



GREASE GUNS AND ACCESSORIES



126 Standard grease guns



130 Industrial grease guns



150 easyFILL and easyFILL ONE 400



152 One hand grease guns



156 One hand grease guns 2014.1



164 Two-hand grease guns



166 Compressed air grease guns



172 PNEUMAxX grease guns



179 Grease guns for 500 g cartridges



180 Battery powered grease gun



182 Oil guns



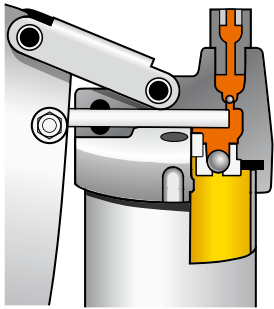
183 Hand lever guns for concrete work



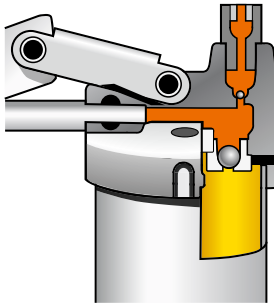
184 Accessories for grease guns

Variable Stroke System

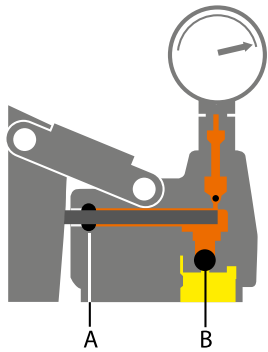
The "Variable Stroke System" even allows for viscous grease, or if there is strong back-pressure (e.g. due to gummy greasing points) to be pumped to the lubrication point. At marginal hand lever opening fat is reliably drawn, respectively pressed into the grease gun head by spring force. This allows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



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



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



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

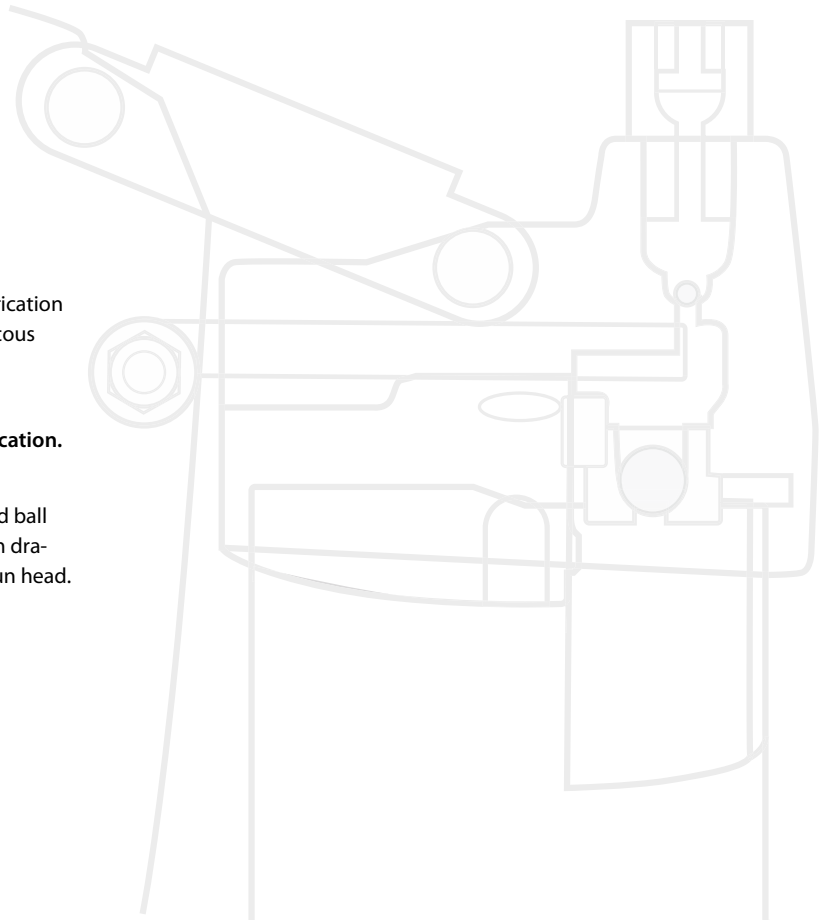
Absolutely no dummy lubrication.

Gasket system: O-ring (A) and ball valve (B) prevent grease from drawing back into the grease gun head.

„Posi Lok“

The five key design features of our construction:

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



Standard grease gun

Spring operated grease supply into the grease gun head



1. Grease gun connection, pressure side G 1/8" or M 10 × 1
2. With or without filling nipple M 10 × 1
3. Diameter of piston for grease supply: 8 mm
4. Grease supply lever operated
5. Wall thickness of grease gun tube: 1,0 mm
6. Lacquered grafite grey or silver
7. Loose or fixed plunger end cap
8. T-grip or L-grip
9. Capacity: 300 cm³, 500 cm³, 750 cm³ or 1000 cm³

Industrial grease gun 1

Spring operated grease supply into the grease gun head



1. Grease gun connection, pressure side G 1/8" or M 10 × 1 utilizing a steel connector
2. Filling nipple M 10 x 1
3. Diameter of piston for grease supply: 9 mm
4. Grease supply lever operated
5. Wall thickness of grease gun tube: 1,0 mm
6. Lacquered black or galvanized
7. Loose plunger end cap
8. L-grip
9. Capacity: 500 cm³

Industrial grease gun 2

Spring operated grease supply into the grease gun head



1. Grease gun connection, pressure side G 1/8" or M 10 × 1 utilizing a steel connector
2. Filling nipple M 10 x 1
3. Diameter of piston for grease supply: 9 mm
4. Grease supply lever operated
5. Wall thickness of grease gun tube: 1,0 mm
6. Lacquered grafite grey
7. Loose or fixed plunger end cap
8. T-grip
9. Capacity: 300 cm³, 500 cm³, 750 cm³ or 1000 cm³

GREASE GUNS AND ACCESSORIES

Industrial grease gun „Elite K9“

Spring operated grease supply into the grease gun head



1. Grease gun connection, pressure side G 1/8" or M 10 x 1 utilizing a steel connector
2. Filling nipple M 10 x 1
3. Diameter of piston for grease supply: 9 mm
4. Grease supply lever operated
5. Wall thickness of grease gun tube: 1,0 mm
6. All steel components are galvanized
7. Loose plunger end cap
8. T-grip
9. Capacity: 500 cm³ or 750 cm³

One hand grease gun, BHP

Spring operated grease supply into the grease gun head



1. Grease gun connection G 1/8" oder M 10 x 1
2. Filling nipple M 10 x 1
3. Diameter of piston for grease supply: 8 mm
4. Grease supply manually one hand operated
5. Wall thickness of grease gun tube: 1,0 mm
6. Lacquered silver
7. Loose plunger end cap
8. L-grip
9. Capacity: 500 cm³

Compressed air grease gun, DLFP

Spring operated grease supply into the grease gun head



1. Grease gun connection, pressure side M 10 x 1
2. With or without filling nipple M 10 x 1
3. Diameter of piston for grease supply: 6 mm
4. Grease supply air operated with single stroke or continuous grease flow
5. Wall thickness of grease gun tube: 1,0 mm
6. Lacquered grafitte grey or silver
7. Loose plunger end cap
8. L-grip
9. Capacity: 500 cm³
10. Airline connection: female quick release connector, Rectus type 26, or hose nozzle 6 mm for hose DN 6

Oil gun, HHÖP



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

Manual lever gun for concrete works, BHHP



- 1. Gun connection, pressure side
G 1/8" or M 10 × 1 utilizing a steel
connector
- 2. -
- 3. Diameter of piston for supply: 8 mm
- 4. Supply lever operated
- 5. Wall thickness of gun tube: 1,0 mm
- 6. All steel components are galvanized
- 7. Sealing cap
- 8. Vacuum air valve
- 9. Capacity: 1000 cm

GREASE GUNS AND ACCESSORIES



Item-No.	Description	Capacity	POSI LOK	Sealing cover fixed	Variable Stroke System
Standard grease guns					
12638	Standard grease gun-HHFP, M 10 x 1	500 cm ³	×		
12 638 125	Standard grease gun-HHFP, G 1/8"	500 cm ³	×		
12 630	Standard grease gun-HHFP, M 10 x 1-PZ-MU	500 cm ³	×		
12 630 125	Standard grease gun-HHFP, G 1/8"-PZ-MU	500 cm ³	×		
12 630 950	Standard grease gun-HHFP, M 10 x 1-FN-ETV-PZ-MU	500 cm ³	×		
12 632	Standard grease gun-HHFP, M 10 x 1-GBDR-MU	500 cm ³	×		
12 632 125	Standard grease gun-HHFP, G 1/8"-GBDR-MU	500 cm ³	×		
12 633	Standard grease gun-HHFP, M 10 x 1-PZ-MU-VVP	500 cm ³	×		
12 633 125	Standard grease gun-HHFP, G 1/8"-PZ-MU-VVP	500 cm ³	×		
12 633 950	Standard grease gun-HHFP, M 10 x 1-FN-ETV-PZ-MU-VVP	500 cm ³	×		
12 733 804	Standard grease gun-HHFP, G 1/8"-FN-ETV-PZ-MU-VVP	500 cm ³	×		
12 634	Standard grease gun-HHFP, M 10 x 1-GBDR-MU-VVP	500 cm ³	×		
12 634 125	Standard grease gun-HHFP, G 1/8"-GBDR-MU-VVP	500 cm ³	×		
12 634 950	Standard grease gun-HHFP, M 10 x 1-FN-ETV-GBDR-MU-VVP	500 cm ³	×		
12 734 804	Standard grease gun-HHFP, G 1/8"-FN-ETV-GBDR-MU-VVP	500 cm ³	×		
12 710	Standard grease gun-HHFP, M 10 x 1-PZ-MU-SBV	500 cm ³	×		
12 711	Standard grease gun-HHFP, M 10 x 1-PZ-GBDR-2 x MU-SBV	500 cm ³	×		
12 712	Standard grease gun-HHFP, M 10 x 1-FN-PZ-GBDR-2 x MU-SBV	500 cm ³	×		
12 716 125	Standard grease gun-HHFP, G 1/8"-GBDR-MU-SBV	500 cm ³	×		
Standard grease guns, sealing cover fixed					
12 638 782	Standard grease gun-500 cm ³ , M 10 x 1-FN-ETV-VDF	500 cm ³		×	
12 684 782	Standard grease gun-300 cm ³ , M 10 x 1-FN-ETV-VDF	300 cm ³		×	
12 685 782	Standard grease gun-750 cm ³ , M 10 x 1-FN-ETV-VDF	750 cm ³		×	
12 686 782	Standard grease gun-1000 cm ³ , M 10 x 1-FN-ETV-VDF	1000 cm ³		×	
Industrial grease guns 1					
12 637	Industrial grease gun 1-HHFP, M 10 x 1-G 1/8"	500 cm ³	×		×
12 637 101	Industrial grease gun 1-HHFP, M 10 x 1-PZ-MU	500 cm ³	×		×
12 636	Industrial grease gun 1-HHFP, M 10 x 1-black	500 cm ³	×		×
12 636 125	Industrial grease gun 1-HHFP, G 1/8"-black	500 cm ³	×		×
12 636 100	Industrial grease gun 1-HHFP, M 10 x 1-black-GBDR-MU	500 cm ³	×		×
12 636 102	Industrial grease gun 1-HHFP, G 1/8"-black-GBDR-MU	500 cm ³	×		×
12 636 101	Industrial grease gun 1-HHFP, M 10 x 1-black-PZ-MU	500 cm ³	×		×
12 636 103	Industrial grease gun 1-HHFP, G 1/8"-black-PZ-MU	500 cm ³	×		×
12 736 128	Industrial grease gun 1-HHFP, G 1/8"-black-PZ-GBDR-2 x MU	500 cm ³	×		×
12 704	Industrial grease gun 1-HHFP, M 10 x 1-PZ-MU-SB-packaging	500 cm ³	×		×
Industrial grease guns 2					
12 695	Industrial grease gun 2-HHFP, M 10 x 1	500 cm ³	×		×
12 695 125	Industrial grease gun 2-HHFP, G 1/8"	500 cm ³	×		×
12 675	Industrial grease gun 2-HHFP, M 10 x 1-GBDR-MU	500 cm ³	×		×
12 679	Industrial grease gun 2-HHFP, M 10 x 1-PZ-MU	500 cm ³	×		×
12 698	Industrial grease gun 2-HHFP, M 10 x 1-PZ-GBDR-2 x MU	500 cm ³	×		×
12 675 125	Industrial grease gun 2-HHFP, G 1/8"-GBDR-MU	500 cm ³	×		×
12 698 125	Industrial grease gun 2-HHFP, G 1/8"-PZ-GBDR-2 x MU	500 cm ³	×		×
Industrial grease guns 2, sealing cover fixed					
12 638 780	Industrial grease gun 2-HHFP, 500 cm ³ -M 10 x 1-VDF	500 cm ³		×	×
12 638 778	Industrial grease gun 2-HHFP, 500 cm ³ -M 10 x 1-GBDR-MU-VDF	500 cm ³		×	×
12 638 799	Industrial grease gun 2-HHFP, 500 cm ³ -M 10 x 1-PZ-MU-VDF	500 cm ³		×	×
12 685 780	Industrial grease gun 2-HHFP, 750 cm ³ -M 10 x 1-VDF	750 cm ³		×	×
12 686 780	Industrial grease gun 2-HHFP, 1000 cm ³ -M 10 x 1-VDF	1000 cm ³		×	×

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

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GREASE GUNS AND ACCESSORIES



Item-No.	Description	Capacity	POSI LOK	Sealing cover fixed	Variable Stroke System
Industrial grease guns Elite K9					
12 676	Industrial grease gun 3 ELITE K9, 500 cm ³ -M 10 x 1-G 1/8"-FN-ETV	500 cm ³	×		×
12 676 302	Industrial grease gun 3 ELITE K9, 500 cm ³ -M 10 x 1-FN-ETV-PZ-MU	500 cm ³	×		×
12 676 040	Industrial grease gun 3 ELITE K9, 500 cm ³ -M 10 x 1-G 1/8"-FN-PZ-GBDR-2 x MU	500 cm ³	×		×
12 678	Industrial grease gun 3 ELITE K9, 750 cm ³ -M 10 x 1-G 1/8"-FN-ETV	750 cm ³	×		×
12 678 302	Industrial grease gun 3 ELITE K9, 750 cm ³ -M 10 x 1-G 1/8"-FN-ETV-PZ-MU	750 cm ³	×		×
One hand grease guns					
12 250	One hand grease gun-EHFP, M 10 x 1-GRDR-MU	500 cm ³	×		
12 250 950	One hand grease gun-EHFP, M 10 x 1-PZ-GRDR-MU	500 cm ³	×		
12 254	One hand grease gun-EHFP, M 10 x 1-PZ-GRDR-2 x MU	500 cm ³	×		
12 270	One hand grease gun-EHFP, G 1/8"-GRDR-MU	500 cm ³	×		
12 274	One hand grease gun-EHFP, G 1/8"-PZ-GRDR-2 x MU	500 cm ³	×		
12 226	One hand grease gun-EHFP, 125 cm ³ -M 10 x 1-GRDR-MU	125 cm ³	×		
12 276	One hand grease gun-EHFP, 125 cm ³ -G 1/8"-GRDR-MU	125 cm ³	×		
12 845	One hand grease gun-EHFP, M 10 x 1-PZ-MU	500 cm ³			×
Two-hand grease guns					
12 850	Two-hand grease gun-ZHFP, M 10 x 1-G 1/8"				
12 851	Two-hand grease gun-ZHFP, M 10 x 1-PZ-MU				
Compressed air grease guns					
18 071	Compressed air grease gun-DL, M 10 x 1-GBDR-MU	500 cm ³	×		
18 072	Compressed air grease gun-DLplus, M 10 x 1-PZ-MU	500 cm ³	×		
18 074	Compressed air grease gun-DLkombi, M 10 x 1-PZ-GBDR-2 x MU	500 cm ³	×		
18 073	Compressed air grease gun-DLautomatic, M 10 x 1-GRDR-MU	500 cm ³	×		
18 073 125	Compressed air grease gun-DLautomatic, G 1/8"-GRDR-MU	500 cm ³	×		
18 077	Compressed air grease gun-DLautomatic, M 10 x 1-PZ-GRDR-2 x MU	500 cm ³	×		
PNEUMAxX grease guns					
12 826	PNEUMAxX-HHFP, M 10 x 1-PZ-GBDR-2 x MU	500 cm ³		×	
12 826 125	PNEUMAxX-HHFP, G 1/8"-PZ-GBDR-2 x MU	500 cm ³		×	
12 282	PNEUMAxX-EHFP, M 10 x 1-PZ-GRDR-2 x MU	500 cm ³		×	
12 282 125	PNEUMAxX-EHFP, G 1/8"-PZ-GRDR-2 x MU	500 cm ³		×	
18 066	PNEUMAxX-DLFP, M 10 x 1-PZ-GRDR-2 x MU	500 cm ³		×	
18 066 125	PNEUMAxX-DLFP, G 1/8"-PZ-GRDR-2 x MU	500 cm ³		×	
Battery powered grease guns					
18 051	Accu grease gun with ZBH, 20 V / 2.0 Ah				
Oil guns					
12 602	Lever operated oil gun-HHÖP, M 10 x 1-GBDR-MU	500 cm ³		×	
Hand lever guns for concrete work					
12 688	Manual lever gun for concrete works-BHHP, M 10 x 1	1000 cm ³		×	

DOUBLE LOCK	DIN 1283	Wall thickness of grease gun tube	Lacquering	High pressure hose 11 x 300 mm	High pressure hose 8 x 300 mm	Rigid	Precision coupler	Hydraulic coupler	Filling valve	Sales package	Polybag
×	×	1,0 mm	galvanized						×	×	
×	×	1,0 mm	galvanized	12 655				12 631	×	×	
×	×	1,0 mm	galvanized	12 755		12 735	12 743 (2 x)		×	×	
×		1,0 mm	galvanized						×	×	
×		1,0 mm	galvanized	12 655				12 631	×	×	
	similar	1,0 mm	silver			12 435		12 631	×	×	
	similar	1,0 mm	silver		12 656	12 435		12 631	×	×	
	similar	1,0 mm	silver	12 655		12 435		12 631 (2 x)	×	×	
	similar	1,0 mm	silver			12 475		12 731	×	×	
	similar	1,0 mm	silver	12 755		12 475		12 731 (2 x)	×	×	
		1,0 mm	silver			12 435	12 643		×	×	
		1,0 mm	silver			12 475	12 743		×	×	
				12 655				12 631		×	
										×	
				12 655 828			12 643			×	
		1,0 mm	silver			12 635		12 631	×	×	
		1,0 mm	silver	12 655			12 643		×	×	
		1,0 mm	silver		12 656	12 635		12 631 (2 x)	×	×	
		1,0 mm	graphite-grey			12 435	12 643		×	×	
		1,0 mm	graphite-grey			12 475	12 743		×	×	
		1,0 mm	graphite-grey	12 665 (0,5 m)		12 435	12 643	12 631	×	×	
		1,0 mm	grey	12 655		12 635	12 643 (2 x)		×	×	
		1,0 mm	grey	12 755		12 735	12 743 (2 x)		×	×	
		1,0 mm	grey	12 655		12 435	12 643 (2 x)		×	×	
		1,0 mm	grey	12 755		12 475	12 743 (2 x)		×	×	
		1,0 mm	grey	12 655		12 435	12 643 (2 x)		×	×	
		1,0 mm	grey	12 755		12 475	12 743 (2 x)		×	×	
		1,0 mm	silver			12 635	silver	12 642		×	
		1,0 mm	galvanized								×

GREASE GUNS AND ACCESSORIES

Standard grease guns

400 bar

NLGI 2



12 638

TECHNICAL DATA

- Capacity (cm³): 500
- Refilling options: 400 g grease cartridge, DIN 1284, or bulk grease
- Diameter of grease piston (mm): 8
- Grease pump piston actuation: manually lever operated
- Delivery rate/stroke (cm³): 1,2 at a grease density of 0.92 kg/dm³
- Discharge pressure up to (bar): 400
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Operation of plunger rod: with L-design handle
- Sealing cover: loose
- Wall thickness of grease gun tube (mm): 1,0
- Lacquering: silver

PRODUCT BENEFITS + FEATURES

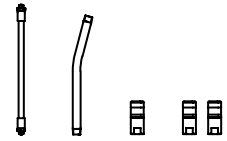
- Operates with greases up to NLGI grade 2 at 20°C
- Plunger with exactly fitting when using bulk grease or cartridge
- Acc. to DIN 1283
- TÜV - certified
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 40.000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Safe handle on the plunger rod
- Slip resistant handle on grease gun lever
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- Low effort required for lubrication due to optimum lever efficiency
- High-speed ventilation, by half a rotation of the grease gun tube

PACKAGING

- Packing unit: 10 (VVP/SBV: 1)

Abbreviations

DIN	German Institute for Standardisation (DIN standards)
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA
SBV	Packaging for self-service
TÜV	Technical Inspection Agency in Germany
VVP	Sales packaging



PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"	FN	ETV	PZ	GBDR	MU	2 x MU	VVP	SBV
12 638	Standard grease gun-HHFP	M 10 x 1	×									
12 638 125	Standard grease gun-HHFP	G 1/8"		×								
12 630	Standard grease gun-HHFP	M 10 x 1-PZ-MU	×				×		×			
12 630 125	Standard grease gun-HHFP	G 1/8"-PZ-MU		×			×		×			
12 630 950	Standard grease gun-HHFP	M 10 x 1-FN-ETV-PZ-MU	×		×	×			×			
12 632	Standard grease gun-HHFP	M 10 x 1-GBDR-MU	×					×	×			
12 632 125	Standard grease gun-HHFP	G 1/8"-GBDR-MU		×				×	×			
12 633	Standard grease gun-HHFP	M 10 x 1-PZ-MU-VVP	×				×		×		×	
12 633 125	Standard grease gun-HHFP	G 1/8"-PZ-MU-VVP		×			×		×		×	
12 633 950	Standard grease gun-HHFP	M 10 x 1-FN-ETV-PZ-MU-VVP	×		×	×	×		×		×	
12 733 804	Standard grease gun-HHFP	G 1/8"-FN-ETV-PZ-MU-VVP		×	×	×	×		×		×	
12 634	Standard grease gun-HHFP	M 10 x 1-GBDR-MU-VVP	×					×	×		×	
12 634 125	Standard grease gun-HHFP	G 1/8"-GBDR-MU-VVP		×				×	×		×	
12 634 950	Standard grease gun-HHFP	M 10 x 1-FN-ETV-GBDR-MU-VVP	×		×	×		×	×		×	
12 734 804	Standard grease gun-HHFP	G 1/8"-FN-ETV-GBDR-MU-VVP		×	×	×		×	×		×	
12 710	Standard grease gun-HHFP	M 10 x 1-PZ-MU-SBV	×				×		×			×
12 711	Standard grease gun-HHFP	M 10 x 1-PZ-GBDR-2 x MU-SBV	×				×	×		×		×
12 712	Standard grease gun-HHFP	M 10 x 1-FN-PZ-GBDR-2 x MU-SBV	×		×	×	×	×		×		×
12 716 125	Standard grease gun-HHFP	G 1/8" -GBDR-MU-SBV		×				×	×			×

Abbreviations

- ETV** Venting valve
- FN** Filling nipple
- G** Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
- GBDR** Angled spout coupler
- HHFP** Manual lever grease gun
- M** Metric thread, cylindrical, DIN 13
- MU** Coupler
- PZ** High pressure hose
- SBV** Packaging for self-service
- VVP** Sales packaging
- ZBH** Accessories

GREASE GUNS AND ACCESSORIES

Standard grease guns, Sealing cover fixed

400 bar

NLGI 2



12 685 782

TECHNICAL DATA

- Grease gun connection, pressure-side: M 10 x 1
- Filling nipple and ventilating valve: M 10 x 1
- Refilling options: 400 g grease cartridge, DIN 1284, grease filling system or loose grease using a spatula
- Diameter of grease piston (mm): 8
- Grease pump piston actuation: manually lever operated
- Delivery rate/stroke (cm³): 1,2, at a counter-pressure of 400 bar
- Discharge pressure up to (bar): 400
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Operation of plunger rod: with T-grip
- Sealing cover: fixed
- Wall thickness of grease gun tube (mm): 1,0 mm
- Lacquering: graphite-grey

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)

PRODUCT BENEFITS + FEATURES

- Operates with greases up to NLGI grade 2 at 20°C
- Plunger with exactly fitting when using bulk grease or cartridge
- Acc. to DIN 1283
- TÜV - certified
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 40.000 actuating cycles
- Separate filling and ventilation valves on grease gun head
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- The ergonomic handle of the plunger rod assists in overcoming the spring load
- Slip resistant handle on grease gun lever
- Fixed cap, with clamp
- Low effort required for lubrication due to optimum lever efficiency
- High-speed ventilation, by half a rotation of the grease gun tube

PACKAGING

- Packing unit: 1

Abbreviations

a	Outer / Male
DIN	German Institute for Standardisation (DIN standards)
M	Metric thread, cylindrical, DIN 13
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA

PRODUCTS

Item-No.	Description 1	Description 2	300 cm ³	500 cm ³	750 cm ³	1000 cm ³
12 638 782	Standard grease gun-500 cm ³	M 10 x 1-FN-ETV-VDF		×		
12 684 782	Standard grease gun-300 cm ³	M 10 x 1-FN-ETV-VDF	×			
12 685 782	Standard grease gun-750 cm ³	M 10 x 1-FN-ETV-VDF			×	
12 686 782	Standard grease gun-1000 cm ³	M 10 x 1-FN-ETV-VDF				×

Abbreviations

ETV	Venting valve
FN	Filling nipple
M	Metric thread, cylindrical, DIN 13
VDF	Sealing cover fixed

GREASE GUNS AND ACCESSORIES

Industrial grease guns 1

400 bar

NLGI 2

Variable stroke



12 636

TECHNICAL DATA

- Filling nipple and ventilating valve: M 10 x 1
- Capacity (cm³): 500
- Refilling options: 400 g grease cartridge, DIN 1284, grease filling system or loose grease using a spatula
- Diameter of grease piston (mm): 9
- Grease pump piston actuation: manually lever operated
- Delivery rate/stroke (cm³): proportional to the manual lever operating distance, max. 1,4
- Discharge pressure up to (bar): 400
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Operation of plunger rod: with L-design handle
- Sealing cover: loose
- Wall thickness of grease gun tube (mm): 1,0

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)

PRODUCT BENEFITS + FEATURES

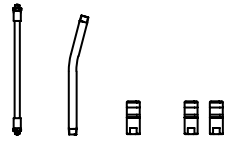
- Operates with greases up to NLGI grade 2 at 20°C
- Plunger with exactly fitting when using bulk grease or cartridge
- Due to the flexibility of the push rod, the plunger can be inserted into damaged cartridges or cartridges not exactly matching the standard dimensions
- Acc. to DIN 1283
- TÜV - certified
- Pump piston, cylinder and O-ring with 6 µ fit (no dummy lubrication)
- No dummy (apparent) lubrication. Sealing system: O-ring and ball valve prevent grease compressed in the grease gun head from feeding back
- Performance unchanged after 40.000 actuating cycles
- Separate filling and ventilation valves on grease gun head
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Safe handle on the plunger rod
- Slip resistant handle on grease gun lever
- Enables even under extreme backpressure, a variable lubrication pressure with steady effort applied
- Allows lubrication in difficult to reach locations because the smallest lever operation results in grease being pumped reliably to the lubrication point
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- Push rod can be locked in any position - push rod does not have to be fully retracted to release the spring pressure on the grease (grease does not saponify)
- High-speed ventilation, by half a rotation of the grease gun tube

PACKAGING

- Sales packaging with EAN-Code (12 704: Polybag, with headcard, for hanging display)
- Packing unit: 1 (12 704: 5)

Abbreviations

a	Outer / Male
DIN	German Institute for Standardisation (DIN standards)
M	Metric thread, cylindrical, DIN 13
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA



PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"	PZ	GBDR	MU	2 x MU	VZ	black	SBV
12 637	Industrial grease gun 1-HHFP	M 10 x 1-G 1/8"	×						×		
12 637 101	Industrial grease gun 1-HHFP	M 10 x 1-PZ-MU	×		×		×		×		
12 636	Industrial grease gun 1-HHFP	M 10 x 1-black	×							×	
12 636 125	Industrial grease gun 1-HHFP	G 1/8" -black		×						×	
12 636 100	Industrial grease gun 1-HHFP	M 10 x 1-black-GBDR-MU	×			×	×			×	
12 636 102	Industrial grease gun 1-HHFP	G 1/8"-black-GBDR-MU		×		×	×			×	
12 636 101	Industrial grease gun 1-HHFP	M 10 x 1-black-PZ-MU	×		×		×			×	
12 636 103	Industrial grease gun 1-HHFP	G 1/8"-black-PZ-MU		×	×		×			×	
12 736 128	Industrial grease gun 1-HHFP	G 1/8"-black-PZ-GBDR-2 x MU		×	×	×		×		×	
12 704	Industrial grease gun 1-HHFP	M 10 x 1-PZ-MU-SB-packaging	×		×		×			×	×

G

Abbreviations

- G** Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
- GBDR** Angled spout coupler
- HHFP** Manual lever grease gun
- M** Metric thread, cylindrical, DIN 13
- MU** Coupler
- PZ** High pressure hose
- SBV** Packaging for self-service
- VZ** galvanized

GREASE GUNS AND ACCESSORIES

Industrial grease guns 2

400 bar

NLGI 2

Variable stroke



12 695

TECHNICAL DATA

- Filling nipple and ventilating valve: M 10 x 1
- Capacity (cm³): 500
- Refilling options: 400 g grease cartridge, DIN 1284, grease filling system or loose grease using a spatula
- Diameter of grease piston (mm): 9
- Grease pump piston actuation: manually lever operated
- Delivery rate/stroke (cm³): proportional to the manual lever operating distance, max. 1,4
- Discharge pressure up to (bar): 400
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Operation of plunger rod: with T-grip
- Sealing cover: loose
- Wall thickness of grease gun tube (mm): 1
- Lacquering: graphite-grey

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)
- Venting valve (ETV), M 10 x 1 male (85 277)
- Sales packaging with EAN-Code

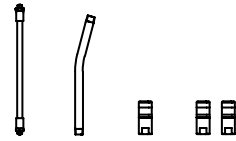
PRODUCT BENEFITS + FEATURES

- Operates with greases up to NLGI grade 2 at 20°C
- Designed for use in rough conditions
- Plunger with exactly fitting when using bulk grease or cartridge
- Due to the flexibility of the push rod, the plunger can be inserted into damaged cartridges or cartridges not exactly matching the standard dimensions
- Acc. to DIN 1283
- TÜV - certified
- Pump piston, cylinder and O-ring with 6 µ fit (no dummy lubrication)
- No dummy (apparent) lubrication. Sealing system: O-ring and ball valve prevent grease compressed in the grease gun head from feeding back
- Performance unchanged after 40.000 actuating cycles
- Separate filling and ventilation valves on grease gun head
- Grease gun head, zinc die casting Z 410

- Sure grip handling due to deep band knurls
- Slip resistant handle on grease gun lever
- The ergonomic handle of the plunger rod assists in overcoming the spring load
- Enables even under extreme backpressure, a variable lubrication pressure with steady effort applied
- Allows lubrication in difficult to reach locations because the smallest lever operation results in grease being pumped reliably to the lubrication point
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- Push rod can be locked in any position - push rod does not have to be fully retracted to release the spring pressure on the grease (grease does not saponify)
- High-speed ventilation, by half a rotation of the grease gun tube

PACKAGING

- Packing unit: 1



PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"	PZ	GBDR	MU	2 x MU
12 695	Industrial grease gun 2-HHFP	M 10 x 1	×					
12 695 125	Industrial grease gun 2-HHFP	G 1/8"		×				
12 675	Industrial grease gun 2-HHFP	M 10 x 1-GBDR-MU	×			×	×	
12 679	Industrial grease gun 2-HHFP	M 10 x 1-PZ-MU	×		×		×	
12 698	Industrial grease gun 2-HHFP	M 10 x 1-PZ-GBDR-2 x MU	×		×	×		×
12 675 125	Industrial grease gun 2-HHFP	G 1/8"-GBDR-MU		×		×	×	
12 698 125	Industrial grease gun 2-HHFP	G 1/8"-PZ-GBDR-2 x MU		×	×	×		×

Abbreviations

- a** Outer / Male
- DIN** German Institute for Standardisation (DIN standards)
- EAN** European Article Number Code (bar code)
- G** Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
- GBDR** Angled spout coupler
- HHFP** Manual lever grease gun
- M** Metric thread, cylindrical, DIN 13
- MU** Coupler
- NLGI** Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA
- PZ** High pressure hose
- TÜV** Technical Inspection Agency in Germany

GREASE GUNS AND ACCESSORIES

Industrial grease guns 2, Sealing cover fixed

400 bar

NLGI 2

Variable stroke



12 686 780

TECHNICAL DATA

- Filling nipple and ventilating valve: M 10 x 1
- Refilling options: 400 g grease cartridge, DIN 1284, grease filling system or loose grease using a spatula
- Diameter of grease piston (mm): 9
- Grease pump piston actuation: manually lever operated
- Delivery rate/stroke (cm³): proportional to the manual lever operating distance, max. 1,4
- Discharge pressure up to (bar): 400
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Operation of plunger rod: with T-grip
- Sealing cover: fixed
- Wall thickness of grease gun tube (mm): 1
- Lacquering: graphite-grey

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)
- Venting valve (ETV), M 10 x 1 male (85 277)

PRODUCT BENEFITS + FEATURES

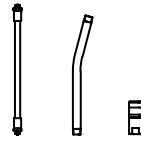
- Operates with greases up to NLGI grade 2 at 20°C
- Designed for use in rough conditions
- Plunger with exactly fitting when using bulk grease or cartridge
- Acc. to DIN 1283
- TÜV - certified
- Pump piston with high accuracy of fit to the cylinder
- No dummy (apparent) lubrication. Sealing system: O-ring and ball valve prevent grease compressed in the grease gun head from feeding back
- Performance unchanged after 40.000 actuating cycles
- Separate filling and ventilation valves on grease gun head
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- The ergonomic handle of the plunger rod assists in overcoming the spring load
- Slip resistant handle on grease gun lever
- Enables even under extreme backpressure, a variable lubrication pressure with steady effort applied
- Allows lubrication in difficult to reach locations because the smallest lever operation results in grease being pumped reliably to the lubrication point
- Fixed cap, with clamp
- High-speed ventilation, by half a rotation of the grease gun tube

PACKAGING

- Packing unit: 1

Abbreviations

a	Outer / Male
DIN	German Institute for Standardisation (DIN standards)
M	Metric thread, cylindrical, DIN 13
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA



PRODUCTS

Item-No.	Description 1	Description 2	PZ	GBDR	MU	500 cm ³	750 cm ³	1000 cm ³	VVP
12 638 780	Industrial grease gun 2-HHFP	500 cm ³ -M 10 x 1-VDF				×			×
12 638 778	Industrial grease gun 2-HHFP	500 cm ³ -M 10 x 1-GBDR-MU-VDF		×	×	×			×
12 638 799	Industrial grease gun 2-HHFP	500 cm ³ -M 10 x 1-PZ-MU-VDF	×		×	×			×
12 685 780	Industrial grease gun 2-HHFP	750 cm ³ -M 10 x 1-VDF					×		
12 686 780	Industrial grease gun 2-HHFP	1000 cm ³ -M 10 x 1-VDF						×	

Abbreviations

- GBDR** Angled spout coupler
- HHFP** Manual lever grease gun
- M** Metric thread, cylindrical, DIN 13
- MU** Coupler
- PZ** High pressure hose
- VDF** Sealing cover fixed
- VVP** Sales packaging

GREASE GUNS AND ACCESSORIES

Industrial grease guns Elite K9

400 bar

NLGI 2

Variable stroke



12 676

TECHNICAL DATA

- Filling nipple and ventilating valve: M 10 x 1
- Capacity (cm³): 500
- Refilling options: 400 g grease cartridge, DIN 1284, grease filling system or loose grease using a spatula
- Diameter of grease piston (mm): 9
- Grease pump piston actuation: manually lever operated
- Delivery rate/stroke (cm³): proportional to the manual lever operating distance, max. 1,4
- Discharge pressure up to (bar): 400
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Operation of plunger rod: with T-grip
- Sealing cover: loose
- Wall thickness of grease gun tube (mm): 1
- Lacquering: graphite-grey

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)
- Sales packaging with EAN-Code

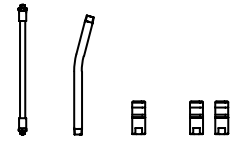
PRODUCT BENEFITS + FEATURES

- Operates with greases up to NLGI grade 2 at 20°C
- Designed for use in rough conditions, wall thickness grease gun tube: 1 mm
- Plunger with exactly fitting when using bulk grease or cartridge
- Acc. to DIN 1283
- TÜV - certified
- Pump piston, cylinder and O-ring with 6 µ fit (no dummy lubrication)
- No dummy (apparent) lubrication. Sealing system: O-ring and ball valve prevent grease compressed in the grease gun head from feeding back
- Performance unchanged after 40.000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- The ergonomic handle of the plunger rod assists in overcoming the spring load
- Slip resistant handle on grease gun lever
- Enables even under extreme backpressure, a variable lubrication pressure with steady effort applied
- Allows lubrication in difficult to reach locations because the smallest lever operation results in grease being pumped reliably to the lubrication point
- Damaged cartridges can easily be removed
- Push rod can be locked in any position - push rod does not have to be fully retracted to release the spring pressure on the grease (grease does not saponify)
- High-speed ventilation, by half a rotation of the grease gun tube

PACKAGING

- Packing unit: 1

PRODUCTS



Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"	FN	ETV	PZ	GBDR	MU	2 x MU	500 cm ³	750 cm ³
12 676	Industrial grease gun 3 ELITE K9	500 cm ³ -M 10 x 1-G 1/8"-FN-ETV	×	×	×	×					×	
12 676 302	Industrial grease gun 3 ELITE K9	500 cm ³ -M 10 x 1-FN-ETV-PZ-MU	×		×	×	×		×		×	
12 676 040	Industrial grease gun 3 ELITE K9	500 cm ³ -M 10 x 1-G 1/8"-FN-PZ-GBDR-2 x MU	×	×	×		×	×		×	×	
12 678	Industrial grease gun 3 ELITE K9	750 cm ³ -M 10 x 1-G 1/8"-FN-ETV	×	×	×	×						×
12 678 302	Industrial grease gun 3 ELITE K9	750 cm ³ -M 10 x 1-G 1/8"-FN-ETV-PZ-MU	×	×	×	×	×		×			×

Abbreviations

- a** Outer / Male
- DIN** German Institute for Standardisation (DIN standards)
- EAN** European Article Number Code (bar code)
- ETV** Venting valve
- FN** Filling nipple
- G** Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
- GBDR** Angled spout coupler
- M** Metric thread, cylindrical, DIN 13
- MU** Coupler
- NLGI** Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA
- PZ** High pressure hose

GREASE GUNS AND ACCESSORIES



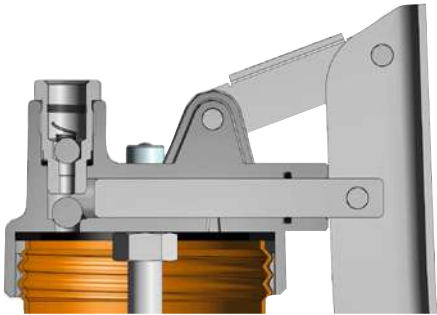
TECHNOLOGY THAT **LEADS**

DIFFERENT GREASE GUN COLOURS
FOR DIFFERENT GREASE TYPES



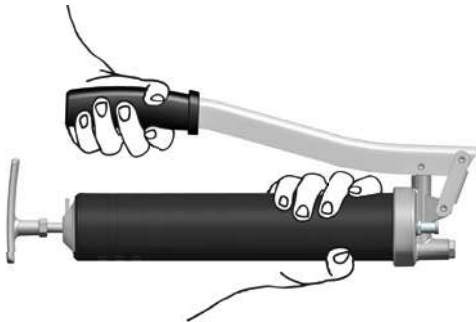
GREASE GUNS AND ACCESSORIES

Product Benefits + Features PRELxx PRO 2014.1



OPERATES WITH GREASES NLGI GRADE 3

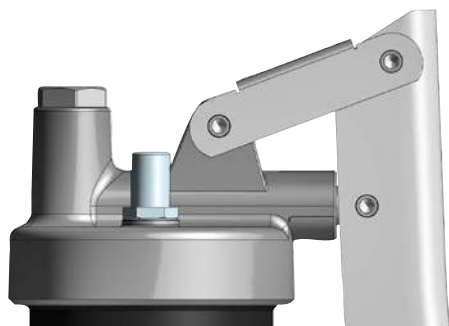
- Operates with greases NLGI grade 3 at 20°C
- Quantity of delivered grease at a back-pressure of 200 bar nearly unchanged after 40,000 operating cycles
- Pump piston, cylinder and O-ring with 6 µ fit (no dummy lubrication)



NO CRUSHING HAZARD

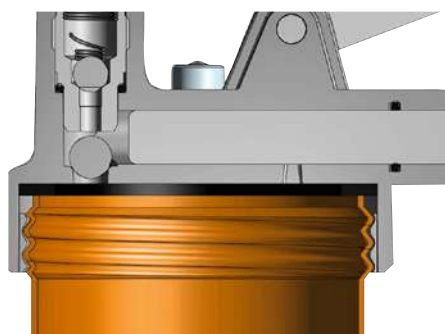


DIFFERENT GREASE GUN COLOURS FOR DIFFERENT GREASE TYPES



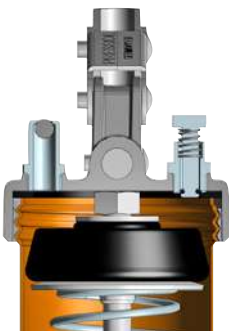
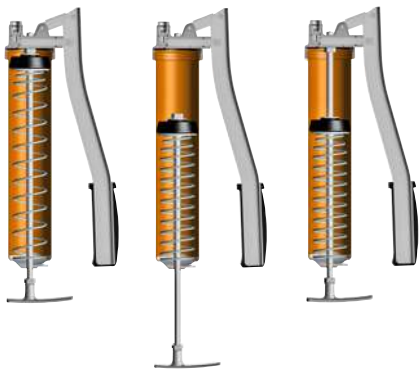
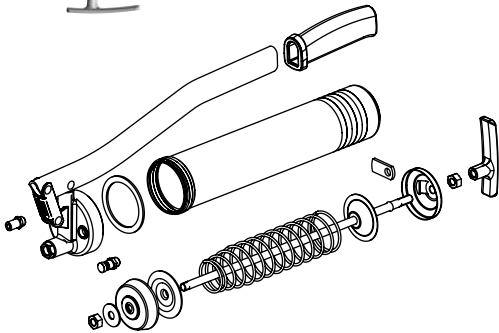
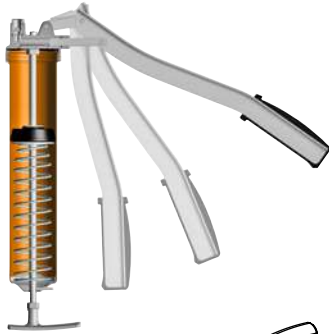
GREASE GUN HEAD, ZINC DIE CASTING Z 410

- one-piece
- pressure resistant
- safe



ROLLED THREADS

- Rolled thread on the grease gun tube resists damage from impact and allows quick and easy screwing-in by 1,5 turns



VARIABLE STROKE

- At high back pressure, e.g. gummy lubrication point, lubrication can be achieved with significantly less effort by shorter strokes
- Grease supply variable from 0,1 to 1,6 cm³ per stroke
- Optimal leverage for operating the hand lever, thus the compressive force required is as low as possible

CLEANING – SPARE PARTS

- Easy to clean – Each component group and parts can be supplied as spare parts

GREASE PRESSURE RELIEF

- Push rod can be locked in any position - push rod does not have to be fully retracted to release the spring pressure on the grease (grease does not saponify)
- Damaged cartridges can easily be removed

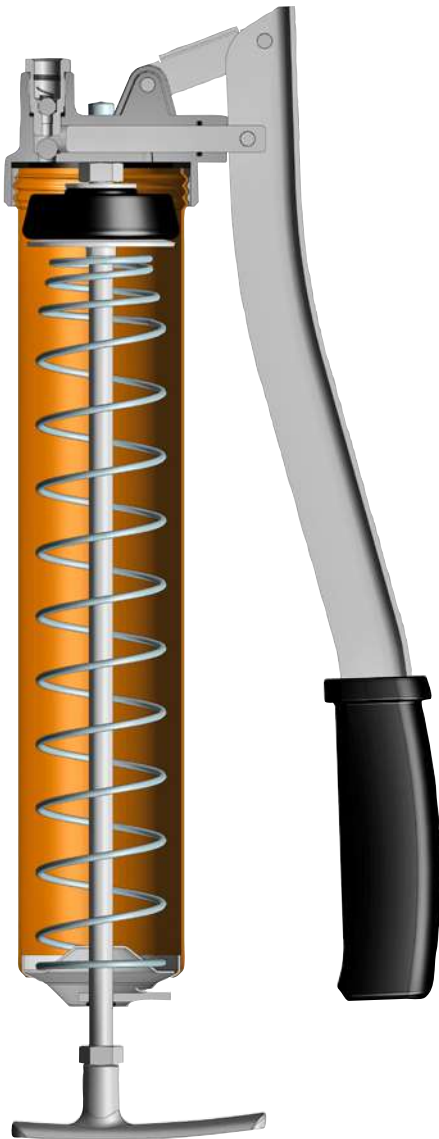
FILLING NIPPLE AND VENTILATING VALVE

- Filling nipple (FN), M 10 x 1 male (12 670)
- Optional vent valve (ETV), M 10 x 1 a (85 277)

EVERYTHING UNDER CONTROL

- Ergonomic handle, non-slip, excellent power transfer and handling
- T-grip, optimized grip and pressure optimized

PRELixx PRO 2014.1



TECHNICAL DATA

- Capacity (cm³): 500
- Refilling options: 400 g grease cartridge, DIN 1284, grease filling system or loose grease using a spatula
- Diameter of grease piston (mm): 9
- Grease pump piston actuation: manually lever operated
- Delivery rate/stroke (cm³): 1,2 at a grease density of 0.92 kg/dm³
- Discharge pressure up to (bar): 600
- Burst pressure system (bar): 900
- Burst pressure grease gun head (bar): 1200
- Operation of plunger rod: with T-grip
- Sealing cover: loose
- Wall thickness of grease gun tube (mm): 1

SPECIFICATION

- Galvanized parts: hand lever, push rod handle, locking catch, head
- Grease gun head, zinc die casting Z 410
- Ball seat valve, galvanized (85 589)
- Dismantleable and movable push rod system
- With hose holder
- T-grip, optimized grip and pressure optimized
- Ergonomic handle, non-slip, excellent power transfer and handling

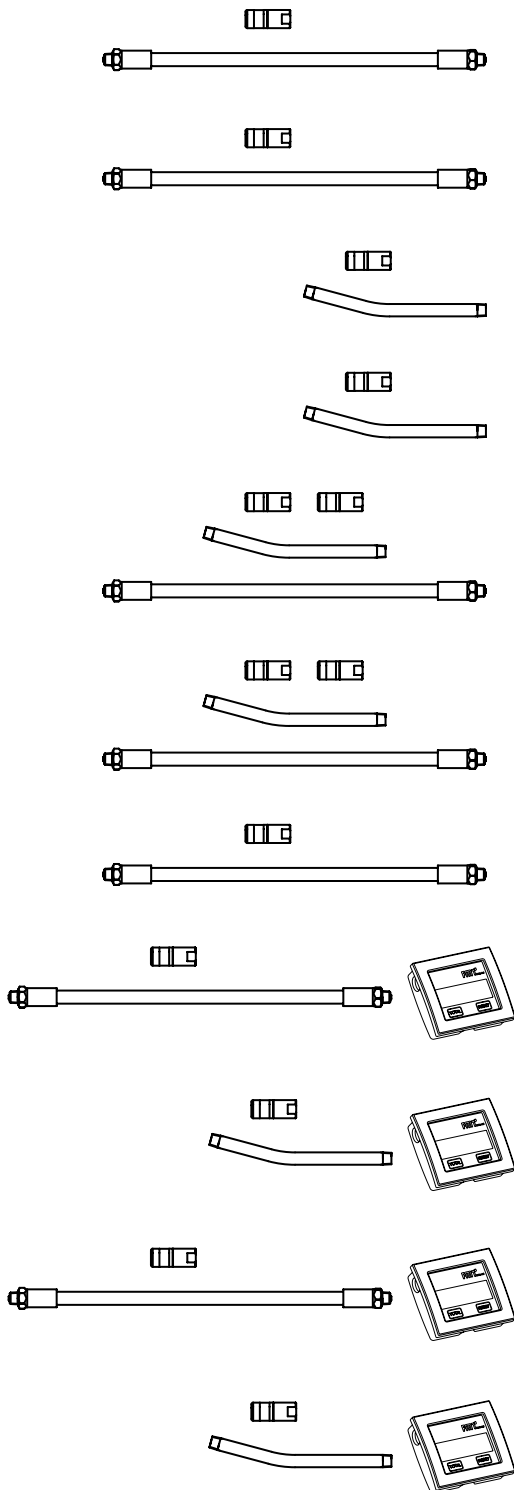
PRODUCT BENEFITS + FEATURES

- Operates with greases NLGI grade 3 at 20°C
- Quantity of delivered grease at a back-pressure of 200 bar nearly unchanged after 40,000 operating cycles
- Pump piston, cylinder and O-ring with 6 µ fit (no dummy lubrication)
- At high back pressure, e.g. gummy lubrication point, lubrication can be achieved with significantly less effort by shorter strokes
- Grease supply variable from 0,1 to 1,6 cm³ per stroke
- Thanks to the optimized hand lever kinematics, lubrication can be done with little effort
- Plunger with exactly fitting when using bulk grease or cartridge
- Due to the flexibility of the push rod, the plunger can be inserted into damaged cartridges or cartridges not exactly matching the standard dimensions
- Damaged cartridges can easily be removed
- Push rod can be locked in any position - push rod does not have to be fully retracted to release the spring pressure on the grease (grease does not saponify)
- The ease of dismantling permits simple cleaning
- Rolled thread on the grease gun tube resists damage from impact and allows quick and easy screwing-in by 1,5 turns
- High-speed ventilation, by half a rotation of the grease gun tube
- Designed for use in rough conditions
- Acc. to DIN 1283

PACKAGING

- Packing unit: 1

Accessories sets PRELixx PRO 2014.1



ACCESSORIES SET 5

- High pressure hose, M 10 x 1 male, 11 x 300 mm, with sealing ring (12 655 828)
- Coupler, 4 jaws, M 10 x 1 (12 643)

ACCESSORIES SET 6

- High pressure hose, G 1/8" male, 11 x 300 mm, with sealing ring (12 755 828)
- Coupler, 4 jaws, G 1/8" i (12 743)

ACCESSORIES SET 7

- Angled spout, M 10 x 1, 150 mm (12 635)
- Coupler, 4 jaws, M 10 x 1 (12 643)

ACCESSORIES SET 8

- Angled spout, G 1/8" male, 150 mm (12 735)
- Coupler, 4 jaws, G 1/8" i (12 743)

ACCESSORIES SET 9

- Angled spout, M 10 x 1, 150 mm (12 635)
- High pressure hose, M 10 x 1 male, 11 x 300 mm, with sealing ring (12 655 828)
- 2 x Coupler, 4 jaws, M 10 x 1 (12 643)

ACCESSORIES SET 10

- Angled spout, G 1/8" male, 150 mm (12 735)
- High pressure hose, G 1/8" male, 11 x 300 mm, with sealing ring (12 755 828)
- 2 x Coupler, 4 jaws, G 1/8" (12 743)

ACCESSORIES SET 11

- High pressure hose, M 10 x 1 male, 11 x 300 mm, with sealing ring (12 655 828)
- Coupler, 4 jaws, M 10 x 1, with ball valve (12 642)

ACCESSORIES SET 12

- High pressure hose, M 10 x 1 male, 11 x 300 mm, with sealing ring (12 655 828)
- Coupler, 4 jaws, M 10 x 1 (12 643)
- In-line meter for grease (18 115)

ACCESSORIES SET 13

- Angled spout, M 10 x 1, 150 mm (12 635)
- Coupler, 4 jaws, M 10 x 1 (12 643)
- In-line meter for grease (18 115)

ACCESSORIES SET 14

- High pressure hose, M 10 x 1 male, 11 x 300 mm, with sealing ring (12 655 828)
- Coupler, 4 jaws, M 10 x 1, with ball valve (12 642)
- In-line meter for grease (18 115)

ACCESSORIES SET 15

- Angled spout, M 10 x 1, 150 mm (12 635)
- Coupler, 4 jaws, M 10 x 1, with ball valve (12 642)
- In-line meter for grease (18 115)

Abbreviations

a	Outer / Male
BA	Jaws
DIN	German Institute for Standardisation (DIN standards)
G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
M	Metric thread, cylindrical, DIN 13
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA

GREASE GUNS AND ACCESSORIES

PRELxx PRO 2014.1 - M 10 x 1 with filling nipple

600 bar

NLGI 3

Variable stroke



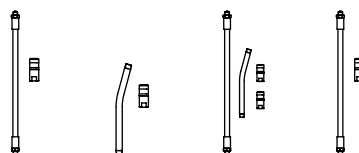
14 200 311

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)
- TÜV / GS - approved

PACKAGING

- Packing unit: 1



PRODUCTS

Item-No.	Description 1	Description 2	without ZBH	ZBH Set 5	ZBH Set 7	ZBH Set 9	ZBH 11	Venting valve	Colour
14 200 211	PRELxx PRO 2014.1 M 10 x 1	FN-black-without ZBH	×						■
14 203 211	PRELxx PRO 2014.1 M 10 x 1	FN-black-ZBH-Set 5		×					■
14 213 211	PRELxx PRO 2014.1 M 10 x 1	FN-black-ZBH-Set 7			×				■
14 221 211	PRELxx PRO 2014.1 M 10 x 1	FN-black-ZBH-Set 9				×			■
14 200 311	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-black-without ZBH	×					×	■
14 200 371	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-VZ-without ZBH	×					×	□
14 203 371	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-VZ-ZBH-Set 5		×				×	□
14 233 331	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-red-ZBH-Set 11					×	×	■
14 233 341	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-blue-ZBH-Set 11					×	×	■
14 213 311	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-black-ZBH-Set 7			×			×	■
14 213 371	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-VZ-ZBH-Set 7			×			×	□
14 221 311	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-black-ZBH-Set 9				×		×	■
14 221 371	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-VZ-ZBH-Set 9				×		×	□
14 270 311	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-black-without ZBH-display carton	×					×	■
14 273 311	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-black-ZBH-Set 5-display carton		×				×	■

Abbreviations

a	Outer / Male	ETV	Venting valve	FN	Filling nipple
GS	Tested for safety	M	Metric thread, cylindrical, DIN 13	TÜV	Technical Inspection Agency in Germany
VZ	Galvanized	ZBH	Accessories		

PRELxx PRO 2014.1 - M 10 x 1 with filling nipple + venting valve + grease meter

600 bar

NLGI 3

Variable stroke



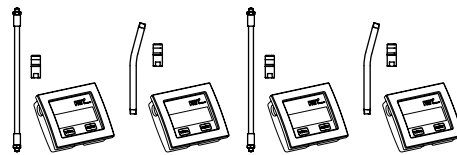
14 250 331

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)
- Venting valve (ETV), M 10 x 1 male (85 277)
- In-line meter for grease (18 115)
- TÜV / GS - approved

PACKAGING

- Packing unit: 1



PRODUCTS

Item-No.	Description 1	Description 2	ZBH Set 12	ZBH Set 13	ZBH Set 14	ZBH Set 15	Colour
14 250 331	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-red-ZBH-Set 12	×				■
14 252 331	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-red-ZBH-Set 13		×			■
14 256 331	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-red-ZBH-Set 14			×		■
14 258 331	PRELxx PRO 2014.1 M 10 x 1	FN-ETV-red-ZBH-Set 15				×	■

Abbreviations

a	Outer / Male
ETV	Venting valve
FN	Filling nipple
GS	Tested for safety
M	Metric thread, cylindrical, DIN 13
TÜV	Technical Inspection Agency in Germany
ZBH	Accessories

GREASE GUNS AND ACCESSORIES

PRELxx PRO 2014.1 - G 1/8" with filling nipple

600 bar

NLGI 3

Variable stroke



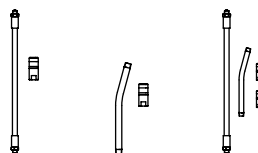
14 200 212

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)
- TÜV / GS - approved

PACKAGING

- Packing unit: 1



PRODUCTS

Item-No.	Description 1	Description 2	without ZBH	ZBH Set 6	ZBH Set 8	ZBH Set 10	Venting valve	Colour
14 200 212	PRELxx PRO 2014.1 G 1/8"	FN-black-without ZBH	×					■
14 204 212	PRELxx PRO 2014.1 G 1/8"	FN-black-ZBH-Set 6		×				■
14 214 212	PRELxx PRO 2014.1 G 1/8"	FN-black-ZBH-Set 8			×			■
14 222 212	PRELxx PRO 2014.1 G 1/8"	FN-black-ZBH-Set 10				×		■
14 200 312	PRELxx PRO 2014.1 G 1/8"	FN-ETV-black-without ZBH	×					■
14 200 372	PRELxx PRO 2014.1 G 1/8"	FN-ETV-VZ-without ZBH	×					□
14 204 312	PRELxx PRO 2014.1 G 1/8"	FN-ETV-black-ZBH-Set 6		×			×	■
14 204 372	PRELxx PRO 2014.1 G 1/8"	FN-ETV-VZ-ZBH-Set 6		×			×	□
14 214 312	PRELxx PRO 2014.1 G 1/8"	FN-ETV-black-ZBH-Set 8			×		×	■
14 214 372	PRELxx PRO 2014.1 G 1/8"	FN-ETV-VZ-ZBH-Set 8			×		×	□
14 222 312	PRELxx PRO 2014.1 G 1/8"	FN-ETV-black-ZBH-Set 10				×	×	■
14 222 372	PRELxx PRO 2014.1 G 1/8"	FN-ETV-VZ-ZBH-Set 10				×	×	□

Abbreviations

a	Outer / Male
FN	Filling nipple
G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
GS	Tested for safety
M	Metric thread, cylindrical, DIN 13
TÜV	Technical Inspection Agency in Germany
ZBH	Accessories
VZ	Galvanized



G



A Tradition of Innovation.

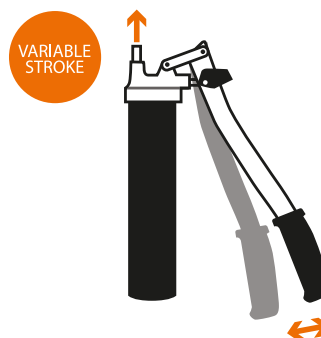
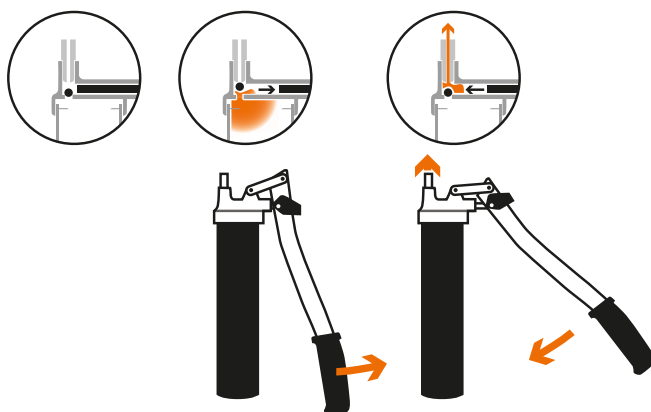


The new easyFILL 400 works without the need of any spring mechanism. Simply insert the cartridge, insert the follower plate and get started. The vacuum in the grease gun head moves the piston smoothly upwards all by itself. Through the Variable Stroke principle the grease gun can be easily operated with minimal lever movement.

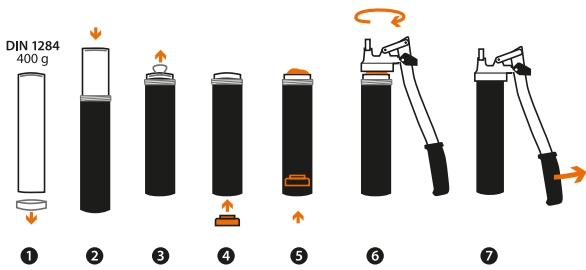
- Pressure: 400 bar
- For any 400 g commercial grease cartridge in accordance with DIN 1284
- Variable stroke - grease supply already at minimal lever movement
- Cartridge can be refilled with the PRESSOL filling adapter
- Ergonomic handle, slip-proof, optimum power transfer and handling

Innovative lubrication technology made by PRESSOL.

Grease with ease.
The new **easyFILL 400**



Insert, screw in – go!



- ❶ Remove cartridge cap
- ❷ Insert cartridge into the grease gun tube
- ❸ Open pull-off cap
- ❹ Insert follower plate into the cartridge from the bottom
- ❺ Press follower plate lightly until excess fat emerges (pull-off side)
- ❻ Screw in the grease gun tube including the cartridge into the grease gun head
- ❼ Slowly initiate the grease gun



Easily switch between high volume and high pressure via the handle



GREASE GUNS AND ACCESSORIES

easyFILL 400

400 bar

NLGI 2

Variable stroke



14 600 001

TECHNICAL DATA

- Capacity (cm³): 400
- Refilling options: 400 g grease cartridge, DIN 1284 (12 511), (12 514)
- Diameter of grease piston (mm): 9
- Grease pump piston actuation: manually lever operated
- Delivery rate/stroke (cm³): max. 2,15 at a fat density of 0.92 kg/dm³, tested with grease cartridge 400 g (12 511)
- Discharge pressure up to (bar): 400
- Burst pressure system (bar): 900
- Burst pressure grease gun head (bar): 1200
- Wall thickness of grease gun tube (mm): 1
- Grease gun tube colour: black

SPECIFICATION

- Follower plate, 10 pcs. (14 900)
- With hose holder
- Galvanized parts: hand lever, push rod handle
- Grease gun head, zinc die casting Z 410
- Ball seat valve, galvanized (85 589)
- Ergonomic handle, non-slip, excellent power transfer and handling

PRODUCTS

Item-No.	Description 1	Description 2
14 600	easyFILL 400 M 10 x 1	with 10 x follower plate- without ZBH
14 600 001	easyFILL 400 M 10 x 1	with 10 x follower plate-PZ-MU
14 601	easyFILL 400 G 1/8"	with 10 x follower plate- without ZBH
14 601 001	easyFILL 400 G 1/8"	with 10 x follower plate-PZ-MU

PRODUCT BENEFITS + FEATURES

- Operates with NLGI 2 greases at at least 10°C
- Quantity of delivered grease at a back-pressure of 200 bar nearly unchanged after 40,000 operating cycles
- Pump piston, cylinder and O-ring with 6 μ fit (no dummy lubrication)
- At high back pressure, e.g. gummy lubrication point, lubrication can be achieved with significantly less effort by shorter strokes
- Grease supply variable from 0,1 to 2,15 cm³ per stroke
- Thanks to the optimized hand lever kinematics, lubrication can be done with little effort
- The ease of dismantling permits simple cleaning
- Rolled thread on the grease gun tube resists damage from impact and allows quick and easy screwing-in by 1,5 turns
- High-speed ventilation, by half a rotation of the grease gun tube
- Designed for use in rough conditions
- Similar to DIN 1283

PACKAGING

- Packing unit: 1

Abbreviations

DIN	German Institute for Standardisation (DIN standards)
M	Metric thread, cylindrical, DIN 13
MU	Coupler
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA
PZ	High pressure hose

easyFILL ONE 400

Pressure:
300 bar

Volume:
200 bar

NLGI 2

Variable
stroke



14 700 002

TECHNICAL DATA

- Capacity (cm³): 400
- Refilling options: 400 g grease cartridge, DIN 1284 (12 511), (12 514)
- Grease pump piston actuation: manual, by means of pressure grip

Calibration Volume

- Delivery rate/stroke (cm³): 1,1
- Max. delivery pressure (bar): 200

Calibration Pressure

- Delivery rate/stroke (cm³): 0,7
- Max. delivery pressure (bar): 300

- Grease gun tube colour: black

SPECIFICATION

- follower plate, 10 pcs. (14 900)
- Galvanized parts: grip, lever, pulling strap
- Grease gun head, zinc die casting Z 410
- Ergonomic handle, non-slip, excellent power transfer and handling
- Packed in single carton box

PRODUCTS

Item-No.	Description 1	Description 2
14 700	easyFILL ONE 400 M 10 x 1	with 10 x follower plate- without ZBH
14 700 001	easyFILL ONE 400 M 10 x 1	with 10 x follower plate-PZ-MU
14 700 002	easyFILL ONE 400 M 10 x 1	with 10 x follower plate- GRDR-MU
14 701	easyFILL ONE 400 G 1/8"	with 10 x follower plate- without ZBH
14 701 001	easyFILL ONE 400 G 1/8"	with 10 x follower plate-PZ-MU
14 701 002	easyFILL ONE 400 G 1/8"	with 10 x follower plate- GRDR-MU

PRODUCT BENEFITS + FEATURES

- The construction allows a single hand operated lubrication for an easy work in restricted areas
- Can be switched with the hand grip from grease delivery with high volume to high pressure
- The ease of dismantling permits simple cleaning
- Rolled thread on the grease gun tube resists damage from impact and allows quick and easy screwing-in by 1,5 turns
- High-speed ventilation, by half a rotation of the grease gun tube
- Designed for use in rough conditions
- Similar to DIN 1283

PACKAGING

- Packing unit: 1

ACCESSORIES

Item-No.	Description 1	Description 2
14 900	Follower plate	
12 305	Adapter for filling	400 g cartridges
12 511	Grease cartridge-400 g	Multi Purpose Grease-NLGI 2
12 514	Grease cartridge-400 g-with integrated	follower plate-Multi Purpose Grease-NLGI 2

Abbreviations

GRDR Straight spout coupler

GREASE GUNS AND ACCESSORIES

One hand grease guns

Pressure:
300 bar

Volume:
200 bar

NLGI 2



12 250

TECHNICAL DATA

- Filling nipple: M 10 x 1
- Capacity (cm³): 500
- Refilling options: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease
- Diameter of grease piston (mm): 8
- Grease pump piston actuation: manual, by means of pressure grip
- Delivery rate/stroke (cm³): 0,8
- Max. delivery pressure (bar): 260
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Operation of plunger rod: with L-design handle
- Sealing cover: loose
- Wall thickness of grease gun tube (mm): 1,0
- Lacquering: silver

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)
- Sales packaging with EAN-Code

PRODUCT BENEFITS + FEATURES

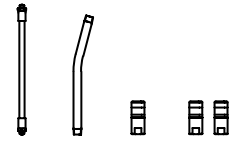
- Operates with greases up to NLGI grade 2 at 20°C
- Plunger with exactly fitting when using bulk grease or cartridge
- Similar to DIN 1283
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 40.000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Safe handle on the plunger rod
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- High-speed ventilation, by half a rotation of the grease gun tube

PACKAGING

- Packing unit: 1

Abkürzungen

a	Outer / Male	DIN	German Institute for Standardisation (DIN standards)
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA	MU	Coupler
EHFP	One hand grease gun	M	Metric thread, cylindrical, DIN 13
GRDR	Straight spout coupler	G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
		PZ	High pressure hose



PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"	PZ	GRDR	MU	2 x MU
12 250	One hand grease gun-EHFP	M 10 x 1-GRDR-MU	×			×	×	
12 250 950	One hand grease gun-EHFP	M 10 x 1-PZ-GRDR-MU	×		×	×	×	
12 254	One hand grease gun-EHFP	M 10 x 1-PZ-GRDR-2 x MU	×		×	×		×
12 270	One hand grease gun-EHFP	G 1/8"-GRDR-MU		×		×	×	
12 274	One hand grease gun-EHFP	G 1/8"-PZ-GRDR-2 x MU		×	×	×		×

GREASE GUNS AND ACCESSORIES

One hand grease guns



12 226

TECHNICAL DATA

- Filling nipple: M 10 x 1
- Capacity (cm³): 125
- Refilling options: grease gun filling system or bulk grease
- Diameter of grease piston (mm): 8
- Grease pump piston actuation: manual, by means of pressure grip
- Delivery rate/stroke (cm³): 0,4
- Discharge pressure up to (bar): 550
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Operation of plunger rod: with L-design handle
- Sealing cover: loose
- Wall thickness of grease gun tube (mm): 1,0
- Lacquering: silver

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)
- Sales packaging with EAN-Code

PRODUCT BENEFITS + FEATURES

- Operates with greases up to NLGI grade 2 at 20°C
- Contoured plunger, tight fitting, with bulk grease
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 40.000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Safe handle on the plunger rod
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease
- High-speed ventilation, by half a rotation of the grease gun tube

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"
12 226	One hand grease gun-EHFP	125 cm ³ -M 10 x 1-GRDR-MU	×	
12 276	One hand grease gun-EHFP	125 cm ³ -G 1/8"-GRDR-MU		×

Abbreviations

a	Outer / Male
EAN	European Article Number Code (bar code)
EHFP	One hand grease gun
G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
GRDR	Straight spout coupler
M	Metric thread, cylindrical, DIN 13
MU	Coupler
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA

Pressure:
300 bar

Volume:
200 bar

NLGI 2



TECHNICAL DATA

- Grease gun connection, pressure-side: M 10 x 1
- Refilling options: 500-g-screw-in cartridge (12 524)
- Grease pump piston actuation: manual, by means of pressure grip
- Surface treatment: galvanized

Calibration Volume

- Delivery rate/stroke (cm³): 1,1
- Max. delivery pressure (bar): 200

Calibration Pressure

- Delivery rate/stroke (cm³): 0,7
- Max. delivery pressure (bar): 300

SPECIFICATION

- Adapter for 500-g-screw-in cartridges (12 310)
- Precision machined coupler, 4 claws, M 10 x 1 female (12 643)
- Galvanized parts: grip, lever, pulling strap
- Grease gun head, zinc die casting Z 410
- Sales packaging with EAN-Code

PRODUCT BENEFITS + FEATURES

- Operates with greases up to NLGI grade 2 at 20°C
- The construction allows a single hand operated lubrication for an easy work in restricted areas
- Can be switched with the hand grip from grease delivery with high volume to high pressure

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2
12 845	One hand grease gun-EHFP	M 10 x 1-PZ-MU

Abbreviations

a	Outer / Male
BA	Jaws
EAN	European Article Number Code (bar code)
EHFP	One hand grease gun
PZ	High pressure hose
M	Metric thread, cylindrical, DIN 13
MU	Coupler
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA

GREASE GUNS AND ACCESSORIES

Product benefits + features One hand grease gun 2014.1



SINGLE HAND OPERATION

- The construction allows a single hand operated lubrication for an easy work in restricted areas
- Ergonomic handle, non-slip, excellent power transfer and handling



CALIBRATION VOLUME / PRESSURE

- Can be switched with the hand grip from grease delivery with high volume to high pressure

Calibration Volume

- Delivery rate/stroke (cm³): 1,1
- Max. delivery pressure (bar): 200

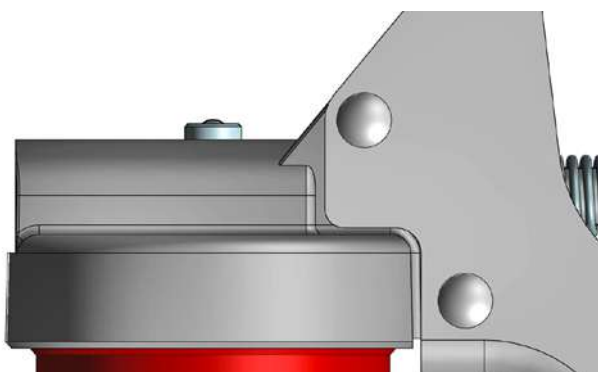


Calibration Pressure

- Delivery rate/stroke (cm³): 0,7
- Max. delivery pressure (bar): 300

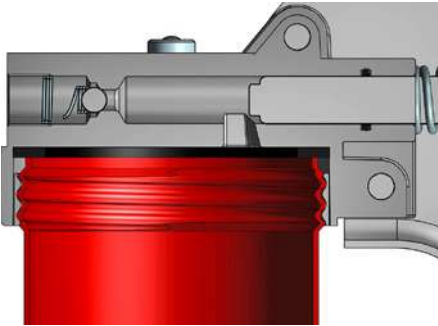


DIFFERENT GREASE GUN COLOURS FOR DIFFERENT GREASE TYPES



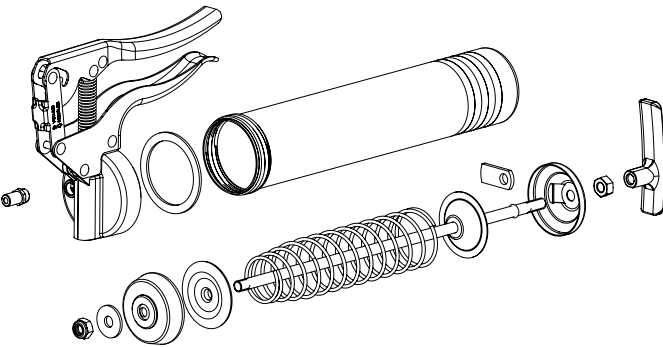
GREASE GUN HEAD ZINC DIE CASTING Z 410

- one-piece
- pressure resistant
- safe



ROLLED THREAD

- Rolled thread on the grease gun tube resists damage from impact and allows quick and easy screwing-in by 1,5 turns



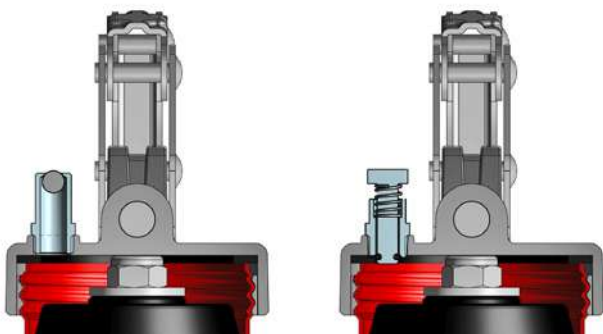
CLEANING – SPARE PARTS

- Easy to clean – Each component group and parts can be supplied as spare parts



GREASE PRESSURE RELIEF

- Push rod can be locked in any position - push rod does not have to be fully retracted to release the spring pressure on the grease (grease does not saponify)
- Damaged cartridges can easily be removed

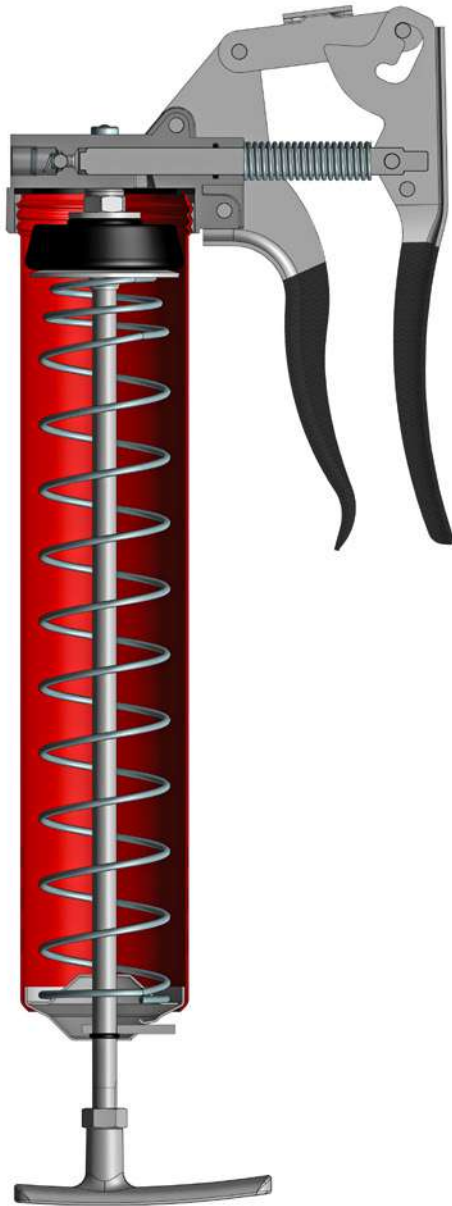


FILLING NIPPLE OR VENTING VALVE

- Filling nipple (FN), M 10 x 1 male (12 670)
- Venting valve (ETV), M 10 x 1 male (85 277)

GREASE GUNS AND ACCESSORIES

One hand grease gun 2014.1



TECHNICAL DATA

- Capacity (cm³): 500
- Refilling options: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease
- Grease pump piston actuation: manual, by means of pressure grip

Calibration Volume

- Delivery rate/stroke (cm³): 1,1
- Max. delivery pressure (bar): 200

Calibration Pressure

- Delivery rate/stroke (cm³): 0,7
- Max. delivery pressure (bar): 300

SPECIFICATION

- Grease gun head, zinc die casting Z 410
- Dismantleable and movable push rod system
- T-grip, optimized grip and pressure optimized
- Ergonomic handle, non-slip, excellent power transfer and handling
- Packed in single carton box

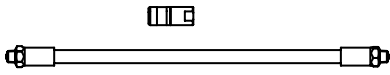
PRODUCT BENEFITS + FEATURES

- The construction allows a single hand operated lubrication for an easy work in restricted areas
- Can be switched with the hand grip from grease delivery with high volume to high pressure
- Due to the flexibility of the push rod, the plunger can be inserted into damaged cartridges or cartridges not exactly matching the standard dimensions
- Damaged cartridges can easily be removed
- Push rod can be locked in any position - push rod does not have to be fully retracted to release the spring pressure on the grease (grease does not saponify)
- The ease of dismantling permits simple cleaning
- Rolled thread on the grease gun tube resists damage from impact and allows quick and easy screwing-in by 1,5 turns
- High-speed ventilation, by half a rotation of the grease gun tube
- Designed for use in rough conditions
- Similar to DIN 1283

PACKAGING

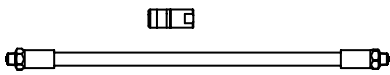
- Packing unit: 1

Accessories sets One hand grease guns 2014.1



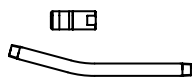
ACCESSORIES SET 1

- High pressure hose, M 10 x 1 male, 11 x 300 mm, with sealing ring (12 655 828)
- Coupler, 4 jaws, M 10 x 1 (12 643)



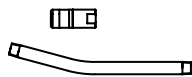
ACCESSORIES SET 2

- High pressure hose, G 1/8" male, 11 x 300 mm, with sealing ring (12 755 828)
- Coupler, 4 jaws, G 1/8" (12 743)



ACCESSORIES SET 3

- Angled spout, M 10 x 1, 150 mm (12 635)
- Coupler, 4 jaws, M 10 x 1 (12 643)



ACCESSORIES SET 4

- Angled spout, G 1/8", 150 mm (12 735)
- Coupler, 4 jaws, G 1/8" (12 743)



Abbreviations

a	Outer / Male
DIN	German Institute for Standardisation (DIN standards)
G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
M	Metric thread, cylindrical, DIN 13
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA

GREASE GUNS AND ACCESSORIES

One hand grease gun 2014.1 - M 10 x 1 with Filling nipple

Pressure:
300 bar

Volume:
200 bar

NLGI 2



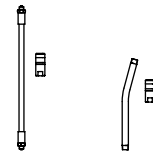
14 400 211

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)

PACKAGING

- Packing unit: 1



PRODUCTS

Item-No.	Description 1	Description 2	without ZBH	ZBH Set 1	ZBH Set 3	Colour
14 400 211	One hand grease gun 2014.1 M 10 x 1	FN-black- without ZBH	×			■
14 400 271	One hand grease gun 2014.1 M 10 x 1	FN-VZ- without ZBH	×			□
14 401 211	One hand grease gun 2014.1 M 10 x 1	FN-black-ZBH-Set 1		×		■
14 401 271	One hand grease gun 2014.1 M 10 x 1	FN-VZ-ZBH-Set 1		×		□
14 411 211	One hand grease gun 2014.1 M 10 x 1	FN-black-ZBH-Set 3			×	■
14 411 271	One hand grease gun 2014.1 M 10 x 1	FN-VZ-ZBH-Set 3			×	□

Abbreviations

a	Outer / Male
FN	Filling nipple
M	Metric thread, cylindrical, DIN 13
VZ	galvanized
ZBH	Accessories

One hand grease gun 2014.1 - M 10 x 1 with Venting valve

Pressure:
300 bar

Volume:
200 bar

NLGI 2



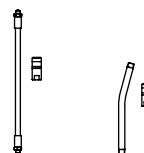
14 400 411

SPECIFICATION

- Venting valve (ETV), M 10 x 1 male (85 277)

PACKAGING

- Packing unit: 1



PRODUCTS

Item-No.	Description 1	Description 2	without ZBH	ZBH Set 1	ZBH Set 3	Colour
14 400 411	One hand grease gun 2014.1 M 10 x 1	ETV-black-without ZBH	×			■
14 400 471	One hand grease gun 2014.1 M 10 x 1	ETV-VZ-without ZBH	×			□
14 401 411	One hand grease gun 2014.1 M 10 x 1	ETV-black-ZBH-Set 1		×		■
14 401 471	One hand grease gun 2014.1 M 10 x 1	ETV-VZ-ZBH-Set 1		×		□
14 411 411	One hand grease gun 2014.1 M 10 x 1	ETV-black-ZBH-Set 3			×	■
14 411 471	One hand grease gun 2014.1 M 10 x 1	ETV-VZ-ZBH-Set 3			×	□

Abbreviations

a	Outer / Male
ETV	Venting valve
M	Metric thread, cylindrical, DIN 13
VZ	galvanized
ZBH	Accessories

GREASE GUNS AND ACCESSORIES

One hand grease gun 2014.1 - G 1/8" with Filling nipple

Pressure:
300 bar

Volume:
200 bar

NLGI 2



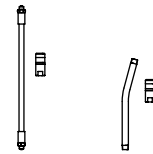
14 400 212

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)

PACKAGING

- Packing unit: 1



PRODUCTS

Item-No.	Description 1	Description 2	without ZBH	ZBH Set 2	ZBH Set 4	Farbe
14 400 212	One hand grease gun 2014.1 G 1/8"	FN-black- without ZBH	×			■
14 400 272	One hand grease gun 2014.1 G 1/8"	FN-VZ- without ZBH	×			□
14 402 272	One hand grease gun 2014.1 G 1/8"	FN-VZ-ZBH-Set 2		×		□
14 412 212	One hand grease gun 2014.1 G 1/8"	FN-black-ZBH-Set 4			×	■
14 412 272	One hand grease gun 2014.1 G 1/8"	FN-VZ-ZBH-Set 4			×	□

Abbreviations

a	Outer / Male
FN	Filling nipple
G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
M	Metric thread, cylindrical, DIN 13
VZ	galvanized
ZBH	Accessories

One hand grease gun 2014.1 - G 1/8" with Venting valve

Pressure:
300 bar

Volume:
200 bar

NLGI 2



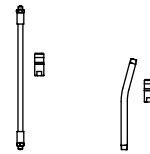
14 400 412

SPECIFICATION

- Venting valve (ETV), M 10 x 1 male (85 277)

PACKAGING

- Packing unit: 1



PRODUCTS

Item-No.	Description 1	Description 2	without ZBH	ZBH Set 2	ZBH Set 4	Farbe
14 400 412	One hand grease gun 2014.1 G 1/8"	ETV-black-without ZBH	×			■
14 400 472	One hand grease gun 2014.1 G 1/8"	ETV-VZ-without ZBH	×			□
14 402 412	One hand grease gun 2014.1 G 1/8"	ETV-black-ZBH-Set 2		×		■
14 402 472	One hand grease gun 2014.1 G 1/8"	ETV-VZ-ZBH-Set 2		×		□
14 412 412	One hand grease gun 2014.1 G 1/8"	ETV-black-ZBH-Set 4			×	■
14 412 472	One hand grease gun 2014.1 G 1/8"	ETV-VZ-ZBH-Set 4			×	□

Abbreviations

a	Outer / Male
ETV	Venting valve
G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
M	Metric thread, cylindrical, DIN 13
VZ	galvanized
ZBH	Accessories

GREASE GUNS AND ACCESSORIES

Two-hand grease guns

400 bar

NLGI 2



12 850

TECHNICAL DATA

- Connection druckseitig: M 10 x 1
- Diameter of grease piston (mm): 10
- Max. delivery pressure (bar): 400
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Delivery rate stroke (cm³): max. 2 at a grease density of 0.92 kg/dm³, tested with EP2 multi-purpose grease
- Filling: 500-g-screw-in cartridge (12 524)

SPECIFICATION

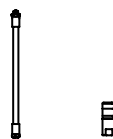
- With hose holder
- Retention adapter; G 1/8" female, M 10 x 1 male (12 016)
- Sales packaging with EAN-Code

PRODUCT BENEFITS + FEATURES

- Operates with greases up to NLGI grade 2 at 20°C
- Complete emptying of the cartridge
- Easy operating by vacuum generation
- Pump piston, cylinder and O-ring with 6 µ fit (no dummy lubrication)
- Quick and clean exchange of cartridges
- Environmental friendly, cartridge can be emptied completely
- Permanent control of filling level and type of grease
- Ergonomic handgrips, slip resistant

PACKAGING

- Packing unit: 1



PRODUCTS

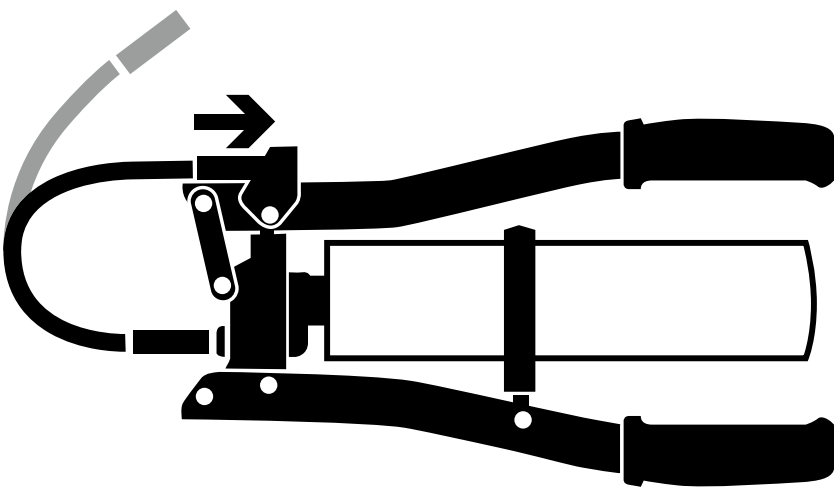
Item-No.	Description 1	Description 2	PZ	MU
12 850	Two-hand grease gun-ZHFP	M 10 x 1-G 1/8"		
12 851	Two-hand grease gun-ZHFP	M 10 x 1-PZ-MU	×	×

Abbreviations

a	Outer / Male
G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
i	Inside / Female
M	Metric thread, cylindrical, DIN 13
MU	Coupler
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA
PZ	High pressure hose



G



GREASE GUNS AND ACCESSORIES

Compressed air grease guns DL and DLplus

400 bar

NLGI 2



18 071

TECHNICAL DATA

- Grease gun connection, pressure-side: M 10 x 1
- Filling nipple: M 10 x 1
- Capacity (cm³): 500
- Refilling options: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease
- Pressure ratio: 50:1
- Grease supply into the grease gun head: spring operated
- Diameter of grease piston (mm): 6
- Grease pump piston actuation: single-stroke grease supply
- Delivery rate/stroke (cm³): 0,8
- Recommended air pressure (bar): 6
- Min. air pressure (bar): 2
- Max. air pressure (bar): 8
- Pump pressure at 8 bar air pressure (bar): 400
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Operation of plunger rod: with L-design handle
- Sealing cover: loose
- Wall thickness of grease gun tube (mm): 1,0
- Lacquering: silver

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)
- Sales packaging with EAN-Code

PRODUCT BENEFITS + FEATURES

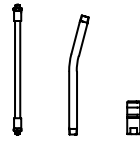
- Operates with greases up to NLGI grade 2 at 20°C
- Plunger with exactly fitting when using bulk grease or cartridge
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 40.000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Safe handle on the plunger rod
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- High-speed ventilation, by half a rotation of the grease gun tube

PACKAGING

- Packing unit: 1

Abbreviations

a	Outer / Male
DIN	German Institute for Standardisation (DIN standards)
EAN	European Article Number Code (bar code)
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA



PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	PZ	GBDR	MU	Compressed air connection
18 071	Compressed air grease gun-DL	M 10 x 1-GBDR-MU	×		×	×	Hose nozzle, 6 mm, for hose, DN 6 (20 132)
18 072	Compressed air grease gun-DLplus	M 10 x 1-PZ-MU	×	×		×	female Rectus quick release airline connector, type 26 Compressed air

G

Abbreviations

- DL Compressed air
- DN Inner diameter, in millimetres
- GBDR Angled spout coupler
- M Metric thread, cylindrical, DIN 13
- MU Coupler
- PZ High pressure hose

GREASE GUNS AND ACCESSORIES

Compressed air grease guns DLkombi



TECHNICAL DATA

- Grease gun connection, pressure-side: M 10 x 1
- Filling nipple DLFP: M 10 x 1
- Capacity (cm³): 500
- Refilling options DLFP: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease
- Refilling options HHFP: 400 g grease cartridge, DIN 1284, or bulk grease
- Pressure ratio DLFP: 50:1
- Grease supply into the grease gun head: spring operated
- Diameter of grease piston DLFP (mm): 6
- Grease pump piston actuation DLFP: single-stroke grease supply
- Delivery rate/stroke DLFP (cm³): 0,8
- Recommended air pressure (bar): 6
- Min. air pressure (bar): 2
- Max. air pressure (bar): 8
- Compressed air connection: Hose nozzle, 6 mm, for hose, DN 6 (20 132)
- Pump pressure at 8 bar air pressure (bar): 400
- Diameter of grease piston HHFP (mm): 8
- Grease pump piston actuation HHFP: manually lever operated
- Delivery rate/stroke HHFP (cm³): 1,2, at a counter-pressure of 400 bar
- Operating pressure HHFP (bar): up to 400
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Operation of plunger rod: with L-design handle
- Sealing cover: loose
- Wall thickness of grease gun tube (mm): 1,0
- Lacquering: silver

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)
- With additional grease gun head and lever assembly for conversion to lever operation
- High pressure hose, M 10 x 1 male, 8 x 300 mm (12 656)
- Angled spout, M 10 x 1, 150 mm (12 635)
- 2 Couplers, 4 jaws, turned, M 10 x 1 (12 631)
- Sales packaging with EAN-Code

PRODUCT BENEFITS + FEATURES

- Operates with greases up to NLGI grade 2 at 20°C
- Plunger with exactly fitting when using bulk grease or cartridge
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 40.000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Safe handle on the plunger rod
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- Low effort required for lubrication due to optimum lever efficiency
- High-speed ventilation, by half a rotation of the grease gun tube

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2
18 074	Compressed air grease gun-DLkombi	M 10 x 1-PZ-GBDR-2 x MU

Abbreviations

a	Outer / Male
BA	Jaws
DIN	German Institute for Standardisation (DIN standards)
DL	Compressed air
DN	Inner diameter, in millimetres
EAN	European Article Number Code (bar code)
GBDR	Angled spout coupler
HHFP	Manual lever grease gun
M	Metric thread, cylindrical, DIN 13
MU	Coupler
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA
PZ	High pressure hose

GREASE GUNS AND ACCESSORIES

Compressed air grease guns DLautomatic

400 bar

NLGI 2



18 073

TECHNICAL DATA

- Filling nipple: M 10 x 1
- Capacity (cm³): 500
- Refilling options: 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease
- Pressure ratio: 50:1
- Grease supply into the grease gun head: spring operated
- Diameter of grease piston (mm): 6
- Grease pump piston actuation: air operated providing a continuous grease flow
- Delivery rate/stroke (cm³): 0,8
- Recommended air pressure (bar): 6
- Min. air pressure (bar): 2
- Max. air pressure (bar): 8
- Compressed air connection: female Rectus quick release airline connector, type 26
- Pump pressure at 8 bar air pressure (bar): 400
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Operation of plunger rod: with L-design handle
- Sealing cover: loose
- Wall thickness of grease gun tube (mm): 1,0
- Lacquering: graphite-grey

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)
- Sales packaging with EAN-Code

PRODUCT BENEFITS + FEATURES

- Operates with greases up to NLGI grade 2 at 20°C
- Plunger with exactly fitting when using bulk grease or cartridge
- Pump piston with high accuracy of fit to the cylinder (no dummy apparent lubrication)
- Performance unchanged after 40.000 actuating cycles
- Separate filling and ventilation valves on grease gun head
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Safe handle on the plunger rod
- Plunger rod clamp on end cap enables manual pressure to be applied to spring to compress bulk grease, or to force in the plunger in damaged cartridges
- High-speed ventilation, by half a rotation of the grease gun tube

PACKAGING

- Packing unit: 1

Abbreviations

a	Outer / Male
DIN	German Institute for Standardisation (DIN standards)
EAN	European Article Number Code (bar code)
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA



PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"	GRDR	PZ	Precision-MU	Hydraulic-MU
18 073	Compressed air grease gun-DLautomatic	M 10 x 1-GRDR-MU	×		×		×	
18 073 125	Compressed air grease gun-DLautomatic	G 1/8"-GRDR-MU		×	×		×	
18 077	Compressed air grease gun-DLautomatic	M 10 x 1-PZ-GRDR-2 x MU	×		×	×	×	×



G

Abbreviations

- DL Compressed air
- G Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
- GRDR Straight spout coupler
- M Metric thread, cylindrical, DIN 13
- MU Coupler
- PZ High pressure hose

GREASE GUNS AND ACCESSORIES

PNEUMAxX lever operated grease guns



TECHNICAL DATA

- Filling nipple: M 10 x 1
- Capacity (cm³): 500
- 400 g grease cartridge, DIN 1284, grease gun filling system or 400 g screw-in cartridges (length incl. threads 250 mm - Ø 53 mm), with adapter, separately to be ordered (12 091)
- Grease supply into the grease gun head: by means of compressed air
- Supply pressure (load pressure into grease gun head) (bar): 4
- Pressure application (load pressure): by means of a hand pump
- Pressure relief (load pressure): overpressure and pressure relieve valve
- Diameter of grease piston (mm): 8
- Grease pump piston actuation: manually lever operated
- Delivery rate/stroke (cm³): 1,2
- Discharge pressure up to (bar): 400
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Wall thickness of grease gun tube (mm): 1
- Lacquering of grease gun: window grey, satin, RAL 7040
- Colour handgrip and operating pump: blue, Pantone 294 C

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)
- Empty cartridge, 400 g (12 519)
- Sales packaging with EAN-Code

PRODUCT BENEFITS + FEATURES

- Suitable for all high performance lubricants for industrial use and thickest BIO greases up to NLGI 3, at a grease temperature until -10 °C
- Pneumatic grease supply to the grease gun head by compressed air at 4 bar pressure
- Traditional compression spring mechanism is replaced by a pneumatic system, operating problems will be reduced to a minimum, no grease can get behind the piston seal
- Due to the safety and pressure relief valves the grease gun can be stored pressure free.
- Precision accuracy of fit of pump piston and cylinder (no false lubrication)
- Performance unchanged after 40.000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Slip resistant handle on grease gun lever
- Low effort required for lubrication due to optimum lever efficiency

PACKAGING

- Packing unit: 1

Abbreviations

a	Outer / Male
DIN	German Institute for Standardisation (DIN standards)
EAN	European Article Number Code (bar code)
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"
12 826	PNEUMAx-HHFP	M 10 x 1-PZ-GBDR-2 x MU	×	
12 826 125	PNEUMAx-HHFP	G 1/8"-PZ-GBDR-2 x MU		×



Abbreviations

G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
GBDR	Angled spout coupler
HHFP	Manual lever grease gun
M	Metric thread, cylindrical, DIN 13
MU	Coupler
PZ	High pressure hose

GREASE GUNS AND ACCESSORIES

PNEUMAxX One hand grease guns

400 bar

NLGI 3



12 282

TECHNICAL DATA

- Filling nipple: M 10 x 1
- Capacity (cm³): 500
- 400 g grease cartridge, DIN 1284, grease gun filling system or 400 g screw-in cartridges (length incl. threads 250 mm - Ø 53 mm), with adapter, separately to be ordered (12 091)
- Grease supply into the grease gun head: by means of compressed air
- Supply pressure (load pressure into grease gun head) (bar): 4
- Pressure application (load pressure): by means of a hand pump
- Pressure relief (load pressure): overpressure and pressure relieve valve
- Diameter of grease piston (mm): 8
- Grease pump piston actuation: manual, by means of pressure grip
- Delivery rate/stroke (cm³): 0,8
- Discharge pressure up to (bar): 260
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Wall thickness of grease gun tube (mm): 1
- Lacquering of grease gun: window grey, satin, RAL 7040
- Colour handgrip and operating pump: blue, Pantone 294 C

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)
- Empty cartridge, 400 g (12 519)
- Sales packaging with EAN-Code

PRODUCT BENEFITS + FEATURES

- Suitable for all high performance lubricants for industrial use and thickest BIO greases up to NLGI 3, at a grease temperature until -10 °C
- Pneumatic grease supply to the grease gun head by compressed air at 4 bar pressure
- Traditional compression spring mechanism is replaced by a pneumatic system, operating problems will be reduced to a minimum, no grease can get behind the piston seal
- Due to the safety and pressure relief valves the grease gun can be stored pressure free.
- Precision accuracy of fit of pump piston and cylinder (no false lubrication)
- Performance unchanged after 40.000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls
- Low effort required for lubrication due to optimum lever efficiency

PACKAGING

- Packing unit: 1

Abbreviations

a	Outer / Male
DIN	German Institute for Standardisation (DIN standards)
EAN	European Article Number Code (bar code)
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"
12 282	PNEUMAxx-EHFP	M 10 x 1-PZ-GRDR-2 x MU	×	
12 282 125	PNEUMAxx-EHFP	G 1/8"-PZ-GRDR-2 x MU		×

G

Abbreviations

EHFP	One hand grease gun
G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
GRDR	Straight spout coupler
M	Metric thread, cylindrical, DIN 13
MU	Coupler
PZ	High pressure hose

GREASE GUNS AND ACCESSORIES

PNEUMAxX Compressed air grease guns



18 066

TECHNICAL DATA

- Filling nipple: M 10 x 1
- Capacity (cm³): 500
- 400 g grease cartridge, DIN 1284, grease gun filling system or 400 g screw-in cartridges (length incl. threads 250 mm - Ø 53 mm), with adapter, separately to be ordered (12 091)
- Grease supply into the grease gun head: by means of compressed air
- Supply pressure (load pressure into grease gun head) (bar): 4
- Pressure application (load pressure): by means of a hand pump
- Pressure relief (load pressure): overpressure and pressure relieve valve
- Diameter of grease piston (mm): 6
- Grease pump piston actuation: manual, by means of pressure grip
- Delivery rate/stroke (cm³): 0,8
- Working pressure for air compressed motor (bar): 6
- Minimum pressure for compressed air operation (bar): 2
- Max. air pressure for compressed air motor (bar): 8
- Compressed air connection: female Rectus quick release airline connector, type 26
- Operating pressure to lubrication point (bar): 100 / 400
- Burst pressure system (bar): 850
- Burst pressure grease gun head (bar): 1200
- Wall thickness of grease gun tube (mm): 1
- Lacquering of grease gun: window grey, satin, RAL 7040
- Colour handgrip and operating pump: blue, Pantone 294 C

SPECIFICATION

- Filling nipple (FN), M 10 x 1 male (12 670)
- Empty cartridge, 400 g (12 519)
- With suspension eye
- Sales packaging with EAN-Code

PRODUCT BENEFITS + FEATURES

- Suitable for all high performance lubricants for industrial use and thickest BIO greases up to NLGI 3, at a grease temperature until -10 °C
- Pneumatic grease supply to the grease gun head by compressed air at 4 bar pressure
- Traditional compression spring mechanism is replaced by a pneumatic system, operating problems will be reduced to a minimum, no grease can get behind the piston seal
- Due to the safety and pressure relief valves the grease gun can be stored pressure free.
- Precision accuracy of fit of pump piston and cylinder (no false lubrication)
- Performance unchanged after 40.000 actuating cycles
- Grease gun head, zinc die casting Z 410
- Sure grip handling due to deep band knurls

PACKAGING

- Packing unit: 1

Abbreviations

a	Outer / Male
DIN	German Institute for Standardisation (DIN standards)
EAN	European Article Number Code (bar code)
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"
18 066	PNEUMAx-DLFP	M 10 x 1-PZ-GRDR-2 x MU	×	
18 066 125	PNEUMAx-DLFP	G 1/8"-PZ-GRDR-2 x MU		×

G

Abbreviations

DLFP	Compressed air grease gun
G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
GRDR	Straight spout coupler
M	Metric thread, cylindrical, DIN 13
MU	Coupler
PZ	High pressure hose

GREASE GUNS AND ACCESSORIES

Accessories for PNEUMAxX grease guns



12 091




SPECIFICATION

- For all PNEUMAxX grease guns

PACKAGING

- Packing unit: 1

PRODUCTS

Figure	Item-No.	Description 1	Description 2
	12 091	Adapter	for PNEUMAxX grease guns
	12 094	Follower plate	for cartridges acc. to DIN 1284
	12 519	Empty cartridge-400 g	for PNEUMAxX grease guns

Abbreviations

DIN	German Institute for Standardisation (DIN standards)
EHFP	One-hand grease gun
G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
M	Metric thread, cylindrical, DIN 13
MU	Coupler
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA
PZ	High pressure hose
ZHFP	Two-hand grease gun

Grease guns and accessories for 500-g-cartridges









12 851

PACKAGING

- Packing unit: 1 (12 524: 30)

PRODUCTS

Figure	Item-No.	Description 1	Description 2	Application
	12 850	Two-hand grease gun-ZHFP	M 10 x 1-G 1/8"	
	12 851	Two-hand grease gun-ZHFP	M 10 x 1-PZ-MU	
	12 845	One hand grease gun-EHFP	M 10 x 1-PZ-MU	
	12 310	Adapter-500-g-cartridges	Accu and One hand grease guns 2014.1	For use with 500-g-screw-in cartridges in One-hand grease guns 2014.1 and Accu grease gun (18 040), 500 cm ³
	12 312	Adapter for filling	500-g-cartridges	For filling 500-g-screw-in cartridges with grease gun filling system
	12 524	Cartridge-500 g	Multi purpose-EP2LA-NLGI 2	Application for roller and friction bearings at high loads

GREASE GUNS AND ACCESSORIES

Battery grease gun with ZBH

**The professional battery grease gun.
Heavy Duty, exceptional workload.**

680 bar

NLGI 2



SPECIAL NOTES

- Operates with greases up to NLGI grade 2 at 20°C
- Plunger with exactly fitting when using bulk grease or cartridges
- With filling nipple and ventilating valve
- 2 adjustable grease supply speeds
- The accumulator's charging level is indicated at the grease gun and at the accumulator
- With LED light at the grease gun head
- The grease gun is equipped with a stand and a hose holder
- Soft grip handle
- Safe handle on the plunger rod
- Stable construction

PACKAGING

- Dimensions carrying bag LxWxH (mm): 545 x 260 x 100
- Weight (kg) with accessories and case: 6
- Packing unit: 1,0

PRODUCTS

Item-No.	Description 1	Description 2	Specification
18 051	ACCU-grease gun with ZBH	20 V / 2.0 Ah	2 lithium-ion batteries 20 V / 2.0 Ah

Abbreviations

DIN	German Institute for Standardisation (DIN standards)	ZBH	Accessories
NLGI	Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA		

TECHNICAL DATA

- Grease pump piston actuation: electric motor driven by a 20 V accumulator ensures continuous grease supply
- Refilling options: 400 g grease cartridge, DIN 1284, or bulk grease
- Delivery rate (g/min): approx. 150
- Delivery per accu load:
 - approx. 25 pieces 400 g cartridges (without counter pressure)
 - approx. 7 pieces 400 g cartridges (at approx. 100 bar counter pressure)
- Operating pressure max. (bar): 400
- Maximum pressure (bar): 680
- Charging time: approx. 60 minutes
- High performance battery: 2000 mAh
- Grease supply hose: 11 x 1000 mm
- Operation of plunger rod: with T-grip
- Sealing cover: loose
- Wall thickness of grease gun tube (mm): 1
- Dimensions LxWxH (mm): 380 x 205 x 110
- Weight of accu grease gun, empty (kg): 3,56

Charger

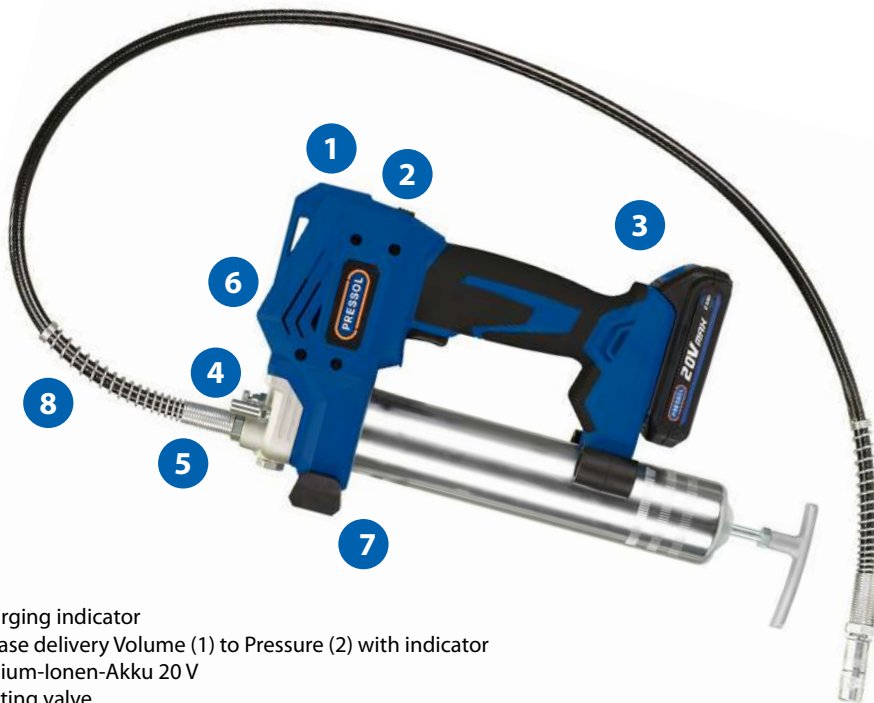
- Input voltage (V): 230 V AC
- Frequency (Hz): 50/60
- Input current max. (A): 0,5
- Input power max. (W): 45
- Output voltage (V): 16-21 V DC
- Output current (A): 1,5
- Connecting cable with Euro two-pin plug, length (m): 1,6
- Dimensions without cable LxWxH (mm): 180 x 120 x 85
- Weight (kg): 0,455

Accu

- Capacity: 2000 mAh
- Voltage (V): 20
- Accu: lithium-ion battery
- Charging time: approx. 60 minutes
- Dimensions LxWxH (mm): 118 x 76 x 45
- Weight (kg): 0,378

SPECIFICATION

- Electric motor driven by a 20 V accumulator
- 2 lithium-ion batteries 20 V, 2000 mAh (18 051 100)
- Flexible high-pressure hose, 11 x 1000 mm, non-drip nozzle (18 042)
- Precision machined coupler, 4 claws, M 10 x 1 female (12 643)
- Retention adapter, G 1/8" female, M 10 x 1 male (12 016) and retention adapter, NPT 1/8" female, M 10 x 1 male (12 020)
- Grease gun tube galvanized
- Accu charger 230 V (18 051 200)
- Packed in plastic case, black



- ❶ Charging indicator
- ❷ Grease delivery Volume (1) to Pressure (2) with indicator
- ❸ Lithium-Ionen-Akku 20 V
- ❹ Venting valve
- ❺ Filling nipple
- ❻ LED light
- ❼ Support legs
- ❽ High-pressure hose with anti-kink spring 11 × 1000 mm



Display Volume (L) and Pressure (H) and battery charge indicator




LED light




Packed in a practical carrying case

Accessories for battery grease gun


PRODUCTS

Figure	Item-No.	Description 1	Description 2
	18 051 100	Li-Io battery-20 V-2000 mAh	for battery grease gun (18 051) approx. 25 pieces 400 g cartridges (without counter pressure) approx. 7 pieces 400 g cartridges (at approx. 100 bar counter pressure)

1 ×  = 25 KARTUSCHEN CARTRIDGES

	18 051 200	Charger-230 V	for Li-Io-battery 20 V (18 051 100 & 18 051 101)
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Optional accessories

	18 051 101	Li-Io battery-20 V-4000 mAh	for battery grease gun (18 051) approx. 50 pieces 400 g cartridges (without counter pressure) approx. 15 pieces 400 g cartridges (at approx. 100 bar counter pressure)
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1 ×  = 50 KARTUSCHEN CARTRIDGES

Abbreviations

GREASE GUNS AND ACCESSORIES

Oil guns

400 bar



TECHNICAL DATA

- Oil gun connection - pressure side, with metal adapter: M 10 x 1
- Capacity (ml): 500
- Refilling options: utilising a sealing cap
- Diameter oil plunger: 9
- Actuation oil plunger: manual with lever
- Delivery rate/stroke (cm³): proportional to the manual lever operating distance, max. 1,4
- Max. delivery pressure (bar): 400
- Burst pressure system (bar): 850
- Burst pressure oil gun head (bar): 1200
- Wall thickness pipe (mm): 1
- Lacquering: silver

SPECIFICATION

- Angled spout, M 10 x 1, 150 mm (12 635)
- Coupler, 4 jaws, M 10 x 1, with ball valve (12 642)
- Sales packaging with EAN-Code

PRODUCT BENEFITS + FEATURES

- With double plunger with leak-proof construction for oils and liquid greases
- Chain retrieval of two-way plunger
- Pump piston with high accuracy of fit to the cylinder
- No dummy (apparent) lubrication. Sealing system: O-ring and ball valve prevent oil compressed in the oil gun head from feeding back
- Performance unchanged after 40.000 actuating cycles
- Ölpressenkopf and jerrycan locking cap aus zinc die casting Z 410
- Slip-proof handle on the lever of the lever oil gun
- Allows lubrication in difficult to reach locations because the smallest lever operation results in oil being pumped reliably to the lubrication point
- Enables even under extreme backpressure, a variable lubrication pressure with steady effort applied

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2
12 602	Oil gun-HHÖP	M 10 x 1-GBDR-MU

Abbreviations

BA	Jaws
EAN	European Article Number Code (bar code)
GBDR	Angled spout coupler
HHÖP	Oil press designed as manual lever gun
M	Metric thread, cylindrical, DIN 13
MU	Coupler

Hand lever guns for concrete work

400 bar



TECHNICAL DATA

- Grease gun connector on the delivery side utilising a metal adapter: M 10 x 1
- Capacity (cm³): 1000
- Refilling options: utilising a sealing cap
- Diameter pump piston (mm): 8
- Actuation piston: manually lever operated
- Delivery rate/stroke (cm³): 1,2, at a counter-pressure of 400 bar
- Discharge pressure up to (bar): 400
- Burst pressure system (bar): 850
- Burst pressure Pressenkopf (bar): 1200
- Wall thickness pipe (mm): 1,0
- Surface treatment: all steel components are galvanized

SPECIFICATION

- polybag, blank

PRODUCT BENEFITS + FEATURES

- For repairing of cracks in concrete with liquid resins
- Precision accuracy of fit of pump piston and cylinder (no false lubrication)
- Performance unchanged after 40.000 actuating cycles
- Grease gun head, zinc die casting Z 410
- slip resistant handle on gun grip
- Low effort required for lubrication due to optimum lever efficiency
- Sealing cap, plastic, with vacuum air valve

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2
12 688	Manual lever gun-for concrete work-BHHP	M 10 x 1

Abbreviations

- BHHP** Lever-operated gun for concrete work
M Metric thread, cylindrical, DIN 13

GREASE GUNS AND ACCESSORIES

High pressure, reinforced hose acc. to DIN 1283



12 751 123

TECHNICAL DATA

- Burst pressure (bar): 900
- Design: acc. to DIN 1283
- Casing: polyamide 12, soft (Ø a: 8 mm)
polyurethane, microbe-stabilized (Ø a: 11 mm)
- Inner hose: polyamide 6, soft
- Reinforcement: polyester, high-strength

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"	Ø a: 8 mm	Ø a: 11 mm	Length (mm)	with sealing ring
12 753	High pressure hose-G 1/8" male	8 x 230 mm		×	×		230	
12 656	High pressure hose-M 10 x 1 male	8 x 300 mm	×		×		300	
12 756	High pressure hose-G 1/8" male	8 x 300 mm		×	×		300	
12 666	High pressure hose-M 10 x 1 male	8 x 500 mm	×		×		500	
12 766	High pressure hose-G 1/8" male	8 x 500 mm		×	×		500	
12 751 123	High pressure hose-M 10 x 1 male	11 x 230 mm	×			×	230	
12 751 828	High pressure hose-M 10 x 1 male	11 x 230 mm-seal	×			×	230	×
12 751	High pressure hose-G 1/8" male	11 x 230 mm		×		×	230	
12 751 829	High pressure hose-G 1/8" male	11 x 230 mm-seal		×		×	230	×
12 655	High pressure hose-M 10 x 1 male	11 x 300 mm	×			×	300	
12 655 828	High pressure hose-M 10 x 1 male	11 x 300 mm-seal	×			×	300	×
12 655 105	High pressure hose-M 10 x 1 male	11 x 300 mm-50 pcs.	×			×	300	
12 655 829	High pressure hose-M 10 x 1 male	11 x 300 mm-seal-50 pcs.	×			×	300	×
12 755	High pressure hose-G 1/8" male	11 x 300 mm		×		×	300	
12 755 828	High pressure hose-G 1/8" male	11 x 300 mm-seal		×		×	300	×
12 665	High pressure hose-M 10 x 1 male	11 x 500 mm	×			×	500	
12 665 828	High pressure hose-M 10 x 1 male	11 x 500 mm-seal	×			×	500	×
12 765	High pressure hose-G 1/8" male	11 x 500 mm		×		×	500	
12 765 828	High pressure hose-G 1/8" male	11 x 500 mm-seal		×		×	500	×
12 880	High pressure hose-M 10 x 1 male	11 x 600 mm	×			×	600	
12 880 828	High pressure hose-M 10 x 1 male	11 x 600 mm-seal	×			×	600	×
12 882	High pressure hose-M 10 x 1 male	11 x 800 mm	×			×	800	
12 882 828	High pressure hose-M 10 x 1 male	11 x 800 mm-seal	×			×	800	×
12 884	High pressure hose-M 10 x 1 male	11 x 1000 mm	×			×	1000	
12 884 828	High pressure hose-M 10 x 1 male	11 x 1000 mm-seal	×			×	1000	×

Abbreviations

a Outer / Male

G Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)

DIN

German Institute for Standardisation (DIN standards)

M

Metric thread, cylindrical, DIN 13

High pressure, reinforced hose acc. to DIN 1283 with coupler



12 655 818

TECHNICAL DATA

- Burst pressure (bar): 900
- Design: acc. to DIN 1283
- Casing: polyamide 12, soft (Ø a: 8 mm)
polyurethane, microbe-stabilized (Ø a: 11 mm)
- Inner hose: polyamide 6, soft
- Reinforcement: polyester, high-strength

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	Ø a:		Length (mm)	H	M1/T1	M22
			M 10 x 1	G 1/8"				
12 656 810	High pressure hose-M 10 x 1 male	8 x 300 mm-hydraulic coupler	×		300	×		
12 756 810	High pressure hose-G 1/8" male	8 x 300 mm-hydraulic coupler		×	300	×		
12 666 810	High pressure hose-M 10 x 1 male	8 x 500 mm-hydraulic coupler	×		500	×		
12 766 810	High pressure hose-G 1/8" male	8 x 500 mm-hydraulic coupler		×	500	×		
12 655 809	High pressure hose-M 10 x 1 male	11 x 300 mm-Precision coupler	×		300	×		
12 755 809	High pressure hose-G 1/8" male	11 x 300 mm-Precision coupler		×	300	×		
12 655 810	High pressure hose-M 10 x 1 male	11 x 300 mm-hydraulic coupler	×		300	×		
12 755 810	High pressure hose-G 1/8" male	11 x 300 mm-hydraulic coupler		×	300	×		
12 655 818	High pressure hose-M 10 x 1 male	11 x 300 mm-button head coupler-16 mm	×		300		×	
12 755 818	High pressure hose-G 1/8" male	11 x 300 mm-button head coupler-16 mm		×	300		×	
12 655 819	High pressure hose-M 10 x 1 male	11 x 300 mm-button head coupler-22 mm	×		300			×
12 755 819	High pressure hose-G 1/8" male	11 x 300 mm-button head coupler-22 mm		×	300			×
12 665 809	High pressure hose-M 10 x 1 male	11 x 500 mm-Precision coupler	×		500	×		
12 765 809	High pressure hose-G 1/8" male	11 x 500 mm-Precision coupler		×	500	×		
12 665 810	High pressure hose-M 10 x 1 male	11 x 500 mm-hydraulic coupler	×		500	×		
12 765 810	High pressure hose-G 1/8" male	11 x 500 mm-hydraulic coupler		×	500	×		
12 665 818	High pressure hose-M 10 x 1 male	11 x 500 mm-button head coupler-16 mm	×		500		×	
12 765 818	High pressure hose-G 1/8" male	11 x 500 mm-button head coupler-16 mm		×	500		×	
12 665 819	High pressure hose-M 10 x 1 male	11 x 500 mm-button head coupler-22 mm	×		500			×
12 765 819	High pressure hose-G 1/8" male	11 x 500 mm-button head coupler-22 mm		×	500			×

Abbreviations

a	Outer / Male	DIN	German Institute for Standardisation (DIN standards)
G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)	H	Coupler for Hydraulic grease nipple acc. to DIN 71 412
M	Metric thread, cylindrical, DIN 13	M1	Flat grease nipple, 16 mm, round head
M22	Flat grease nipple, 22 mm, round head	T1	Flat grease nipple, 16 mm, hexagonal head

GREASE GUNS AND ACCESSORIES

High pressure, reinforced hose acc. to DIN 1283 in self-service package



12 855

TECHNICAL DATA

- Burst pressure (bar): 900
- Design: acc. to DIN 1283
- Casing: polyamide 12, soft (Ø a: 8 mm)
polyurethane, microbe-stabilized (Ø a: 11 mm)
- Inner hose: polyamide 6, soft
- Reinforcement: polyester, high-strength

SPECIFICATION

- SB sales packing, with EAN bar code

PACKAGING

- Packing unit: 10

PRODUCTS

Item-No.	Description 1	Description 2	Ø a:		Length (mm)	with	
			M 10 x 1	G 1/8"		8 mm	11 mm
12 857	High pressure hose-M 10 x 1 male	8 x 300 mm-SBV	×		300	×	
12 757	High pressure hose-G 1/8" male	8 x 300 mm-SBV		×	300	×	
12 859	High pressure hose-M 10 x 1 male	8 x 500 mm-SBV	×		500	×	
12 759	High pressure hose-G 1/8" male	8 x 500 mm-SBV		×	500	×	
12 855	High pressure hose-M 10 x 1 male	11 x 300 mm-SBV	×		300		×
12 855 828	High pressure hose-M 10 x 1 male	11 x 300 mm-Seal-SBV	×		300	×	×
12 875	High pressure hose-G 1/8" male	11 x 300 mm-SBV		×	300	×	
12 875 828	High pressure hose-G 1/8" male	11 x 300 mm-Seal-SBV		×	300	×	×
12 861	High pressure hose-M 10 x 1 male	11 x 500 mm-SBV	×		500	×	
12 861 828	High pressure hose-M 10 x 1 male	11 x 500 mm-Seal-SBV	×		500	×	×
12 761	High pressure hose-G 1/8" male	11 x 500 mm-SBV		×	500	×	
12 761 828	High pressure hose-G 1/8" male	11 x 500 mm-Seal-SBV		×	500	×	×
12 858	High pressure hose-M 10 x 1 male	8 x 300 mm-hydraulic coupler-SBV	×		300	×	×
12 758	High pressure hose-G 1/8" male	8 x 300 mm-hydraulic coupler-SBV		×	300	×	×
12 860	High pressure hose-M 10 x 1 male	11 x 300 mm-hydraulic coupler-SBV	×		300	×	×
12 760	High pressure hose-G 1/8" male	11 x 300 mm-hydraulic coupler-SBV		×	300	×	×

Abbreviations

a	Outer / Male	DIN	German Institute for Standardisation (DIN standards)
EAN	European Article Number Code (bar code)	G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
M	Metric thread, cylindrical, DIN 13	MU	Coupler
SBV	Packaging for self-service		

Spouts

TECHNICAL DATA

- Material: steel, galvanized
- Diameter (mm): 10
- Length (mm): 150



12 635 816

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"	H	K	D
12 435	Spout-straight-M 10 x 1 male	150 mm	×				
12 475	Spout-straight-G 1/8" male	150 mm		×			
12 635	Spout-angled-M 10 x 1 male	150 mm	×				
12 735	Spout-angled-G 1/8" male	150 mm		×			
12 635 810	Spout-angled-M 10 x 1 male	150 mm-hydraulic coupler	×		×		
12 735 810	Spout-angled-G 1/8" male	150 mm-hydraulic coupler		×	×		
12 635 814	Spout-angled-M 10 x 1 male	150 mm-universal coupler	×		×	×	
12 735 814	Spout-angled-G 1/8" male	150 mm-universal coupler		×	×	×	
12 635 816	Spout-angled-M 10 x 1 male	150 mm-funnel type coupler	×				×
12 735 816	Spout-angled-G 1/8" male	150 mm-funnel type coupler		×			×

Abbreviations

a	Outer / Male
D	for funnel type grease nipples
G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
H	for Taper type grease nipples
K	for ball-type grease nipples
M	Metric thread, cylindrical, DIN 13

GREASE GUNS AND ACCESSORIES

Button head couplers



12 062

TECHNICAL DATA

- Connection 1: button head coupler for button head grease nipples
- Material: brass

PRODUCT BENEFITS + FEATURES

- Basic body made of high-strength forged material
- Compact construction

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"	FA	SOT	T 10 mm	T 16 mm	T 22 mm
12 060	Button head coupler-Me-M 10 x 1 i	Button head grease nipple-10 mm	×				×		
12 060 125	Button head coupler-Me-G 1/8" i	Button head grease nipple-10 mm		×			×		
12 061	Button head coupler-Me-M 10 x 1 i	Button head grease nipple-16 mm-FA-SOT	×		×	×		×	
12 061 125	Button head coupler-Me-G 1/8" i	Button head grease nipple-16 mm-FA-SOT		×	×	×		×	
12 062	Button head coupler-Me-M 10 x 1 i	Button head grease nipple-16 mm-FA	×		×			×	
12 062 125	Button head coupler-Me-G 1/8" i	Button head grease nipple-16 mm-FA		×	×			×	
12 063	Button head coupler-Me-M 10 x 1 i	Button head grease nipple-22 mm-FA	×		×				×
12 063 125	Button head coupler-Me-G 1/8" i	Button head grease nipple-22 mm-FA		×	×				×
12 010 401	Button head coupler-Me-M 10 x 1 i-DG	Button head grease nipple-16 mm-FA-SOT	×		×	×		×	

Abbreviations

DG	Swivel joint
FA	Flat design
G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
i	Inside / Female
M	Metric thread, cylindrical, DIN 13
SOT	Slide-on type
T	for button head grease nipples

Bayonet couplers



12 013

TECHNICAL DATA

- Connection 1: for all bayonet type grease nipples, diameter of head: 9,9 mm
- Wrench size (SW) (mm): 14
- Material: steel, galvanized
- Diameter (mm): 20
- Length (mm): 41

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"
12 013	Bayonet coupler	M 10 x 1 female	×	
12 023	Bayonet coupler	G 1/8" female		×

Quick connecting couplers



12 006

TECHNICAL DATA

- Connection 1: for hydraulic coupler
- Material: steel, galvanized
- Wrench size (SW) (mm): 12
- Diameter (mm): 18

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"
12 006	Quick connecting coupler	M 10 x 1 female	×	
12 006 125	Quick connecting coupler	G 1/8" female		×

Abbreviations

G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
i	Inside / Female
M	Metric thread, cylindrical, DIN 13

GREASE GUNS AND ACCESSORIES

Quick connecting coupler sets



12 055

TECHNICAL DATA

- Connection 1: Quick release adapter

SPECIFICATION

- Quick release adapter with safety locking support (12 006) to connect to a 4-claws hydraulic coupler

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	GRDR	GBDR	PZ	H	K	D	T
12 042	Quick connecting coupler-GRDR	hollow/universal coupler	×			×	×		
12 043	Quick connecting coupler-GRDR	funnel type coupler	×					×	
12 055	Quick connecting coupler-GRDR	button head coupler-10 mm	×						×
12 044	Quick connecting coupler-GRDR	button head coupler-16 mm	×						×
12 054	Quick connecting coupler-GRDR	button head coupler-22 mm	×						×
12 048	Quick connecting coupler-PZ	11 x 300 mm-precision coupler				×	×		
12 049	Quick connecting coupler-PZ	11 x 500 mm-precision coupler				×	×		
12 056	Quick connecting coupler-GBDR	hydraulic coupler		×			×		
12 057	Quick connecting coupler-GBDR	button head coupler-22 mm		×					×

Abbreviations

D	for funnel type grease nipples
GBDR	Angled spout coupler
GRDR	Straight spout coupler
H	for Taper type grease nipples
K	for ball-type grease nipples
PZ	High pressure hose
T	for button head grease nipples

Couplers

PACKAGING

- Packing unit: 1 (SBV: 10)



12 631 252

PRODUCTS

Figure	Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"	H	K	D	SBV
	12 002	Hollow/universal coupler	M 10 x 1 female-H+K-nipple	×		×	×		
	12 072	Hollow/universal coupler	G 1/8" female-H+K-nipple		×	×	×		
	12 003	Funnel type coupler-M 10 x 1 female	D-nipple	×				×	
	12 073	Funnel type coupler-G 1/8" female	D-nipple		×			×	
	12 626	Precision coupler-M 10 x 1 female	SW 13 mm-Ø 13 mm	×		×			
	12 726	Precision coupler-G 1/8" female	SW 13 mm-Ø 13 mm		×	×			
	12 150	Precision coupler-M 10 x 1 female	SW 13 mm-Ø 13 mm-SB-package	×		×			×
	12 151	Precision coupler-G 1/8" female	SW 13 mm-Ø 13 mm-SB-package		×	×			×
	12 643	Precision coupler-M 10 x 1 female	SW 13 mm-Ø 15 mm	×		×			
	12 743	Precision coupler-G 1/8" female	SW 13 mm-Ø 15 mm		×	×			
	12 156	Precision coupler-M 10 x 1 female	SW 13 mm-Ø 15 mm-SB-package	×		×			×
	12 157	Precision coupler-G 1/8" female	SW 13 mm-Ø 15 mm-SB-package		×	×			×
	12 631	Hydraulic coupler-M 10 x 1 female	SW 13 mm-Ø 15mm	×		×			
	12 731	Hydraulic coupler-G 1/8" female	SW 13 mm-Ø 15mm		×	×			
	12 152	Hydraulic coupler-M 10 x 1 female	SW 13 mm-Ø 15 mm-SB-package	×		×			
	12 153	Hydraulic coupler-G 1/8" female	SW 13 mm-Ø 15 mm-SB-package		×	×			
	12 642	Hydraulic coupler-M 10 x 1 female	SW 13 mm-Ø 15 mm-with valve	×		×			
	12 631 252	Hydraulic coupler-M 10x1 female	and universal-funnel type-MU-set	×		×	×	×	

Abbreviations

D	for funnel type grease nipples	G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
H	for Taper type grease nipples	i	Inside / Female
K	for ball-type grease nipples	M	Metric thread, cylindrical, DIN 13
SBV	Packaging for self-service	SW	Wrench size

GREASE GUNS AND ACCESSORIES

G-coupler mouth piece



12 649



TECHNICAL DATA

- Connection: M 10 x 1
- Design: 4 jaws
- Wrench size (SW) (mm): 13
- Material: steel, galvanized
- Diameter (mm): 15
- Length (mm): 37
- Weight (kg): 0,095

SPECIFICATION

- Works with all grease gun types
- The G-Coupler fits easily on the grease nipple
- Four hardened spring steel jaws

SPECIAL NOTES

- Suitable for all hydraulic grease nipples according to DIN specifications
- For use on commercial vehicles, construction machinery and tractors
- No need to hold the coupler when operating the grease gun and no grease leak
- Easily release the coupler by pressing the trigger

PACKAGING

- Packing uni: 1

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"
12 649	G-coupler mouth piece	M 10 x 1	×	
12 649 125	G-coupler mouth piece	G 1/8"		×
12 650	Repair kit	G-coupler mouth piece		

Abbreviations

- G Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
M Metric thread, cylindrical, DIN 13

Grease gun accessory set, blister packed



12 110

TECHNICAL DATA

- Package: SB sales packing, with headcard and EAN bar code

SPECIFICATION

- High pressure hose, DIN 1283
- Angled spout
- Hydraulic coupler, 4 jaws, turned
- Hollow/universal coupler, for H- and K-nipples
- Funnel type coupler, for funnel type grease nipples
- SB sales packing, with headcard and EAN bar code
- Headcard text: German

PACKAGING

- Packing unit: 10

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"
12 110	Grease gun-accessory-set	M 10 x 1	×	
12 111	Grease gun-accessory-set	G 1/8"		×

Angled connectors



12 035

TECHNICAL DATA

- Material: steel, galvanized
- Wrench size (SW) (mm): 15

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"
12 035	Angle 90°	M 10 x 1 i-M 10 x 1 male	×	
12 035 805	Angle 90°	G 1/8" i-G 1/8" male		×

Abbreviations

a	Outer / Male	D	for funnel type grease nipples
DIN	German Institute for Standardisation (DIN standards)	G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
H	for Taper type grease nipples	i	Inside / Female
K	for ball-type grease nipples	M	Metric thread, cylindrical, DIN 13
SBV	Packaging for self-service	SW	Wrench size

GREASE GUNS AND ACCESSORIES

Rotary swivel couplers



18 080

TECHNICAL DATA

- Material: steel, galvanized
- Wrench size (SW) (mm): 13
- Operating pressure (bar): 400
- Diameter (mm): 13

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	R 1/8"
18 080 950	Swivel joint-1 x 360°	M 10 x 1 male-M 10 x 1 female	×	
18 080	Swivel joint-1 x 360°	R 1/8" male-R 1/8" female		×

Retention adapters



12 016

TECHNICAL DATA

- Material: steel, galvanized
- Wrench size (SW) (mm): 13
- Inner diameter (mm): 5

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	R 1/8"
12 016	Retention adapter	G 1/8" i-M 10 x 1 male	×	
12 086	Retention adapter	R 1/8" male-M 10 x 1 female		×

Abbreviations

- a Outer / Male
i Inside / Female
M Metric thread, cylindrical, DIN 13
R Whitworth thread, tapered, similar to DIN 3858, self-sealing connection

Connecting sleeves



18 016

TECHNICAL DATA

- Material: steel, galvanized
- Wrench size (SW) (mm): 15
- Length (mm): 24

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	M 10 x 1	G 1/8"
18 016	Sleeve	M 10 x 1 female	×	
18 017	Sleeve	G 1/8" female		×

Abbreviations

G	Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
i	Inside / Female
M	Metric thread, cylindrical, DIN 13

GREASE GUNS AND ACCESSORIES








Other accessories for grease guns

PACKAGING

- Packing unit: 1



PRODUCTS

Figure	Item-No.	Description 1	Description 2	Application
	00 442	Flat gasket	for grease gun head	
	12 669	Filling nipple for grease gun head	M 10 x 1 male-Ø 12,3 mm	For competitive grease gun filler pumps
	12 670	Filling nipple for grease gun head	M 10 x 1 male-Ø 9 mm	For PRESSOL grease gun heads and grease gun filling systems
	85 277	Venting valve for grease gun head	M 10 x 1 male	For PRESSOL grease gun heads
	12 699	Wall-mounting bracket for grease guns		For grease guns and suction- and push type guns with outside pipe diameter Ø 57 mm
	17 020	Standard-accessory set-M 10 x 1		
	17 020 125	Standard-accessory set-G 1/8"		
	17 023	Industrial-accessory set-M 10 x 1		
	17 023 125	Industrial-accessory set-G 1/8"		

Abbreviations








- a Outer / Male
- G Whitworth Pipe Thread, cylindrical, ISO 228 (DIN 259)
- M Metric thread, cylindrical, DIN 13

Lubricants and cartridges



12 511

PRODUCTS

Figure	Item-No.	Description 1	Description 2	400 g	500 g	1 kg	VE
	12 511	Grease cartridge-400 g	Multi Purpose Grease-NLGI 2	×			20
	12 507	Grease cartridge-400 g	Multi Purpose Grease with graphite-NLGI 2	×			20
	12 516	Grease cartridge-400 g	High temperature grease-NLGI 2	×			20
	12 518	Grease cartridge-400 g	Plain bearing grease with MoS ₂ -NLGI 2	×			20
	12 514	Grease cartridge-400 g-with integrated follower plate	Multi Purpose Grease-NLGI 2	×			20
	12 524	Cartridge-500 g	EP-High Performance Grease-NLGI 2		×		30
	12 501	Can of grease-1 kg	Multi purpose Grease-NLGI 2			×	1

Abbreviations

- NLGI Stands for viscosity class 000 to 6, as defined by the National Lubricating Grease Institute, USA
 VE Packing unit



PUSH TYPE GREASE GUNS



200 Push type grease guns, steel



201 Push type grease guns, plastic



202 Push type grease guns, in sales package



203 Accessories for push type grease guns

PUSH TYPE GREASE GUNS

Push type grease guns, steel



12 362

TECHNICAL DATA

- Medium: grease
- Housing material: steel, galvanized
- Coupler: pointed and hollow/universal coupler
- Connection: for hydraulic and ball type grease nipples, DIN 71412, DIN 3402, for funnel type grease nipples, DIN 3405
- Pressure (bar): 60 - 80

SPECIFICATION

- Packed in single carton box
- With EAN bar code

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	80 ml	150 ml	300 ml
12 362	Push type gun-80 ml-steel	set for H-, K- and D-nipples	×		
12 363	Push type gun-150 ml-steel	set for H-, K- and D-nipples		×	
12 365	Push type gun-300 ml-steel	set for H-, K- and D-nipples			×

Abbreviations

EAN	European Article Number Code (bar code)
D	Funnel type grease nipple
DIN	German Institute for Standardisation (DIN standards)
H	Hydraulic grease nipple
K	Ball type grease nipple

Push type grease guns, plastic



12 322

TECHNICAL DATA

- Medium: grease
- Housing material: plastic
- Pressure (bar): 20

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	65 ml	150 ml	D	H	K
12 321	Push type gun-65 ml-plastic	for funnel type grease nipples	×		×		
12 322	Push type gun-150 ml-plastic	for funnel type grease nipples		×	×		
12 331	Push type gun-65 ml-plastic	for H- and K-nipples	×			×	×
12 332	Push type gun-150 ml-plastic	for H- and K-nipples		×		×	×

Abbreviations

D	Funnel type grease nipple
H	Hydraulic grease nipple
K	Ball type grease nipple

PUSH TYPE GREASE GUNS

Push type grease guns, in sales package



TECHNICAL DATA

- Volume (ml): 65
- Medium: grease
- Housing material: plastic
- Coupler: pointed and hollow/universal coupler
- Connection: for hydraulic and ball type grease nipples, DIN 71412, DIN 3402, for funnel type grease nipples, DIN 3405
- Pressure (bar): 20
- Volume of grease paste sachet (g): 50

SPECIFICATION

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

PACKAGING

- Packing unit: 10

PRODUCTS

Item-No.	Description 1	Description 2
12 112	Push type gun-65 ml-plastic	set for H-, K- and D-nipples

Abbreviations

D	Funnel type grease nipple
DIN	German Institute for Standardisation (DIN standards)
EAN	European Article Number Code (bar code)
H	Hydraulic grease nipple
K	Ball type grease nipple

Accessories for push type grease guns







12.003

PACKAGING

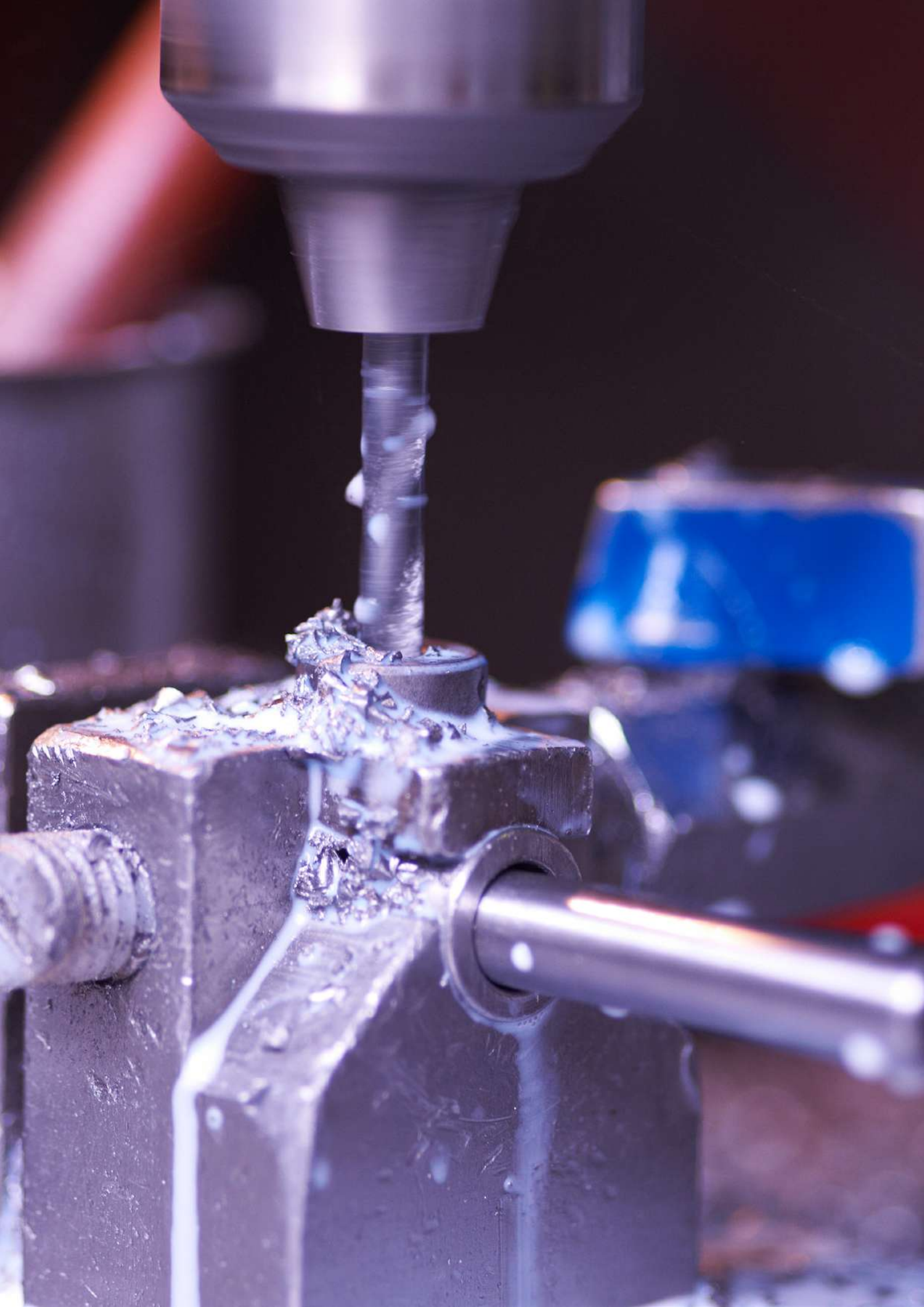
- Packing unit: 1

PRODUCTS

Figure	Item-No.	Description 1	Description 2
	01 141	Grease paste sachet-50 g	Lithium-grease
	12 003	Funnel type coupler-M 10 x 1 female	D-nipple
	12 002	Hollow/universal coupler	M 10 x 1 female-H+K-nipple
	12 071	Universalmundstück-M 10 x 1 female	for push type grease guns

Abbreviations

D	Funnel type grease nipple
H	Hydraulic grease nipple
K	Ball type grease nipple
M	Metric thread, cylindrical, DIN 13



SUCTION- AND PUSH TYPE GUNS



206 Suction- and push type guns 2014.1

208 Accessories for suction- and push type guns 2014.1



209 Suction- and push type guns -
Single-acting, industrial versions, nickel-plated



210 Suction- and push type guns - Single-acting



211 Suction- and push type guns - Double-acting



212 Accessories for suction- and push type guns

SUCTION- AND PUSH TYPE GUNS

Suction- and push type guns 2014.1



12 962



12 980

TECHNICAL DATA

- Suction volume (%): 100
- Diameter tubing outside (mm): 60
- Tube thickness (mm): 1,5

Materials of parts in contact with liquid

- Head and cover: PAGF 30 (PP glass-fibre reinforced)
- Tube: aluminium
- Piston: FKM (Viton®)
- Piston rod: stainless steel
- Valves / connection: aluminium
- Suction hose: PVC
- Discharge hose: PVC

SPECIFICATION

- Ergonomic T-grip
- Suction hose
- Discharge hose (only DW)
- Packed in single carton box
- With EAN bar code

PRODUCT BENEFITS + FEATURES

- For **mineral, synthetic and biological oils, commercially available fuels such as gasoline, diesel and ethanol, heating oil, kerosene, antifreeze (window and motor), glycerin, urea up to 10 %, water and seawater**
- The plunger ensures reliable suction of the liquid
- All materials that come into contact with the media are of high quality
- Completely detachable

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	500 ml	750 ml	1000 ml	DW
12 962	Suction- and push type gun 2014.1-EW	500 ml-aluminium	×			
12 963	Suction- and push type gun 2014.1-EW	750 ml-aluminium		×		
12 964	Suction- and push type gun 2014.1-EW	1000 ml-aluminium			×	
12 980	Suction- and push type gun 2014.1-DW	500 ml-aluminium	×			×
12 981	Suction- and push type gun 2014.1-DW	750 ml-aluminium		×		×

Abbreviations

a	Outer / Male	DW	Double-acting
EAN	European Article Number Code (bar code)	EW	Single-acting
FKM	Viton®	PAGF	Polyamide, glass-fibre reinforced
PTFE	Polytetrafluorethylene (Teflon®)	PVC	Polyvinyle chloride



12 972



12 985

TECHNICAL DATA

- Suction volume (%): 100
- Diameter tubing outside (mm): 60
- Tube thickness (mm): 3

Materials of parts in contact with liquid

- Head and cover: PAGF 30 (PP glass-fibre reinforced)
- Tube: PVC
- Piston: FKM (Viton®)
- Piston rod: stainless steel
- Valves / connection: aluminium
- Valve ball: PTFE
- Suction hose: PVC
- Discharge hose: PVC

SPECIFICATION

- Ergonomic T-grip
- Suction hose
- Discharge hose
- Packed in single carton box
- With EAN bar code

PRODUCT BENEFITS + FEATURES

- For **mineral, synthetic and biological oils, diesel, heating oil, antifreeze (window and motor), glycerin, urea up to 10%, water and seawater**
- The plunger ensures reliable suction of the liquid
- All materials that come into contact with the media are of high quality
- Completely detachable

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	500 ml	750 ml	1000 ml	DW
12 972	Suction- and push type gun 2014.1-EW	500 ml-PVC	×			
12 973	Suction- and push type gun 2014.1-EW	750 ml-PVC		×		
12 974	Suction- and push type gun 2014.1-EW	1000 ml-PVC			×	
12 985	Suction- and push type gun 2014.1-DW	500 ml-PVC	×			×
12 986	Suction- and push type gun 2014.1-DW	750 ml-PVC		×		×

SUCTION- AND PUSH TYPE GUNS

Accessories for suction- and push type guns 2014.1



12 990

TECHNICAL DATA

- Design: straight
- Material: aluminium

SPECIFICATION

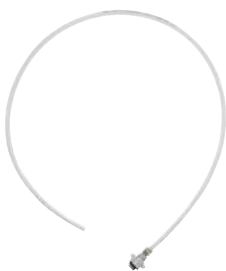
- For Suction- and push type guns 2014.1 - Single-acting

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	Ø outside (mm)	Length 150 mm	Length 300 mm
12 990	Suction tube-straight-aluminium-EW	Ø outside 10 mm-L 150 mm	10	×	
12 991	Suction tube-straight-aluminium-EW	Ø outside 10 mm-L 300 mm	10		×
12 992	Suction tube-straight-aluminium-EW	Ø outside 12 mm-L 150 mm	12	×	
12 993	Suction tube-straight-aluminium-EW	Ø outside 12 mm-L 300 mm	12		×



12 890

TECHNICAL DATA

- Design: transparent

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	PVC	PE	Ø inside (mm)	Length 350 mm	Length 600 mm	Length 1000 mm	DW	EW
12 995	Suction hose-transparent-PVC-EW	Ø inside 12 mm-L 350 mm	×		12	×				×
12 996	Suction hose-transparent-PVC-EW	Ø inside 12 mm-L 600 mm	×		12		×			×
12 890	Suction hose-transparent-PE-EW	Ø inside 4 mm-L 1000 mm		×	4			×		×
12 891	Suction hose-transparent-PE-EW	Ø inside 6 mm-L 1000 mm		×	6			×		×
12 997	Suction hose-transparent-PVC-DW	Ø inside 12 mm-L 600 mm	×		12		×		×	
12 998	Suction hose-transparent-PVC-DW	Ø inside 16 mm-L 600 mm	×		16		×		×	

Abbreviations

DW	Double-acting	EW	Single-acting
L	Length	PE	Polyethylene
PVC	Polyvinyle chloride		

Suction- and push type guns, single acting, industrial versions, nickel-plated



TECHNICAL DATA

- Suction volume (%): 100
- Diameter tubing outside (mm): 56
- Tube thickness (mm): 1
- Diameter of suction pipe outside (mm): 13
- Diameter flexible hose outside (mm): 13
- Length flexible hose (mm): 470
- Surface treatment: all steel and zinc parts are high quality nickel plated

Materials of parts in contact with liquid

- End cap: zinc nickel plated
- Casing: nickel plated steel
- Piston: LDPE (polyethylene of low density)
- Support plate: PAGF 30 (PP glass-fibre reinforced)
- Suction pipe: nickel plated steel
- Flexible hose: PVC

SPECIFICATION

- Suction tube (12 944)
- Transparent flexible hose (12 954)
- Double plunger (12 955)
- Sales package with EAN-Code

PRODUCT BENEFITS + FEATURES

- Oils up to SAE 90, screen cleaners, cooling agents, petroleum, brake fluid, water up to 80° C, fuel oil, diesel
- Even after 30.000 filling and discharging processes 100% suction power
- The double plunger provides a safe suction of the liquid
- Ergonomic T-grip
- Strong curls provide a safe operation
- All materials that come into contact with the media are of high quality vernickelt

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2	500 ml	1000 ml
12 931	Suction- and push type gun-500 ml	industrial version-nickel-plated	×	
12 932	Suction- and push type gun-1000 ml	industrial version-nickel-plated		×

Abbreviations

a	Outer / Male	EAN	European Article Number Code (bar code)
LDPE	Low density polyethylene	PAGF	Polyamide, glass-fibre reinforced
PVC	Polyvinyle chloride	SAE	Classification of viscosity grades for automotive lubricants by the Society of Automotive Engineers

SUCTION- AND PUSH TYPE GUNS

Suction- and push type guns, single acting






12 935

PACKAGING

- Packing unit: 1

PRODUCTS

Figure	Item-No.	Description 1	Description 2	500 ml	1000 ml	SBV	Application
	12 902	Suction- and push type gun-500 ml	steel-plastic cover	×			For oils up to SAE 90, petroleum, fuel oil and diesel
	12 912	Suction- and push type gun-500 ml	steel-with plastic cover-SBV	×		×	
	12 907	Suction- and push type gun-500 ml	steel-galvanized-zinc cap	×			
	12 908	Suction- and push type gun-1000 ml	steel-galvanized-zinc cap		×		
	12 917	Suction- and push type gun-500 ml	steel-galvanized-zinc cap-SBV	×		×	
	12 910	Suction- and push type gun-500 ml	steel-silver painted-zinc cap	×			
	12 910 952	Suction- and push type gun-500 ml	steel-silver painted-zinc cap-ZBH	×			
	12 935	Suction- and push type gun-500 ml	brass polished-zinc cap	×			For fuels, oils, screen cleaners, cooling agents
	12 936	Suction- and push type gun-1000 ml	brass polished-zinc cap		×		
	12 937	Suction- and push type gun-500 ml	PVCU-container-transparent	×			For oils, lubricants
	12 938	Suction- and push type gun-1000 ml	PVCU-container-transparent		×		

Abbreviations

PVCU	Polyvinylchlorid-unplasticized
SAE	Classification of viscosity grades for automotive lubricants by the Society of Automotive Engineers
SBV	Packaging for self-service
ZBH	Accessories

Suction- and push type guns, double acting



TECHNICAL DATA

- Capacity (ml): 500
- Length flexible hose (mm): 500
- Quantity flexible hoses: 2
- Housing material: aluminium, polished

SPECIFICATION

- With 2 flexible hoses
- 1 suction hose - 1 discharge hose
- Packed in single carton box
- With EAN bar code

PRODUCT BENEFITS + FEATURES

- For diesel and fuel oil, oils up to SAE 50, screen cleaners, petroleum, water, cooling agents

PACKAGING

- Packing unit: 1

PRODUCTS

Item-No.	Description 1	Description 2
12 940	Suction- and push type gun-500 ml	double-acting-aluminium

Abbreviations

EAN European Article Number Code (bar code)

SAE Classification of viscosity grades for automotive lubricants by the Society of Automotive Engineers

SUCTION- AND PUSH TYPE GUNS

Accessories for suction- and push type guns








PACKAGING

- Packing unit: 1



12 435

PRODUCTS

Figure	Item-No.	Description 1	Description 2	Suction- and push type guns, steel	Suction- and push type guns, industrial version
	12 435	Spout-straight-M 10 x 1 male	150 mm	×	
	12 635	Spout-angled-M 10 x 1 male	150 mm	×	
	12 942	Spout straight-M 10 x 1 male	220 mm	×	
	12 944	Spout-straight-M 13 x 1 male	270 mm-for (12 931) and (12 932)		×
	12 951	Flexible hose-transparent	350 mm	×	
	12 954	Flexible hose-transparent	470 mm-for (12 931) and (12 932)		×
	12 955	Suction piston-spare part	for (12 931) and (12 932)		×

Abbreviations

- a Outer / Male
M Metric thread, cylindrical, DIN 13