressure hose 1.000 mm (39 inch) with 4-jaw Profi-nozzle
- one or two powerful 18 V rechargeable batteries 1.500 mAh (Li-ION)
- > clean and quick filling with eco-friendly 500 g (17,5 oz) screw-in cartridges
- > prefilled, ready for use
- > express recharger charging time 60 min
- working pressure 400 bar (5.800 psi)
- output approx. 100 cm³/min (3,5 oz) against 0 bar

Advantages of Li-ION batteries:

- > faster loading times
- > longer lifetime
- > less weight

Batteries 169009 Battery for AFP-S 500 Li-ION

Characteristics

- > voltage 18 V
- capacity 1.500 Ah

Chargers

169011 Charger for Li-ION-Akku

Characteristics

- input voltage 230 V, 50 Hz, 32 W
- output voltage 18V
- > 1 h-battery-recharging

Hoses

169012 High-pressure hose,

1.000 mm/39 inch

Extension pipes

40517 Extension pipe 150/NPT, straight 40518 Extension pipe 103/NPT, straight with 4-jaw Profi-nozzle

Professional air-operated grease guns

- > practical one-hand operation
- > controlled grease dispensing by single action 1 cm³/stroke (0,03 oz) at 400 bar (5.800 psi)
- \rightarrow air pressure 2 6 bar (29 87 psi)
- pressure ratio 1:60
- connecting thread 1/8" BSP = G 1/8"

"DFP 500" 10205/10206 "DFP 1000" 10210/10211





10205 "DFP 500" D

with extension pipe 103/BSP with 4-jaw Profi-nozzle

10206 "DFP 500" G

with safety high-pressure rubber hose 110/BSP with 4-jaw Profi-nozzle

Characteristics

- > display carton
- > three-way loading with filler pump FG, 400 g (14 oz) grease cartridges (DIN 1284) or bulk grease
- > capacity 500 cm³ (17 oz)/400 g (14 oz)

10210 "DFP 1000" D

with extension pipe 103/BSP with 4-jaw Profi-nozzle

10211 "DFP 1000" G

with safety high-pressure rubber hose 110/BSP with 4-jaw Profi-nozzle

- > display carton
- > two-way loading with filler pump FG or bulk grease
- > capacity 1.000 cm³ (34 oz)/800 g (28 oz)
- > grease follows by compressed air

Professional air-operated greasing unit 'Schmiermeister"

- > presupply system for safe delivery of long-time greases
- > air-operated greasing units "Schmiermeister" you can use stationary or mobile with trolley, with high-pressure rubber hoses with 4, 7 or 10 m length
- > including pressure reducer and drain valve for less wear and long lasting
- > including 2" BSP adaptor for barrels

"Schmiermeister" - "Serie PM" stationary 40032

"Schmiermeister" - "Serie PM" mobile 40531





40032 PM 15/18 stationary with 4 m hose 40043 PM 15/18 stationary with 7 m hose **40047 PM 15/18 stationary** with 10 m hose

40406 PM 20 stationary with 4 m hose 40407 PM 20 stationary with 7 m hose 40410 PM 20 stationary with 10 m hose

40336 PM 25 stationary with 4 m hose 40346 PM 25 stationary with 7 m hose 40351 PM 25 stationary with 10 m hose

40458 PM 50 stationary with 4 m hose

40478 PM 50 stationary with 7 m hose 40495 PM 50 stationary with 10 m hose

40541 PM 200 stationary with 4 m hose 40555 PM 200 stationary with 7 m hose 40568 PM 200 stationary with 10 m hose

40611 + 501300 PM 200 stationary with 10 m hose

on a hose reel and with connecting hose

40260 PM 15/18 mobile with 4 m hose **40261 PM 15/18 mobile** with 7 m hose

40265 PM 15/18 mobile with 10 m hose

40411 PM 20 mobile with 4 m hose

40415 PM 20 mobile with 7 m hose

40428 PM 20 mobile with 10 m hose

40361 PM 25 mobile with 4 m hose

40365 PM 25 mobile with 7 m hose

40383 PM 25 mobile with 10 m hose

40531 PM 50 mobile with 4 m hose

40536 PM 50 mobile with 7 m hose

40537 PM 50 mobile with 10 m hose

40574 PM 200 mobile with 4 m hose

40576 PM 200 mobile with 7 m hose

40581 PM 200 mobile with 10 m hose

40219 + 501300 PM 200 mobile with 10 m hose

on a hose reel and with connecting hose

- > high output achieved by pressure ratio 1:55 and safety high-pressure rubber hoses with large inner diameter
- > suitable for oils and greases up to consistency class NLGI 2, also for biological greases
- of follower plate, steel dust cover and high-pressure grease pistol with professional z-swivel with ball bearing, for easy use also under pressure
- air inlet 1/4" BSP
- > grease outlet thread 1/4" BSP
- air pressure min. 3 bar (43 psi), max. 10 bar (143 psi)
- > working pressure max. 400 bar (5.800 psi)
- > capacity approx. 550 g/min with free discharge at 7 bar (100 psi)
- > suction tube diameter 28 mm above, 41 mm below

Professional airoperated filler pumps for centralized lubrication

- > suitable for greases of consistency classes up to NLGI 2
- > for all commercial grease kegs

Air-operated filler pumps DPZ-2 for centralized lubrication systems 09847/09844



Without trolley

41076 DPZ-2/18

09847 DPZ-2/25

09848 DPZ-2/50

09849 DPZ-2/200

With trolley

41067 DPZ-2/18 mobile

09844 DPZ-2/25 mobile

09843 DPZ-2/50 mobile

09850 DPZ-2/200 mobile

Characteristics

- > included: maintenance unit for less wear and long lasting
- > follower plate, dust cover, 2 m grease hose nom. diam. 16, 3/4" BSP, ball valve and self-closing quick coupler
- output 700 g/min at 6 bar (87 psi)
- > middle-pressure pump with pressure ratio 1:10
- air pressure min. 2 bar (29 psi), max. 7 bar (100 psi)
- > suction tube diam. 38 mm

Delivery content without bucket.

01 GREASE

Professional manual filler pumps for centralized lubrication

- > suitable for all greases up to consistency class NLGI 2 (also soft greases)
- of for all commercial grease kegs

Professional manual filler pumps "Serie FGZ plus" 40673 / 40445

Filler pump FGZ Combi plus 08761





Without trolley

40653 FGZ plus 5

40784 FGZ plus 10

40400 FGZ plus 12.5

40671 FGZ plus 15/18

40673 FGZ plus 20

40675 FGZ plus 25

40683 FGZ plus 50

40551 FGZ plus 200

With trolley

40444 FGZ plus 10 mobile

40445 FGZ plus 15/18 mobile

40446 FGZ plus 20 mobile

40447 FGZ plus 25 mobile

40448 FGZ plus 50 mobile

41403 FGZ plus 15/18 mobile with special follower plate (foam ring)

Characteristics

- > works also at temperatures as low as -20° C
- > extremely high suction capacity due to an especially adjusted lift of stroke and increased suction and valve openings
- > robust and wear resisting by reinforced steel lever
- only low operating force (11 16 kp) required
- > follower plate, dust cover, 2 m polyamide grease hose nom. diam. 16, nylon reinforced, self-closing quick coupler 3/8" BSP = G 3/8"
- > output approx. 30 cm³/stroke (1 oz)
- > suction tube diam. 40 mm

Without trolley

40662 FGZ Combi plus 15/18

08761 FGZ Combi plus 25

08765 FGZ Combi plus 50

With trolley

40449 FGZ Combi plus 25 mobile 40450 FGZ Combi plus 50 mobile

- > see description for FGZ plus
- > for centralized lubrication systems and centralized lubrication systems
- > follower plate, dust cover and combi connector with ball valve, 2 m polyamide grease hose nom. diam. 16, nylon reinforced, self-closing quick coupler 3/8" BSP = G 3/8"

Accessories for FGZ plus, FGZ Combi plus and DPZ

- > filling tubes
- > couplers
- > filler guns
- > retrofit kits
- > hoses
- > filler adaptors

Filling tube 40098

Couplers and accessories 80431/80317/80316

Filler gun FPZ for centralized lubrication systems 40534







For refilling of grease containers of centralized lubrication systems

40098 Filling tube with coupler plug for FGZ/DPZ 80332 Coupler socket

for 1/4" BSP = G 1/4" (f) with protection cap

80316 Coupler socket

for 3/8" BSP = G 3/8" (f) with protection cap

80333 Coupler plug

for 1/4" BSP = G 1/4" (f)

80317 Coupler plug

for 3/8" BSP = G 3/8" (f) with protection cap

80185 Double nipple 1/4" BSP = G 1/4"

80431 Reduction piece

3/8" BSP = G 3/8"

to 1/4" BSP = G 1/4"

40534 FPZ 500

41285 FPZ 500

with 0,4 m hose and coupling

Characteristics

- > for quick and clean "off-site" filling of centralized lubrication systems for trucks, construction and agricultural machinery
- > suitable for standard 500 cm³ (17 oz)/400 g (14 oz) grease cartridges (DIN 1284)
- > protection cap
- > made of zinc-plated precision steel, robust and durable
- with special rubber packing for 400 g (14 oz) grease cartridges
- > extra-large piston knob for safe handling
- > capacity 500 cm³ (17 oz)

Retrofit kit 40005



Alternative hose 40258



Filler adaptor for filler gun **FPZ** 40154





40005 Retrofit kit

for converting FGZ into FGZ Combi plus, consisting of T-piece with filler plug and ball valve

For higher flow rate 40258 FGZ 2 m polyamide hose nom. diam. 16, nylon reinforced,

with FPZ connector and protection cap

40153 M20 x 1,5 with protection cap

40154 M22 x 1,5 with protection cap

40781 M26 x 1,5

Professional manual filler pumps for grease guns

- > suitable for greases up to consistency class NLGI 2 (also soft greases, biological lubricants and long-time greases with adhesive properties)
- > for all commercial grease kegs
- > clean, economic, air-free refilling

Manual filler pumps FG plus 08251

Manual filler pumps FG plus mobile 40390





08053 FG plus 5 follower plate Ø 171 – 200 mm **08101 FG plus 10** follower plate Ø 215 – 230 mm **40369 FG plus 12.5** follower plate Ø 215 – 266 mm **08151 FG plus 15/18** follower plate Ø 255 – 282 mm **08201 FG plus 20** follower plate Ø 275 – 300 mm **08251 FG plus 25** follower plate Ø 300 – 335 mm **08501 FG plus 50** follower plate Ø 355 – 387 mm **40530 FG plus 200** follower plate Ø 545 – 586 mm

Characteristics

- > improved suction capacity by a longer lift of stroke and increased suction and valve openings
- > solid and wear resisting by reinforced steel lever
- > complete emptying of grease keg due to special follower plate
- > dust cover and filler tube for European standard grease guns
- > suction tube diam. 40 mm
- output approx. 50 cm³/stroke

40387 FG plus 10 mobile 40388 FG plus 15/18 mobile 40389 FG plus 20 mobile 40390 FG plus 25 mobile 40392 FG plus 50 mobile

- > improved suction capacity by a longer lift of stroke and increased suction and valve openings
- > solid and wear resisting by reinforced steel lever
- > complete emptying of grease keg due to special follower plate'
- dust cover and filler tube for European standard grease guns
- > suction tube diam. 40 mm
- > output approx. 50 cm³/stroke
- > with trolley

Accessories for filler pumps "Serie FG plus"

- > filling adaptors
- > filling plates

Filler tube adaptor for American standard grease guns 40548

Filler plate 11101

Filling adaptor for screw-in catridges 40542



40548 Filler tube adaptor with chain and protection cap for American standard grease guns

Characteristics

- > makes your filler pump not only compatible to European standard grease guns, but also to American standard grease guns
- > safely stored in rubber cap when not in use



11101 Filler plate 150

- > attachment plate for FG plus
- of professional push-type grease guns and professional one-hand grease guns "PEP 100"



40699 FG/PAT 100

for 100 g screw-in catridges

40542 FG/PAT 500

for 500 g screw-in catridges

- > helps avoiding waste due to refilling
- > fast, clean, without air pockets
- > cost-saving
- > easy handling

Professional manual filler pumps for bearings

Accessories for filler pumps "Serie FGL plus"

Manual filler pumps FGL plus 40427

Bearing plate 11102





40427 FGL plus 20

40435 FGL plus 50

- > improved suction capacity by a longer lift of stroke and increased suction and valve
- > solid and wear resisting by reinforced steel
- > clean, economic, air-free refilling
- > complete emptying of grease keg due to special follower plate
- > with dust cover and filler tube with bearing plate
- > for bearings up to 18 cm outer diameter, minimum inner diameter 1,5 cm
- > suction tube diam. 40 mm
- > for all commercial grease kegs
- > suitable for greases up to consistency class NLGI 2 (also soft greases)
- > output approx. 50 cm³/stroke (1,7 oz)

Delivery content without bucket.

11102 Bearing plate

Characteristics

> wheel bearing filling device for clean and quick refilling of roller bearings up to 18 cm outer diameter, minimum inner diameter

Trolleys for filler pumps and greasing units

- > steel frame, powder coated
- > floor open or closed

Trolleys without accessories 431001/431000/81043



431001 Trolley for 50 kg/50-60 l kegs,

floor open, with 2 wheels and two height-adjustable hooks

431000 Trolley for 50 kg/50-60 l kegs,

floor open, with 4 wheels and two height-adjustable hooks

81043 Trolley for 10-50 kg/10-60 l kegs,

floor closed, with 2 wheels and height-adjustable pump holder, 405 mm length, prevents the overflow of the barrel

432000 Trolley for 185 kg/200 l barrels,

floor open, with 2 tyred wheels in front and one wheel with rear brake

432100 Drum trolley for 200 I barrels

with 2 wheels

81222 Drum dolly for 60 / 200 I barrels

made of steel, with 4 wheels, load capacity per wheel min. 75 kg (total 300 kg)

Delivery content without barrel.

Trolleys with accessories 432814/40491



432814 Trolley for 185 kg/200 l barrels, floor closed, with 2 tyred wheels in front and one swivelling rubber wheel with rear brake

40491 Trolley for 185 kg/200 l barrels, floor closed, with 2 tyred wheels in front and 2 swivelling rubber wheels with rear brake

Accessories for professional lever grease guns

-) grease packs and catridges
- > extension pipes and hoses
- > adaptors
- > hook-on kit
- > filler nipple

60 g (2,1 oz) grease cartridge and grease pack 04082/04085

100 g (3,5 oz) screw-in grease cartridge 40144

400 g (14 oz) standard grease cartridge (DIN 51825) 01901







04082 Grease pack GP 1

- > 60 g (2,1 oz) grease pack
- > filled with multiple purpose grease EP-Lithum/ Calcium, consistency class NLGI 0

04085 Grease cartridge PAT 60 41399 Refill kit with 5 units of PAT 60

- > 60 g (2,1 oz) grease cartridge
- > filled with lithium base multi-purpose grease, consistency class NLGI 2
- > for clean and quick filling of professional push-type grease guns "F 60" and "K 60"

40144 Grease cartridge PAT 100 filled with multi-purpose grease 40357 Refill kit with 4 units of PAT 100

- > 100 g (3,5 oz) screw-in cartridge
- > filled with lithium base multipurpose grease consistency class NLGI 2
- > for clean and guick filling of professional one-hand grease guns "PEP 200" and push-type grease guns "K 100"

01901 Grease cartridge PAT 400 81908 Grease cartridge PAT 400 EP2 81093 Grease catridge PAT 400 graphite

- > filled with lithium base multi-purpose grease, consistency class NLGI 2
- > suitable for
 - lever grease guns "X-TRA 701"
 - lever grease guns "X-TRA 600"
 - lever grease guns "X-TRA 709"
 - lever grease guns "Variomatic" special
 - one-hand grease guns "PEP 500"
 - pneumatic grease guns "DFP 500"
 - rechargeable grease guns "AFP 500" Econo plus

Screw-in cartridge PAT 500 82049



82049 Screw-in cartridge PAT 500

- > 500 g (17,5 oz) screw-in cartridge, suitable for
- Professional two-hand grease gun PZP
- Professional one-hand grease gun PEP 500 VARIO PAT
- Battery grease gun AFP 500 PAT
- > filled with lithium base multiple purpose grease, consistency class NLGI 2

I GREASE

Accessories for professional lever grease guns

- > grease packs and catridges
- > extension pipes and hoses
- > adaptors
- > hook-on kit
- > filler nipple

Bent extension pipes with nozzle 02007 / 02004 / 02002

Straight extension pipes with nozzle 02014/02006/02003

Extension pipes with nozzle and quick coupler 11501/11502/11503/11504/ 11505/40201









02007 103/M with 4-jaw Profi-nozzle (tested by DLG) **02037 103/BSP** with 4-jaw Profi-nozzle

02004 102/M with pointed nozzle 02034 102/BSP with pointed nozzle

02002 101/M with all-purpose nozzle 02032 101/BSP with all-purpose nozzle

Characteristics
> 150 mm (6 inch)

Bent extension pipes without nozzle 40132 / 40131

40132 150/M, bent 40131 150/BSP, bent

02014 103/M

with 4-jaw Profi-nozzle (tested by DLG)

02042 103/BSP
with 4-jaw Profi-nozzle

40518 103/NPT
with 4-jaw Profi-nozzle

02006 102/M with pointed nozzle 02036 102/BSP with pointed nozzle

02003 101/M with all-purpose nozzle 02033 101/BSP with all-purpose nozzle

Characteristics
> straight, 150 mm (6 inch)

Straight extension pipes without nozzle 40001/40002/40517

40001 150/M, straight 40002 150/BSP, straight 40517 150/NPT, straight 11501 2010 with all-purpose nozzle11502 2020 with pointed nozzle11503 2060 with cardan and propeller shaft nozzle

40201 SWK with double-nozzle for hydraulic and cup-shaped grease fittings

11504 2070/M 1 with hook-on coupler for standard button-head grease fittings Ø 16 mm 40316 2070/M 1 with hook-on coupler for standard button-head grease fittings Ø 16 mm, 8 mm sealing cone

11505 2070/M 22 with hook-on coupler for giant button-head grease fittings ø 22 mm 40378 2070/M22 with 150/M, bent with hook-on coupler for standard button-head grease fittings ø 22 mm, 6 mm sealing cone 40508 2070/M22 with 150/M, bent with hook-on coupler for standard button-head grease fittings ø 22 mm, 8 mm sealing cone 41283 2070/M22 with 60/M, bent with hook-on coupler for standard button-head grease fittings ø 22 mm, 4 mm sealing cone 41284 2070/M22 with 60/M, straight with hook-on coupler for standard button-head grease fittings ø 22 mm, 8 mm sealing cone 40701 2070/M22 with 60/M, bent with hook-on coupler for standard button-head grease fittings ø 22 mm, 8 mm sealing cone

- > fast change of accessory
- > no unscrewing required

Adaptors with needle nozzles 80986 / 80987

Adaptors with needle nozzles and quick coupler 80643/80714/80618/80619

Adaptor set 40729



with needle nozzle (35,5 mm, ø 10 mm)

with needle nozzle (35,5 mm, ø 4 mm)

1/8" BSP, total length 60 mm

and quick coupler

and rubber tip 1/8" BSP, total length 50 mm

Adaptors with needle nozzles



with injector needle nozzle (23 mm, ø 2 mm) and quick coupler, total length 60 mm

80714 Adaptor

with injector needle nozzle (45 mm, ø 1,4 mm) and quick coupler, total length 60 mm

80618 Adaptor

with needle nozzle (21 mm, ø 6 mm) and quick coupler, total length 51 mm

80619 Adaptor

with needle nozzle (21 mm, ø 6 mm), angled 45° and quick coupler, total length 51 mm



40729 Adaptor set

Characteristics

- of:
- 4-jaw Profi-nozzle for hydraulic grease fittings
- pointed nozzle 23/M for hydraulic grease fittings
- all-purpose nozzle 36/M for hydraulic grease fittings
- \rightarrow connecting thread M = M 10 x 1

Accessory set M 10 x 1 41271



81003 Adaptor

80986 Adaptor

80987 Adaptor

81003

with injector needle nozzle (40 mm, ø 1,6 mm) and quick coupler, total length 54 mm, incl. protection sleeve



41271 Accessory set M 10 x 1

- > consistign of:
- 4-jaw Profi-nozzle 120/M
- pointed nozzle M 10 x 1 with leather seal
- all-purpose nozzle M 10 x 1 with leather seal
- extension pipe 150/M, 150 mm (6 inch) length, bent
- high-pressure rubber hose KS 300, 300 mm (12 inch) lenght, bursting pressure 1.000 bar (12.500 psi)

Accessories for professional lever grease guns

-) grease packs and catridges
- > extension pipes and hoses
- > adaptors
- > hook-on kit
- > filler nipple

Safety high-pressure rubber hoses without nozzle 02601/02607/80487

Safety high-pressure rubber hoses with nozzle 02501/40347/02506/02508 Safety high-pressure rubber hoses with nozzle 02503/40441/02510/02512







300 mm (12 inch)

02601 PZ 300/M 02631 PZ 300/BSP

81605 PZ 300/NPT

500 mm/20 inch

02607 PZ 500/M

02637 PZ 500/BSP

81606 PZ 500/NPT

1.000 mm/39 inch

80487 PZ 1000/M 80488 PZ 1000/BSP

Characteristics

- > high operational safety, bursting pressure 1.600 bar (23.200 psi)
- > double-ply wire braid hose with identification
- > safety tested according to DIN 1283 $(M 10 \times 1)$
- > very flexible
- diameter 13 mm

300 mm (12 inch)

02501 110/M with 4-jaw Profi-nozzle (tested by DLG)

02531 110/BSP with 4-jaw Profi-nozzle 40734 110/NPT with 4-jaw Profi-nozzle

40347 114/M with hook-on coupler M 4 for button-head grease fittings ø 10 mm 40440 114/BSP with hook-on coupler M 4 for button-head grease fittings ø 10 mm

02506 112/M with hook-on coupler M 1 for button-head grease fittings ø 16 mm 02536 112/BSP with hook-on coupler M 1 for button-head grease fittings ø 16 mm

02508 1120/M with hook-on coupler M 22 for button-head grease fittings ø 22 mm **02538 1120/BSP** with hook-on coupler M 22 for button-head grease fittings ø 22 mm

Characteristics

- > high operational safety, bursting pressure 1.600 bar (23.200 psi)
- > double-ply wire braid hose with identification
- > safety tested according to DIN 1283 $(M 10 \times 1)$
- > very flexible
- diameter 13 mm

500 mm/20 inch

02503 111/M with 4-jaw Profi-nozzle (tested by DLG)

02533 111/BSP with 4-jaw Profi-nozzle

40441 115/M with hook-on coupler M 4 for button-head grease fittings ø 10 mm 40442 115/BSP with hook-on coupler M 4 for button-head grease fittings ø 10 mm

02510 113/M with hook-on coupler M 1 for button-head grease fittings ø 16 mm **02540 113/BSP** with hook-on coupler M 1 for button-head grease fittings ø 16 mm

02512 1130/M with hook-on coupler M 22 for button-head grease fittings ø 22 mm **02542 1130/BSP** with hook-on coupler M 22 for button-head grease fittings ø 22 mm

1.000 mm/39 inch

02505 1110/M with 4-jaw Profi-nozzle 40318 1110/BSP with 4-jaw Profi-nozzle

- > high operational safety, bursting pressure 1.600 bar (23.200 psi)
- > double-ply wire braid hose with identification
- > safety tested according to DIN 1283 (M 10 x 1)
- > very flexible
- diameter 13 mm

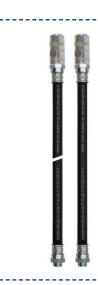
Safety high-pressure rubber hoses with nozzle and quick coupler 02423/02425

High-pressure hoses without nozzle 02801/02803

High-pressure hoses with nozzle 02701/02703







300 mm (12 inch)

02423 2200 with 4-jaw Profi-nozzle 02425 2210/M 1 with hook-on coupler M 10 x 1

for standard button-head grease fittings

02426 2210/M 22 with hook-on coupler M 22 for giant button-head grease fittings ø 22 mm

500 mm/20 inch

40823 2500 with 4-jaw Profi-nozzle and hook-on coupler M 10 x 1

Characteristics

- > fast change of accessory
- > no unscrewing required
- > high operational safety, bursting pressure 1.600 bar (23.200 psi)
- > double-ply wire braid rubber hose
- > very flexible
- diameter 13 mm

Swivel fitting 02640

02640 640/M 02641 640/BSP

Characteristics

- > for safety high-pressure rubber hoses and high-pressure hoses
- > turning around longitudinal axle

300 mm (12 inch)

02801 KS 300/M 02831 KS 300/BSP 81397 KS 300/NPT

500 mm/20 inch

02803 KS 500/M 02833 KS 500/BSP 82061 KS 500/NPT

1.000 mm/39 inch 81295 KS 1000/M

Characteristics

- > bursting pressure 1.000 bar (14.500 psi)
- > double-ply textile thermoplastic hose
- > identification according to DIN 1283 $(M 10 \times 1)$
- diameter 10 mm

High-pressure hoses without nozzle Econo plus 81944

300 mm (12 inch)

81944 KS-E 300/M Econo plus

Characteristics

- > bursting pressure 1.000 bar (14.500 psi)
- > single-ply textile braid polyethylene hose
- > identification according to DIN 1283 (M 10 x 1)
- diameter 9,0 mm

300 mm (12 inch)

02701 910/M with 4-jaw Profi-nozzle 02731 910/BSP with 4-jaw Profi-nozzle **40628 910/NPT** with 4-jaw Profi-nozzle **02738 9120/R** with hook-on coupler M 22

500 mm/20 inch

02703 911/M with 4-jaw Profi-nozzle 02733 911/BSP with 4-jaw Profi-nozzle **40475 9130/BSP** with hook-on coupler M 22

- > bursting pressure 1.000 bar (14.500 psi)
- > double-ply textile braid polyethylene hose
- > identification according to DIN 1283 (M 10 x 1)
- diameter 10 mm

Accessories for professional lever grease guns

-) grease packs and catridges
- > extension pipes and hoses
- > adaptors
- > hook-on kit
- › filler nipple

Professional hook-on kit SWS 07991

Accessories kit trade / accessories kit industry 41272 / 41273







07991 SWS

Characteristics

- > in solid plastic box with oil-proof insert
- > content:
- 1 x extension pipe 103/M, straight, with 4-jaw Profi-nozzle
- 2 x 4-jaw Profi-nozzles 120/M
- 1 x hook-on high-pressure rubber hose 2200
- 1 x hook-on extension pipe with hook-on coupler 2070/M 1
- 1 x hook-on extension pipe with double nozzle
- 1 x adaptor with 1/8" BSP (f) and M 10 x 1 (m) thread

41272 Accessories set trade

content 75 Profi-nozzles, 11 different types (see table)

41273 Accessories set industry

content 33 Profi-nozzles, 8 different types (see table)

CONTENT	TRADE	INDUSTRY
07122 4-jaw Profi-nozzle 120/M	24	12
81486 4-jaw Profi-nozzle 120/M with ball check valve	8	
07131 angled nozzle 90°/M	3	
07402 hook-on coupler 121/M	4	2
07422 hook-on coupler 12/M	4	1
07412 hook-on coupler 1210/M	2	1
07012 pointed nozzle 23/M 10 x 1	5	5
07042 all-purpose nozzle 36 / M 10 x 1	5	5
02640 swivel fitting 640/M	5	2
80522 quick coupler SWK/M		5
65001 filling nipple 929/M	10	5

4-jaw Profi-nozzles 07122/07131

Other nozzles 07012/07042

Hook-on couplers 07422 / 80451 / 80644





07122 120/M 07123 120/BSP 07124 120/NPT

07131 Angled nozzle 90°/M 40459 Angled nozzle 90°/BSP

Characteristics

- for lubricating hydraulic grease fittings (DIN 71412)
- 4 jaws turned out of a single piece of highly elastic quality steel forming a circle to ensure precise coupling and consistent jaw alignment with every use
- durable elastic interior plug and high-performance spring for leak-proof operation
- case-hardened steel jaws and upper part of coupler for less wear and more durability
- > working pressure 400 bar (5.800 psi)
- > bursting pressure 1.600 bar (23.200 psi)





As accessories for push-type grease guns series F (except F60), FO and T 07011 23/M 9x1 pointed nozzle for cup-shaped grease fittings 80366 23/M 9x1 extra-pointed nozzle for e.g. sprocket noses on saw chains 07041 36/M 9x1 all-purpose nozzle for hydraulic grease fittings

As accessories for all other grease guns 07012 23/M 10 x 1 pointed nozzle for cup-shaped grease fittings 07013 23 1/8" BSP pointed nozzle for cup-shaped grease fittings 07042 36/M 10 x 1 all-purpose nozzle for hydraulic grease fittings 07043 36 1/8" BSP all-purpose nozzle for hydraulic grease fittings







07422 12/M hook-on coupler for button-head grease fittings M4, Ø 10 mm **07423 12/BSP** hook-on coupler for button-head grease fittings M4, Ø 10 mm

07402 121/M hook-on coupler for standard button-head grease fittings M1, Ø 16 mm **07403 121/BSP** hook-on coupler for standard button-head grease fittings M1, Ø 16 mm

80451 122/BSP hook-on coupler, turnable, for giant button-head grease fittings M16, Ø 16 mm

07412 1210/M hook-on coupler for giant button-head grease fittings M22, ø 22 mm, conical sealing nipple 8 mm

07413 1210/BSP hook-on coupler for giant button-head grease fittings M22, Ø 22 mm, conical sealing nipple 8 mm

80644 1210/BSP hook-on coupler for giant button-head grease fittings M22, Ø 22 mm, conical sealing nipple 4 mm

4-jaw Profi-nozzle with check valve



81486 120/M with ball check valve **121020 120/NPT** with ball check valve

Characteristics

- for lubricating hydraulic grease fittings (DIN 71412)
- > spring-loaded check valve
- avoid flowing-back of grease

Filler nipple for professional lever grease guns 65001



65001 Filler nipple 929/M with spring

- as spare part for "X-TRA 701", "X-TRA 600", "PEP 500", "DFP 500" and "DFP 1000"
- \rightarrow connecting thread M = M 10 x 1

Grease gun holder 80707



80707 Grease gun holder

- of for wall mounting of grease guns
- > corrosion-resistant finish

Accesories for filler pumps and greasing units

- preasing hoses and hose reels
- > greasing pistols
- > extension pipes
- > flow meters
- > follower plates and dust covers
- > maintenance unit

Safety greasing hoses for HDS and WH 11374/40008

Automatic Single arm hose reels for grease 506300/507300





11374 HDS 570 4 m 11376 HDS 570 7 m 11377 HDS 570 10 m

Characteristics

- > bursting pressure 1.600 bar (23.200 psi)
- > working pressure 400 bar (5.800 psi)
- > increased inside diameter, nom. diam. 6
- > connecting thread to pistol and pump 1/4" BSP = G 1/4" (f)

For WH-units please order hose adaptor: 40008 Hose adaptor WH

connecting thread 1/4" BSP = G 1/4" (f)/M 16 x 1,25 (f)

Open version

506300 Automatic Single arm hose reel

with 10 m delivery hose, nom. diam. 1/4" BSP = G 1/4"

506321 Automatic Single arm hose reel

with 15 m delivery hose, nom. diam. 3/8" BSP = G 3/8"

Compact version

507300 Automatic Single arm hose reel

with 10 m delivery hose, nom. diam. 1/4" BSP = G 1/4"

507321 Automatic Single arm hose reel

with 15 m delivery hose, nom. diam. 3/8" BSP = G 3/8"

Characteristics

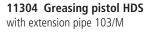
- professional Single arm automatic hose reel, open or cased version, made of corrosion-proof die-cast aluminium
- > friction-free pressure-balanced swivels for all applications contribute to a smooth operation when pulling the entire hose length
- > full 1/2" port swivel provides unrestricted flow for maximum delivery
- > swivel and shaft are nickel coated for a wide fluid compatibility
- > spool mounted on two ball bearings to reduce frictions and to assure a stable structure with no wobbling
- > tangent outlet with six rollers for a smooth operation in any mounting position
- > dual ratchet teeth provide positive and secure hose latch
- > fully accessible swivel and latch mechanism for service eliminate the need to dismount the hose reel for service
- > positionable arm for best operation in any mounting position: wall, ceiling, floor or trolley
- > inlet thread 1/4" BSP (f/m) or 3/8" BSP (f/m), outlet thread 1/4" BSP (m)
- > working pressure 350 bar/5.000 psi (1/4" hose), 290 bar/4.000 psi (3/8" hose)
- > double-ply wire-braid greasing hose nom. diam. 1/4" BSP = G 1/4" and connecting hose

Greasing pistol HDS 11304

Extension pipes and hoses with nozzle for HDS and WH 02007/02501/02701

Professional z-swivel for greasing pistols 414300400





40373 Greasing pistol HDS 550 with extension pipe 103/M and Z-swivel

Characteristics

- > ergonomic and robust constructed
- > continuous flow of grease by actuating the lever
- connecting thread 1/4" BSP = G 1/4"(M)



02007 103/M Extension pipe with 4-jaw Profi-nozzle **02701 910/M** High-pressure hose with 4-jaw Profi-nozzle **02501 110/M** Safety high-pressure rubber hose with 4-jaw Profi-nozzle

Characteristics

onnecting thread M 10 x 1



414300400 Z-swivel

80185 Double nipple 1/4" BSP = G 1/4"

Characteristics

- connecting thread 1/4" BSP = G 1/4" (m)
- > with ball bearing for smooth operation also under pressure

Accesories for filler pumps and greasing units

- preasing hoses and hose reels
- > greasing pistols
- > extension pipes
- > flow meters
- > follower plates and dust covers
- > maintenance unit

Electronic grease flow meter 40248/411100

Maintenance unit for HDS, DPZ-2 40888

Follower plate adaptor 40397







411100 Electronic in-line grease flow meter

for assembly G1/8" (f/f)

40783 Electronic grease flow meter with extension pipe and 4-jaw Profi-nozzle

103/BSP and with full swivel

40248 Electronic grease flow meter with safety high-pressure rubber hose and 4-jaw Profi-nozzle 110/BSP and with full swivel

Characteristics

- > exact control of dispensed grease in g
- resettable LCD display, 4 digits up to 9.999 g
- > display for total delivery in kg up to 999.999 kg for long term control of grease consumption
- > working pressure 500 bar (7.250 psi)
- bursting pressure 1.000 bar (14.500 psi)
- > maximum output up to 2 kg/min (70 oz)
- > measuring accuracy +/- 3%
- > easy on-site recalibration
- connecting thread 1/8" BSP = G 1/8" (f/f)
- > runs with two standard batteries

40888 Maintenance unit

Characteristics

- > protects against wearing
- > consisting of water separator, pressure reducer and oiler

40396 FD-A 28

- ø 28 mm suction tube diameter 40397 FD-A 30
- ø 30 mm suction tube diameter 40398 FD-A 32
- ø 32 mm suction tube diameter 40399 FD-A 35
- ø 35 mm suction tube diameter

Dust covers SD for filler pumps and manual greasing units 40918

Dust covers SDF for filler pumps with trolley 80018

Follower plates FD for filler pumps 80007







Suitable for following grease keg outside diameters:

40916 SD 5 Ø 160 mm – 212 mm **40917 SD 10-20** ø 240 mm - 300 mm **40918 SD 25** Ø 312 mm – 342 mm **40919 SD 50** Ø 365 mm – 415 mm **40920 SD 200** ø 570 mm – 625 mm

Suitable for following grease keg outside diameters:

80017 SDF 10-20 ø 240 mm - 310 mm **80018 SDF 25** ø 312 mm – 342 mm **80019 SDF 50** Ø 365 mm – 415 mm **80020 SDF 200** ø 570 mm – 625 mm

Suitable for following grease keg inside diameters:

80003 FD 5 for 5 kg grease kegs ø 156 mm – 206 mm **80004 FD 10** for 10 kg grease kegs ø 200 mm – 236 mm **80005 FD 15/18 special 1** for 15/18 kg

grease kegs ø 215 mm – 266 mm

80006 FD 15 for 15 kg grease kegs ø 240 mm – 288 mm

80007 FD 20 special 1 for 20 kg grease kegs ø 260 mm – 306 mm

80010 FD 20 – 25 for 20/25 kg grease kegs ø 285 mm – 341 mm

80008 FD 25 special 1 for 25 kg grease kegs ø 285 mm – 332 mm

80009 FD 40 special 1 for 40 kg grease kegs ø 285 mm - 356 mm

80011 FD 50 special 1 for 50 kg grease kegs ø 300 mm – 352 mm

80013 FD 50 for 50 kg grease kegs ø 340 mm – 393 mm

80014 FD 50 special 3 for 50 kg grease kegs ø 370 mm – 416 mm

80015 FD 200 for 180 kg grease barrels ø 545 mm – 586 mm

Handy-kit for dust cover 41296



41296 Handy-kit for dust cover

Characteristics

- > set consisting of
- fixing bracket dust cover
- wing nut M6 DIN 315
- cylinder screw M 6 x 14
- washer 6,4 DIN 9021

Accesories for filler pumps and greasing units

- preasing hoses and hose reels
- > greasing pistols
- > extension pipes
- > flow meters
- > follower plates and dust covers
- > maintenance unit

Dust cover for air-operated greasing units PM 418002

Follower plates for air-operated greasing units PM 417005





Suitable for following grease keg outside diameters:

418013 for 12,5 - 18 kg grease kegs

ø 265 mm - 310 mm

418002 for **20 kg** grease kegs

ø 285 mm – 330 mm

418004 for **50 kg** grease kegs

ø 360 mm - 405 mm

418006 for **180 kg** grease barrels

ø 565 mm – 610 mm

418026 for **180 kg** grease barrels

ø 580 mm – 620 mm

418016 for 50 kg grease barrels

ø 350 mm - 395 mm

360125 bracket for grease guns for dust cover PM

Suitable for following grease keg inside diameters:

417006 for **12,5 kg** grease kegs

ø 230 mm – 260 mm

417001 for **18 kg** grease kegs

ø 260 mm – 298 mm

417005 for **20 kg** grease kegs ø 300 mm - 340 mm

80012 for 25 kg grease kegs

ø 310 mm – 332 mm

417002 for **50 kg** grease kegs

ø 330 mm – 370 mm

417003 for **50 kg** grease kegs

ø 360 mm – 406 mm

417004 for **180 kg** grease barrels

ø 550 mm – 590 mm

- > reliability and precision for Original Equipment Manufacturers and after-sales market
- > high corrosion resistance (72 hours salt spray test)
- > RoHS compliance (trivalent chrome)
- > manufactured of precision steel, case hardened, zinc plated and blue (yellow) passivated (chrome III)

Hydraulic grease fittings (drive-fit type) according to DIN 71412

manufactured of precision steel, case hardened, zinc plated, blue (yellow) passivated (chrome III)

Straight 180° – type A 12110

Angled 45° – type B (hexagon type) 81027

Angled 45° - type B (square type) 12208



80690 H1 a 5 **12106** H1 a 6 **12108** H1 a 8

12110 H1 a 10

81966 H1 a 3/16" **12118** H1 a 1/4"

Special types

81892 H1 a 6, collar depth 8 mm

81648 H1 a 6, yellow passivated (chrome III),

81894 H1 a 6, shaft length 9,5 mm



81026 H2 a 6 **81027** H2 a 8

81028 H2 a 10

12206 H2 a 6 **12208** H2 a 8

Angled 90° - type C (hexagon type) 81019

Angled 90° - type C (square type) 12308



82143 H3 a 6 **81061** H3 a 8 **81019** H3 a 10



12306 H3 a 6 12308 H3 a 8

- > reliability and precision for Original Equipment Manufacturers and after-sales market
- > high corrosion resistance (72 hours salt spray test)
- > RoHS compliance (trivalent chrome)
- manufactured of precision steel, case hardened, zinc plated and blue (yellow) passivated (chrome III)

Hydraulic grease fittings according to DIN 71412 metric, with conical thread

manufactured of precision steel, case hardened, zinc plated, blue (yellow) passivated (chrome III)

Straight 180° – type A 12151



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12119 H1 M 5 x 0,8
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80909 H1 M 6 x 0,75 **12112** H1 M 6 x 1

81097 H1 M 8 x 0,75 **12131** H1 M 8 x 1

12133 H1 M 8 x 1,25

12151 H1 M 10 x 1 **81197** H1 M 10 x 1,25 **12152** H1 M 10 x 1,5

81272 H1 M 12 x 1 **80634** H1 M 12 x 1,25

12172 H1 M 12 x 1,5 **80702** H1 M 12 x 1,75

80692 H1 M 14 x 1,5

81216 H1 M 16 x 1,5

Special types

81867 H1 M 5 x 0,5, thread length 2,8 mm **81056** H1 M 5 x 0,8, thread length 2,6 mm, cylindrical thread, not case hardened

81118 H1 M 6 x 0,75, cylindrical thread

81677 H1 M 6 x 1, yellow passivated (chrome III)

81656 H1 M 6 x 1, thread length 4 mm, yellow passivated (chrome III)

12114 H1 M 6 x 1, total length 23 mm

81008 H1 M 6 x 1, total length 28 mm

81731 H1 M 6 x 1, hexagon 9 mm

81893 H1 M 6 x 1, hexagon 9 mm, collar depth 8 mm

80379 H1 M 6 x 1, with 32 mm-prolongation

12113 H1 M 6 x 1, shaft length 3,5 mm

81794 H1 M 6 x 1, hexagon 11, shaft length 5 mm

80681 H1 M 6 x 1, cylindrical thread

80978 H1 M 6 x 1, cylindrical thread, nickel plated

12115 H1 M 6 x 1, cylindrical thread, thread length 8 mm

80550 H1 M 6 x 1, cylindrical thread, flush type, thread length 8 mm

81577 H1 M 6 x 1, cylindrical thread, flush type,

thread length 8 mm, not case hardened

80902 H1 M 6 x 1, cylindrical thread, nickel plated,

thread length 8,5 mm

81005 H1 M 6 x 1, unmounted (without ball and spring)

81015 H1 M 7 x 1, hexagon 9 mm

81569 H1 M 7 x 1, hexagon 9 mm (without ball and spring)

81748 H1 M 7 x 1, hexagon 7 mm (without ball and spring)

81854 H1 M 8 x 1, yellow passivated (chrome III)

12132 H1 M 8 x 1, thread length 4 mm

81301 H1 M 8 x 1, hexagon 11 mm

40834 H1 M 8 x 1, with 30 mm-prolongation

81855 H1 M 8 x 1,25, yellow passivated (chrome III)

81861 H1 M 8 x 1,25, hexagon 10 mm

81843 H1 M 10 x 1, yellow passivated (chrome III)

81994 H1 M 10 x 1, with 80 mm-prolongation, tube type

40895 H1 M 10 x 1, with 22 mm-prolongation

40896 H1 M 10 x 1, with 36 mm-prolongation

40835 H1 M 10 x 1, with 50 mm-prolongation

80194 H1 M 10 x 1, total length 59 mm

81859 H1 M 10 x 1,5, yellow passivated (chrome III)

Low opening pressure types for concrete repair business

81007 H1 M 5 x 0,8, low opening pressure type,

with shortened spring, not case hardened

81004 H1 M 6 x 1, low opening pressure type, with shortened spring

80416 H1 M 8 x 1, low opening pressure type, with shortened spring

Grease fittings - extensions

81758 M 6 x 1, thread length 32 mm

81759 M 8 x 1, thread length 30 mm

81760 M 10 x 1, thread length 50 mm

Angled 45° - type B (hexagon type)



81336 H2 M 6 x 1

 H2 M 6 x 1, yellow passivated (chrome III)

H2 M 7 x 1

H2 M 8 x 1

H2 M 8 x 1, yellow passivated

(chrome III)

H2 M 8 x 1,25

H2 M 8 x 1,25, yellow passivated

(chrome III)

H2 M 10 x 1

H2 M 10 x 1, yellow passivated

(chrome III)

H2 M 10 x 1,25

H2 M 10 x 1,5

 H2 M 12 x 1 H2 M 12 x 1,5

H2 M 12 x 1,75

Angled 45° – type B (square type)



81411 H2 M5 x 0,8

 H2 M 6 x 0,75 H2 M 6 x 1

H2 M 8 x 1

H2 M 8 x 1, yellow passivated

(chrome III)

H2 M 8 x 1,25

H2 M 10 x 1

Angled 90° - type C (hexagon type)



80919 H3 M 6 x 0,75

H3 M 6 x 1

H3 M 6 x 1, yellow passivated

(chrome III)

H3 M 7 x 1

80127 H3 M8 x 0,75

H3 M 8 x 1

H3 M 8 x 1, yellow passivated

(chrome III)

H3 M 8 x 1,25

H3 M 8 x 1,25, yellow passivated

(chrome III)

H3 M 10 x 1

H3 M 10 x 1, yellow passivated

(chrome III)

H3 M 10 x 1,25

H3 M 10 x 1,5

81273 H3 M 12 x 1

H3 M 12 x 1,5

H3 M 12 x 1,75

Angled 30° / 67,5° / double-head - type B



 H2 M 8 x 1 67,5°, hexagon type H2 M 10 x 1 67,5°, hexagon type

H2 M 8 x 1 67,5°, square type

80667 H2 M 8 x 1 double-head, hexagon type, total length 20 mm

Angled 90° - type C (square type)



H3 M 5 x 0,8

H3 M 6 x 1

H3 M 8 x 1

H3 M 8 x 1, yellow chromated

H3 M 8 x 1,25

H3 M 10 x 1

- > reliability and precision for Original Equipment Manufacturers and after-sales market
- > high corrosion resistance (72 hours salt spray test)
- > RoHS compliance (trivalent chrome)
- > manufactured of precision steel, case hardened, zinc plated and blue (yellow) passivated (chrome III)

Hydraulic grease fittings according to DIN 71412 BSP (British Standard Pipe) with conical thread

manufactured of precision steel, case hardened, zinc plated, blue (yellow) passivated (chrome III)

Straight 180° – type A 12153

Angled 45° – type B (hexagon type) 12153

Angled 67,5° - type B



12153 H1 1/8" BSP

12171 H1 1/4" BSP

12181 H1 3/8" BSP

81918 H1 1/2" BSP

Special types

81856 H1 1/8" BSP, yellow passivated (chrome III)

81810 H1 1/8" BSP, nickel plated

80688 H1 1/8" BSP, thread length 7 mm, not case hardened

81763 H1 1/8" BSP, thread length 7,6 mm,

lowered ball seating

81341 H1 1/4" BSP, thread length 7,6 mm, yellow passivated (chrome III)

81858 H2 1/8" BSP, yellow passivated

81811 H2 1/8" BSP, nickel plated

12253 H2 1/8" BSP

81864 H2 1/4" BSP

(chrome III)

81135 H2 1/8" BSP 67,5°

Angled 90° – type C (hexagon type) 12371



Angled 90° – type C (square type) 12381



12381 H3 3/8" BSP

12353 H3 1/8" BSP 12371 H3 1/4" BSP

Hydraulic grease fittings BSF / WWF (British Standard Fine / Whitworth Fine), with cylindrical thread

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

Straight 180° – type A 81968

Angled 45° – type B (hexagon type) 81081

Angled 90° – type C (hexagon type) 81080



81968 H1 1/4" – 26 BSF/WWF **81076** H1 5/16" – 22 BSF/WWF **81016** H1 3/8" – 20 BSF/WWF



81081 H2 1/4" – 26 BSF/WWF **80139** H2 5/16" – 22 BSF/WWF



81080 H3 1/4" - 26 BSF/WWF

Hydraulic grease fittings BSW/WW (British Standard Whitworth/Whitworth), with cylindrical thread

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

Straight 180° – type A

80689

Angled 45° – type B (hexagon type) 81030

Angled 90° – type C (hexagon type) 81037



12116 H1 1/4" – 20 BSW/WW **81018** H1 5/16" – 18 BSW/WW **80689** H1 3/8" – 16 BSW/WW



81030 H2 5/16" - 18 BSW/WW



81037 H3 1/4" - 20 BSW/WW **81032** H3 5/16" - 18 BSW/WW

- > reliability and precision for Original Equipment Manufacturers and after-sales market
- > high corrosion resistance (72 hours salt spray test)
- > RoHS compliance (trivalent chrome)
- > manufactured of precision steel, case hardened, zinc plated and blue (yellow) passivated (chrome III)

Hydraulic grease fittings SAE / UNF (Society of Automotive Engineers / Unified Fine), with conical / cylindrical thread

manufactured of precision steel, case hardened, zinc plated, blue (yellow) passivated (chrome III)

Straight 180° – type A 80640

Angled 45° - type B 12256

Angled 90° - type C (hexagon type) 12317



80640 H1 1/4" - 28 UNF

12117 H1 1/4" – 28 SAE

81045 H1 1/4" - 28 SAE,

thread length 4,5 mm

81988 H1 1/4" – 28 SAE, total length 17,5 mm

81791 H1 1/4" – 28 SAE, yellow passivated (chrome III), total length 17,5 mm

12121 H1 1/4" – 28 SAE, yellow passivated (chrome III), total length 29 mm

81475 H1 1/4" – 28 SAE, unmounted, without ball and spring

12155 H1 5/16" – 24 SAE, yellow passivated (chrome III)

12156 H1 3/8" – 24 SAE, yellow passivated (chrome III)

81463 H1 1/2" - 20 SAE



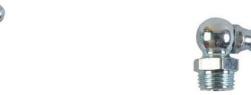
12217 H2 1/4" – 28 SAE, hexagon type, yellow passivated (chrome III)

40543 H2 1/4" – 28 SAE, square type

81034 H2 1/4" – 28 SAE, half round

12218 H2 1/4" – 28 SAE, half round, thread length 7,5 mm, not case hardened

12256 H2 3/8 – 24 SAE, hexagon type



12317 H3 1/4" - 28SAE

12355 H3 5/16" - 24 SAE

80838 H3 1/2" - 20 SAE

Angled 65° – type B 81951



81951 H2 1/4" – 28 SAE, hexagon type

Hydraulic grease fittings NPT (National Pipe Thread), with conical thread

manufactured of precision steel, case hardened, zinc plated, blue (yellow) passivated (chrome III)

Straight 180° – type A 81105 Angled 45° – type B (hexagon type) 80668

Angled 90° – type C (hexagon type) 80629



81105 H1 1/8" - 27 NPT

12154 H1 1/8" – 27 NPT, yellow passivated (chrome III)

(Chrome III)

81834 H1 1/8" – 27 NPT, yellow passivated (chrome III), total length 32 mm

81017 H1 1/4" - 18 NPT, yellow passivated (chrome III)

81022 H1 1/4" - 18 NPT, thread length 11 mm



80668 H2 1/8" - 27 NPT

12254 H2 1/8" – 27 NPT, yellow passivated

(chrome III)

81024 H2 1/4" - 18 NPT



80629 H3 1/8" - 27 NPT

12354 H3 1/8" – 27 NPT, yellow passivated

(chrome III)

81035 H3 1/4" - 18 NPT

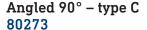
81036 H3 1/4" - 18 NPT, half round

Hydraulic grease fittings with self-forming thread according to DIN 71412

manufactured of precision steel, case hardened, zinc plated, yellow (blue) passivated (chrome III)

Straight 180° – type A 12511

Angled 45° – type B 80263





12511 H1 SFG 6 x 1

80943 H1 SFG 6 x 1, blue passivated (chrome III)

12511 H1 SFG 6 x 1

12512 H1 SFG 8 x 1

12513 H1 SFG 8 x 1, thread length 3,5 mm

CO

12521 H2 SFG 6 x 1, square type

81845 H2 SFG 6 x 1, hexagon type

80263 H2 SFG 8 x 1, hexagon type

12522 H2 SFG 8 x 1, square type

12524 H2 SFG 10 x 1, square type **81846** H2 SFG 10 x 1, hexagon type



80273 H3 SFG 6 x 1, hexagon type

12531 H3 SFG 6 x 1, square type

12532 H3 SFG 8 x 1, square type **81847** H3 SFG 8 x 1, hexagon type

12534-H H3 SFG 10 x 1, square type **12534-I** H3 SFG 10 x 1, hexagon type

12514 H1 SFG 10 x 1

81000 H1 SFG 1/4" – 28 SAE

- > reliability and precision for Original Equipment Manufacturers and after-sales market
- > manufactured of stainless steel, material no. 1.4305, AISI 303, A2

Hydraulic grease fittings (drive-fit type) according to DIN 71412

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

Straight 180° - type A 80926



80926 H1 a 6 80677 H1 a 8

Hydraulic grease fittings according to DIN 71412 metric, with conical thread

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

Straight 180° – type A 80825

Angled 45° – type B (hexagon type) 12621

Angled 90° – type C (hexagon type) 81038



80825 H1 M 5 x 0,8

12612 H1 M 6 x 1 **81040** H1 M 6 x 1, cylindrical thread

80867 H1 M 6 x 1, cylindrical thread,

thread length 8,5 mm

12613 H1 M 8 x 1 **81010** H1 M 8 x 1,25

12614 H1 M 10 x 1 **81744** H1 M 10 x 1,5

81095 H1 M 12 x 1,5



12621 H2 M 6 x 1

80541 H2 M 6 x 1, cylindrical thread, thread length 8,5 mm

81831 H2 M 8 x 1

81934 H2 M 8 x 1,25

12624 H2 M 10 x 1 **81020** H2 M 10 x 1,5

81842 H2 M 12 x 1



81038 H3 M 6 x 1

81039 H3 M 8 x 1 **81428** H3 M 8 x 1,25

12634 H3 M 10 x 1 81031 H3 M 10 x 1,5 Hydraulic grease fittings according to DIN 71412 BSP (British Standard Pipe), with conical thread

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

Straight 180° – type A 12615 Angled 45° – type B (hexagon type) 12625 Angled 90° – type C (hexagon type) 12635





12615 H1 1/8" BSP **81234** H1 1/8" BSP, cylindrical thread, thread length 11 mm

12625 H2 1/8" BSP

12627 H2 1/4" BSP

12635 H3 1/8" BSP

12637 H3 1/4" BSP

12617 H1 1/4" BSP

Hydraulic grease fittings BSW/WW (British Standard Whitworth/Whitworth), with cylindrical thread

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

Straight 180° – type A 81516



81516 H1 1/4" – 20 BSW/WW

- > manufactured of stainless steel
- > material no. 1.4305, AISI 303, A2

- > reliability and precision for Original Equipment Manufacturers and after-sales market
- manufactured of stainless steel, material no. 1.4305, AISI 303, A2

Hydraulic grease fittings SAE / UNF (Society of Automotive Engineers / Unified Fine), with conical / cylindrical thread

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

Straight 180° – type A 81754

Angled 90° - type C (hexagon type) 81756



81754 H1 1/4" – 28 SAE **81756** H3 1/4" - 28 SAE

82010 H1 5/16" - 24 UNF

Hydraulic grease fittings NPT (American Natonal Pipe Taper), with conical thread

manufactured of stainless steel, material no. 1.4305, AISI 303, A2



Angled 45° – type B (hexagon type) 81029

Angled 90° – type C (hexagon type) 81001







81014 H1 1/8" - 27 NPT

81283 H1 1/4" - 18 NPT

81029 H2 1/8" - 27 NPT

81001 H3 1/8" - 27 NPT

01 GREASE

Professional hydraulic grease fittings "Serie H"

- > reliability and precision for Original Equipment Manufacturers and after-sales market
- manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

Hydraulic grease fittings according to DIN 71412

manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

Straight 180° – type A 81910



81910 H1 a 10

- > manufactured of acid-proof steel
- > material no. 1.4401, AISI 316, A4

Hydraulic grease fittings according to DIN 71412 metric, with conical thread

manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

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Straight 180° – type A 80869 Angled 45° – type B (hexagon type) 81869 Angled 90° – type C (hexagon type) 81608



81869 H2 M 6 x 1

81082 H2 M 8 x 1

81796 H2 M 10 x 1



81608 H3 M 6 x 1

80678 H3 M 8 x 1

80207 H3 M 10 x 1

80869 H1 M 6 x 1

80870 H1 M 8 x 1 **80871** H1 M 8 x 1,25

81012 H1 M 10 x 1 **81779** H1 M 10 x 1,5 **81915** H1 M 12 x 1,5

- > reliability and precision for Original Equipment Manufacturers and after-sales market
- > manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

Hydraulic grease fittings according to DIN 71412 BSP (British Standard Pipe), with conical thread manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

Straight 180° – type A 12715

Agled 45° – type B (hexagon type) 81152

Angled 90° - type C



12715 H1 1/8" BSP

12717 H1 1/4" BSP

81009 H1 3/8" BSP

81152 H2 1/8" BSP

81042 H2 1/4" BSP



81452 H3 1/8" BSP, hexagon type

81708 H3 1/4" BSP, square type

Hydraulic grease fittings UNF (Unified Fine), with conical / cylindrical thread

manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4 Hydraulic grease fittings NPT (National Pipe Thread), with conical thread

manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

Straight 180° – type A 81941

Straight 180° – type A 80188



81941 H1 1/4" – 28 UNF



80188 H1 1/8" - 27 NPT

- > reliability and precision for Original Equipment Manufacturers and after-sales market
- > manufactured of brass

Hydraulic grease fittings according to DIN 71412 metric, with conical thread

manufactured of brass

Straight 180° – type A 81006 Angled 90° – type C (hexagon type) 12337 Accessories for hydraulic grease fittings choice of sizes, yellow or red

Protection caps for grease fittings 80860/80858



81006 H1 M 6 x 1

12134 H1 M 8 x 1 **81713** H1 M 8 x 1,25

81002 H1 M 10 x 1

80246 H1 M 12 x 1,5



12337 H3 M 8 x 1



80857 red, without hanger **80858** red, with hanger

80859 yellow, without hanger **80860** yellow, with hanger

Hydraulic grease fittings according to DIN 71412 BSP (British Standard Pipe), with conical thread

manufactured of brass

Grease fittings identification rings 80499 / 80732 / 80731







Straight 180° – type A 81066



81066 H1 1/8" BSP

80659 H1 1/8" BSP, nickel plated

80862 H1 3/8" BSP

80730 red, for grease fittings with M 6 x 1 thread

80731 red, for grease fittings with M 8 x 1 thread

80732 red, for grease fittings with M 10 x 1 thread **80499** yellow, for grease fittings with 10 x 1 thread

1 GREASE

Professional button-head grease fittings

- > reliability and precision for Original Equipment Manufacturers and after-sales market
- > high corrosion resistance (72 hours salt spray test)
- > RoHS compliance (trivalent chrome)
- > cylindrical thread

Button-head grease fittings "Serie M" according to DIN 3404, with metric thread

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

Button-head grease fittings "Serie M" according to DIN 3404, with BSP thread

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

M4 (head diameter 10 mm) 81579

M4 (head diameter 10 mm) 81730



81579 M4 M 8 x 1

81130 M4 M 10 x 1

81730 M4 1/8" BSP

M1 (head diameter 16 mm)

81070 M1 M 6 x 1

15172 M1 M8 x 1 **81071** M1 M8 x 1,25

15173 M1 M 10 x 1 **15178** M1 M 10 x 1,5

15174 M1 M 12 x 1,5

81072 M1 M16 x 1,5

M1 (head diameter 16 mm)

15175 M1 1/8" BSP

15176 M1 1/4" BSP

15177 M1 3/8" BSP

81074 M1 1/2" BSP

M22 (head diameter 22 mm)

15225 M22 M 16 x 1,5

M22 (head diameter 22 mm)

81041 M22 1/8" BSP

15226 M22 1/4" BSP **80856** M22 1/4" BSP, with conus and rod valve

15227 M22 3/8" BSP

15228 M22 1/2" BSP

Button-head grease fittings "Serie M" according to DIN 3404, with other thread

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

M1 (head diameter 16 mm) 81096



81096 M1 1/8" NPT

Button-head grease fittings "Serie M" according to DIN 3404, with metric thread

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

M1 (head diameter 16 mm) 81658



81658 M1 M 6 x 1

80642 M1 M 8 x 1,25

15663 M1 M 10 x 1

Button-head grease fittings "Serie M" according to DIN 3404, with BSP thread

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

M1 (head diamter 16 mm) 15665



15665 M1 1/8" BSP

15666 M1 1/4" BSP

Button-head grease fittings "Serie M" according to DIN 3404, with metric thread manufactured of acid-proof steel.

manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

M1 (head diameter 16 mm) 81776



81776 M1 M 10 x 1

Button-head grease fittings "Serie M" according to DIN 3404, with BSP thread

manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

M1 (head diameter 16 mm) 81013



81013 M1 1/8" BSP

80685 M1 1/4" BSP

Button-head grease fittings "Serie M" according to DIN 3404, with metric thread manufactured of acid-proof steel,

manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

M22 (head diameter 22 mm) 80109



80109 M22 M 16 x 1,5

Professional button-head grease fittings

- > reliability and precision for Original Equipment Manufacturers and after-sales market
- > high corrosion resistance (72 hours salt spray test)
- > RoHS compliance (trivalent chrome)
- > cylindrical thread

Button-head grease fittings "Serie M" according to DIN 3404, with metric thread

manufactured of brass

Button-head grease fittings "Serie M" according to DIN 3404, with BSP thread manufactured of brass

Button-head grease fittings "Serie T1"

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

M4 (head diamter 10 mm) 81665

M1 (head diamter 16 mm) 15475

With metric thread (head diameter 16 mm) 81086



81665 M4 M 10 x 1



15475 M1 1/8" BSP

15476 M1 1/4" BSP

81088 M1 3/8" BSP



81086 T1 M 8 x 1

81123 T1 M 10 x 1

80594 T1 M 12 x 1,25

M1 (head diamter 16 mm)

15461 M1 M8 x 1

15473 M1 M 10 x 1

M2 (head diamter 22 mm)

81091 M22 3/8" BSP

With BSP thread (head diameter 16 mm) 80885



80885 T1 1/8" BSP

80886 T1 1/4" BSP

Button-head grease fittings "Serie T1B"

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

Button-head grease fittings "Serie T1B"

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

Button-head grease fittings "Serie T1B"

manufactured of brass

With metric thread (head diameter 16 mm) 81083

With BSP thread (head diameter 16 mm) 81092

With BSP thread (head diameter 16 mm) 80935





81092 T1B 1/4" BSP **81083** T1B M 6 x 1

81125 T1B M 8 x 1,25

81084 T1B M 10 x 1 **81969** T1B M 10 x 1,5 80935 T1B 1/8" BSP

81345 T1B 1/4" BSP

With BSP thread (head diameter 16 mm) 80718



80718 T1B 1/8" BSP

80719 T1B 1/4" BSP

1 GREASE

Professional cup-shaped grease fittings "Serie D"

- > manufactured according to DIN 3405
- > reliability and precision for Original Equipment Manufacturers and after-sales market
- > high corrosion resistance (72 hours salt spray test)

Cup-shaped grease fittings (drive-fit type) according to DIN 3405

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

Straight 180° – type A 14104 Angled 45° – type B (square type) 14206

Angled 90° – type C (square type) 14306



14104 D1 a 4, head diameter 5 mm **81866** D1 a 4, head diameter 6 mm

14704 D1 a 5, head diameter 6 mm

14706 D1 a 6

80081 D1 a 6, collar depth 1,5 mm

14708 D1 a 8

14110 D1 a 10



14206 D2 a 6

14208 D2 a 8



14306 D3 a 6

14308 D3 a 8

Cup-shaped grease fittings (drive-fit type) according to DIN 3405

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

Straight 180° – type A 81393



manufactured of brass

Straight 180° – type A 14406



81786 D1 a 3,5

81365 D1 a 5, head diameter 6 mm

81393 D1 a 6



81011 D1 a 4, head diameter 6 mm, collar depth 1,5 mm **81499** D1 a 4, head diam. 6 mm, collar depth 1,5 mm, nickel plated

14406 D1 a 6

14408 D1 a8

Cup-shaped grease fittings according to DIN 3405, with metric thread

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

Straight	180°	- type A
14713		

Angled 45° – type B (square type)

Angled 90° - type C (square type)



D1 M5 x 0,8, hexagon 7 mm

D1 M 6 x 1

 D1 M 8 x 1, hexagon 9 mm D1 M 8 x 1, hexagon 11 mm

 D1 M 8 x 1,25 D1 M 10 x 1

D2 M 6 x 1

 D2 M 8 x 1 D2 M 8 x 1,25

 D2 M 10 x 1 D2 M 10 x 1,5



D3 M 6 x 1

D3 M 8 x 1

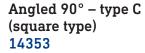
D3 M 10 x 1

Cup-shaped grease fittings according to DIN 3405, with BSP thread

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

Straight 180° – type A

Angled 45° – type B (square type)





D1 1/8" BSP

D1 1/4" BSP

D1 3/8" BSP



D2 1/8" BSP

D2 1/4" BSP



14353 D3 1/8" BSP

Professional cup-shaped grease fittings 'Serie D"

- > manufactured according to DIN 3405
- > reliability and precision for Original Equipment Manufacturers and after-sales market

3405, with metric thread

manufactured of brass

Cup-shaped grease fittings according to DIN

> high corrosion resistance (72 hours salt spray test)

Cup-shaped grease fittings according to DIN 3405, with metric thread

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

Straight 180° - type A

Straight 180° - type A 81745

14412



14412 D1 M 6 x 1

14414 D1 M8 x 1 **14415** D1 M 8 x 1,25

14450 D1 M 10 x 1

81745 D1 M 6 x 1

81505 D1 M8 x 1 80469 D1 M8 x 1,25

Cup-shaped grease fittings according to DIN 3405, with BSP thread

manufactured of brass

Straight 180° - type A 14453



14453 D1 1/8" BSP

01 GREASE

Professional grease fitting tools

Professional packaging for grease fittings

- > 10 up to 1.000 pieces of grease fittings
- plastic bags
- > cardboard boxes
- > plastic assortment boxes

Grease fitting tools 80984 / 80925

Standard bulk plastic bags







80984 Grease fitting tool for 1/4" 28 SAE

80868 Grease fitting tool for 1/8" NPT

80925 Grease fitting tool for 5", 125 mm for cleaning, with hose

"Serie H"

- > Straight 180°: per 1.000 pieces in sturdy plastic bag, provided with Hallbauer-branded self-adhesive label indicating quantity, type description, article number, date of packaging.
- > Angled 45°/90°: per 500 pieces in sturdy plastic bag, labelling as above.

"Serie D"

- > Straight 180°: per 1.000 pieces in sturdy plastic bag, provided with Hallbauer-branded self-adhesive label indicating quantity, type description, article number, date of packaging.
- > Angled 45°/90°: per 500 pieces in sturdy plastic bag, labelling as above.

"Serie M", "Serie T1", "Serie T1B"

- > M4 (head diameter 10 mm): per 100 pieces in sturdy plastic bag, provided with Hallbauer-branded self-adhesive label indicating quantity, type description, article number, date of packaging.
- > M1 (head diameter 16 mm), T1, T1B: per 250 pieces in sturdy plastic bag, labelling as above.
- > M22 (head diameter 22 mm): per 500 pieces in sturdy plastic bag, labelling as above.

1 GREASE

Professional packaging for grease fittings

- > 10 up to 1.000 pieces of grease fittings
- > plastic bags
- > cardboard boxes
-) plastic assortment boxes

Standard retail plastic bags – ready to shelve 12995

Standard retail folding cardboard boxes







Standard retail bags are available for all grease fitting types. Standard packaged bags consist of sturdy plastic bag according to packaging size (per 10, 20 or 50 pieces of one type or assortment) and cardboard Euro slot hanger provided with self-adhesive label indicating article code, short description, symbolic photograph, quantity, colour Hallbauer logo and barcode. Standard cardboard Euro slot hangers are Hallbauer branded.

Standard retail plastic bags packaged by 100 pieces are without Euro slot hanger. Surcharge on bulk rate for packaging and branding applies.

M22 (head diameter 22 mm): per 500 pieces in sturdy plastic bag, labelling as above.

Standard retail folding cardboard boxes are available for all grease fittings types. Standard packaged boxes are made of sturdy white cardboard and are available in three sizes:

box A (79 x 38 x 50 mm) box B (79 x 53 x 50 mm) box C (105 x 78 x 50 mm) according to packaging size (per 10, 20, 50 or 100 pieces).

The folding cardboard boxes are provided with self-adhesive labels indicating article code, short description, symbolic photograph, quantity, colour Hallbauer logo and barcode.

Surcharge on bulk rate for packaging applies.

Customized retail plastic bags - ready to shelve

Customer branded retail plastic bags are available for all grease fitting types. Customized bags feature individually printed cardboard Euro slot hanger provided with self-adhesive label indicating Hallbauer article code and/or customized article code, Hallbauer and/or customized short description, symbolic photograph on request, quantity, colour company logo and barcode on request.

Customized retail plastic bags packaged by 100 pieces are without Euro slot hanger. Surcharge on bulk rate for packaging and branding applies.

Customized retail folding cardboard boxes

Customized retail folding cardboard boxes are available for all grease fittings types. Customized packaged boxes are made of sturdy white cardboard and are available in three sizes:

box A (79 x 38 x 50 mm) box B (79x 53 x 50 mm) box C (105 x 78 x 50 mm) according to packaging size (per 20, 50 or 100 pieces).

The customized folding cardboard boxes are provided with self-adhesive labels indicating Hallbauer article code and/or customized article code, Hallbauer and/or customized short description, symbolic photograph, quantity, colour company logo and barcode on request.

Surcharge on bulk rate for packaging applies.

Professional packaging for grease fittings

- > 10 up to 1.000 pieces of grease fittings
- > plastic bags
- > cardboard boxes
- > plastic assortment boxes

Standard retail assortment plastic boxes 12990



Customized retail assortment plastic boxes

Customer branded assortment boxes are available in four sizes (10 or 12 compartments for approx. 100 up to 500 grease fittings). Customized inlet cartons included.

Surcharge on standard assortment boxes for branding applies.

80298 SSK 110 Econo plus - hexagon type

(110 pieces/10 different types of hydraulic grease fittings DIN 71412, see list below)

40182 SSK 120 - hexagon type

(120 pieces / 12 different types of hydraulic grease fittings DIN 71412, see list below)

40181 SSK 120 neutral - hexagon type

(120 pieces / 12 different types of hydraulic grease fittings DIN 71412, see list below)

12991 SSK 230 - hexagon type

(230 pieces / 12 different types of hydraulic grease fittings DIN 71412, see list below)

12992 SSK 475 - hexagon type

(475 pieces / 12 different types of hydraulic grease fittings DIN 71412, see list below)

INHALT	SSK 110	SSK 120	SSK 230	SSK 475
H1 M 6 x 1	30	30	50	100
H1 M 8 x 1	20	20	50	75
H1 M 10 x 1	10	10	25	50
H1 R 1/8"	10	10	25	50
H2 M 6 x 1	5	5	10	30
H2 M 8 x 1	10	10	10	30
H2 M 10 x 1		5	10	20
H2 R 1/8"	5	5	10	20
H3 M 6 x 1	5	5	10	30
H3 M 8 x 1	10	10	10	30
H3 M 10 x 1		5	10	20
H3 R 1/8"	5	5	10	20



SIMPLE, BUT ESSENTIAL – THE LITTLE USEFUL HELPERS.

Fresh oil technology – Powerful and versatile.

We all know the plastic measures, funnels, oil cans, hand pumps or suction guns which you find in every garage, workshop, farm, manufacturing company and household. Agreed, they are technically not very demanding, but what would we do without them?

We would be pretty helpless. Therefore we start our fresh oil section with these "little useful helpers".

Like the plastic measuring jugs which may carry your private label or the one of your customers if you want to use them as promotion item or the single and double acting suction guns for changing the oil of outdoor power equipment.

A wide range of hand pumps is waiting for you from low budget "Give away-pumps" to hand pumps for high-viscosity oils which still work when it is getting cold outside or else dispensers for motor and gear oil with electronic hose end meters. They are indeed very economic when operated with bulk oil.



A wide range of hand and other pumps waiting for you.

02 Fresh Oil

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02 FRESH OIL

Professional suction and filler guns

- > made of steel
- > choice of sizes and accessories

Professional multi-purpose pumps

Suction and filler guns

06015/40498/40617/40618

Multiple-purpose pumps "MZE"

80418





06010 SFP 250 – 250 cm³ (8,5 oz) without accessories

06011 SFP 500 – 500 cm³ (17 oz) without accessories

06014 SFP 1000 – 1.000 cm³ (34 oz) without accessories

Sets

40472 Set SFP 250 with suction tube, straight, nom. diam. 9

40498 Set SFP 250 with plastic hose, nom. diam. 9

40473 Set SFP 500 with suction tube, straight, nom. diam. 9

40535 Set SFP 500 with plastic hose, nom. diam. 4

40617 Set SFP 500 with plastic hose, nom. diam. 9

40474 Set SFP 1000 with suction tube, straight, nom. diam. 9

40618 Set SFP 1000 with plastic hose, nom. diam. 9

06015 Set SFP 500 with double valve and 2 plastic hoses, nom. diam. 9, 500 mm, double-acting

Choice of accessories

40076 Plastic hose nom. diam. 4 x 1/8" BSP, 500 mm, for suction through dip stick tube

40077 Plastic hose nom. diam. 9 x 1/8" BSP, 300 mm

40078 Suction tube, straight, nom. diam. 6,5 x 1/8" BSP, 300 mm

40079 Suction tube, bent, nom. diam. 6,5 x 1/8 BSP, 300 mm

Characteristics

- > made of steel
- > choice of sizes and accessories

09500 MZE-02 with 0,75 m plastic hose, nom. diam 16, and metall suction tube, 3-part

82223 MZE-02T with 1,5 m plastic hose, and 1,5 m metall suction tube, 6-part

80418 MZE-04 with 1 m plastic hose and plastic suction tube, 3-part

Characteristics

- > hand pump for easy (re)filing
- for promotion of motor oil and hydraulic oil up to SAE 50, diesel fuel, heating oil, undiluted radiator antifreeze, self-lubricating, non aggressive fluids
- appropriate for 60 and 200 I barrels (MZE-02T also for tanks up to 1.000 I)
- > plastic hose with outlet spout
- > suction tube
- output 0,2 l/stroke (MZE-02) or 0,4 l/stroke (MZE-04)

Professional multi-purpose pumps

- > hand-operated multi-purpose pumps
- > suitable for oils and other different liquids (see below)

Multi-purpose pump "MZ-05" 09513

Lever pump "HP-05/25-200" for oils 300009



Multi-purpose impeller pump "MZF-03"

40688



81769 MZA-05 with bent outlet tube **09512** MZP-05 with 1,5 m rubber hose and outlet spout

09513 MZG-05 with outlet tube and 1,5 m plastic hose and ball valve

Characteristics

- > easy filling and dispensing
- suitable for diesel fuel, heating-, hydraulic-, motor- and gear oil up to SAE 140 and undiluted radiator antifreeze
- of for 50/60 I and 200 I barrels
- \rightarrow telescopic suction tube, length 465 880 mm
- output 0,5 l/stroke

300009 "HP-05/25-200" for oils

Characteristics

- high-quality pump made of polypropylen with packings made of Viton®
- > suitable for oil, diesel and water
- > extreme operational, extremely efficient
- > connecting thread 2", bent outlet spout
- G 2" drum adapter
- > telescopic suction tube, 3 parts, length 320/700/980 mm for 20/25 l
- > canisters, 50 l and 200 l barrels
- output 0,5 l/stroke (approx. 16 l per min)

40688 MZF-03/200

40689 MZF-03/50

with barrel pump support 2" BSP for 50/60 l barrels

Characteristics

- > very solid for permanent application
- \rightarrow double-acting impeller wheel pump
- suitable for diesel fuel, heating oil, hydraulic and motor oil
- of for 50/60 l and 200 l barrels
- > suction tube 3/4" BSP
- > 2 m plastic hose with outlet spout
- output 0,3 l/double stroke

Delivery content without barrel.

Multi-purpose pump "MZA-03"

305000 MZA-03 with bent outlet tube

Characteristics

- > self-priming, easy filling and dispensing
- > made of metal, galvanized, with seals made of NBR
- > suitable for machine oil, motor oil and gear oil up to SAE 90, heating oil, hydraulic oil, cutting oil and bore oil, diesel fuel and undiluted radiator antifreeze
- output 0,3 l/stroke
- of for 50/60 I canisters and 200 I barrels
- > economic formed lever (31 mm), non-slip, for effort-saving handling with tougher fluids
- > telescopic suction tube (480 until 900 mm)
- > bent outlet tube, made of metal
- > installation of a delivery hose possible

Please order delivery hose and 2" BSP bung adaptor for 50/60 I barrels separately

Professional hand pumps for oils

- > for motor and/or gear oil
- of barrels

Multiple-purpose rotary pump "MZR-04" Econo plus

308300

Multi-purpose rotary pump "MZR-04 Alu" 40207

Professional lubricant dispenser "Serie DA" 325000



for 200 I barrels with adjustable bung adaptor with 1 m plastic hose

308300 MZR-04/200

40493 1 m plastic hose

nom. diam. 25, with outlet spout

Characteristics

- > made of cost iron
- > solid, efficient and leak-proof
- > suitable for motor- and gear oil
- > self-priming
- of for 200 I barrels
- > metal suction tube, bent spout
- output 0,4 l/rotation

Delivery content without barrel.



308010 MZR-04/200 ALU

for 200 I barrels with adjustable bung adaptor

40207 Set MZR-04/200 ALU

for 200 I barrels with adjustable bung adaptor with 1 m plastic hose with outlet spout

Characteristics

- > very solid and self-priming
- > made of aluminium
- > suitable for diesel fuel, heating oil, hydraulic, motor and gear oil
- > for 200 I barrels
- > metal suction tube (3 pieces), bent spout
- output 0,4 l/rotation

Delivery content without barrel.



With capacity of 25 I 325010 DAZ 25 - mobile with electronic flow meter

325000 DA 25 - mobile

With capacity of 70 I 326010 DAZ 70 - mobile with electronic flow meter

326000 DA 70 - mobile

Characteristics

- > specially suitable for high-viscosity motor and gear oil up to SAE 140
- with lever piston pump, 1,5 m rubber delivery hose with shut-off valve and bent outlet tube
- > mobile with wheels
- capacity 25 I and 70 I
- output 0,12 l/stroke

Professional hand pumps for oils

- of for motor and/or gear oil
- of of barrels

Semi-rotary gear oil pump "MZR-A"

41006

Mobile gear oil pump "DVM" 320200

Gear oil pump "DV" 320400



81937 MZR-A/50

41006 MZR-A/50 - mobile

with trolley and pump support

Characteristics

- > solid and efficient
-) for gear oil
- of for 50/60 I barrels
- > 2" BSP bung adaptor
- > suction tube 570 mm
- > 2 m delivery hose with shut-off valve and bent outlet spout
- > output 0,25 l/stroke



320200 DVM-60

for 20-50 kg kegs

Characteristics

- > specially suitable for high-viscosity motor and gear oils up to SAE 140
- > lever piston pump
- > 1,5 m rubber delivery hose with shut-off valve and bent outlet spout
- > trolley for 20 50 kg kegs, with 2 wheels
- > pump support with 2" bung adaptor
- output 0,12 l/stroke



320400 DV-16

Characteristics

- ontainer capacity 16 l
- > 1,5 m delivery hose with shut-off valve and bent outlet spout for gear oil
- output 0,12 l/stroke

Trolleys for filler pumps and greasing units

steel frame, powder coated floor open or closed

Trolleys without accessories

431001/431000/81043

Trolleys with accessories 432814/40491





431001 Trolley for 50 kg/50-60 l kegs,

floor open, with 2 wheels and two height-adjustable hooks

431000 Trolley for 50 kg/50-60 l kegs,

floor open, with 4 wheels and two height-adjustable hooks

81043 Trolley for 10-50 kg/10-60 l kegs,

floor closed, with 2 wheels and height-adjustable pump holder, 405 mm length, prevents the overflow of the barrelr

432000 Trolley for 185 kg/200 l barrels,

floor open, with 2 tyred wheels in front and one wheel with rear brake

432100 Drum trolley for 200 I barrels

with 2 wheels

81222 Drum dolly for 60 / 200 I barrels

made of steel, with 4 wheels, load capacity per wheel min. 75 kg (total 300 kg)

Delivery content without barrel.

432814 Trolley for 185 kg/200 l barrels, floor closed, with 2 tyred rubber wheels in front and one swivelling rubber wheel with rear brake

40491 Trolley for 185 kg/200 l barrels, floor closed, with 2 tyred rubber wheels in front and 2 swivelling rubber wheels with rear brake

74

Professional measures

- > made of polyethylen or galvanized sheet steel
- > with handle
- > with scaling

Measures "Serie KMF" 29410

Measures "Serie KMB" 82094/81420

Measures "Serie WMK" 29220/80989







29410 KMF 1000 - 1 I 29420 KMF 2000 - 2 I 29430 KMF 3000 - 3 I 29450 KMF 5000 - 5 I

Characteristics

- > made of polyethylene
- > temperature resistance -60° C up to +80° C
- > handle and screwed-on flexible outlet spout
- > transparent for visual control of filling level

Customized plastic measures

with black lid

82094 KMB 100 - 100 ml 81417 KMB 250 - 250 ml 81418 KMB 500 - 500 ml 81419 KMB 1000 - 1.000 ml 81420 KMB 2000 - 2.000 ml 81421 KMB 3000 - 3.000 ml 81422 KMB 5000 - 5.000 ml

Characteristics

- > made of polypropylene
- > temperature resistance -10° C up to +100° C
- > confort grip, pouring edge
- > easy stackable
- > transparent for visual control of filling level

- > scale in millilitres

Plastic measures set "Serie KMB"

40860



29110 WMK 1000 - 1 I

Characteristics

- > made of galvanized sheet steel
- > appropriate for calibration
- > deformation resistant due to improved wall thickness
- > increased stability
- > heat-resistant rigid metal outlet, funnelshaped and stable in form





- > customized logo-print (1 to 4 colours)
- > minimum order quantity 500 units

40860 Set KMB

- > set consisting of
- KMB 500 500 ml
- KMB 1000 1.000 ml
- KMB 2000 2.000 ml
- > temperature resistance -10° C up to +100° C

Professional metal funnels

- > made of metal or galvanized sheet steel
- > hand grip
- > brass filter
- diameter from 160 up to 200 mm

Funnel WTW 160 30320

Funnel "Serie WT" 30018

Funnel "Serie WKT" 30218



30320 WTW 160 - ø 160 mm

Characteristics

- > made of metal
- > 45 cm bent metal outlet tube
- > brass filter



30018 WT 160 - ø 160 mm 81568 WT 200 - ø 200 mm

Characteristics

- > made of metal
- > rigid outlet tube made of polyethylene, orange
- > removable brass filter



30218 WKT 160 - ø 160 mm 80960 WKT 200 - ø 200 mm

Characteristics

- > made of galvanized sheet steel
- > rigid outlet tube made of polyethylene, orange
- removable for WKT 160
- > norigid outlet tube for WKT 200
- > 28 cm flexible metal outlet tube, removable
- > removable brass filter
- > handle

Flexible outlet tube for metal funnels

82103



82103 Flexible outlet tube WFA for WT, WKT und WKT 200

- > 28 cm metal outlet tube
- > removable
- > 90° bendable

Professional plastic funnels yellow / white / grey

- > made of polyethylen
- > funnels with outlet tube
- > filter made of polyethylen, brass or stainless steel
- diameter from 100 up to 350 mm

Funnel KT 100, 190, 230 yellow or white 30100 / 30190

Funnel KT 300 grey 30300

Funnel KT 350 white 82055





Characteristics

- > temperature resistance -60° C up to +80° C
- > transparent
- > removable flexible outlet tube
- > polyethylene filter
- > food-safe



30300 KT 300 grey – 285 x 195 square type

Characteristics

- \rightarrow diameter of the feed opening in mm $285\ x\ 195$
- > height 310 mm
- > rigid outlet tube
- > removable brass filter
- \rightarrow temperature resistance -10° C up to +75° C
- > **not** food-safe



82055 KT **350** white – **350** mm x **210** mm round type

Characteristics

- > stable hand grip
- > rigid outlet tube
- > stainless steel filter
- > temperature resistance -20° C up to +70° C

Flexible outlet tube for plastic measures and funnels

30331

Brass filter for funnels 30331



30331 Flexible outlet tube for KMF 1000 - 3000, KT 100 and KT 190 170 mm length, incl. screw connect

30332 Flexible outlet tube for KMF 5000 and KT 230 280 mm length, incl. screw connect



80983 Brass filter suitable for KT 300

Professional plastic funnels orange / yellow / red

- > made of polyethylen
- > suitable for oil and chemicals
- > different funnels with or without filter
- diameter from 50 up to 275 mm

Funnel KT 50-150 orange 81544

Funnel KT 115 orange 82051

Funnel KT 160 orange 81563



81434 KT 50 orange — ø 50 mm 81435 KT 75 orange — ø 75 mm 81543 KT 100 orange — ø 100 mm 81544 KT 120 orange — ø 120 mm 81562 KT 150 orange — ø 150 mm

Characteristics

- > rigid outlet tube
-) grip tag
- > food-safe



82051 KT 115 orange – ø 115 mm oil can funnel

Characteristics

- total height 160 mm
- > suitable for oil cans
- > rigid outlet tube, without filter
-) grip tag
- > temperature resistance -20° C up to +80° C
- > food-safe

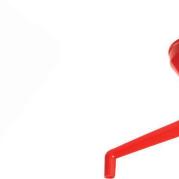


81563 KT 160 orange - ø 160 mm

Characteristics

- > rigid outlet tube
- > stable hand grip
- > removable filter, made of stainless steel
- > temperature resistance -20° C up to +80° C

Funnel KTF160 orange 81161



Funnel KTW 160 orange 81160





81161 KTF 160 orange - ø 160 mm

Characteristics

- > removable bent rigid outlet tube (300 mm)
- > stable hand grip
- > removable filter, made of stainless steel
- \rightarrow temperature resistance -20° C up to +80° C



81160 KTW 160 orange - ø 160 mm

Characteristics

- rigid outlet tube (300 mm)
- → grip tag
- > removable filter, made of stainless steel
- $^{\circ}$ temperature resistance -20° C up to +80° C



81564 KT 195 orange - ø 195 mm

Characteristics

- > rigid outlet tube
-) grip tag
- > removable filter, made of stainless steel
- \flat temperature resistance -20° C up to +80° C

>

Professional plastic funnels orange/yellow/ red

- > made of polyethylen
- > suitable for oil and chemicals
- > different funnels with or without filter
- diameter from 50 up to 275 mm

Funnel KT 250 orange 81565



81565 KT 250 orange - ø 250 mm

Characteristics

- > rigid outlet tube
- > stable hand grip
- > removable filter, made of stainless steel
- \rightarrow temperature resistance -20° C up to +80° C

Funnel KTAÖ 250 red 80515



80515 KTAÖ 250 red - ø 250 mm without outlet tube

Characteristics

- > cover and und grip tag, lockable
- > connection thread G 2"a, zinc die-cast
- > ideal for collecting waste oils or other used liquids in existing containers

Plastic funnels set "Serie KT orange

81552



81162 Set KT 4 orange (4 sizes)

set consisting of ø 50, 75, 100 and 120 mm

81557 Set KT 5 orange (5 sizes)

set consisting of ø 50, 75, 100, 120 and 150 mm

81552 Set KT 6 orange (6 sizes)

set consisting of ø 50, 75, 100, 120, 150 and 160 mm

Characteristics

- > KT 50 150 with rigid outlet tube and grip tag
- > KT 160 with removable filter made of stainless steel, rigid outlet tube and hand grip
- > food-safe

Funnel KT 275 yellow with cover

81559



81559 KT 275 yellow - ø 275 mm

with cover, without outlet tube

Characteristics

- > temperature resistance -10° C up to +75° C
- > protective cover and barrel venting
- > suitable for 200 | barrels
- ideal for collecting waste oils or other used liquids in existing containers
- > height incl. cover 380 mm (barrel mounted
- » ø cover 290 mm, height cover 55 mm
- > without outlet tube
- connection thread 2" BSP
- > suitable for oil and chemicals
- > temperature resistance -10° C up to + 75° C

82142 Filter for funnel orange

Eigenschaften

- > made of stainless steel
- > for funnel KT 160, KT 195, KT 250, KTF 160 and KTW 160

Professional dispensing bottle

Professional oilers

- body made of polyethylene
- > capacity 125 cm³ (4,3 oz) up to 1.000 cm³ (34 oz)

Dispensing bottle LAB 81168

Oiler "Serie D" 81050 / 82124

Oiler "Serie S" and "Serie SW" 27117 / 27217



81168 LAB 500 - 500 ml

Characteristics

- > dispensing bottle made of polyethylene
- > transparent
- > with angled dispensing spout, transparent, made of polyethylene
- > suitable for filling car batteries



27015 D 125 – 125 cm³ (4,3 oz) 27030 D 250 - 250 cm³ (8,5 oz) 81050 D 500 - 500 cm³ (17 oz)

82137 D 125 – 125 cm³ (4,3 oz) plastic 82124 D 250 - 250 cm³ (8,5 oz) plastic 82138 D 500 - 500 cm³ (17 oz) plastic

Characteristics

- > squeeze oilers
- > telescopic rigid outlet tube made of brass, with closeable nozzle, or rigid plastic spout
- > capacity up to 500 cm³ (17 oz)



27117 S 200 – 200 cm³ (7 oz) 27130 S 300 - 300 cm³ (10 oz) 81147 S 500 - 500 cm³ (17 oz)

27217 SW 200 – 200 cm³ (7 oz) 27230 SW 300 - 300 cm³ (10 oz) 81146 SW 500 - 500 cm³ (17 oz)

Characteristics

> splash oilers

81547

- pumping device
- > rigid or flexible metal outlet tube
- > closed handle for safe handling

Oiler "Serie DF"

> capacity 200 cm³ (7 oz) up to 500 cm³ (17 oz)

Oiler "Serie DW" 80949



80949 DW 75 - 75 ml

Characteristics

- > tool-box oiler
- > transparent
- > closeable brass spout with integral leather gasket
- > capacity 75 ml



81547 DF 75 - 75 ml

- > bellows-oiler
- > transparent
- orange screw nozzle
- outlet and protection cap
- capacity 75 ml

PRESHOIL

Professional oilers

- > body made of polyethylene
- > capacity 200 cm³ (7 oz) up to 1.000 cm³ (34 oz)

Professional measures sets

Oiler "Serie MSK"

28125

Measures set 41299





28125 MSK 300 – 300 cm³ (10 oz) 28140 MSK 500 – 500 cm³ (17 oz)

Characteristics

- > metal splash oiler, pumping device made of polyethylene
- > rigid and flexible metal outlet tube
- > closed handle for safe handling
- > capacity 300 cm³ (10 oz) or 500 cm³ (17 oz)

41299 Plastic measure set

Characteristics

- y funnel WT 200 (ø 200 mm, galvanized sheet steel, rigid outlet tube)
- measure WMK 2000 (2 l, galvanized sheet steel, increased stability)
- > splash oiler MSM 500 (500 cm³ / 17 oz, metall, rigid and flexible outlet tube)

Oiler "Serie MSM" 28025



Measures set acid

41300



81187 MSM 200 – 200 cm³ (7 oz)

28025 MSM 300 - 300 cm³ (10 oz)

28040 MSM 500 - 500 cm³ (17 oz)

81261 MSM 750 - 750 cm³ (25,4 oz)

81262 MSM 1000 - 1.000 cm3 (34 oz)

Characteristics

- > metal splash oiler
- > pumping device made of brass
- > rigid and flexible metal outlet tube
- > closed handle for safe handling
- > capacity 200 cm³ (7 oz) up to 1.000 cm³ (34 oz)

41300 Plastic measures set acid

- \rightarrow 3 x measure "serie KMB": 0,5 l, 1 l and 2 l
- 6 x funnel "serie KT": Ø 50, Ø 75, Ø 100, Ø 120, Ø 150 and Ø 160 mm
- > 1 x splash oiler SW 300, capacity 300 cm³ (10 oz)

Professional car sets

Professional sprayers

- > made of polyethylene
- > sprayer head made of brass
- > capacity 750 ml up to 2.000 ml

Set for car care and oil change 40368

"Serie KIZ" 81406/82065/82066





40368 Set for car care and oil change

Characteristics

- > multi-purpose tube MZW 6, PE, 6 l, ø 350 mm
- > measure KMF 1000, 1 l, flexible outlet tube
- oil can funnel KT 115, orange, ø 115 mm
- > rigid outlet tube suitable for fill opening of car motors
- > sprayer KIZ 750

Filling set 41277



41277 Filling set

Characteristics

- > measure KMF 2000, 2 l, flexible outlet tube
- > funnel KT 195, orange, ø 195 mm, with removable filter, made of stainless steel, rigid outlet tube and grip tag e

81406 KIZ 750 - 750 ml

sprayer head with closable nozzle made of brass (externel polyethylene), seals made of EPDM

82065 KIZ 1000 - 1.000 ml

air pressurized, sprayer head with nozzle and suction tube made of brass, seals made of Viton®

82066 KIZ 2000 - 2.000 ml

air pressurized, sprayer head with nozzle and suction tube made of brass, seals made of Viton®

- > transparent
- > sprayer head with adjustable and closeable nozzle
- > KIZ 750 suitable for
- rust removers and low viscosity oils
- self-lubricating and not self-lubricating liquids
- For cleaning liquids
- less aggressive cleaners
- > KIZ 1000 and KIZ 2000 suitable for
- self-lubricating liquids, i.e. low viscosity oils and diesel
- rust removers or antirust- and anticorrosion liquids
- liquids for impregnation, forming oils, release agents and wall paper solver
- contact spray liquids and other not self-lubricating liquids
- low aggressive solvents- and cleaning agents
- biological and chemical pesticides
- liquid weed killer
- > suitable for **non-explosive** liquids only



DIESEL FUEL OR ADBLUE®. REFUEL WITH US!

Our diesel range: made for your requirements.

The agricultural and construction machines are growing bigger and their tanks accordingly. Therefore you have a need for electric pumps with an adequate output. This is why our 12 V/24 V-electric pumps "Dieselmatic®" as well as their 230 V-versions with flow rates between 35 and 80 liters diesel fuel per minute help you to reduce the time for refuelling, allowing you more working hours.

Almost all of our "Dieselmatic®" pumps are equipped with automatic delivery pistols which shut off automatically when the tank is full. Our electric pumps are self-priming, i.e. they do not need to be prefilled. Design and configuration meet your professional requirements: oil-proof electric cable, foot valve and strainer, protection against self-emptying of your diesel container, professional hose end fittings, conically sealing fittings, diesel-proof hoses, integrated by-pass, support for automatic delivery pistol and — last but not least — easy mounting.

AdBlue® has its share in the reduction of polluant emissions of diesel fuelled vehicles — an issue which we take very seriously. For this reason

we have adapted and developed our hand and electric pump range to the specialized requirements of AdBlue®. By the way, these pumps are also suitable for IBC-tanks using a CDS-/SEC-connector.



Agricultural machines are growing bigger and need electric pumps.

03 Diesel

Professional electric pumps	
for diesel fuel with 12 or 24 V	85
Professional electric pumps for	
diesel fuel with 230 V	88
Professional pumps for urea	
solution AdBlue®	87
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Professional electric pumps for diesel fuel with 12 or 24 V

- > self-priming electric pump without pre-filling
- > suction hose with foot strainer
- > delivery hose
- > oil-proof connecting cable with alligator clips

Dieselmatic® 35 35 l/min 80277

Dieselmatic® 40 40 l/min 09866 with 40200 Dieselmatic® 80 80 l/min 40681



80277 Dieselmatic® 35 type E 12 V with plastic delivery pistol

40255 Dieselmatic® 35 type S 12 V with automatic delivery pistol AP 60

80493 Dieselmatic® 35 type E 24 V with plastic delivery pistol

40256 Dieselmatic® 35 type S 24 V with automatic delivery pistol AP 60

Characteristics

- > self-priming electric pump without pre-filling
- > plastic delivery pistol (type E) or automatic delivery pistol (type S)
- > illuminated on-/off-switch
- > 2" BSP connector for barrels and tanks
- > 3,5 m suction hose with foot strainer, nom. diam. 19, 3 /4" BSP
- > 1,25 m delivery hose, nom. diam. 19, 3 /4" BSP
- > 1,25 m oil-proof connecting cable with alligator clips
- > 9 A, IP 44, engine power 0,11 kW (12 V), 6 A, IP 44, engine power 0,14 KW (24 V)
- output approx. 35 l/min with free discharge



09723 Dieselmatic® 40 type E 12 V with metal delivery pistol

09722 Dieselmatic® 40 type S 12 V with automatic delivery pistol AP 80

09865 Dieselmatic® 40 type E 24 V with metal delivery pistol

09866 Dieselmatic® 40 type S 24 V with automatic delivery pistol AP 80

40200 Digital flow meter for Dieselmatic® 40

Characteristics

- > self-priming electric pump without pre-filling with bypass for diesel fuel and heating oil
- > specially designed for on-site refilling of agricultural and construction vehicles or machinery
- > 2" BSP connector for barrels and tanks
- > 1,5 m suction hose with foot strainer, nom. diam. 25, 1" BSP
- > 4 m delivery hose, nom. diam. 25, 1" BSP
- > 1,5 m oil-proof connecting cable with alligator clips
- > 16 A, IP 55, engine power 0,14 KW (12 V),
- > 13 A, IP 55, engine power 0,16 kW (24 V)
- > output approx. 40 l/min with free discharge



40681 Dieselmatic® 80 type S 12 V with automatic delivery pistol AP 80

40155 Dieselmatic® 80 type S 12 V with automatic delivery pistol AP 80 and flow meter

40266 Dieselmatic® 80 type S 24 V with automatic delivery pistol AP 80

40156 Dieselmatic® 80 type S 24 V with automatic delivery pistol AP 80 and flow meter

40725 Digital flow meter

for Dieselmatic® 80

- > self priming electric pump without pre-filling, with by-pass for diesel fuel
- poperating cycle 30 min.
- > automatic delivery pistol
- on-/off-switch
- > 2" BSP connector for barrels and tanks
- > 1,6 m suction hose with foot strainer, nom. diam. 25, 1" BSP
- > 4 m delivery hose, nom. diam. 25, 1" BSP
- > 2 m oil-proof connecting cable with alligator clips
- > 24 A, IP 55, engine power 0,48 KW (12 V), 21 A, IP 55, engine power 0,72 kW (24 V)
- output approx. 80 l/min with free discharge

Professional electric pumps for diesel fuel with 230 V

- > self-priming electric pump without pre-filling for refilling with diesel fuel
- > suction hose with foot strainer or foot valve
- > delivery hose
- > oil-proof connecting cable with alligator clips

Dieselmatic® plus 35 35 l/min 40159 with 40015

Dieselmatic® plus 60 60 l/min 40545

Dieselmatic® plus 70 70 l/min 40815



81891 Dieselmatic® plus 35 type E with plastic delivery pistol

40159 Dieselmatic® plus 35 type S with automatic delivery pistol AP 60

40015 Electronic flow meter for automatic delivery pistol AP 60 for

Characteristics

Dieselmatic® plus 35

- > self-priming electric pump without pre-filling for refilling with diesel fuel
- > plastic delivery pistol (type E) or automatic delivery pistol (type S)
- > 2" BSP connector for barrels and tanks
- > illuminated on / off switch
- > 1,5 m suction hose with foot strainer, nom. diam. 19, 3/4" BSP
- > 2,5 m rubber delivery hose with foot strainer, nom. diam. 19, 3/4" BSP
- > 2 m oil-proof connecting cable with plug, ready to use
- > 230 V, 50 Hz, 1 A, IP 44, engine power
- > output approx. 35 l/min with free discharge



40544 Dieselmatic® plus 60 type E with metal delivery pistol

40545 Dieselmatic® plus 60 type S with automatic delivery pistol AP 60

40818 Dieselmatic® plus 60 type S with automatic delivery pistol AP 60 and digital flow meter

40813 Digital flow meter

for Dieselmatic® plus 60

Characteristics

- > self-priming electric pump without pre-filling, with by-pass for the fast filling with diesel fuel or heating oil
- > built in: safety lifiting valve
- > 2" BSP connector for barrels and tanks
- > 1,6 m suction hose with foot valve and strainer, nom. diam. 25, 1" BSP
- > 4 m delivery hose, nom. diam. 25, 3/4" BSP
- > illuminated on / off switch
- > delivery pistol support AP 60 for type S
- > 3 m oil-proof connecting cable with plug, ready to use
- > metal delivery pistol (type E) or automatic delivery pistol (type S)
- > 230 V, 50 Hz, 2,2 A, IP 55, engine power 0,37 kW
- output approx. 60 l/min with free discharge



40831 Dieselmatic® plus 70 type S with automatic delivery pistol AP 90

40815 Dieselmatic® plus 70 type S with automatic delivery pistol AP 90 and digital flow meter

40813 Digital flow meter

for Dieselmatic® plus 70

- > self-priming electric pump without pre-filling, with by-pass for the fast filling with diesel fuel or heating oil
- > automatic delivery pistol
- > safety lifiting valve
- > 2" BSP connector for barrels and tanks
- > 1,6 m suction hose with foot valve and strainer, nom. diam. 25, 1" BSP
- > 4 m delivery hose, nom. diam. 25, 1" BSP with professional hose end fittings
- > illuminated on / off switch
- > delivery pistol support AP 90
- > 3 m oil-proof connecting cable with plug, ready to use
- > 230 V, 50 Hz, 2,2 A, IP 55, engine power 0,55 kW
- output approx. 70 l/min with free discharge

Professional pumps for urea solution AdBlue®

- > manual or electronic pumps
- > suitable for AdBlue®

Stainless steel manual pump "EP-02" 80746

Rotary pump 308200

Electric pump "Bluematic" maxi type S 40240







80746 EP 02/20-60

with bung adaptor for plastic canisters with female thread

80747 EP 02/200

with 2" BSP bung adaptor

Characteristics

- \rightarrow for 20 60 l or 200 l barrels
- > appropriate for aggressive chemicals
- > teflon sealings
- > output approx. 0,25 l/stroke
- > 2" BSP connection

308200 MZR-04/200 Blue with suction tube 40298 MZR-04/200 Blue

with CDS-/SEC-adaptor for IBC-containers and 2 m PVC-hose (without suction tube)

40292 MZR-04/200 Blue

with Mauser-adaptor, 2 m PVC-hose and suction tube

40724 2 m PVC-hose with pourer 41307 3 m PVC-hose with pourer

81990 Adaptor 2" BSP (f) x 2" BSP (m) for coarse thread type Mauser 09618 Tri-Sure 2 adaptor

Characteristics

- of for 200 I barrels
- > made of polypropylene
- output approx. 0,25 l/stroke

Accessories Bluematic maxi

40520 Electronic flow meter 1" measuring accuracy +/- 0,5%, 8 - 110 l/min 366010 Electronic flow meter 1/2", measuring accuracy +/- 0,5%, 1 - 50 l/min

560901 CDS-/SEC connector for IBC-containers

stainless steel, for Bluematic maxi, with swivel

80937 Plastic delivery pistol

80289 Automatic delivery pistol

For IBC-containers

40243 Bluematic maxi type S 40239 Bluematic maxi type S with electronic flow meter

40242 Bluematic maxi type S with CDS-/SEC-connector for IBC-containers 40240 Bluematic maxi type S

with CDS-/SEC-connector for IBC-containers and electronic flow meter

Für plastic barrels

41291 Bluematic maxi type E 41292 Bluematic maxi type E with electronic flow meter 41293 Bluematic maxi type S 41294 Bluematic maxi type S with electronic flow meter

- > self-priming stainless steel pump
- > automatic delivery pistol (type S) or plastic delivery pistole (type E)
- > version for plastic barrels with gun holder
- > 4 m delivery plastic textile hose, nom. diam. 19, 3/4" with hose end fittings
- > suction hose nom. diam. 19
- 1 m, with foot valve and hose end fittings (40242, 40240, 40188), or
- 1 m, with hose end fittings (41291, 41292, 41293, 41294), or
- 2,5 m, with foot valve and hose end fittings 40243, 40239)
- > 230 V, 50 Hz, 2,4 A, IP44, engine power
- > output approx. 40 l/min with free discharge

Professional pumps for urea solution AdBlue®

- > manual or electronic pumps
- > suitable for AdBlue®

Lever pump "HP-05/25-200" AdBlue® 300006

Electronic pump Bluematic EMP 560304400





300006 HP-05/25-200 for AdBlue®

40334 Set HP-05/25-200 for AdBlue® with G 2"a barrel adaptor and 2 m PVC-hose (with pourer)

Characteristics

- > high-quality pump made of polypropylen with packings made of EPDM
- > suitable for water, windshield water fluid, antifreeze, detergents, agricultural chemicals, DEF and AdBlue®
- > extreme operational, extremely efficient
- > connecting thread 2", bent outlet spout
- G 2" drum adapter
- > telescopic suction tube, 3 parts, length 320/700/980 mm - for 20/25 l
- > canisters, 50 l and 200 l barrels
- output 0,5 l/stroke (approx. 16 l per min)

Accessories HP-05/25-200

40724 2 m PVC-hose with pourer 41307 3 m PVC-hose with pourer

Bluematic EMP

Characteristics

- » self priming multi-diaphragm pump with no mechanical seals designed for dispensing AdBlue®
- > Bluematic EMP with 12 V (engine power 0,14 kW), 24 V (engine power 0,2 kW) or 230 V (engine power 0,4 kW)
- > inlet/outlet connection 1" BSP (M)
- > maximum continuous run 30 minutes
- > maximum delivery up to 32 l/min with free discharge
- > EDPM suction hose, 3/4", EDPM delivery hose 4,0 m x 3/4" and connecting clip
- > automatic (stainless steel) or manual (thermoplastic) nozzle
- > with different suction hoses, foot valve or CDS-/SEC-adaptor, plastic or automatic nozzle, with bracket for 200 I tanks (steel or plastic)

Bluematic EMP variations

ART.NO.	DESIGNATION	SUCTION HOSEWITH		FUEL NOZZLE	BRACKET	METER
560310400	EMP-12 V Basic for trolleys	2,5 m	foot valve	plastic	no	no
560320400	EMP-24 V Basic for trolleys	2,5 m	foot valve	plastic	no	no
560300400	EMP-230 V Basic for trolleys	2,5 m	foot valve	plastic	no	no
560305400	EMP-230 V Basic mobile	2 m	CDS-/SEC- adaptor	plastic	no	no
560301400	EMP 230 V for IBC/barrel (steel)	1 m	CDS-/SEC- adaptor	plastic	yes	no
560306400	EMP-230 V Basic for trolleys	2 m	CDS-/SEC- adaptor	no	no	yes
560303400	EMP-230 V for IBC/barrel (steel)	1 m	CDS-/SEC- adaptor	automatic	yes	no
560304400	EMP-230 V Basic for IBC/barrel (steel)	1 m	CDS-/SEC- adaptor	no	yes	yes

03 DIESEL

Mobile dispenser for **AdBlue®**

- > fully compatibles with Urea/AdBlue® solutions
- > "Directflo®" double diaphragm air operated pump (polypropylene body and PTE diaphragms) or electrical pump EMP
- optinoal with reel

AdBlue®accessories

Accessories for AdBlue® 569003 / 569006 / 560905 / 40157 / 82148

Mobile dispenser for AdBlue® 557952400 / 560307400







with diaphragm pump "Directflo®" DF 30

557952 Mobile dispenser with DF 30, automatic nozzle and hose reel for air automatic nozzle with reduced discharge, max. 10 l/min, 15 m hose reel for air, serie 500 557952400 Mobile dispenser with DF 30, nozzle Elaflex and hose reel for air automatic nozzle, version Elaflex ZVA, 15 m hose reel for air, serie 500

557953 Mobile dispenser with DF 30 and automatic nozzle automatic nozzle with with reduced discharge, max. 10 l/min 557953 Mobile dispenser with DF 30 and nozzle Elaflex automatic nozzle, version Elaflex ZVA

with electric pump EMP 230 V

560307 Mobile dispenser with EMP 200 V, automatic nozzle and cable reel automatic nozzle with reduced discharge, max. 10 l/min, 15 m cable reel 560307400 Mobile dispenser with EMP 200 V, nozzle Elaflex and cable reel automatic nozzle, version Elaflex ZVA, 15 m cable reel

560308 Mobile dispenser with EMP 200 V and automatic nozzle automatic nozzle with reduced discharge, max. 10 l/min 560308 Mobile dispenser with EMP 200 V and nozzle Elaflex automatic nozzle, version Elaflex ZVA

Characteristics

- > heavy-duty drum trolley for 200 I drums
- > output approx. 4 30 l/min
- > in-line meter with digital display
- > automatic nozzle with limited outlet (max. 10 l/min)
- > 0,7 m suction hose, G 3/4"
- 3 m delivery hose, G 3/4"
- > drum connector

Automatic nozzles

569003 Automatic nozzle for the fuelling of commerical vehicles and transporter, length 58 mm, ø inside 20 mm, ø outside 37 - 39 mm

569005 Automatic nozzle with swivel, for the fuelling of cars, (max. 10 l/min.)

569006 Automatic nozzle version Elaflex, 1", suitable for DF pumps

Hoses / suction tubes

560905 Hose set for IBC 3 m, with PVC hose and IBC adaptor 1" **930505 EPDM hose** Ø 13 x 4 930507 EPDM hose Ø 19 x 4.5 **80477 EPDM hose** Ø 16 x 4 **80727 PVC hose** Ø 19 x 4

Pump holder

360131 Holder **DF** for DF 30, 50, 100 360137 Holder for 200 I barrels 40157 Holder for IBC 82148 Holder for 200 I plastic container, including gun holder

Suction tube

560906 Suction tube for CDS-/ SEC connector with 2" Tri-Sure

Spare parts and accessories for diesel fuel pumps

- > delivery pistols
- > delivery and suction hoses
- > flow meter
- > hose reels
- > adaptors

Dieselmatic®

35	40	80	plus 35	plus 60	plus 70
12/24 V	12/24 V	12/24 V			

Delivery pistols

40009

Metal delivery pistol, 3/4" BSP







40010

Metal delivery pistol, 1" BSP.





40011

Automatic delivery pistol AP 60, ø 24 mm, 3/4" BSP with swivel









40519

Automatic delivery pistol AP 80, ø 27 mm, 1" BSP with swivel







40033

Automatic delivery pistol AP 90, ø 24 mm, 1" BSP with swivel .











688100

Automatic delivery pistol AP 120, ø 29 mm, 1" BSP with swivel _







Delivery hose

40017

4 m delivery hose, nom. diam. 19, 3/4" BSP 80478 1 m additional delivery hose







40018

4 m delivery hose, nom. diam. 25, 1" BSP 80479 1 m additional delivery hose.





Suction hose

40021

1,6 m suction hose,











nom. diam. 25, 1" BSP_

Flow meter

40813

Digital flow meter, 3/4" BSP mechanical, resettable, display of flow rate and total delivery, vertical flow direction





40200

Digital flow meter, 1" BSP mechanical, resettable, display of flow rate and total delivery, vertical flow direction_







40725

Digital flow meter, 1" BSP mechanical, resettable, display of flow rate and total delivery, horizontal flow direction.





40015

Electronic flow meter, 3/4" BSP resettable, display of flow rate and total delivery_





35



Automatic hose reel

508225

Automatic hose reel Single arm with 15 m delivery hose, nom. diam. 25, 1" BSP.







2" BSP (m) adaptor

81696

2" BSP (m) adaptor for barrels and tanks.











Delivery pistol

40595

Delivery pistol support AP 60











Wall mounting bracket

40030

Wall mounting bracket with assembly kit, connection hose and 2" BSP adaptor.













NOT EASY, BUT FEASIBLE.

Directflo®-pumps and much more.

In this section we would like to open a new chapter about pumping, measuring and dosing of fluids by presenting to you our range of new pneumatic pumps which can be used for automotive fluids like antifreeze and windshield cleaner or chemicals fluids like paint solvents, detergents, alcohols etc.

Before doing so, though, we would like to introduce you to our range of "little useful helpers" like measures made of polypropylene and multi-purpose pumps made of plastic for paint thinners, detergents, antifreeze, acids etc.

"Last but not least" you will find at the end of this chapter our programme for the handling of epoxy resins as used in the concrete repair business.

For the usage of selected chemical fluids.



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Professional hand pumps for chemicals

- > for different types of chemicals (please ask for list of suitable chemicals)
- of for barrels up to 200 l

Siphon pump

300100/300101

Syphon pump for chemistry 300103 / 300104

Multi-pump "MP-04" 09604







300100 Syphon pump 25 I

for 25 l canisters with 0,5 m plastic hose and 390 mm suction tube

300101 Syphon pump 200 I

for 200 l barrels with 1,2 m plastic hose, hose holder, G 2"a barrel adaptor and 850 mm suction tube

Characteristics

- > extreme operational, extremely efficient
- > suitable for kerosene, light oils, light diesel, light solvents, toluene, non drinking water, etc.
- > wetted parts:
- Polyethylene (HD)
- Stainless Steel
- EVA
- > barrel plug
- > flow rate 0,1 l/stroke (300100) or 0,3 l/stroke (300101)
- maximum flow rate 7 l/min (300100) or 19 l/min (300101) with siphoning effect

300103 Syphon pump chemistry 25 I

for 25 l canisters with 0,5 m plastic hose and 390 mm suction tube

300104 Syphon pump chemistry 200 I

for 200 l barrels with 1,2 m plastic hose, hose holder, G 2"a barrel adaptor and 850 mm suction tube

Characteristics

- > extreme operational, extremely efficient
- suitable for kerosene, light oils, light diesel, light solvents, toluene, non drinking water, thinner, hydrochloric acid (35 %), nitric acid (35 %), sulfuric acid (35 %), acetic acid (35 %)
- > wetted parts:
- Polyethylene (HD)
- Stainless Steel
- > flow rate 0,1 l/stroke (300103) or 0,3 l/stroke (300104)
- maximum flow rate 7 l/min (300103) or 19 l/min (300104) with siphoning effect

09604 MP-04/50

for strong acid-based chemicals and cleaners

09614 MP-04/200

for strong acid-based chemicals and cleaners

09605 MP-04/50 super

premium pump for special applications, e.g. for dissolvent, paint thinner

09615 MP-04/200 super

premium pump for special applications, e.g. for dissolvent, paint thinner

40082 2 m rubber hose

with outlet spout for MP-04 and MP-04 super

09619 Universal adaptor

for 50/60 I barrels and other containers without thread

Characteristics

- > for special applications, extremely efficient
- > for diluent, cleaner, antifreeze, acids, fertilizer etc. (please ask for list of suitable chemicals)
- bent spout, 2" BSP bung adaptor
- > 470 mm (MP-04/50) or 950 mm (MP-04/200) suction tube length
- output 0,25 l/stroke

Hallbauer-Industries – A Division of Samoa-Hallbauer GmbH, Industriestraße 18, 68519 Viernheim (Germany)

Professional hand pumps for chemicals

- > for different types of chemicals (please ask for list of suitable chemicals)
- of for barrels up to 200 l

Hand pump "LMP-05" and "LVP-05"

09531



Stainless steel hand pump "EP-02"

80746



Lever pump "HP-05/25-200" AdBlue®

300006



09531 LMP-05 for dissolvent

with 2 m rubber hose and ball valve with outlet spout

40371 LMP-05 electrically conductive

with 1,5 m electrically conductive hose for two-stroke fuel-oil mixture

40057 LVP-05 for paint thinner

with 2 m rubber hose and ball valve with outlet spout

Characteristics

- > versatile, high output
- > suitable for dissolvent, paint thinner etc. (please ask for list of suitable chemicals)
- > with Viton sealings
- of for 200 I barrels
- > telescopic suction tube
- output 0,5 l/stroke

80746 EP 02/20-60

with bung adaptor for plastic canisters with female thread

80747 EP 02/200

with 2" BSP bung adaptor

Characteristics

- \rightarrow for 20 60 l or 200 l barrels
- > appropriate for aggressive chemicals
- > teflon sealings
- output approx. 0,2 l/stroke
- > 2" BSP connection

300006 HP-05/25-200 for AdBlue®

40334 Set HP-05/25-200 for AdBlue® with G 2"a barrel adaptor and 2 m PVC-hose (with pourer)

Characteristics

- > high-quality pump made of polypropylen with packings made of EPDM
- > suitable for water, windshield water fluid, antifreeze, detergents, agricultural chemicals, DEF and AdBlue®
- > extreme operational, extremely efficient
- > connecting thread 2", bent outlet spout
- G 2" drum adapter
- > telescopic suction tube, 3 parts, length 320/700/980 mm - for 20/25 l
- > canisters, 50 l and 200 l barrels
- > output 0,5 l/stroke (approx. 16 l per min)

Accessories HP-05/25-200

40724 2 m PVC-hose with pourer 41307 3 m PVC-hose with pourer

Professional pneumatic pumps for chemicals

- > very versatile pumps
- > suitable for many liquids (please ask for list of suitable chemicals)

"Fluidmaster 1" DP-C 1:1

330100

"Fluidmaster 2" DP-C/NI 1:1

601202





330100 "Fluidmaster 1" DP-C 1:1

Characteristics

"Fluidmaster 1" DP-C 1:1 is a low pressure transfer pump for slightly corrosive chemicals with low viscosity such as paint solvents, cleaning fluids, antifreeze (glycol), detergents, grease removers, alcohols, turpentine, petrochemical products, anticorrosion products, light inks, lacquer, wood varnish etc.

- > pressure ratio 1:1
-) air piston diameter 36 mm
- air piston stroke 80 mm
- maximum output 15 l/min¹
- > minimum air pressure 2 bar (29 psi)
- maximum air pressure 8 bar (115 psi)
- > maximum fluid pressure 8 bar (115 psi)
- air inlet 1/4" BSP (f) with needle valve
- > fluid outlet 3/8" BSP (m)
- \flat fluid inlet 3/8" BSP (f) with adaptor for suction hose nom. diam. 1/2" BSP
- > 3/4" BSP (m) bung adaptor
- > wetted parts aluminum, stainless steel, chromium steel, PTFE, Viton

601202 "Fluidmaster 2" DP-C/NI 1:1

Characteristics

"Fluidmaster 2" DP-C/NI 1:1 is a double-acting low pressure pump with high output. "Fluidmaster 2" DP-C/NI 1:1 pneumatic pumps are suitable only for antifreeze solvents on base of glycol (diluted or undiluted). Pumps can be used as transfer pumps or in pipeline systems with automatic hose reels and electronic hose end meters.

- pressure ratio 1:1
- > suction tube diameter 52 mm
- > air piston diameter 51 mm
- air piston stroke 75 mm
- > maximum output 55 l/min¹
- > minimum air pressure 3 bar (45 psi)
- maximum air pressure 10 bar (145 psi)
- maximum fluid pressure 10 bar (145 psi)
- air inlet 1/4" BSPT(f)
- > fluid outlet 3/4" BSP (f)
- > fluid inlet 1" BSP (f)
- > 2" BSP height-adjustable bung adaptor
- > wetted parts nickel-coated aluminum, steel, stainless steel, acetal, polyurethane

¹ with free discharge at 7 bar (100 psi) air inlet pressure, using water

Professional pneumatic pumps for chemicals

- > very versatile pumps
- > suitable for many liquids (please ask for list of suitable chemicals)

"Fluidmaster 2" DP-C 1:1

331120

"Fluidmaster 4" DP-C 3:1

333120





331120 "Fluidmaster 2" DP-C 1:1

Characteristics

"Fluidmaster 2" DP-C 1:1 is a double-acting low pressure pump with high output manufactured in AISI 316 stainleess steel. "Fluidmaster 2" DP-C 1:1 air-operated pumps can be used as transfer pumps or in pipeline systems with several outlets even with simultaneous operation.

Pumps are suitable for slightly corrosive fluids with low viscosity such as paint solvents, cleaning fluids, antifreeze (glycol), detergents, grease removers, alcohols, turpentine, petrochemical products, anticorrosion products, light inks, lacquer, wood varnish etc.

Technical data

- > pressure ratio 1:1
- > suction tube diameter 52 mm
- air piston diameter 51 mm
- air piston stroke 75 mm
- > maximum output 38 l/min1
- > minimum air pressure 3 bar (45 psi)
- > maximum air pressure 10 bar (145 psi)
- air inlet 3/4" BSP (f)
- > fluid outlet 3/8" BSP (f)
- > fluid inlet 1" BSP (f)
- > 2" BSP height-adjustable bung adaptor
- > wetted parts acid-proof steel AISI 316, PTFE, Viton®

333120 "Fluidmaster 4" DP-C 3:1

Characteristics

"Fluidmaster 4" DP-C 3:1 is a double-acting medium pressure pump with high output manufactured in AISI 316 stainless steel. "Fluidmaster 4" pneumatic pumps can be used in large pipeline systems with automatic hose reels and electronic hose end meters with several outlets even with simultaneous operation.

Pumps are suitable for slightly corrosive fluids with low viscosity such as paint solvents, cleaning fluids, antifreeze (glycol), detergents, grease removers, alcohols, turpentine, petrochemical products, anticorrosion products, light inks, lacquer, wood varnish e etc.

Technical data

- pressure ratio 3:1
- suction tube diameter 52 mm
-) air piston diameter 88 mm
- air piston stroke 100 mm
- > maximum output 45 l/min¹
- > minimum air pressure 3 bar (45 psi)
- > maximum air pressure 10 bar (145 psi)
- > maximum fluid pressure 30 bar (435 psi)
- air inlet 3/8" BSP (f)
- > fluid outlet 3/4" BSP (f)
- > fluid inlet 1" BSP (f)
- > 2" BSP height-adjustable bung adaptor
- > wetted parts stainless steel, PTFE and Viton®

¹ with free discharge at 7 bar (100 psi) air inlet pressure, using water

Professional air-operated double diaphragm pumps

- > innovative and compact design
- > reduced number of components
- > extremely easy maintenance and longer service intervals
- > reduced air consumption and flow pulsation
- > quiet and almost vibration-free operation
- > improved suction capacity, superior performance against back pressure
- > longer lifetime of diaphragms

"Directflo"® DF 50

552010

"Directflo"® DF 100

551030



552010 DF 50

suitable for lubricants, waste oil, antifreeze (glycol) and water

Wetted parts: Aluminum, NBR, Hytrel®

Pump body: Aluminum Diaphragms: Hytrel® Balls: Acetal

Characteristics

"Directflo®" DF 50 is an air-operated double diaphragm pump with high output fully enclosed in an aluminium shield. "Directflo®" DF 50 pumps are designed to be used as both transfer and system pumps. As system pumps they can work on demand, e.g. starting immediately once a delivery valve is opened and stopping once it is closed.

- > pressure ratio 1:1
- > maximum output 50 l/min1
- > 0,1 | delivery/cycle1
- > minimum air pressure 1,5 bar (22 psi)
- > maximum air pressure 8 bar (115 psi)
- > maximum size of solids 3 mm
- > maximum dry suction head 6 m1
- > maximum wet suction head 8 m1
- > weight 3,5 kg
- air inlet 3/8" NPSM (f)
- > fluid outlet 1/2" BSP (f) and flange
- > fluid intlet 1/2" BSP (f) and flange



551030 DF 100

suitable for lubricants, waste oil, antifreeze (glycol), transmission fluid and water

Wetted parts: Aluminum, NBR, Hytrel®

Pump body: Aluminum Diaphragms: Hytrel® Balls: Acetal

Characteristics

"Directflo®" DF 100 is an air-operated double diaphragm pump with very high output fully enclosed in an aluminium shield and extremely robust. "Directflo®" DF 100 pumps can be used for fluid transfer, evacuation and within distribution systems. As system pumps they can work on demand, e.g. starting immediately once a delivery valve is opened and stopping once it is closed.

- > pressure ratio 1:1
- > maximum output 100 l/min1
- > delivery 0,25 l/cycle1
- > minimum air pressure 1,5 bar (22 psi)
- > maximum air pressure 8 bar (115 psi)
- > maximum size of solids 4 mm
- > maximum dry suction head 4,5 m¹
- > maximum wet suction head 7 m¹
- > weight 7,2 kg
- > air inlet 3/8" NPSM (f) > fluid outlet 1" BSP (f) and flange
- > fluid intlet 1" BSP (f) and flange

¹ with free discharge at 7 bar (100 psi) air inlet pressure, using water 20° C

Professional mixing device

Professional plastic measures

made of polypropylene with open handle, easy stackable

Mixing device FAM

81141

Plastic measures "Serie KMB" 89094/81420

Plastic measures set KMB 40860



81141 FAM-200 for 200 I barrels

Characteristics

The barrel or canister mounted mixing device FAM can be used for producing stable and homogeneous emulsions within a certain concentrate range. A water flow regulator and fine control valve allow mixing ratios from 0 to 10%.

- > throughput up to 1.500 l/hour
- > flow pressure 1,5 to 10 bar (22 to 145 psi)
- > water connection 1/2" BSP
- > suction tube
- > ball valve, non-return valve
- > 2 m delivery hose with outlet spout



82094 KMB 100 - 100 ml

81417 KMB 250 - 250 ml ø bottom side 50 mm, height 120 mm

81418 KMB 500 - 500 ml ø bottom side 70 mm, height 135 mm

81419 KMB 1000 - 1.000 ml ø bottom side 90 mm, height 170 mm

81420 KMB 2000 - 2.000 ml

ø bottom side 105 mm, height 215 mm

81421 KMB 3000 - 3.000 ml

ø bottom side 120 mm, height 240 mm

81422 KMB 5000 - 5.000 ml

ø bottom side 150 mm, height 270 mm

Characteristics

- > made of polypropylene
- $^{\circ}$ temperature resistance -10° C up to +100° C
- > confort grip, pouring edge
- > easy stackable
- > transparent for visual control of filling level
- > scale in millilitres



40860 Set KMB

- > temperature resistance -10° C up to +100° C
- > set consisting of
- KMB 500 $\,-\,$ 500 ml
- KMB 1000 1.000 ml
- KMB 2000 2.000 ml

Professional delivery pistols and electronic flow meters

- > for windscreen liquid, antifreeze concentrate and other water-soluble liquids
- connecting thread 1/2" BSP (f)
- maximum pressure 40 bar (580 psi)

Fluid pistol

186300

Fluid pistol with electronic flow meter 365675





186300 Fluid pistol

Characteristics

- > housing made of polypropylene, glass fiber coated
- > valve mechanism made of stainless steel
- > swivel
- > including flexible outlet
- > maximum flow rate 15 l/min

365675 Fluid pistol

with electronic flow meter

- > fluid pistol as under 186300 described
- > resettable LCD display, 4 digits and display of total delivery
- \rightarrow for liquids with operating temperature from 10° C up to +55° C
- > minimum flow rate 5 l/min, maximum flow rate 15 l/min
- \rightarrow measuring accuracy \pm 0,5%, easy on-site calibration
- > including two standard batteries, easy to replace

4 CHEMICALS

Professional lever gun for epoxy resins

- > concrete repair business
- > capacity 500 cm³ (17 oz) or 1.000 cm³ (34 oz)

Lever gun "X-TRA" 40804

Lever gun "X-TRA" concrete repair 41046 / 41047 / 82114





40804 "X-TRA" oilproof/M (DIN 1283)

40805 "X-TRA" oilproof/BSP

40669 "X-TRA" oilproof/M (DIN 1283)

with extension pipe 150/M and 4-jaw Profi-nozzle with check-valve 120/M

41280 "X-TRA" oilproof/BSP

with extension pipe 150/BSP

Characteristics

- > display carton with 💜
- > for concrete repair business
- > capacity 500 cm³ (17 oz)
- > professional lever oil gun made of precision steel, robust and durable
- > ultimate suction power with full-stroke system
- > for safety reasons with curved lever
- \rightarrow wall thickness of grease gun tube 1,2 mm
- > air bleed valve and double seal
- > working pressure 400 bar (5.800 psi)
- \rightarrow connecting thread M = M 10 x 1, 1/8" BSP = G 1/8"

41046 "X-TRA 500"/M concrete repair capacity 500 cm³ (17 oz)

41305 "X-TRA 500"/M concrete repair with manometer and 110/M $\,$

with safety high-pressure rubber hose 110/M with 4-jaw Profi-nozzle capacity 500 cm³ (17 oz)

41047 "X-TRA 1000"/M concrete repair

capacity 1.000 cm³ (34 oz)

82114 "X-TRA 1000"/M concrete repair

capacity 1.000 cm^3 (34 oz), with screw cap made of metal at the end of the pipe

- display plastic bag (41046, 41047, 82114) or neutral cardboard box, white (41305)
- > capacity 500 cm³ (17 oz) or 1.000 cm³ (34 oz)
- for concrete repair business
- > for suit runny expoxy resins, oils and low viscosity greases
- $\boldsymbol{\mathsf{y}}$ ultimate suction power with full-stroke system
- > professional lever oil gun made of precision steel, robust and durable
- air bleed valve
- > 41046, 41305, 41047 with blue plastic cap
- > 82114 with screw-cap, made of metal
- > working pressure 400 bar (5.800 psi)
- \rightarrow connecting thread M = M 10 x 1

Accessories for concrete repair business

- > safety high-pressure rubber hoses
- > profi-nozzles for epoxy resins

Safety high-pressure rubber hose with nozzle for epoxy resins

02501/02503/02505

4-jaw Profi-nozzles for epoxy resins

07122/07131





300 mm (12 inch)

02501 110/M

with 4-jaw Profi-nozzle (tested by DLG)

02531 110/BSP

with 4-jaw Profi-nozzle

40734 110/NPT

with 4-jaw Profi-nozzle

02506 112/M

with hook-on coupler M 1

for button-head grease fittings ø 16 mm

02536 112/BSP

with hook-on coupler M 1

for button-head grease fittings ø 16 mm

500 mm/20 inch

02503 111/M

with 4-jaw Profi-nozzle

02533 111/BSP

with 4-jaw Profi-nozzle

02510 113/M

with hook-on coupler M 1

for button-head grease fittings ø 16 mm

02540 113/BSP

with hook-on coupler M 1

for button-head grease fittings ø 16 mm

1.000 mm / 39 inch

02505 1110/M

with 4-jaw Profi-nozzle

40318 1110/BSP

with 4-jaw Profi-nozzle

07122 120/M 4-jaw Profi-nozzle 07123 120/BSP 4-jaw Profi-nozzle

07124 120/NPT 4-jaw Profi-nozzle

07131 Angled nozzle 90°/M 40459 Angled nozzle 90°/BSP

- of for packers with hydraulic grease fittings (DIN 71412)
- > 4 jaws turned out of a single piece of highly elastic quality steel forming a circle to ensure precise coupling and consistent jaw alignment with
- > durable elastic interior plug and high-performance spring for leak-proof
- > case-hardened steel jaws and upper part of coupler for less wear and more durability
- > working pressure 400 bar (5.800 psi)
- > bursting pressure 1.600 bar (23.200 psi)



Headquarters of Samoa-Hallbauer GmbH in Viernheim.

A cut above.

Through the merger of Hallbauer, with over 90 years of experience, with Samoa Industrial S.A., founded 1958 in Gjion (Spain), the foundation stone for a comprehensive service and a versatile product portfolio, was laid.

As a full-range supplier for handling of fluids especially of lubricants and greases, the Samoa group stands for fair partnership, sustainable manufacturing and first-class product quality. Thereby our production base is state-of-the art, so that we produce products with the greatest performance and most environmental sustainability.

The products of Samoa-Hallbauer and the Samoa Group are used in more than 100 countries all over the world, especially in industry, automotive and other areas. Our aim is to provide the best possible service to all users of our products.

Besides product quality and customer satisfaction employees and social engagement are of prime importance for Samoa-Hallbauer.

We offer a healthy and secure working environment for our employees and contribute to the future generation by being a training company.

Furthermore we commit ourselves socially by supporting non-profit organizations such as Life Aid in Viernheim. We donate on a regular basis to the German blind people relief organization, Caritas, the local branch of the German Red Cross and the local voluntary fire brigade. By doing so we would like to show our social engagement especially in our area.



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40110 19	40378 32	40508 32	40683 25	41006	418013 42	80008 41
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40112 19	40387 27	40512 15	40689 70	41013 20	418026 42	80010 41
40126 19	40388 27	40517 21	40699 28	41014 20	431000 30	80011 41
40131 32	40389 27	40517 32	40700 15	41015 20	431000 73	80012 42
40132 32	40390 27	40518 21	40701 32	41016 20	431001 30	80013 41
40144	40392 27	40518 32	40724 87	41017 20	431001 73	80014 41
40153 26	40396	40519 90	40724 88	41037 14	432000 30	80015 41
40154 26	40397 40	40520 87	40724 96	41038 14	432000	8001741
40155 85	40398	40521 45	40725 85	41046 102	432100 30	80018 41
40156	40399 40	4053027	40725 91	41047 102	432100 73	8001941
40157	40400	40531 23	40727	41067 24	432814 30 432814 73	8002041
40159 86 40181 65	40406	40534 26 40535 69	40729	41076 24 41078 17	506300 38	80081 60 80109 57
40182 65	40407 23	40536	40734	411100 40	506321 38	80127 45
40200 85	40407	40537	40734 103	41271 33	507300 38	80139 47
40200 91	40410	40541 23	40736	41272	507321 38	80185 26
40201 32	40411 23	40542 28	40777	41273 36	508225 91	80185 39
40207	40415 23	40543	40781	41274 12	551030 99	80188 54
40219 23	40419 12	40544	40783 40	41275 17	552010 99	80194 44
40239 87	40424 31	40545	40784	41277 81	557952 89	80207 53
40240 87	40427 29	40546 12	40800 12	41280 102	557952400 89	80246 55
40242 87	40428 23	40548 28	40801 12	41283 32	557953 89	80263 49
40243 87	40435 29	40551 25	40804 102	41284 32	557953400 89	80273 49
40248 40	40437 14	40555 23	40805 102	41285 26	560300400 88	80277 85
40255 85	40440 34	40557 17	40813 86	41291 87	560301400 88	80289 87
40256 85	40441 34	40558 17	40813 91	41292 87	560303400 88	80298 65
40258 26	40442 34	40568 23	40815 86	41293 87	560304400 88	80316 26

00347			1 04007 45		04656 44 1	04004
80317 26	80730 55	81009 54	81087 45	81345 59	81656 44	81891 86
80332 26	80731 55	81010 50	81088 58	81365 60	81658 57	81892 43
80333 26	80732 55	81011 60	81089 45	81385 45	81665 58	81893 44
80366 18	80746 87	81012 53	81090 45	81393 60	81677 44	81894 43
80366 37	80746 96	81013 57	81091 58	81397 35	81696 91	81908 31
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80479 90	80858 55	81022 49	81123 58	81419 74	81748 44	81944 35
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	80886 58	81035	8116177	8143577		
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