

# Workshop Equipment **EURO PART**

- Testing and diagnosis technology
- Lifting technology
- Wheel and tyre technology
- Air-conditioning technology
- Washing and cleaning technology
- Bodywork and repair technology
- Brake, axle and engine service
- Compressed air, oil and grease technology
- General workshop requirements



# WE JUST DO!

## ... with technical expertise – through our Competence Center Workshop Equipment

Everything from one source – an extensive range of products, personal on-site advice, various financing options and first-class service for your workshop: Benefit from our immediate proximity to the market and a highly concentrated expertise.

- individual advice in consideration of account budget constraints, customer wishes and legal requirements
- Expert support in workshop planning, whether conversion, extension or new construction
- Maintenance, calibration and repair of all your workshop equipment

VANESSA SCHÖTTLER,  
Head of CC Workshop Equipment



**Dear customer,**

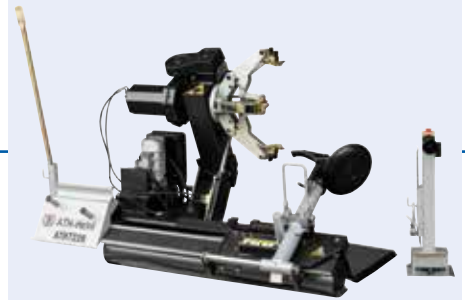
every full-hearted mechanic needs the right range of workshop equipment.

To provide our everyday heroes with the best possible support we are bringing this catalog to you to offer an insight into around 8,000 items on 250 pages. In combination with our on-site support, you are receiving all you need all from a single source: A comprehensive product range, personal on-site consulting, various financing options as well as first-class service for your workshop. Benefit from our proximity to the market and our highly concentrated expertise.

If you need more individual solutions - no problem. We also provide you with expert support in workshop planning, regardless of whether it is a conversion, extension, or new construction. For individual advice, please contact your EUROPART branch.

We just do!

Vanessa Schöttler



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**Testing and diagnosis technology**

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**Lifting technology**

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**Wheel and tyre technology**

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**Air-conditioning technology**

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**Washing and cleaning technology**

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**Bodywork and repair technology**

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## Testing and diagnosis technology

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## Display unit

### Axone Nemo 2

- Intel® Pentium® Silver N5000
- SSD 256 GB
- RAM: DDR4 8 GB
- Monitor: 12" Ultra Wide
- Resolution: 2160x1440
- Ambient light sensor
- Sensors: Gyroscope, altimeter, barometer, accelerometer, compass
- GPS antenna
- Dual band antenna for Wi-Fi/BT
- Photo camera 5 megapixels
- Speakers
- Microphone
- Status LED/ON OFF, charging
- Connector power supply 10-30 VDC
- Active stylus
- Connections for expansion modules



This figure corresponds to  
9539 009 790

**Scope of supply**  
without software

**Order no**

9539 003 535

### Accessories

Description	Order no
Diagnosis unit, TXT MULTIHUB	9539 009 790
Integration software, IDC5 Premium Truck	9539 003 366
Diagnostic software, IDC5 Premium OHW	9539 009 416



## Diagnosis unit

### TXT MULTIHUB

With practical backlit LED display, connections can be displayed in three ways: Communication mode, charging voltage, function status, reinforced housing with anti-shock profiles, interface allows any type of vehicle to be accessed instantly and with great flexibility, equipped with a Linux operating system.

Voltage 8-32 V  
Operating temperature 0-50 °C  
Protection class IP53

Types through which the unit communicates:

- 1 Wi-Fi interface for diagnostic operations using the CAN standard, CAN FD and DoIP
- 1 network cable connection for DoIP operations (ISO 13400)
- 1 Bluetooth interface for traditional diagnostics
- 1 USB port for all types of diagnostics, including pass-thru

#### Application range

Control unit diagnostics for commercial vehicles, optional for cars, motorbikes, boats, agricultural vehicles and construction machinery

#### Scope of supply

EOBD cable, USB cable, retaining strap, network cable, instrument case and IDC5 PLUS software TRUCK

#### Laptop required for operation

**Order no**

9539 009 798



# AXONE Nemo

The solution for heavy duty diagnosis of today and tomorrow

Combined with Navigator TXTs, AXONE Nemo will fulfill every requirement that you might have on the multibrand diagnosis for trucks, light duty vehicles, busses, trailers, truck-mounted cranes and stationary engines.

You can also add other categories like CAR, BIKE, OHW and Marine through software integrations.

Aside its extraordinary intuitive appliance and its fast processing power, the AXONE Nemo is also impressing with its high quality manufacturing, its 12 inch ultrawide display and its robustness in the daily workshop life.

For further information please visit our homepage <https://www.texadeutschland.com/produkte/axone-nemo>

**TEXA**



## Diagnosis unit

### eTruck

For remote monitoring of the vehicle status via EOBD, settings can be carried out by the workshop while the vehicle is on the road, upcoming maintenance can be planned in advance, link between the repair technician and the commercial vehicle, strengthens customer loyalty through continuous and professional customer service

Dimensions 47.8 x 3.4 x 24.4 mm  
Voltage 12/24 V

- Processor: ARM Cortex M4
- Memory: SDRAM 8 MB, Flash NAND 4 GB
- Communication: Bluetooth® Classic (2.1), Bluetooth® 4.0 Low Energy (Smart Ready)
- Diagnostic port: OBD socket for 24 V systems

#### Application range

For workshops, fleet managers, drivers

Order no

9539 003 645

#### Accessories

Description	Order no
Service contract, Annual subscription, 1-50 pieces	9539 003 646
Service contract, Annual subscription, 51-100 pieces	9539 003 647
Service contract, Annual subscription, 101-200 pieces	9539 003 648
Service contract, Annual subscription, from 201 pieces	9539 003 649
Service contract, Annual subscription, Up to 10	9539 009 648
Service contract, Annual subscription, from the 11th	9539 009 647

Only in connection with a valid Texpack contract truck/OHW



This figure corresponds to 0763 003 601



## Diagnosis unit

### BD-H A101

Reading of the error memory, extended information of the codes in the operating instructions and through online access via smartphone, tablet or PC, multilingual in 12 languages (German, Brazilian-Portuguese, Chinese, English, French, Italian, Croatian, Portuguese, Spanish, Czech, Turkish and Hungarian)

Dimensions 79 x 118 x 18.5 mm

#### Application range

Trailers up to TEBS-E

Order no	Comparative no
3802 000 020	WABCO 300 200 002 0

#### Accessories

Description	Order no
Diagnosis cable for drawbar trailers, plug + socket and 2 x 7-pole Amphenol plug	0763 003 601
Diagnosis cable, working length 5000 mm	0763 003 610

# WABCO

## Test case

### Power Supply

- Checks the lighting of cars, trucks or agricultural trailers (12/24 V)
- Checks the voltage supply of the trailer electronics (12/24 V)
- Checks the light control signals coming from the tractor (24 V)
- Checks the PIN assignment (e.g. to activate the lift axle)
- Checks the power supply unit of the trailer electronics (12/24 V)
- Integrated measuring instruments: Volt/ampere
- For diagnosis and commissioning without existing tractor unit

Dimensions 550 x 650 x 300 mm

**Power supply for trailer electronics (12/24 V) for diagnostics and commissioning without existing tractor unit**



Order no	Comparative no
3803 001 000	WABCO 300 100 001 0



## Diagnosis unit

### EasyScan, for parking heaters

Future-proof thanks to compatibility with generally applicable automotive standards (OBD), user-oriented user interface, comprehensive evaluation of current operating states, automatic creation of a usage profile, error analysis of devices and components, error code output with environmental conditions, function check of a vehicle application, more convenient and faster guided initial commissioning of the heating system, integrated results log for completion of initial commissioning and for diagnostic procedures, existing diagnostic adapters of previous heaters can still be used, direct forwarding to the Eberspächer partner portal possible.

#### Scope of supply

Y-adaptor cable, USB cable, EasyScan software, documentation



Order no
9539 004 100



## Diagnosis unit

### For parking heaters

Fault memory readout and programming, current diagnostic software 2.08

#### Scope of supply

Without adapter cable



Order no
3690 090 640

#### Accessories

Description	Order no
Adapter cable for PC diagnosis, suitable for Air Top Evo 40/55, Thermo Top C/E, Thermo Pro 50 Eco, Thermo Top Evo, Thermo Pro 90	9385 131 950
Adapter cable for PC diagnosis, suitable for Air Top 2000 ST	3600 092 555

# Dräger

## Analysis device

### VARIOx-2 CO<sub>2</sub> For parking heaters

Handy measuring device for checking and adjusting heating systems and for industrial processes. The powerful device has an integrated pump that feeds the gas through a sampling probe via a gas conditioning cartridge to the sensor. In addition to adjustment work, it can also be used for combustion optimisation to save energy or for short-term measurement of emissions. Precisely and quickly, it also performs limit value checks and is suitable for process gas analysis.

Width 80 mm  
Height 160 mm  
Depth 40 mm

#### Scope of supply

Plug-in charger, gas probe for parking heaters (copper), in plastic case



Order no

1192 703 019



This figure corresponds to 1192 703 020

#### Accessories

Description	Order no
Dryer beads, refill pack	1192 703 021
Filter disk, 10 pieces	1192 703 023
Filter fibrous mat, 10 pieces	1192 703 022
Gas probe, copper	1192 703 020



## Oscilloscope Uniprobe Truck

Module for measuring electrical quantities with USB connection or Bluetooth, the measurements available are multimeter, battery efficiency test and starter/generator circuits (2nd generation), physical/electrical control of CAN networks (2nd generation), high voltage test, integrated ignition coils, misfire and traditional pressure tests, signal generator.

Version 4-channel oscilloscope

### Scope of supply

Strap, manual and software

Ampere clamp BICOR3

– 10 mV/A from 0 to 200 A

– 1 mV/A from 0 to 1200 A

**absolutely vital for testing the starting and charging systems on vans and commercial vehicles**

Ampere clamp BICOR4

– 1 V/A from 0 to 3 A

– 0.1 V/A from 0 to 30 A

**absolutely vital for all lost current tests**

Order no

9539 003 363

### Accessories

Description	Order no
Cable case	9539 003 444
Connection set	9539 003 441
Digital clip-on ammeter-multimeter, BICOR2	9539 003 445
Digital clip-on ammeter-multimeter, BICOR3	9539 003 448
Digital clip-on ammeter-multimeter, BICOR4	9539 003 446
Pressure sensor	9853 415 009



## Oscilloscope TWINProbe

Measurement station for professional workshop use, the TWINProbe measurement module combines the most important functions for workshop use, whether demanding test work with 2-channel oscilloscope or test work with the signal generator, even complex tests on the data bus can be conveniently evaluated via software in the future, communication is wireless, Nemo 2 with AXONE or Windows PC, the required software is included in the scope of delivery or seamlessly integrated in the IDC5 diagnostic software, signal generator

Version 2-channel oscilloscope

– Supply voltage 5-32 V DC

– Internal lithium battery with 3.7 V and 1000 mAh

– Operating time of up to 2 hours without external power supply

– Maximum current consumption of 0.4 A at 12 V

– Operating temperature from 0-45 °C

– 2-channel oscilloscope with 10 Mhz (-3 dB) bandwidth

– Sampling rate of 40 MSample/sec

– Maximum measuring voltage +/-250 V AC/DC

– Bluetooth® class 1 with 30 metre range

### Scope of supply

– MSS measurement software

– Low voltage cable set

– Current clamp Low

– Current clamp High

– Holding strap for Navigator

– Operating instructions in case

Order no

9539 003 386

### Accessories

Description	Order no
Digital clip-on ammeter-multimeter, BICOR2	9539 003 445
Digital clip-on ammeter-multimeter, BICOR3	9539 003 448
Digital clip-on ammeter-multimeter, BICOR4	9539 003 446

**KUNZER**  
Qualität verbindet

## Diagnostics trolley

Suitable as mobile exhaust testing station and as storage and application trolley for diagnostic equipment or also as customer service acceptance, various openings for passing through the equipment connection cables, 4 wheels 5" x 1.25"

Version with draw (300 x 450 x 55 mm) and 2 loose shelves  
Width 500 mm  
Height 1155 mm  
Depth 500 mm



Order no

9539 641 160

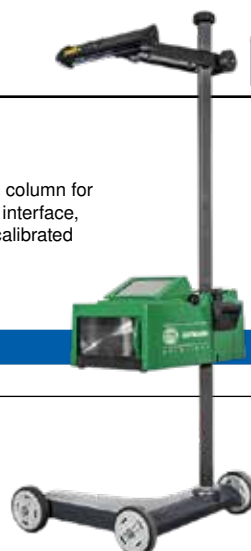


## Beamsetter SEG V

Digital luxmeter, broadband visor, Fresnel lens, bubble level/eccentric axis for tilt adjustment, rotating column for optical box alignment, suitable for rails, 8.4" touch display, vehicle identification with car history, USB interface, WLAN preparation, updateable, compatible with CSC-Tool, polymer concrete roller base, able to be calibrated with manufacturer's adjustment device, car database, self-levelling

### Scope of supply

Roller base of polymer concrete



Order no

9007 732 312

### Accessories

Description	Order no
Rail set for parking position	9007 732 313
Protective sleeve for beamsetter	9260 000 012
Roller set, steel, can be levelled	9007 732 317
Rail set, 1,5 m, can be levelled	9007 732 316



## Beamsetter SEG-IV DLLX

Digital lux meter, broadband visor, Fresnel lens, laser positioning aid, spirit level/eccentric shaft for levelling, rotatable column for the optical case alignment, suitable for rails, compatible with CSC tool, can be calibrated using manufacturer's alignment unit

### Scope of supply

Roller base of polymer concrete



Order no

9007 732 311

### Accessories

Description	Order no
Rail set for parking position	9007 732 313
Protective sleeve for beamsetter	9260 000 012
Roller set, steel, can be levelled	9007 732 317
Rail set, 1,5 m, can be levelled	9007 732 316

**-MAWEK-**  
Autoprüfgeräte



## Beamsetter

### SEG025XX

Laser sight for exact alignment and positioning, laser pointer for the exact determination of the headlight middle, integrated spirit level, height-adjustable wheel (floor slope compensation), one-hand adjustable light container with automatic latching, bar with meter scale for exact height adjusting, bar with foot pedal "pivoting", integrated digital illuminometer for measurement of the luminous intensity

Version Without rails, cannot be retrofitted

#### Application range

For all illuminants (filament, halogen, LED, xenon, laser etc.)  
For high beam assistants (vertical bright/dark limit)

#### Scope of supply

Protective cover and inspection log



Order no

9248 631 034



#### Accessories

##### Description

Adjustment axes for L-base, facilitates calibration according to current guidelines

Order no

9539 732 317

**-MAWEK-**  
Autoprüfgeräte



## Beamsetter

### SEG07SLS

With Self-Leveling-System (SLS) – fully automatically compensates for vertical and horizontal unevenness of the ground, laser sighting for exact alignment and positioning, laser pointer for exact determination of the headlight centre, one-hand adjustable light box with automatic locking, rod with measuring scale for exact height adjustment, Rod can be rotated 360° with foot pedal, CMOS camera for fast image processing, large 10" touch colour screen, integrated spirit level, 2 height-adjustable axes, easy operation - automatic programme guidance, data transfer to printer or PC via Bluetooth®, WiFi/WLAN and USB, optional with ASA interface.

Version Without rails, cannot be retrofitted

#### Application range

For all light sources (filament, halogen, xenon, LED, MATRIX, laser etc.)  
Perfect for all vehicle categories (two-wheeler, car, commercial vehicle etc.)  
Suitable for high beam assistants (vertical cut-off line)

#### Scope of supply

Includes protective cover SEH02 and test book

#### Meets all legal requirements



Order no

9248 631 034



## Laser axle measuring system

### HD-30 EasyTouch

Measurement in driving condition, no lifting required, newly developed measuring heads for even faster mounting on aluminium and steel rims, especially suitable for vehicles with several steered axles, electronic inclination angle meter with digital display, mobile and can be used anywhere, 360° rotatable measuring head with laser technology, fast measurement of single toe, camber, toe-differential angle, caster, spread, inclination of the axles and centre position of the steering gear, rim impact compensation if required, all front axle measurements within 10 minutes incl. set-up time

Weight 120 kg

#### Application range

Trucks and buses

#### Scope of supply

- 1 instruction manual
- 1 CD measurement reports
- 1 electric inclinometer
- 1 mobile equipment cabinet
- 1 magnetic scales
- 2 universally adjustable laser measuring heads
- 2 drivable turntables
- 1 track scale
- 2 total impact scales
- 2 adjustable hanging scales

Order no

9682 202 500



(Illustration similar)



## Adjustment device HD-30 GL, for driver assistance systems

### Scope of supply

Measuring traverse with finely adjusted laser mirror units, protective covers and centring scales, 2 HD-30 light laser measuring heads, base unit with transport rollers and adjustable feet, 2 holders for storing the measuring heads, 2 brand-specific calibration panels for calibrating the vehicle cameras

**For camera calibration and optional ACC sensor – no axle measurement possible**

Order no

9682 202 512

### Accessories

Description	Order no
Turn-tilt plate for measuring the second steered axle (2 pieces)	9682 202 501
Measuring set for semi-trailers (1 measuring traverse, 6 long magnets)	9682 202 502
Adapter set (1 set car adapters)	9682 202 505
Adapter, extension for agricultural machinery	9682 202 506
Adapter for calibration of the MFC camera	9682 202 504
Adapter for calibration of the ACC sensors	9682 202 503



## Wheel alignment unit HD-40 Easy Touch

Pre-equipped for camera calibration and ACC measurement or calibration

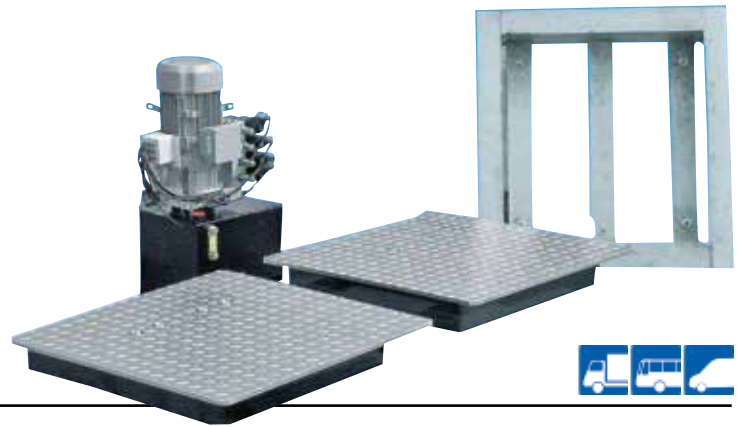
### Scope of supply

2 laser measuring heads with adjustable measuring probes, track scale, 2 adjustable suspension boxes for the rear axle, 2 drivable turntables, electronic inclinometer with track assistant, wall bracket, operating instructions, CD to print out the measuring protocols, measuring traverse with finely adjusted laser mirror units, protective covers, centring scales, 2 clip-on scales for quick track measurement, basic unit with transport rollers and adjustable feet, 2 holders for storing the measuring heads

**A vehicle diagnosis is necessary for calibration!**

Order no

9682 202 511



AHS PRÜFTECHNIK

## Joint clearance tester GST 1602-D

Conventional movements from right to left or from inwards to outwards, controllable revolutions, diagonal movements possible, maximum extension possible, ergonomically shaped hand lamp with integrated function button, with each press of the button the progressive feed is triggered, the retraction of the slides to the starting position occurs automatically, both slides can be moved together and separately

Axle load	16 t
Shear force	20 kN
Thrust stroke	100 mm
Power consumption	3,3 kW
Operating pressure	160 bar
Power supply	400 V
Fuse protection	20 A

### Scope of supply

Installation frame, hose package 5 m

**Installation to be carried out by the manufacturer only!**

Order no

9535 160 115



CARTEC

## Joint clearance tester GST 4600 FA

Selection of test modes via radio lamp, simple operation via single-touch function, choice of automatic or manual operation, automatic retraction of test plates to parking position (initial position), one bright LED with lens, keypad with oil- and petrol-resistant foil

Axle load	20 t
Power consumption	3 kW
Operating pressure	170 bar
Fuse protection	10 A
Oil fill quantity	6 l

### Scope of supply

Electrical switch cabinet, radio test lamp, hydraulic unit

Order no

2030 003 510

### Accessories

Description	Order no
Mounting frame for floor-level mounting	0203 003 446
Assembly set for articulated play tester	2030 003 447



## Joint clearance tester

Extremely easy to service, hot-dip galvanised, long service life, with the radio remote control the multidirectional test direction can be controlled automatically, ensures optimum testing of the individual components, complies with the latest requirement of the European Directive according to 2014/45//EU, headlamp positioning point suitable foundation trough (floor-level installation) optionally available

Operating pressure 120 bar  
 Motor power 4 kW  
 Voltage 50 Hz – 400 V/60 Hz – 230 V

Dimensions of test plates: 750 x 900 x 16 mm  
 Dimensions foundation tray: 610 x 610 x 250 mm  
 Dimensions hydraulic unit: 550 x 510 x 700 mm  
 Test plate travel: 100 mm  
 Test speed: 5-15 cm/s

### Scope of supply

Radio remote control with LED lamp, hydraulic unit, test plates

Model	Axle load	Wheel load, max.	Order no
C-PD52	16 t	8 t	9539 130 437
C-PD72	18 t	9 t	9539 130 438
C-PD82	20 t	10 t	9539 130 439

### Accessories

Description	Order no
Built-in tub, 2 pieces	9539 130 440

**WABCO****Leak detector****Leakage Finder 2.0 Basic Set**

Used to detect and make audible ultrasonic signals generated when pressurised gases escape from a leak, fast and reliable identification of costly leaks in air brake or air conditioning systems, pro-active inspection of commercial vehicles for leaks increases the service life of sensitive systems

**Scope of supply**

Incl. 2 batteries, flexible airborne sound probe, headphones with connection cable, external loudspeaker, carrying aid

**Order no**

3804 000 010

**Comparative no**

WABCO 300 400 001 0

**WABCO****Leak detector****Leakage Finder 2.0 Extended Set**

Serves to detect and make audible ultrasonic signals, e.g. at leakages in compressed air, steam and vacuum systems, faulty components in systems can be localised and their hazard potential for the process can be assessed, display of sound pressure level

**Scope of supply**

Incl. 2 batteries, ultrasonic transmitter incl. 3 batteries, protective cover for ultrasonic transmitter, flexible airborne sound probe, airborne sound probe, structure-borne sound probe, headphones with connection cable, external loudspeaker, carrying aid.

**Order no**

3804 000 020

**Comparative no**

WABCO 300 400 002 0

**BUSCHING****Leak detector**

Professional device with high sensitivity and visual LED display, suitable for inspecting and checking vacuum and compressed air leaks (compressed air/compressed gas installations etc.), electrical systems (insulation failures, sparking, wiring etc.), A/C systems, car gas systems etc., ideal for leaking tyres, additional function for locating leaks and leaks on windscreens and doors

**Scope of supply**

1 x receiver for acoustic feedback (LED display)  
 1 x ultrasonic transmitter (for cracks in containers, door seals (e.g. water ingress or wind noise in the vehicle)  
 2 x anodised probes (air + contact)  
 1 x pair of headphones  
 1 x 9 V battery  
 In a practical case

**Order no**

9682 200 015


**BUSCHiNG**


## Cooling system filling gun

Uses vacuum technology to fill the cooling circuit without trapping air and without overfilling, tests the tightness of the system during filling, integrated conical universal adapter

### Scope of supply

- 1 x filling gun with hose
- 2 x conical universal adapters

Order no

9682 220 024

**BUSCHiNG**


## Leak tester

### CO<sub>2</sub>, for cooling system

Can indicate combustion gas in the radiator, the colour of the test fluid changes when a leak is detected, enables quick checking whether the cylinder head gasket is defective

### Scope of supply

- 480 ml bottle of reaction liquid



Order no

9682 220 001

**BUSCHiNG**


## Test device

### for charge air system

For checking leaks at hose connections on the charge air system of vehicles with turbocharging, the rough surface of the plugs ensures a better grip during use

### Scope of supply

- 1 x regulating unit with pressure gauge
- 10 x conical plugs from 25 to 90 mm Ø
- in sturdy case

Order no

9682 220 451

**BUSCHING**

## Sound level measuring device

Noise measurement by means of a portable sound level meter enables a quick situation check, but also a regular check measurement. The instrument is equipped with a bargraph display and offers the choice between manual and automatic range selection in 4 measuring ranges.

- A/C assessment curve
- min./max. memory
- max. hold

Measuring range 40-130 dB(A)  
Resolution 0,1 dB(A)  
Version digital

### Scope of supply

9 V block battery, wind protection cover



Order no

9682 220 006

**BUSCHING**

## Endoscope with 2-camera probe

No mirror required, switch with LED indicator to change viewing angle, mirror and rotate function, video or photo recording, storage on SD card with space for up to 25,000 photos or corresponding videos, clear and high-resolution images, data can be easily transferred to a PC via USB cable or enclosed SD card, magnification with digital zoom (3x and 5x), light intensity adjustable

Protection class IP67

- Boost function (electronic brightness amplification)
- Semi-rigid metal probe with 4.9 mm  $\varnothing$ , probe length: 1,050 mm from switch, total 1,800 mm
- 3.5" wide glass TFT screen, shockproof, picture size 640 x 480 pixels (JPEG)

### Scope of supply

1 x SD card, 8 GB  
1 x AV cable  
4 x AA batteries  
in case

Order no

9682 220 474

**KUNZER**  
Qualität verbindet

## Endoscope

Power supply through 4 AA batteries (not included), 1000 mm flexible camera probe reaches even hard-to-reach areas, LED illumination for ambient lighting, CMOS sensor, 45° screw-on mirror

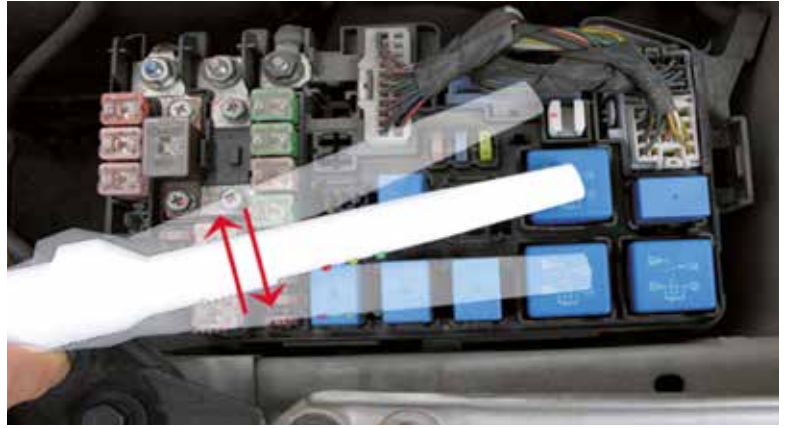
Version portable  
Protection class IP67

Screen resolution: 300,000 pixels, 60° field of view, focus 30-80 mm.



Order no

9539 641 019



**Detector  
Aktorius**

Checks electronic components (actuator) for defects, e.g. ignition coils (conventional double spark ignition coils, single spark ignition coils), generators, interior fans, duo valves (for heating, cooling water), valves for EGR control (valves for exhaust gas regulation), injectors (injection nozzles), hall transmitters, relays.

Order no

9682 220 075



**Short-circuit and interruption detector**

Fast locating of short-circuits, broken cables and creepage currents without having to pierce wires, no time-consuming dismantling of plastic trims, entry ladders, carpets etc.; wire identification, wire testing, standard tests and special tests, unit comprises a transmitter, locator, current tester and safety contact adapter in three sizes, the locator part has a choice of three sensitivity levels

**Application range**

Can be used on all types of circuits with current voltages between 6 and 42 V DC, e.g. trucks, buses, cars, trailers, boats, etc.

Order no

9682 220 510



## Rev counter OPTO

the digital hand-held rev counter records the light-dark contrast of a measuring strip on a shaft using a double reflector lens and without contact, small, very handy device with on/off switch, auto-range function and memory mode

Measuring range 10-99.999 min<sup>-1</sup>  
 Resolution 0,001/0,01/0,1/1  
 Dimensions 123 x 50 x 33 mm  
 Power supply 9 V

Accuracy 0.04 % +/- 2 positions



Order no  
9682 220 004



## Voltage reducer

Suitable for reducing 24 V trailer socket to 12 V trailer connector

Type	Input	Outlet	Fig.	Order no
7SR157	15-pin	7-pin/12 V, passenger cars	1	9539 641 171
7SR1513	15-pin	13-pin/12 V, passenger cars	2	9539 641 172
N/24 V	7-pin	7-pole/12 V, passenger cars	3	1342 004 002



## Test device

Version Calibrated and standardised  
 Operating pressure 16 bar  
 Ø 100 mm



Order no  
3800 040 210

Comparative no  
WABCO 453 004 021 0



## Battery tester

### T11, with integrated thermal printer

reinforced casing shell, rubberised anti-scratch plastic coating, graphic display with touchscreen for easy operation, connection to PC possible with USB cable, enables saving or digital sending of data, customer information - such as VIN-number, registration number, battery type etc. - can be entered and printed on request, memory function stores up to 70 readout data sets, maintenance-free, functions without internal battery, grounding test (only 12 V), internal battery resistor test (12 V), starter test (12 V and 24 V), generator test (12 V and 24 V)

#### Ampere capacity analysis:

Automotive batteries:

CCA/SAE: 100-2000 A, EN1/EN2: 100-2000 A, CA/MCA: 100-2000 A, IEC: 100-2000 A, DIN: 100-2000 A, JIS#: 100-2000 A

Motor bike batteries:

CCA/SAE: 40-600 A, EN1/EN2: 40-600 A, CA/MCA: 40-600 A, IEC: 40-600 A, DIN: 40-600 A, JIS#: 40-600 A

#### Application range

EFB (Enhanced Flooded Battery), AGM (Absorbent Glass Mat), 6/12 V starter battery (lead acid, gel and fibrous-mat batteries/AGM)

#### Scope of supply

Carrier bag, USB cable, 2 x paper roll



Order no

9539 640 020

#### Accessories

##### Description

Printer paper roll for battery tester T11

Order no

9539 640 024



## Battery tester

Analyses battery voltage, battery start current and battery condition under temperature compensation, the large LCD display with backlight immediately shows the result of the test, with reverse polarity protection, tester can test deeply discharged batteries from 1.5 V

#### Application range

for 6/12 V start-stop starter batteries from 7-230 Ah

#### Scope of supply

1 x battery and charging system tester

6 x batteries (AA)

1 x case

1 x operating instructions



Order no

9682 202 409

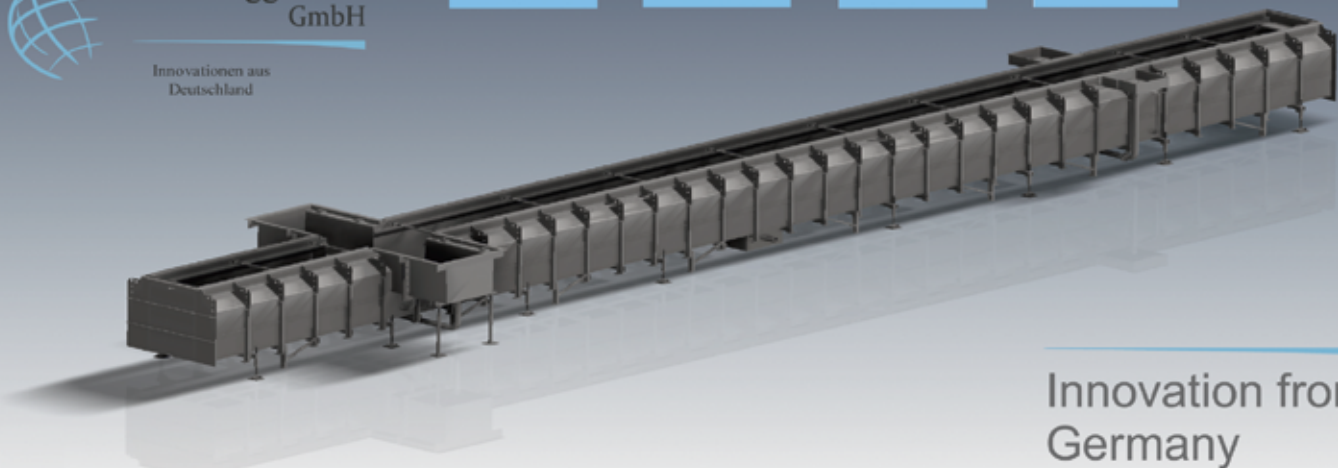
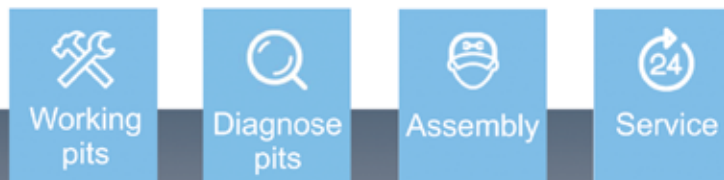
# *Prefabricated pits taylor made*

- all work, all steps from one source -

## "Innoflex60" - HDC - maintenance and test pits are:

- completely individually built according to customer requirements
- equipped with pre-installed systems
- produced exclusively according to standard **SLW 60**

Taylor made standing heights and working spaces make the "Innoflex60" HDC finishing pit your personal efficient tool.



Innovation from  
Germany

## Approvals und Regulations

With our certification as a specialist company according to §19 WHG (water resources act) and **the DiBT approval no. Z-38.5-300** from the German Institute for Construction Technology, this HDC pit fulfills all the necessary requirements, all the guidelines and all the technical rules that are required by law with regard to environmental safety.

## What makes the "Innoflex" pit so special and unique:

- **self-supporting steel construction** (no complex and intensive costs for pouring of concrete necessary)
- **individual production of the finished pits, according to customer requirements possible**
- additional wax-based preservation on the inside, ensures a long life of the pit
- **each HDC pit receives a "CV file"**
- highest quality standard in our own European production facilities
- **optional pre-installed oil management system from "lümatic"**
- trafficable or walkable pit cover, in unique "Snake" design, loadable up to 15 tons
- **complete project management, from production and delivery up to the assembly of the HDC pit by the management of HDC pits**

## Dual battery systems in truck and bus

Dual battery systems have already been introduced by truck manufacturers.

These systems consist of a starter battery, which is responsible for starting the engine exclusively, and a service battery which is used for the supply of the electrical consumption of the additional devices in the driver compartment, such as refrigerator, coffeemaker etc. This separation is important, since additional energy consumption in the vehicle is constantly increasing.

The main advantages of this technology are:

- Maximum comfort for the driver with cab equipment which is supplied by a fully charged battery.
- Maximum reliability with reduced risk of start difficulties.
- Reduced operating costs in case of optimum battery maintenance.
- Reduced emissions, fuel consumption and noise. The engine does not have to be kept operating in idle in order to keep equipment in operation. This saves over 3 litres of fuel per hour and protects the environment.
- Reduced installation costs with thin wires to the secondary battery.

A dual battery system is important, particularly in long-distance transport, as soon as the truck driver spends his rest time in the vehicle, e.g. stays the night and the battery does not charge externally in this case. Reliability on starting is thus increased and the hazard of down-time excluded. Nevertheless the question presents itself: How are both systems correspondingly maintained in order to permanently exclude complete discharge?

Vehicle manufacturers have already developed an initial OE solution, where both systems are charged optimally in everyday use and in addition can be used in order to mutually support each other. As a result of an installed charging unit which connects both battery systems with each other, the charging function in the truck is carried out automatically. A corresponding algorithm regulates the so-called DCDC charger in the vehicle, in order to ensure the required electrical supply. The installed OE solution is also available in the free aftermarket to be retrofitted in trucks and buses.



### Battery charger D250TS

Fast, fully automatic 4-stage DC/DC battery charger with disconnect function for vehicles with dual 24 V battery banks, supplies 10 A for 24 V batteries between 28 Ah and 200 Ah, has a 12 V output for supplying the starter battery and connected 12 V consumers

Battery capacity 40-300 Ah  
Protection class IP65  
Voltage 14,4/14,7 V

#### Application range

Suitable for all types of lead-acid batteries, including maintenance-free, liquid, EFB, Ca/cu, AGM and gel batteries

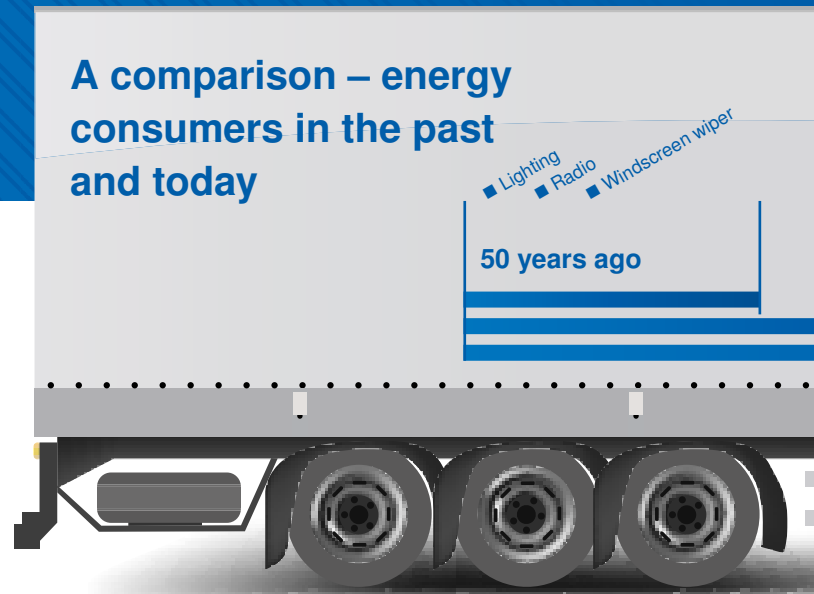
Order no

9539 650 229

## A comparison – energy consumers in the past and today

- Lighting
- Radio
- Windscreen wiper

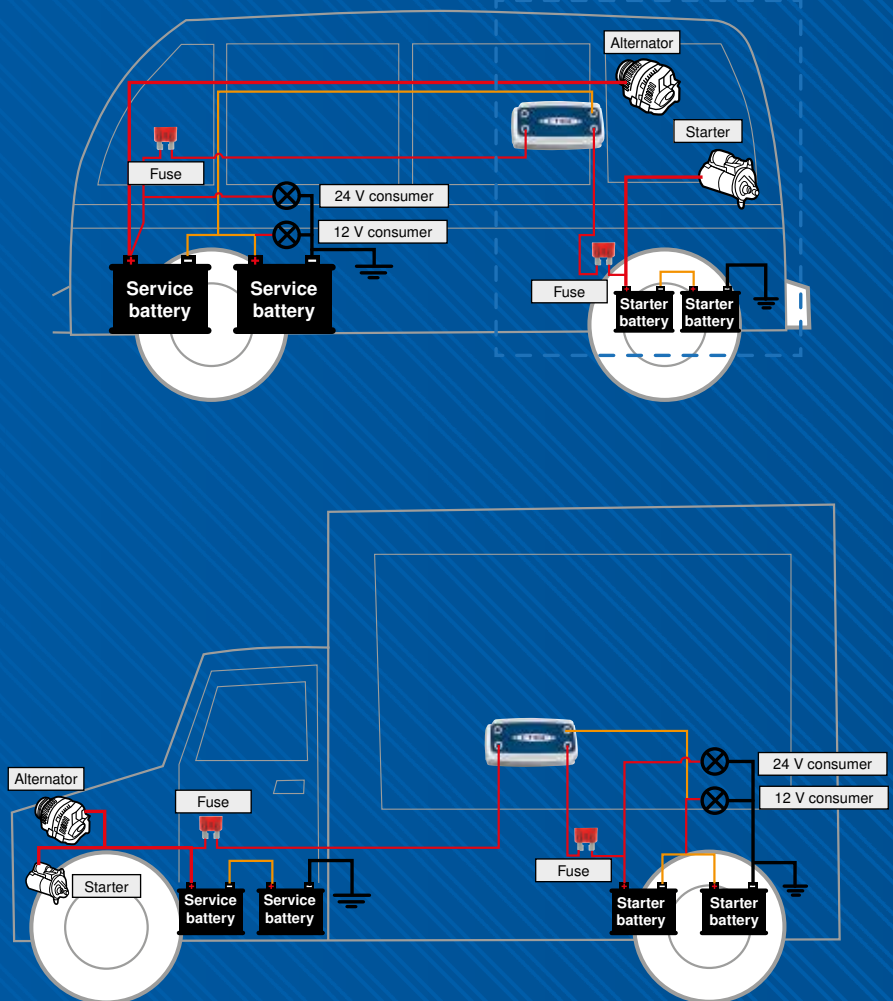
50 years ago



# Free aftermarket solution by EUROPART and CTEK for retrofitting in trucks and buses

Generally it is the case that the starter battery must never be completely discharged. With this technology, the generator supplies the service battery and no longer the starter battery directly, because this is now charged by the DCDC system. An additionally installed temperature sensor ensures optimum voltage at all times. The size of the service battery depends on the consumption in the vehicle which occurs when the truck is not running. Usually all consumers except for the starter are connected to the service battery. A discharge warning can be attached in addition in order to exclude a complete discharge of the starter battery at any time. With the installation of the DCDC charger, it is guaranteed that the vehicle always starts since the starter battery is ideally charged. Furthermore, it enables maximum capacities for the additional consumption in the driver compartment by the service battery and a maximum lifetime of both batteries.

**You can find advisory support in fitting the retrofit solution at your EUROPART branch. Contact us!**





## Battery charger

professional charger for 12 and 24 V batteries, polarity reversal protection, multi-level charging process, built-in ventilator protects against overheating, supply mode, with boost function to remove sulphate

Voltage	230 V
Charge voltage	12/24 V
Charge current, max.	25 A
Length x width x height	305 x 135 x 70 mm
Weight	2220 g
Protection class	IP44

Battery capacity 12 V: 50-450 Ah (charging), 50-500 Ah (maintenance)  
 Battery capacity 24 V: 25-230 Ah (charging), 25-230 Ah (maintenance)

### Application range

for all standard vehicle batteries (WET/MF/GEL/EFB/AGM/Ca-Ca)

### Scope of supply

equipped with brackets and eyelets



Order no

9539 111 640



MAXIMIZING BATTERY PERFORMANCE



## Battery charger

### MXT 14

Electronic, SUPPLY – special mode in which the device can be used as a power supply unit if the battery is removed (radio code), Regeneration mode – special mode in which exhaustively discharged batteries can be regenerated and returned to full capacity, with 8-stage, fully-automatic IUUoUp charging characteristics without voltage peaks.

### MAN approval issued.

Voltage	220-240 V AC
Charge voltage	27,2 V, 28,8 V, 31,6 V, <b>nominal 24 V</b>
Charge current, max.	14 A
Protection class	IP44
Cable length	1,85 m
Length x width x height	235 x 130 x 65 mm
Weight	1,9 kg

Battery capacity: 28-300 Ah (charging), 28-500 Ah (maintenance)

Reverse current: < 1 mA

Charging time for a 60 Ah battery: 4 hours at 14 A

### Application range

Suitable for all types of batteries, open, maintenance-free, AGM, GEL, lead-calcium



Order no

9539 640 145

# CTEK

MAXIMIZING BATTERY PERFORMANCE



## Battery charger

### MXS 7.0

High-frequency charger with fully automatic charge curve without voltage peaks. Batteries can be charged while connected, without damage to the vehicle electronics (engine management). SUPPLY – special mode where the unit can be used as a current source for the equipment when the battery has been disconnected (radio code). RECOND – special mode, in which deeply discharged batteries can be revitalised and brought back to full capacity. The unit can be connected permanently to the battery, it is splashwater and dust proof. **Pulse retention charge keeps the battery 95-100 % ready for use.**

Version	8-stage charging characteristic
Connection	12 V
Voltage	220-240 V
Charge voltage	13.6/14.4/14.7/15.8 V, <b>nominal 12 V</b>
Protection class	IP65
Length x width x height	191 x 89 x 48 mm

Battery capacity: 14-150 Ah (charging), 14-225 Ah (maintenance)

Reverse current: < 1.3 mA

Charging time for a 60 Ah battery: 8 hours at 7 A

#### Application range

Suitable for all types of batteries, open, maintenance-free, AGM, GEL, lead-calcium

#### Scope of supply

2 connection cables, storage bag

#### 5 year guarantee



Order no

9539 640 155

# CTEK

MAXIMIZING BATTERY PERFORMANCE



## Battery charger

### MXTS 40

Fully automatic 8 step charger for the professional workshop, optimum power supply, perfect charging and charge retention, SUPPLY – special mode in which the device can be used as a power supply unit, for example if the battery is removed (radio code), regeneration mode – special mode in which deeply discharged batteries are revitalised and restored to full capacity, temperature compensated, CTEK 8 steps – displayed by LED indicator, protected against foreign bodies and water spray

Version	8-stage charging characteristic
Voltage	220-240 V
Charge voltage	12/24 V
Capacity	10-1200 Ah
Protection class	IP20
Length x width x height	200 x 160 x 87 mm

Charging current: 12 V selectable with 20, 30 and 40 A, 24 V selectable with 5, 10, 15 and 20 A

#### Application range

For professional use in workshops



Order no

9539 640 115



## Start booster

### 12/24 V

with digital voltmeter, fully automatic charging process, lead batteries, fully insulated, heavy brass clamps, fuse integrated in red pliers, polarity inversion alarm, selector switch 12/24 V, shockproof housing

Version	portable
Start-up current	12 V: 2340 A, 24 V: 1170 A
Peak current	12 V: 6200 A, 24 V: 3100 A
Capacity	12 V: 25 Ah, 24 V: 25 Ah
Cable length	150 cm
Cable cross-section	50 mm <sup>2</sup>
Weight	28.54 kg

Battery

#### Scope of supply

1 x charger with mains plug (230 V), 1 x charging cable for charging via the cigarette socket in the vehicle (12 V), 1 x spare fuse for the charger, 1 x spare fuse for the start booster

**Please recharge 24 hours before the first use.**



Order no

9539 111 643



## Start booster

professional external starter unit, maximum cold-start power thanks to an extremely cycle-resistant AGM battery, correct use protects vehicles' electronic components, integrated voltmeter which displays the charging status of the batteries and the correct functioning of the charging equipment and alternator, built-in socket, high-quality, internally bridged crocodile clips with a very wide opening angle, impact-resistant one-piece housing with lifetime guarantee, charging through electronic battery charger with pulse charging preservation, lifetime 1000 cycles at max. 50 % start discharge

Version portable



This figure corresponds to 9539 640 179

Model	Voltage	Version	Capacity	Weight	Order no
ASM 12/500	12 V	Start-up current: 12 V: 500 A Peak current: 12 V: 1500 A	17 Ah	11 kg	9539 640 179
ASM 12/800	12 V	Start-up current: 12 V: 800 A Peak current: 12 V: 2370 A	20 Ah	12 kg	9539 640 180
ASM 12/1000	12 V	Start-up current: 12 V: 1000 A Peak current: 12 V: 2960 A	20 Ah	14 kg	9539 640 174
AS 12-24/1600	12/24 V	Start-up current: 12 V: 1600 A, 24 V: 800 A Peak current: 12 V: 4740 A, 24 V: 2370 A	2 x 20 Ah=40 Ah	22 kg	9539 640 164
AS 12-24/2000	12/24 V	Start-up current: 12 V: 2000 A, 24 V: 1000 A Peak current: 12 V: 5920 A, 24 V: 2960 A	2 x 20 Ah=40 Ah	23,5 kg	9539 640 162
AS 12-24/2400	12/24 V	Start-up current: 12 V: 2400 A, 24 V: 1200 A Peak current: 12 V: 6200 A, 24 V: 3100 A	2 x 26 Ah=52 Ah	25.5 kg	9539 640 165



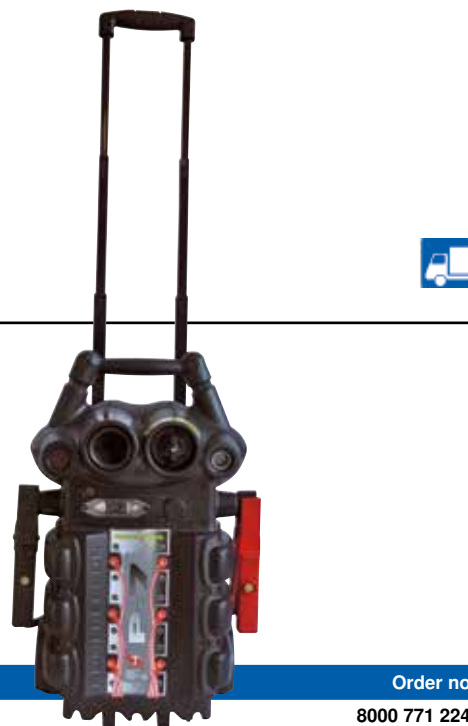
## Start booster

### 12/24 V

Fully automatic charging, lead batteries, with digital voltmeter, fully insulated, heavy brass clamps, fuse integrated in red clamp, polarity inversion alarm, selection switch 12/24 V, shockproof housing

Version	Mobile
Start-up current	12 V: 5400 A, 24 V: 2700 A
Peak current	12 V: 5200 A, 24 V: 2600 A
Capacity	2 x 26 Ah
Cable length	165 cm
Cable cross-section	50 mm <sup>2</sup>
Weight	30 kg

Please recharge 24 hours before the first use. CE certified



Order no  
8000 771 224



## Start booster

### 12/24 V

Condenser technology, fully automatic charging, lead-acid batteries, fully insulated, heavy brass clamps, fuse integrated in red clamp, polarity inversion alarm, 12/24 V selector switch, shock-proof housing

Version	portable
Start-up current	12 V: 4400 A, 24 V: 3400 A
Peak current	12 V: 18000 A, 24 V: 9000 A
Cable length	155 cm
Cable cross-section	50 mm <sup>2</sup>
Weight	20 kg

Capacity 10 x 3'400 F (1360 F/349 F )

CE certified



Order no  
9539 640 022



# Lifting technology

- Workshop pit lifters .....32–38
- Lifting platforms .....39–47
- Jacks .....48–53
- Transmission jacks .....54–55
- Workshop cranes.....56–57

## Pit jack hydropneumatic

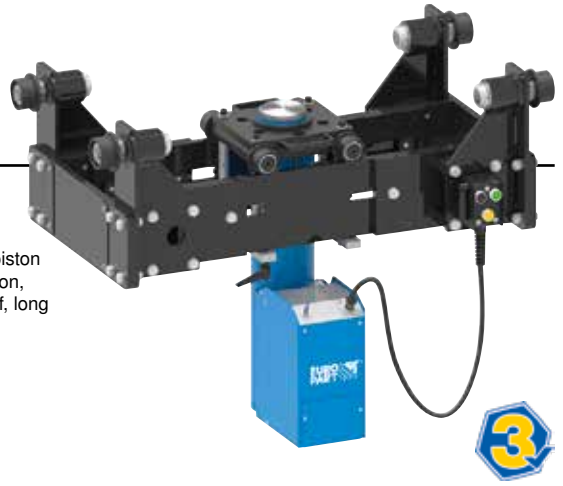
hydraulic fast lift, Venturi system allows a fast retraction of the piston with and without load, air in the piston is avoided, chrome-plated pistons and special seals ensure a long-lasting and low-maintenance function, corrosion in the piston almost impossible due to the lack of air, up and down push button, splash-proof, long pump life due to integrated air filter

Version	suspended	Compressed air connection	1/4"
Seat-Ø	55 mm	Air consumption	600 l/min
Load capacity	20 t	Width	350 mm
Piston stroke	800 mm	Depth	550 mm
Operating pressure	8-10 bar		

Retracted construction height: 975 mm  
Pit width: 850-1010 mm  
Lower edge of roller to upper edge of the semi-trailer: 0 mm

**Scope of supply**  
including suspension

**When ordering, please complete the dimensions sheet!**  
**Today, many modern vehicles must be raised at 2 points. Check the use of axle traverses!**



Model	Technical data	Order no
EP20t-K	Retracted construction height: 975 mm Pit width: 850-1010 mm Lower edge of roller to upper edge of the semi-trailer: 0 mm	9539 111 020
EP20t-L	Retracted construction height: 975 mm Pit width: 990-1150 mm Lower edge of roller to upper edge of the semi-trailer: 0 mm	9539 111 021

### Accessories

Description	Order no
Adapter for pit jacks, to accommodate AC hydraulic accessories, 55 mm to 60 mm	9539 640 220
Adapter for pit jacks, for mounting flash accessories, 55 mm to 35 mm	9539 640 224
Safety frame, suitable for EP20t	9539 111 023



## Pit jack Air-hydraulic

Lever operation at the ergonomically correct working height on the chassis. This innovative new modern design makes a slim cylinder design possible. Fast and precise hydraulics with fast up and down travel. Cylinder with spring-loaded ball bearings can be displaced. Low-friction, hard plain bearing on the chassis or suspension. Maintenance unit as standard, variably adjustable upper edge of the semi-trailer

Version	suspended	Height, max.	1820 mm
Adjustment range	590-1400 mm	Height, min.	1020 mm
Piston stroke	800 mm	Air consumption	350 l/min
Operating pressure	8-12 bar	Cylinder-Ø	60 mm

Upper edge of semi-trailer: variably adjustable

**Application range**  
All pit widths due to adjustable chassis

**Scope of supply**  
including suspension

**When ordering, please complete the dimensions sheet!**  
**Many modern vehicles must today be raised at 2 points. Check the use of axle traverses!**



Model	Load capacity	Order no
GD 150-1	15 t	5322 520 136
GD 200-1	20 t	5322 520 137



## Pit jack

### Hydropneumatic

Deep drawn underframe doubles the operational capability compared with normal pit lifts, low construction height with large lifting height and piston stroke, fast and precise air hydraulics with fast traverse, simple and modern construction with an operating panel at ergonomic working height, suitable for all pit widths due to the adjustable underframe, lifting cylinder can be slid to the side - locks from 800 kg, dead man control and overload valve for optimum safety

Version	Suspended	Height, min.	900 mm
Piston stroke	1280 mm	Air consumption	350 l/min
Operating pressure	8-12 bar	Cylinder-Ø	60 mm
Height, max.	2180 mm		

Top edge of saddle = 25-45 cm below roller castor

#### Application range

For gearbox work

#### Scope of supply

With suspension

When ordering, please complete the dimensions sheet!



Model	Adjustment range	Order no
GDT150-1L	850-1150 mm	9535 150 735
GDT150-1K	725-890 mm	9535 150 736



## Pit jack

### Air-hydraulic

flexible for use in a pit as well as on the workshop floor under a platform, transverse-sliding telescopic cylinder makes it easier to position the jack under the vehicle and enables optimum mobility for the mechanic in the pit, large piston stroke as well as rapid and precise foot operated air-hydraulics with fast up and down travel, additional manual foot pump for fine adjustment, ergonomically shaped and located handle, dead-man control and safety valve

Load capacity	15 t
Piston stroke	1285 mm
Operating pressure	8,5-12 bar
Height, max.	2205 mm
Height, min.	920 mm
Air consumption	350 l/min
Cylinder-Ø	60 mm



This figure corresponds to 5322 520 129

Model	Version	Base plate	Order no
GGD150U	Floor-running, transversely sliding telescopic cylinder	844-1074 mm	5322 520 129
GGD150F	Floor-running, rigid cylinder	844-1004 mm	5322 520 127



## Pit jack

### Blitz S15 Vario Flat

Flat chassis, load lift via air motor, hydraulic-pneumatic quick lift

Version	Suspended
Load capacity	15 t
Adjustment range	800-1100 mm
Stroke	800 mm
Piston rod dia.	80 mm
Operating pressure	10 bar

Chassis height 285 mm

Upper edge of semi-trailer: variably adjustable

**When ordering, please complete the dimensions sheet!**



Order no

9534 004 350

#### Accessories

#### Description

Compressed air set with condensate separator, peg- $\varnothing$  35 mm



Order no

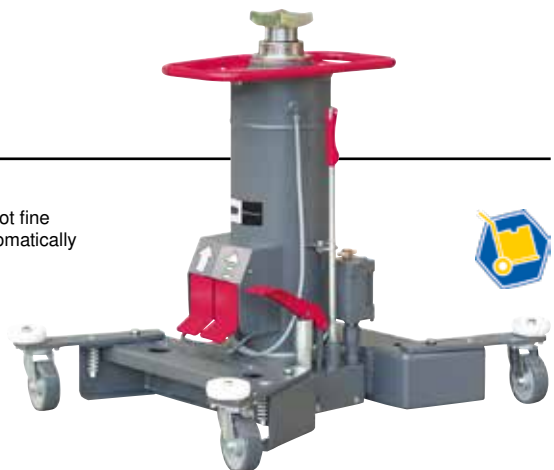
9534 004 351



## Pit jack

Ergonomic chassis, integrated tool tray, slim design, hydraulic-pneumatic quick lift, infinitely variable foot fine lift, needle bearing mounted chassis rollers, extra long cylinder guide, 2-coat paint, chassis lowers automatically from 0.8 t load

Load capacity	15/15 t
Seat- $\varnothing$	55 mm
Stroke	1200 mm
Lift time	172 sec
Overall height	975 mm
Height, max.	2175 mm
Operating pressure	10-15 bar



#### Application range

When ordering, please complete the dimensions sheet!

This figure corresponds to 9534 004 361

Model	Version	Order no
Blitz X 15/15 Basic	Floor-running	9534 004 361
Blitz M 15/15 Basic	Floor-running, with base plate	9534 004 360

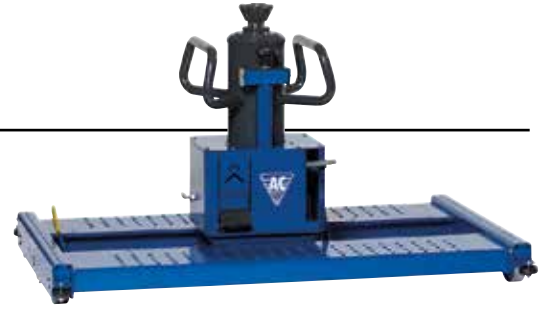


## Pit jack GGD150S

Transversely sliding cylinder facilitates positioning of the pit jack under the vehicle and enables optimum mobility for the mechanic in the pit, spring-loaded ball bearings for optimum manoeuvrability, ideal for disassembly and reassembly of gearboxes due to the telescopic cylinder, fast and precise air hydraulics with rapid upward and downward movement, built-in manual foot pump for fine adjustment, dead man's control and safety valve, for maximum safety

Version	Ground running, on rails
Load capacity	15 t
Piston stroke	1285 mm
Cylinder-Ø	60 mm
Air consumption	350 l/min
Operating pressure	8,5 - 12 bar

When ordering, please complete the dimensions sheet!



Order no

5322 520 128

## MADE TO MEASURE FOR YOUR INDIVIDUAL PIT

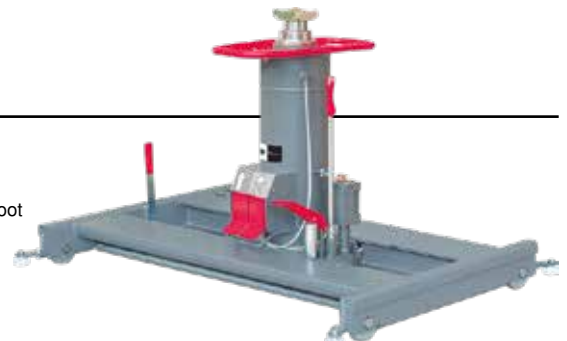


## Pit jack Blitz R 15/15 Basic

Ergonomic chassis, integrated tool tray, slim design, hydraulic-pneumatic quick lift, infinitely variable foot fine lift, hydraulic-pneumatic forced return, operation via foot pedals, anti-rust system, chassis rollers with needle bearings, extra long cylinder guide, 2-layer paint finish

Version	Floor-running
Load capacity	15/15 t
Operating pressure	10-15 bar
Stroke	1200 mm
Lift time	150 sec
Lowering time	58 sec
Overall height	968 mm
Seat-Ø	55 mm

When ordering, please complete the dimensions sheet!



Order no

9534 004 383



2

Lifting technology

## Axle traverse

### T4-1W

for secure two-point attachment on the axle or if cannot be lifted by the differential

Load capacity 20 t  
Length 1020 mm



Order no

5322 520 145



## Axle traverse

### T5-1

For safe two-point attachment to the axle or if it is not possible to lift at the differential, with 1400 mm extension length a load capacity of **15 t** is realised and with maximum extension of 1500 mm centre support plate **11,5 t**. 2 cross members in one, almost all vehicles can be accommodated without problems

Load capacity 15/11,5 t  
Seat-Ø 60 mm  
Length 1060-1635 mm



Order no

5322 520 149



## Axle traverse

### T6-1

time-saving and ergonomic – ideal for test stations, the lifting points are adjusted by means of the handwheel, ideal for the mechanic

Load capacity 13 t  
Length 850-1350 mm

#### Application range

Can be combined with various adapters: FG100, FG200, FW2, US



Order no

5322 520 140



## Adapter

Description	Fig.	Order no
V fifth wheel, width 100 mm	1	5322 520 141
U fifth wheel, width 100 mm	2	5322 520 142
Extension, raises the lifting height by 100 mm	3	5322 520 143
Extension, raises the lifting height by 200 mm	4	5322 520 144
Adapter, Blitz 55 mm on AC 60 mm, male part spigots on both sides		5322 520 147
Adapter, Slift 45 mm on AC 60 mm, male and female parts on both sides		5322 520 148
Adapter, blind hole, Ø 35 mm		5322 520 160
Wall bracket, VB 1, for extensions and saddles for 4 adapters	5	5322 520 165
Wall bracket, VB 2, for extensions and saddles for 8 adapters	6	5322 520 166



## Axle traverse ATS 15

Load capacity	15 t
Peg-Ø	55 mm
Adjustment range	390-850 mm
Height	261-349 mm

### Scope of supply

2 sliding pieces, 2 support plates X, 2 spacers DS 1

**Cross member with other pin Ø or optional adapter bushes available at extra cost on request!**



Order no

9534 004 226



## Transmission plate AS3

can be tipped +/- 10° to all sides for the precise removal and installation of transmissions, extremely flat construction offers many possible applications, sturdy construction ensures optimum stability

Load capacity	1 t
Dimensions	542 x 385 x 110 mm
Seat-Ø	60 mm

### Application range

passenger cars and trucks

### Scope of supply

2 tightening straps, 4 magnetic rubber supports

**Please quote the make of the pit lift and the fitting diameter.**

**Adaptation to different fitting diameters is available on request.**



Order no

5322 520 122



## Transmission plate GA IV

Load capacity	1 t
Peg-Ø	35 mm
Adjustability	±12°
Dimensions	546 x 381 x 138 mm



Order no

9534 004 363

### Accessories

#### Description

Adapter from 35 mm to 55 mm

Order no

9534 004 227



## Support bridge

### ABT

Flexible and adjustable, for use in various pits (width), freely accessible frame for great flexibility in positioning the pit lift, with spring-loaded rollers for easy movement in the pit

Load capacity 15 t  
Height 100-625 mm

#### Application range

Can be combined with various adapters: FG100, FG200, FW2 and US

**When ordering, please complete the dimensions sheet!**

Order no

5322 520 158



## Support package

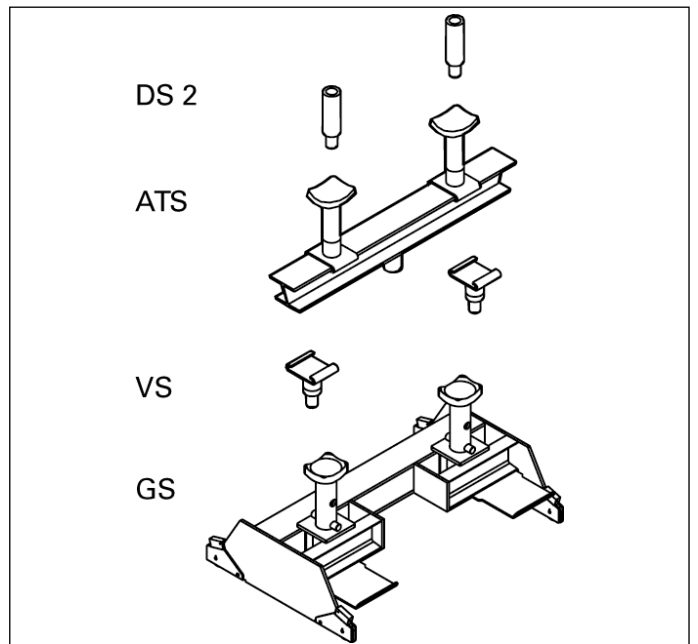
### Mobile

#### Scope of supply

- 1 x support bridge GS, tilt-proof stand (e.g. body work), further use of the pit lift
- 1 x axle traverse ATS, safe 2-point pick-up of loaded axles, for bridging the differential
- 2 x spacers DS 2, for high pick-up points with ATS and GS
- 1 x VS connection kit, positive connection of ATS and GS

Order no

9534 004 384



## Axle stand

Very sturdy design, high stability and indestructible service life

### Application range

Suitable for use in truck, car and agricultural machinery workshops as well as in the industrial sector

TÜV/GS-tested



Model	Load capacity	Overall height	Adjustment range	End height	Base distance	Weight	Order no
AB 1,5	1,5 t	265 mm	140 mm	405 mm	255/220 mm	2,2 kg	9240 013 060
AB 1,5 H	1,5 t	425 mm	240 mm	665 mm	400/350 mm	3,6 kg	9240 013 062
AB 3	3 t	330 mm	200 mm	530 mm	320/285 mm	3,8 kg	9240 028 711
AB 5	5 t	380 mm	200 mm	580 mm	370/370 mm	6,4 kg	9240 017 704
AB 5-230S	5 t	230 mm	90 mm	320 mm	190/190 mm	5 kg	9240 017 700
AB 8	8 t	380 mm	215 mm	595 mm	400/400 mm	10,5 kg	9240 013 056
AB 8 H	8 t	580 mm	370 mm	950 mm	600/600 mm	15,4 kg	9240 013 064
AB 8-950-SH	8 t	950 mm	500 mm	1450 mm	560/560 mm	29 kg	9240 013 068
1400 SH	8 t	1400 mm	700 mm	2100 mm	600/600 mm	35 kg	9240 013 070
AB 12-450-S	12 t	450 mm	275 mm	725 mm	350/350 mm	14 kg	9539 005 066

## Axle stand

Load capacity 16 t



Model	Height, max.	Height, min.	Weight	Order no
SEF 521	455 mm	290 mm	12 kg	9240 001 355
SEF 523	1125 mm	675 mm	20 kg	9240 001 357
SEF 522	725 mm	440 mm	24 kg	9240 005 000



## Axle stand mobile

robust forged steel construction for the greatest safety and stability, the nylon wheels and the removable handle ensure rapid and safe positioning, built-in lever holder for stowing the hand lever when the axle stand is not being used

Load capacity 12 t  
Overall height 300 mm  
End height 460 mm  
Weight 21 kg

**Scope of supply**  
2 pieces



Order no

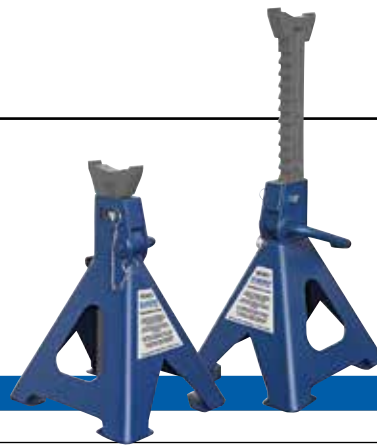
9539 310 075



## Axle stand

Load capacity 6 t  
Version With safety bolt  
Overall height 405 mm  
End height 620 mm  
Saddle width 100 mm  
Standing area 280 x 255 mm  
Weight 14.6 kg

TÜV/GS-tested



Order no

9500 030 061



## Mobile column lifts

Fully hydraulic, with double overload protection, battery driven, wireless communication of the individual lift units based on IEEE 802.15.4, the functions "Up" and "Down" as well as "Emergency Stop" can be selected for each lifting column, integral synchronisation, easy operation by means of pictograms, with FS profile for protection of the wheel hub, HYDRO-Protect system for protection of the lifting cylinder and VARIO-fork for holding different tyre sizes without an additional wheel adapter

Version Battery operated, with 3 kW electric motor  
Lifting height 1753 mm



Model	Load capacity	Tyre size	Lowering time	Lift time	Width	Height	Weight	Order no
HydroLift S2	4 x 8,2 t	600-1100 mm	54 sec	78 sec	1156 mm	2590 mm	720 per column kg	9534 004 275
HydroLift S2	6 x 8,2 t	600-1100 mm	54 sec	78 sec	1156 mm	2590 mm	per column 720 kg	9534 004 293
HydroLift S3	4 x 6,2 t	570-1300 mm	64 sec	65 sec	1107 mm	2260 mm	620 per column kg	9534 004 268
HydroLift S3	6 x 6,2 t	570-1300 mm	70 sec	75 sec	1107 mm	2260 mm	620 per column kg	9539 004 294
HydroLift S3	4 x 7,5 t	570-1300 mm	54 sec	65 sec	1107 mm	2260 mm	620 per column kg	9539 004 295
HydroLift S3	6 x 7,5 t	570-1300 mm	70 sec	75 sec	1107 mm	2260 mm	620 per column kg	9534 004 289

### Accessories

Description	Order no
Traverse, load capacity 16,4 t	9534 004 381
Traverse, load capacity 12,4 t	9534 004 403
King-pin receptacle, load capacity 16,4 t, Ø 125 mm, 70 kg	9534 004 382



## Mobile column lifts

- High-quality and robust wheel-free lift with insensitive drive, almost maintenance-free
- 4 mobile columns can be variably positioned due to long connection cables, can easily be extended to 6 posts
- Built-in hand-hydraulic trolley for fast and safe adjustment
- Lifting mechanism via low-wear trapezoidal threaded spindle, self-locking bronze lifting nut and low-maintenance gear motor
- Safety nut for protection in case of support nut breakage
- Control of individual columns can be switched to individual, paired or joint lifting of the system
- Control panel on each individual column; lifting and lowering by push-button control

Version	Cable-connected
Lift time	180 sec
Lowering time	180 sec
Motor power	4 x 3 kW
Fuse protection	3C32 A
Weight	2400 kg

3 phase ~ 400 V/50 Hz

### Application range

Suitable for lifting trucks and buses

Model	Load capacity	Lifting height	Order no
ATH RG5.5-4	4 x 5,5 t	2740 mm	9539 710 011
ATH RG57.5-4	4 x 7,5 t	2750 mm	9539 710 013

### Accessories

For extending existing 4-post systems to 6 posts

Description	Order no
2-column extension, load capacity 5,5 t	9539 710 014
2-column extension, load capacity 7,5 t	9539 710 017
Adapter for light truck	9539 710 020



## Scissor lifting platform

### 902

Electro-hydraulic operation, safety valve as overload protection and for controlling the lowering speed, electrical synchronisation control (PLC) of the rails independent of the load distribution, device for monitoring and securing the rails in the desired working position, control panel can be positioned as required, narrow base plate

Load capacity	23 t
Stroke	1510 mm
Height, max.	1900 mm
Height, min.	390 mm
Rail width	780 mm
Rail length	8000 mm
Motor power	8.8 kw
Voltage	400 V

### Application range

Heavy vehicles

### Scope of supply

Incl. set of drive-on ramps



Order no

9539 641 902



## Axle lifter

### Air hydraulic

for lifting platforms, adjustable positioning of the lifting saddle, sideways movable lifting cylinder, 2-hand dead man control and safety valve for maximum safety

Load capacity	16 t	Model	FL 160-1
Piston stroke	200 mm	Air consumption	350 l/min
Height, max.	580 mm	Depth	665 mm
Height, min.	380 mm	Operating pressure	8-12 bar bar
Width	590 - 1410 mm		

**Scope of supply**  
1 piece extension



Order no

5322 520 046

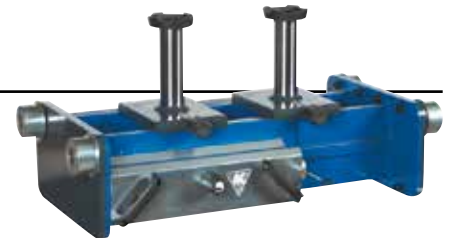


## Axle lifter

### FL160-2, air-hydraulic

For lifting platforms, adjustable positioning of the lifting saddle, two sideways sliding lifting cylinders, 2-hand dead man control and safety valve for maximum safety.

Load capacity	16 t
Piston stroke	200 mm
Width	590-1410 mm
Operating pressure	8-12 bar



Order no

9523 160 216



## Scissor lifting platform

### Cross Lift 50

- High-quality and robust drive-on scissor lift with hydraulic drive, almost maintenance-free
- Powerful hydraulic unit with load-dependent lowering valve
- Suitable for floor-level installation and mounting on the ground
- With recesses for swivel plates at the front, mechanically lockable swing plates at the rear
- Pluggable cross-connections, incl. metal safety bar and switch
- Pneumatic release of safety catches, emergency lowering system in case of power failure, CE-Stop and signal tone when lowering

Load capacity	5 t	Rail width	610 mm	Fuse protection	3C16 A
Lifting height	2160 mm	Rail length	5000 mm	Oil quantity	18 l
Lift time	70 sec	Driving power	3,5 kW		
Lowering time	60 sec	Drive voltage	400 V		

Wheel-free jack (load capacity: 4 t, lifting height: 450 mm)

#### Application range

Suitable for acceptance, wheel alignment, repair and test station for headlight and driving assistance systems

#### Scope of supply

incl. wheel-free jack, axle measuring set

Order no

9539 622 067



**CONSUL®****4-pillar car lift****4.55**

- Low-noise under-oil hydraulic unit
- Electro-hydraulic control
- Operation in drive-up direction rear left
- Separate lockable main switch on the control column
- Acoustic warning device (foot protection)
- Hydraulic pulling cylinder
- Slack rope, rope breakage and roll-off safety device
- Track with 1500 mm drive-on ramps for sports vehicles
- One running rail infinitely adjustable, with locking possibility
- Integrated track for axle-free jack
- Central control for pneumatic set-down device (8 bar)
- Drop bar over entire lifting height with drop option every 100 mm

Load capacity	5,5 t	Motor power	1 X 3 kW
Lifting height	1980 mm	Drive voltage	400 V
Height	2610 mm	Fuse protection	20 A
Lift time	55 sec	Protection class	IP54
Lowering time	55 sec	Standard	DIN EN 1493

Distance between columns 2945

Lane length 5500 mm

Lane width 630 mm

Lane spacing 750-1200 mm

**Application range**

for lifting and wheel alignment of passenger cars and vans with a total weight of up to 5500 kg, can be used as a headlamp setting station

**GS test badge, CE certificate**

2

Lifting technology

Order no

9539 000 317

**Accessories**

Description	Order no
Approach ramp set, length 1368 mm, 2-piece	9539 000 275
Wheel alignment set, full-size shifting plates, centre compensation cassette and turntable adaptation with cover plate	9539 000 318

**Scissors lifting unit****Air-hydraulic**

Maximum safety due to 2-hand dead man's control, pawl lock and safety valve against overload

Piston stroke	250 mm
Operating pressure	8.5-12 bar
Air consumption	350 l/min

**Scope of supply**

With 3 extension sets and 2 rubber pads, with suspension

**Please specify stage type when ordering**

Model	Load capacity	Width	Construction height, min.	Order no
SD26PHL	2600 kg	780-1180 mm	180 mm	5322 520 267
SD32PHL	3200 kg	780-1220 mm	230 mm	5322 520 268
SD40PHL	4000 kg	780-1220 mm	230 mm	5322 520 262

**CONSUL®****Double scissor lifting platform  
0.35 SDE**

- Lane made of anti-slip tear plate
- Integrated electro-hydraulic drive
- Dual hydraulic system with double cylinders in each scissor, thus no compressed air connection required
- Safety signal sound when lowering in the foot area
- Dead man's control
- Emergency lowering function and overload protection
- Length-adjustable track via folding mechanism, can be operated from the side
- Hot-dip galvanised floor frame and galvanised ramps
- Hydraulic synchronisation of the rails (cylinder sequence principle)
- No mechanical and optical connection between the rails
- All hinge points of the scissor unit with greasable bolts
- Underfloor use possible without additional accessories

Load capacity	3,5 t	Motor power	2,2 kW
Ascension height	100 mm	Voltage	400 V
Lifting height	2000 mm	Fuse protection	16 A
Lift time	45 sec	Protection class	IP54
Lowering time	45 sec	Standard	DIN EN 1493

Lane spacing 800 mm

**Scope of supply**

4 elastomer mountings 20 mm

**GS test badge, CE certificate**

Order no

9539 000 256

**CONSUL®****Short lifting platform  
Consul 0.30 KH**

- Lane made of anti-slip tear plate
- Integrated electro-hydraulic drive
- Dual hydraulic system with double cylinders in each scissor, thus no compressed air connection required
- Safety signal sound when lowering in the foot area
- Dead man's control
- Emergency lowering function and overload protection
- Length-adjustable track via folding mechanism, can be operated from the side
- Mechanical synchronisation
- Hot-dip galvanised floor frame and galvanised drive-on ramps

Load capacity	3 t	Lift time	30 sec
Fitting length	1400-2030 mm	Motor power	2,2 kW
Acceptance width	450 mm	Drive voltage	400 V
Ascension height	105 mm	Fuse protection	16 A
Lifting height	950 mm		

Lane spacing: 1000 mm

**Scope of supply**

4 elastomer mountings 20 mm, Mobilset (1 drawbar, 2 mountable castors)

**GS test badge, CE certificate**

Order no

9539 000 259

**CONSUL®****2-pillar lift****Premium EL® 2.45**

- Supporting columns made of special rolled section
- Installation at a right angle to the direction of access
- 6-fold roller-bearing pallet truck
- Bronze support nut, cast alloy safety nut
- Oiler for supporting lubrication
- Re-opening protection
- Safety signal tone when lowering in the foot area
- Softline push-button control with computer-controlled level compensation
- Lockable main switch directly on the column
- Complete column interior cover
- Door hinges resilient, adjustable turntable (approx. 25 mm)
- Swivel arm locking (force-free adjustable), locked from 300 mm

Load capacity	4500 kg	Motor power	2 x 3.0 kW
Lift time	45 sec	Fuse protection	20 A
Lowering time	45 sec	Protection class	IP54

Lifting height, achievable with optional accessories: 1970 mm  
 Drive-over height, with optimum ground conditions: 90 mm  
 Extension of support arms: approx. 750-1640 mm (4-section)  
 Set-up width/height: approx. 3600/2560 mm  
 Column distance inside: approx. 3030 mm

**Application range**

To accommodate small vehicles and transporters

**GS test badge, DIN EN 1493, CE certificate**



Order no

9539 000 249

**Accessories**

Description	Order no
Distance sleeve LA02, 100 mm, 4-piece	9539 000 327
Distance sleeve UG, for Consul 2-column platform	9539 000 308
Distance sleeve, 5 t, 100 mm, 4-piece	9539 000 306
Distance sleeve, 4 t, 100 mm, 4-piece	9539 000 309
Special recording, suitable for Mercedes-Benz Sprinter/VW Crafter, 5 t	9539 000 261
Special recording, suitable for Mercedes-Benz Sprinter/VW Crafter, 4 t	9539 000 244

**2-pillar lift****Comfort Lift 2.50**

- High-quality and robust electro-hydraulic 2-column lifting platform.
- Two control units for flexible use on both columns (power set on main control unit)
- Powerful hydraulic unit with load-dependent lowering valve
- Multifunctional pick-up through telescopic support arms optionally in asymmetrical (short – long) or symmetrical (long – long) design
- Electromagnetic unlocking of the safety catches automatically during lifting and lowering
- Very low overrun plate (height = 20 mm) to protect hydraulic hose and synchronisation cables

Load capacity	5 t	Overall height	3140 mm
Lifting height	2000 mm	Lift time	40 sec
Clearance width	3030 mm	Lowering time	35 sec
Overall width	4050 mm	Motor power	3 kW

**Scope of supply**

Column cover strip to protect cylinder, chain, rope

**Also available with symmetrical support arms.**



Order no

9539 622 060



## 2-pillar lift ATH-Comfort Lift 2.40

- High-quality and robust electro-hydraulic 2-column lifting platform.
- Two control units for flexible use on both columns (power set on main control unit)
- Powerful hydraulic unit with load-dependent lowering valve
- Multifunctional pick-up through telescopic support arms optionally in asymmetrical (short – long) or symmetrical (long – long) design
- Electromagnetic unlocking of the safety catches automatically during lifting and lowering
- Very low overrun plate (height = 20 mm) to protect hydraulic hose and synchronisation cables

Load capacity	4 t	Overall height	3140 mm
Lifting height	2000 mm	Lift time	30 sec
Clearance width	2485 mm	Lowering time	30 sec
Overall width	3485 mm	Motor power	3 kW

Drive-on/drive-over height 20 mm  
 Extension short support arms 595-900 mm, long support arms 935-1650 mm  
 Clear post spacing 2800 mm  
 Foundation thickness without floor covering 200 mm  
 Concrete strength C20/25  
 Oil quantity 10 l

### Scope of supply

Including column cover band to protect cylinder, chain and ropes

**Also available with symmetrical support arms.**



Order no

9539 622 210



## Rubber coating For 2-post lifts

Suitable for	Height	∅	Fig.	Order no
Hofmann, ATH, Becker	16 mm	120 mm	1	3566 680 052
Zippo	16 mm	120 mm	2	9682 220 103
Consul, Zippo	17 mm	135 mm	3	9682 220 107
Rotary	20 mm	123 mm	4	9682 220 106
Maha	22 mm	120 mm	5	9682 220 105
Hofmann	22 mm	160 mm	6	3566 680 078
Walnut	24 mm	120 mm	7	9682 220 102
Ravaglioli, Werther	25 mm	123 mm	8	9682 220 031
Romeico, HTC round, ETG, Intech old, cones large	28 mm	160 mm	9	2300 003 049
Walnut, Slift, IME	30 mm	130 mm	10	9682 220 104


**BUSCHING**

## PE block

Universal

Length	Width	Height	Order no
120 mm	100 mm	50 mm	9682 220 113
120 mm	120 mm	80 mm	3566 520 018
150 mm	150 mm	50 mm	9682 220 112
150 mm	150 mm	70 mm	9682 220 111
200 mm	100 mm	40 mm	9682 220 026
200 mm	100 mm	70 mm	9682 220 027
200 mm	140 mm	87 mm	9682 220 028
200 mm	140 mm	120 mm	9682 220 110
300 mm	170 mm	65 mm	9682 220 472
340 mm	132 mm	47 mm	9682 220 100
340 mm	150 mm	95 mm	9682 220 101

**CONSUL®**

## 1-column small part lifter

Drive-on protection, softline push-button control, lockable main switch, acoustic warning device, slip-free Power-Grip drive, pick-up basket with different opening variants, each level with fall protection

Load capacity 500 kg  
 Motor power 3 kW  
 Protection class IP54

### Application range

Ideal for transporting tyres

Model	Lifting height	Order no
KTH 3.000	3000 mm	9539 000 700
KTH 3.500	3500 mm	9539 000 701
KTH 4.000	4000 mm	9539 000 710
KTH 4.500	4500 mm	9539 000 711
KTH 5.000	5000 mm	9539 000 712





## Jack hydraulic

with safety valve against overload, use vertical, with extension threaded spindle, completely welded design, with piston guidance for maximum load, pumping rod can be dismantled into 3 pieces

Temperature range -20 to +70 °C

TÜV/GS-tested, CE tested

This figure corresponds to 9539 650 100

Load capacity	Lifting height	Stroke	Spindle adjustment	Weight	Order no
2 t	170-365 mm	115 mm	80 mm	3,1 kg	9539 650 100
5 t	212-462 mm	150 mm	100 mm	5,1 kg	9539 650 104
8 t	220-480 mm	150 mm	110 mm	6,6 kg	9539 650 106
10 t	220-480 mm	150 mm	110 mm	7,1 kg	9539 650 108
12 t	230-495 mm	155 mm	110 mm	8,3 kg	9539 650 110
20 t	242-520 mm	168 mm	110 mm	11,9 kg	9539 650 114
30 t	244-492 mm	140 mm	108 mm	21,7 kg	9539 650 118



## Jack Hydraulic

Spherical pump housing, safety valve, horizontal use possible, pump lever lockable

Version With 2 pistons

Type	Load capacity	Stroke	Overall height	Overall height	Contact area $\varnothing$	Base plate	Weight	Fig.	Order no
ATDX 3-185	3 t	215 mm	185 mm	400 mm	50 mm	126 x 93 mm	4.1 kg	1	9539 123 456
ATD 10-120	10 t	110 mm	120 mm	230 mm	39.5 mm	164 x 160 mm	6,9 kg	2	9242 089 831
ATN 10-175	10 t	210 mm	175 mm	385 mm	43 mm	197 x 168 mm	7,9 kg	3	9240 020 100
ATPX 12-200	12 t	210 mm	200 mm	485 mm	48 mm	176 x 185 mm	11.2 kg	4	9240 023 901



**Jack**  
**Air-hydraulic**

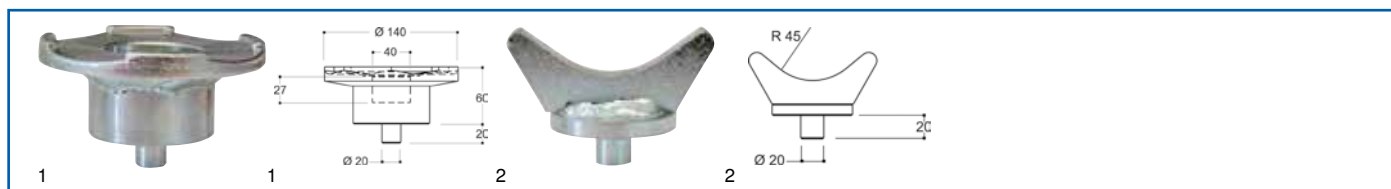
EUROPART own-brand jacks are manufactured from special materials which guarantee their function, quality and breaking strength, even in the most extreme situations.

Pressure range 8-10 bar

**Scope of supply**  
2 adapters

Model	Load capacity	Lifting height	Weight	Fig.	Version	Order no
EP 214 mobil	20/10 t	140-306 mm	15 kg	1	*	9539 650 200
EP 24 T	24 t	215-541 mm	34 kg	2		9539 650 207
EP 215 N	40/20 t	150-300 mm	39 kg	3		9539 650 201
EP 222 N	60/30 t	220-450 mm	71 kg	4		9539 650 202
EP 312	60/30/15 t	120-255 mm	50 kg	5		9539 650 203
EP 330 S	80/50/25 t	310-824 mm	103 kg	6		9539 650 225

<sup>1</sup> mobile



**Accessories**

Description	Fig.	Order no
Saddle, load capacity 80 t	1	<sup>1</sup> 9539 650 205
V-saddle, load capacity 80 t	2	<sup>1</sup> 9539 650 206
Extension for car jack, 70x120 mm, 80 t		<sup>1</sup> 9539 650 210
Extension for car jack, 70x70 mm, 80 t		<sup>1</sup> 9539 650 211

EN: <sup>1</sup> for all models, except EP 24 T

## Hydraulic jack hydraulic

sturdy frame structure with reinforcements for heavy-duty tasks, safe and precise control during lifting and lowering, double movement during lowering (first pulling then turning) provides extra safety against unintentional lowering, directly controlled trigger, compact design, ergonomically shaped handle, quick-lift foot pedal, dampened castors



This figure corresponds to 9539 111 005

Model	Load capacity	Lifting height	Version	Weight	Order no
EP 13HLQ	1,3 t	80-735 mm	long stroke, quick lift foot pedal	39 kg	<b>9539 111 005</b>
EP 20Q	2 t	80-495 mm	quick lift foot pedal	31 kg	<b>9539 111 001</b>
EP 20HLQ	2 t	80-795 mm	long stroke, quick lift foot pedal	49 kg	<b>9539 111 006</b>
EP 40Q	4 t	140-600 mm	quick lift foot pedal	95 kg	<b>9539 111 002</b>
EP 50HLQ	5 t	150-975 mm	long stroke, quick lift foot pedal	170 kg	<b>9539 111 007</b>
EP 60Q	6 t	140-600 mm	quick-lift foot pedal	96 kg	<b>9539 111 003</b>
EP 100Q	10 t	150-585 mm	quick lift foot pedal	118 kg	<b>9539 111 004</b>



### Accessories

Description	Suitable for	Fig.	Order no
Retrofit set pneumatic wheels	Hydraulic jack EP 40Q, EP50HLQ, EP 60Q, EP 100Q	1	<b>9539 360 550</b>
Extension 100 mm	Hydraulic jack EP 20, EP 20Q, EP 13HLQ, EP 20HLQ	2	<b>9539 360 551</b>
Extension 125 mm	Hydraulic jack EP 40Q, EP 60Q, EP 100Q, EP 120Q, EP 50HLQ	3	<b>9539 360 552</b>
Axle traverse load capacity 1 t	Hydraulic jack EP 20, EP 20Q, EP 13HLQ, EP 20HLQ	4	<b>9539 360 553</b>
Rubber coating	Hydraulic jack EP 20, EP 20Q, EP 13HLQ, EP 20HLQ	5	<b>5322 520 152</b>

## Hydraulic jack WK 1032 FSH, hydraulic

very robust and stable, high-quality equipment, high lifting capacity, valve control, integrated quick foot lift and the double pump system allow a very quick and user-friendly attachment to the vehicle, with steel wheels, pump rod protection against bumping against the vehicle

Load capacity	3 t
Lifting height	100-533 mm
Length x width x height	780 x 370 x 165 mm
Weight	42 kg



Order no

**9539 001 052**



## Jack

### B25-2, air-hydraulic

extremely light and compact design without loose hoses, handles and valves, leading to a portable air-hydraulic jack, user-friendly: raise, lower, steer and support are combined in one function, ideal for mobile service, transport lock for secure storage in the service vehicle or as wall bracket in the workshop, sturdy and quality design, lowering is done using compressed air on the cylinder

Version	portable
Load capacity	25/10 t
Lifting height	160-320 mm
Lever length	550 mm
Frame length	535 mm
Width	225 mm
Weight	28 kg

Pneumatic motor/pump block material: Aluminium  
Cylinder parts material: Hard chrome-plated steel

#### Scope of supply

2 extensions (50/100 mm)



Order no

5322 520 021

#### Accessories

##### Description

Transportation safety device/wall bracket for air-hydraulic jack B25-2

Order no

5322 520 026



## Jack

### Air-hydraulic

low weight and transport wheels ensure easy manoeuvring, minimum height covers the whole length of the jack, transport wheels ensure simple handling, hard-wearing and sturdy design

#### Application range

especially for truck and bus garages

Model	Load capacity	Lifting height	Gripping length	Fig.	Weight	Order no
25-1H	25 t	220-345 mm	1160 mm	1	71 kg	9500 230 025
25-2	25/10 t	180-380 mm	1160 mm	2	57 kg	5322 520 000
40-4	40/27/16/10 t	100-275 mm	1250 mm	3	54 kg	5322 520 404
50-2	50/25 t	220-450 mm	1160 mm	4	80 kg	5322 520 030
50-3	50/25/10 t	150-335 mm	1160 mm	5	67 kg	5322 520 040
65-1	65 t	245-380 mm	1160 mm	6	95 kg	5322 520 032



## Jack

### Hybrid Compac® Jack

Ergonomically shaped rubber-covered handles for improved operating comfort, safety valve ensures a defined speed when lowering, quiet rollers, the flat design makes lifting points accessible under most vehicles

Version Air-hydraulic  
 Load capacity 10 t  
 Stroke 225-580 mm  
 Model A10T-C

Stroke with extension 225-650 mm

#### Scope of supply

incl. extension, 70 mm



Order no

9501 010 605



## Hydraulic jack

Ergonomically shaped, rubber-covered handles for better operating comfort, lifting and turning, lowering system protects against unintentional sinking of loads, hydraulics are equipped with a protection device against overload, overpressure valve, additional foot pedal for quick raising of the saddle (quick lift), powder coated, robust, fully welded steel construction of highest steel quality, a safety valve to control the lowering process ensures the lowering of loads at a defined speed and protects against unintentional sinking of loads even under max. load, cylinder protection sleeve to protect the cylinder against overload load, cylinder protection sleeve keeps dirt and welding spatter away, large swivel castors for stability and manoeuvrability under load

Version With steel wheels and long stroke, extra high lifting height  
 Width 460 mm

**3 year guarantee!**



This figure corresponds to 9501 020 602

Model	Load capacity	Length	Width	Lifting height	Weight	Version	Order no
3T-HC	3 t	1620 mm	460 mm	130-860 mm	88 kg	With steel wheels and long stroke, extra high lifting height	9501 020 602
8T-HC	8 t	1830 mm	475 mm	180-960 mm	186 kg	With steel wheels and long stroke, extra high lifting height	9501 020 604
10T-HC	10 t	1700 mm	475 mm	210-710 mm	139 kg	With steel wheels and long stroke, extra high lifting height	9501 020 605
10T-C	10 t	1410 mm	435 mm	165-580 mm	106 kg	With steel wheels	9501 010 600

#### Accessories

Description	Order no
Wheels with air-filled tire set, rubber, suitable for T-C (except 3 T-C) and T-HC models	9508 560 200
LED work lamp for car jack, can also be used as a headlamp, universal application	9508 582 253





## Compressed air cushion

Stackable (up to 2 pieces), with resistant handles, conical protective edges and non-slip surface

Load-bearing capacity, max. 21 t  
 Hose length 500 mm  
 Standard EN 13731  
 Length x width x height 550 x 550 x 25 mm  
 Operating pressure 8 bar

Requirement air flow: 296 litres

Scope of supply	Order no
Without fittings	9539 650 222
2 rectangular plates 600 x 600 mm, ball valve with safety valve	9539 650 209

**OTHER AIRLIFT PADS ON REQUEST**

### EWOS 3.0

Haven't found what you need?  
 The way into the EWOS system is  
 always worthwhile!

Scan the QR code  
<https://ewos.net/>



### EWOS - barcode scanner

Simply scan barcodes with your smartphone  
 camera and receive all important information about  
 the product immediately.

Scan the QR code and test it immediately  
<https://ewos.net/barcodescanner>



**EWOS  
 3.0**





## Transmission jack

### EP 1000

easy operation by foot-operated pump and accurate lowering facility, safety valve against overload

Version	hydraulic
Load capacity	1 t
Lifting height	1170-2000 mm
Width	550 mm
Wheel Ø	125 mm
Weight	40 kg

#### Scope of supply

with gear crown, with S-semi-trailer



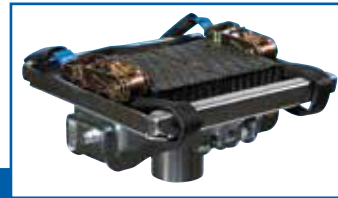
Order no

9539 111 250

#### Accessories

##### Description

Saddle, AS 1, for transmission jack EP 1000



Order no

5322 520 120



## Transmission jack

### VLT 12

easy operation by foot operated pump and accurate lowering facility, with telescopic cylinder and fast lift travel, stepless control allows exact positioning, hand operated dead man control for optimum safety when lowering, galvanised lifting crown and legs, with safety valve against overloading, two braking and swivelling wheels for optimum stability and mobility

Version	Hydraulic
Load capacity	1,2 t
Lifting height	905-1920 mm
Width	720 mm
Wheel Ø	125 mm
Weight	65 kg



Order no

5322 520 119



## Transmission jack

### GH 1200 Top

Stepless lifting via hydraulic foot pump, simultaneous working or holding with the hands possible, lowering of the load via foot controller rotatable, height-adjustable manoeuvring handle with integrated screw rest, optimum protection of vehicle parts due to patented foam block, 4 swivel castors for easy manoeuvring

Version	Hydraulic	Width	720 mm
Load capacity	1,2 t	Height	973 mm
Lift range	973-1825 mm	Weight	35.2 kg
Length	720 mm		



Order no

9539 003 820

#### Accessories

##### Description

Attachment for transmission jack, adjustable, with two chains



Order no

9539 349 000



## Transmission jack

### Junior Jack 2.0

Version	Pneumatic-hydraulic
Load capacity	2 t
Seat-Ø	35 mm
Lift range	830-1930 mm
Weight	61 kg

Installation width/height 800/800 mm



Order no

9534 004 364

#### Accessories

##### Description

Transmission plate, GA III, 1 t



Order no

9534 004 371



This figure corresponds to 5322 520 112

## Garage crane

Hydraulic pumps equipped with hard-chrome plated pistons and overload valve for long service life, complies with the strictest international safety regulations, the 360° pivoting rear wheels make the crane particularly manoeuvrable even under load, with a 360° rotating hook and jib arm adjustable in 5 positions,

Load capacity 700-1100 kg  
 Arm length 955-1375 mm  
 Frame height 125 mm  
 Weight 95 kg

Floor area in folded state: 35 x 40 cm

**WJN cranes are portable and foldable and can be set up or folded within a very short time. The folded crane only takes up very little floor space. WJN cranes are also available with foldable parallel legs (5322 520 112) to be able to drive around Euro pallets.**

Model	Version	Order no
WJN 10	V-shape	5322 520 105
WJN 10 EUR	Euro pallet	5322 520 112



## Garage crane

### WK 5011

Portable and foldable workshop crane, erected in no time and folded again to save space

Weight 62 kg

Arm position 1 load bearing capacity: 1000 kg  
 Arm position 2 load bearing capacity: 750 kg  
 Arm position 3 load bearing capacity: 500 kg  
 Arm position 4 load bearing capacity: 250 kg  
 Dimensions in folded position: 45 x 69 x 144



Order no

9539 005 012



## Garage crane

Low underclearance, crane jib can be adjusted in 4 positions, load capacity depending on outreach, with swivel castors for maximum flexibility even under load, space-saving storage due to folding foot tubes, can be quickly assembled and disassembled



Model	Load capacity	Lifting height	Underclearance	Arm length	Order no
WK 1002 LP	0,25/0,5/0,75/1 t	25-2045 mm	190 mm	1010-1280 mm	9539 003 831
WK 2002 LP	0,5/1,0/1,5/2,0 t	25-2445 mm	110 mm	975-1515 mm	9539 003 832



## Engine positioner

### MP 680

For engine mounting and dismounting in connection with workshop cranes or similar, quick centre of gravity finding by practical crank and worm gear, 4 stable chains for practical mounting options, handy due to low weight

Load capacity	680 kg
Length	445 mm
Width	65 mm
Height	190 mm



Order no

9539 650 161

## Front windscreen lift

Facilitates the removal and installation of large and heavy panes of glass on buses, trucks or rail vehicles, can be folded compactly and transported easily, all functions are purely mechanical, glass suction cup unit consisting of 2 vacuum cups with pressure gauge with a total capacity of 140 kg

### Application range

For buses, trucks and rail vehicles

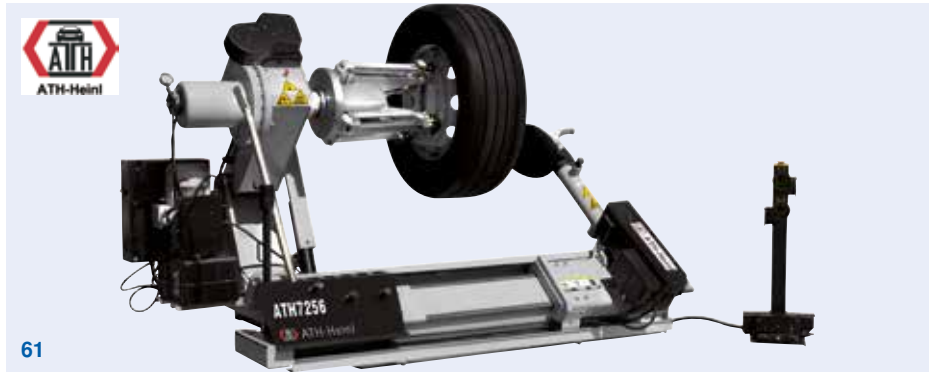


This figure corresponds to 8005 020 006

Model	Height, max.	Order no
ProGlass SL-300-S	3 m	8005 020 006
ProGlass SL-350-C	3,5 m	8005 020 007



60



61



64



86



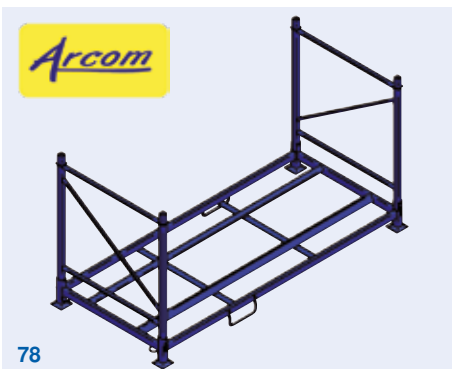
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76



70



78



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85



94

# Wheel and tyre technology

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## Tyre mounting machine monty® 3850

Mobile control unit, positioning of wheel and tool with large, precise adjustment range, infinitely self-centring universal hydraulic chuck, bead breaker roller and mounting/dismounting tool mounted on swivel arm, safety valve on chuck to prevent unintentional unclamping of wheel, ergonomic operator guidance through height-adjustable control column

Version	Electrohydraulic	Wheel Ø	1500 mm
Clamping range	130-560 mm	Voltage	400 V
Wheel weight, max.	1000 kg	Dimensions	1670 x 1400 x 840 mm
Wheel width	700 mm		

### Application range

Tyres with a rim diameter of 14-26".



Order no

2030 003 850



## Tyre mounting machine ATH 7226

Clamping device with 4 clamping arms, hydraulic lifting arm and lateral fitting carriage, the fitting arm can be manually moved on the carriage and can also be turned and folded out, electric drive for the rotational movement of the clamping arms, one fitting speed

Version	Electrohydraulic	Voltage	400 V
Wheel width, max.	780 mm	Width x height x depth	1950 x 1250 x 2100 mm
Wheel Ø, max.	1500 mm	Weight	700 kg
Wheel weight, max.	500 kg		

3 phase ~ 400 V/50 Hz

### Application range

Light truck and truck tyres with a maximum rim diameter of 26"

### Scope of supply

- 1 x bead clamp for steel rims
- 1 x mounting lever
- 1 x grease gun
- 1 x grease cartridge



Order no

9539 000 650



## Tyre mounting machine ATH 7256

Clamping device with four clamping arms, for hydraulic clamping and lifting, hydraulic longitudinal movement of the slide, assembly arm and complete clamping arm device can be moved hydraulically longitudinally and can be automatically rotated and folded out, electric drive and two speeds for the rotary movement of the clamping arms

Version	electrohydraulic	Voltage	400 V
Clamping range	14-56"	Noise level	70 dB(A)
Wheel Ø, max.	2450 mm	Width x height x depth	3000 x 2250 x 2700 mm
Motor power	3 kW	Weight	1300 kg
Operating pressure	150-250 bar		

3 phase ~ 400-415 V/50 Hz

### Application range

light commercial vehicles and truck tyres, construction machinery and agricultural machinery with a rim diameter of max. 56"

### Scope of supply

- 1 x clamping jaw extension to 60"
- 1 x bead clamp for steel rims
- 1 x tyre lever for steel rims
- 1 x lubricating gun



Order no

9539 000 685



## Tyre mounting machine MONTY® 3300-24 SMARTSPEED GP PLUS

With pneumatically rear-tilting mounting column, equipped as standard with easymont® pro and plus kit for machining UHP and run-flat wheels (additional optional adapters are required for PAX and CSR), with smartSpeed technology (automatic speed selection with inverter technology), double-acting bead breaker cylinder, mounting head is pneumatically adjusted remotely from the rim, sliding claws with rounded profile and plastic protection, shorter clamping time and higher clamping force thanks to cylinder with shorter cylinder stroke, conventional assembly tool (working range 8"-24") with steel assembly head and plastic inserts for gentle processing of the wheels, clamping plate with centrally arranged sliding claws, lateral bead breaker with adjustable blade inclination for different wheel diameters adjustable in three positions for high performance and flexibility, valve box with integrated pressure gauge and four ergonomic shelves for valves, tools and accessories, pedal-operated filling device, quick-fill valve, with filling pusher from above

Outer clamping range	10-24"
Inner clamping range	12-24"
Wheel width, max.	330 mm
Wheel Ø, max.	1000 mm
Rim Ø	10-24"
Load capacity	70 kg
Motor power	0.9 kW
Width x height x depth	1600 x 1850 x 1900 mm

### Application range

Passenger car tyres up to 24"



Order no

2030 003 852



## Tyre mounting machine

### ATH M52

with pneumatic rear pivot, new torsion-resistant construction with high-precision laser-cut machining, hammered-finish powder coating, very robust, outside clamping range to 22" (additionally adjustable by - 2"), pneumatic mounting head clamping with adjustable automatic vertical and horizontal rim removal, self-centering, pre-adjustable 4 clamping cheek system with 2 double-acting aluminium clamping cylinders, double-acting lateral aluminium bead-breaking cylinder with lateral bead-breaker and anti-jam system, extendable valve block with aluminium valves and ergonomically arranged foot-pedal control

Inner clamping range	14-26"
Outer clamping range	12-22"
Rim width	4-13"
Wheel Ø, max.	1050 mm
Drive voltage	400 V AC
Dimensions	1550 x 1740 x 2170 mm
Weight	240 kg

Assembly speed 7 min<sup>-1</sup>

#### Application range

Tyres of vans and passenger cars, also suitable for light truck and motorbike tyres by means of optional accessories

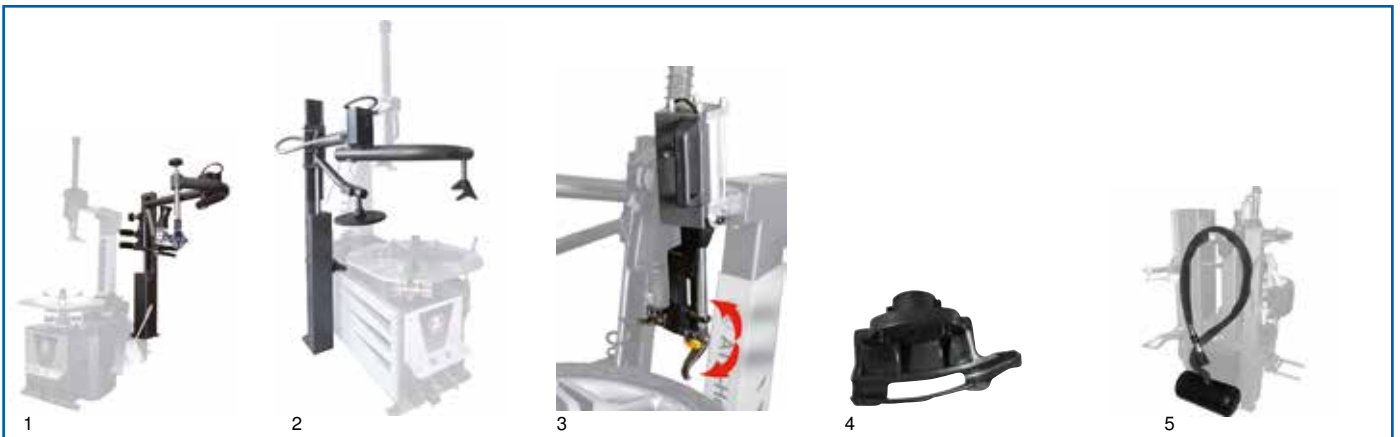
#### Scope of supply

Steel mounting head, plastic contact shoe set, long plastic jaws, brush, container for mounting paste



Order no

3243 151 031



#### Accessories

Description	Fig.	Order no
Mounting arm, ATH A34, right	1	9539 001 971
Mounting arm, ATH A31, left	2	9539 151 017
Assembly finger, ATH 151044	3	9539 151 044
Plastic mounting head, ideal for aluminium rims	4	3243 000 844
Tyre filling unit	5	9539 151 045



## Wheel balancing machine geodyna® 980L

Automatic transfer of distance wheel - machine and rim- $\varnothing$ , input of width by pressing a key and turning the wheel (patented), electronic friction brake holds the wheel in any position, patented virtual measuring level technology (VPM), weight box with 27 weight compartments and shelves for car cones and weight pliers automatic braking of the wheel after each measuring run, automatic static and dynamic unbalance determination in one measuring run, centre centring device with spacer ring and light truck cone  $\varnothing$  120-170 mm, measuring arm for taking over the wheel data and positioning the adhesive weights, placement behind spokes, patented running smoothness optimisation

Version	Electric
Rim width	2-20"
Rim $\varnothing$	8-26"
Wheel weight, max.	250 kg
Wheel $\varnothing$ , max.	1300 mm
Shaft dia.	40 mm
Balancing accuracy	1 g
Width x height x depth	1455 x 2005 x 1370 mm

Measurement speed at 100 min<sup>-1</sup>

### Application range

Truck wheels

### Scope of supply

Incl. wheel lifter



Order no

0203 003 850



## Wheel balancing machine W142

11 balancing programmes (car or truck mode), simple operation, easy application of adhesive weights via measuring finger or laser position (6 o'clock), pneumatic parking brake, wheel guard with automatic start/stop function

Version	Electric
Rim width	5-20"
Rim $\varnothing$	15,5-30"
Wheel weight, max.	160 kg
Wheel width	4-15"
Wheel $\varnothing$ , max.	1200 mm
Shaft dia.	40 mm
Balancing accuracy	$\pm 10$ g
Voltage	400 V AC
Width x height x depth	1640 x 1900 x 1090 mm
Weight	305 kg

### Application range

Truck, bus, van and car tyres

### Scope of supply

with wheel lifter, clamping cones from 45-290 mm with cone holders, rim gauge, quick-clamping nut for cars, clamping nut for trucks, 100 g weight for car calibration, 200 g weight for truck calibration, rim clamp, clamping bonnet for aluminium rims, wave spring, electrical connection via 400 V-50 Hz



Order no

9539 000 142



## Wheel balancing machine

### W102

5 balancing programs (car or truck mode), mobile version for use directly at the vehicle or near a tyre changer, no additional lever required for tyres, as the entire balancing unit can simply be raised with the clamped-on wheel, equipped with manual hand brake, compact dimensions

Version	manual
Rim $\varnothing$	12-24"
Wheel weight, max.	200 kg
Wheel width	4-15"
Wheel $\varnothing$ , max.	1200 mm
Shaft dia.	40 mm
Balancing accuracy	$\pm 10$ g
Voltage	230 V
Width x height x depth	1150 x 1070 x 960 mm
Weight	185 kg

#### Application range

truck, bus, van and car tyres

#### Scope of supply

cone set (45-225 mm, 270-281 mm), quick-release nut, weight pliers, 100 g weight for car calibration, 200 g weight for truck calibration, rim width gauge (trucks), electrical connection via 230 V, 50 Hz



Order no

9539 000 102



## Wheel balancing machine

### geodyna® 7600P

With torque-controlled power clamp instead of clamp nut, touch-screen monitor with GOLD graphic user interface, easyWeight laser dot display for fast pinpoint placement of adhesive weights at the bottom of the rim, semi-automatic data entry of distance and rim  $\varnothing$  with 2D technology and automatic rim width detection with Smart Sonar, semi-automatic pre-selection of weight placement with easyAlu, rim dish illumination for easier rim cleaning and faster data entry and weight positioning, new ergonomic weight box, weight minimisation and optimisation, VPM measuring technology for uncompromising accuracy, QuickBal for reduced measuring time: short cycle time (start-stop) of only 4.5 s (15" rim)

Version	Electric
Wheel weight, max.	70 kg
Wheel $\varnothing$ , max.	1050 mm
Rim width	1-20"
Rim $\varnothing$	8-32"
Shaft dia.	40 mm
Balancing accuracy	1 g
Voltage	230 V AC
Width x height x depth	878 x 1834 x 1383 mm

Measuring speed <200 rpm

#### Application range

Car wheels



Order no

2030 003 853



## Wheel balancing machine

### ATH W42 LED 3D

Hammer blow powder coating, very resistant, electric motor drive with wheel balance optimisation, microprocessor control with triple LED display, 3D function, automatic take-over of distance dimension, wheel  $\varnothing$  and wheel width, digital and optical position display of weights by LED and laser (LPS), programme selection: static and dynamic, ALU programmes, ALU weight optimisation incl. rear spoke placement, wheel protection with automatic start/stop function, pedal-operated parking brake and wheel interior lighting, ergonomically arranged front control panel and large tray, 40 mm shaft  $\varnothing$  and quick-clamping nut clamping, clamping cones from 44-130 mm with cone holders

Version	Electric
Rim width, max.	1,5-20"
Wheel weight, max.	65 kg
Wheel $\varnothing$ , max.	900 mm
Measuring time	7 sec
Voltage	230 V
Motor power	0.25 kW
Width x height x depth	1300 x 1150 x 1700 mm
Weight	118 kg

Rim central hole  $\varnothing$  max. 44-130 mm

#### Application range

Car, motor cycle and light truck wheels



Order no

9539 150 003



## Tyre lifter

### For balancing machine

Enables easy and back-friendly positioning of a wheel on the shaft of the balancing machine, ergonomic working with large and heavy wheels, damage-free mounting - important also with higher-quality rims, avoidance of setting down the wheel with full load on the shaft end - thus avoiding unnecessary recalibration and damage to the shaft, easy control of the jack by a simple switch, which is positioned together with a stable handle directly on the tyre lever - thus always full control over the position as well as protection against falling down of the wheel, bracket with special C-shape to work without obstacles on the wheel mounting, quick access to the necessary working tools due to two additional receptacles for cones or quick-release nut, pneumatic air bellows enables exact positioning of the wheel by slightly pressing down the wheel for balancing machine

Version	Pneumatic
Load capacity	120 kg
Lift range	140-480 mm
Stroke	340 mm
Width x height x depth	940 x 820 x 690 mm
Weight	80 kg

Required air pressure: 0.7-0.8 Mpa

#### Application range

For all common passenger car balancing machines



Order no

3243 150 032



## Wheel mounting device

### RW5.16

Adjustable fork, split castors for twin wheels, free access in the middle (e.g. to the wheel nuts), drive with smooth-running manual cable winch, easy to move by means of 2 fixed castors at the front and 2 swivel castors at the rear

Load capacity	500 kg
Wheel size	500-1800 mm
Stroke	1600 mm
Fork length	650 mm
Length x width x height	975 x 1250 x 2235 mm
Colour	grey
Colour code	RAL 7015
Surface	Powder-coated



Order no

9539 500 620

TEXA

## Read-out unit

### TPS 2

Handheld device for extremely fast reading, copying and programming of TPMS sensors, simple and intuitive menu navigation on large, high-resolution colour display, Wi-Fi and Bluetooth function for updates and control of the Navigator Nano S diagnostic interface or a printer, powerful 5 megapixel camera allows photos for customer reports and future applications in the field of automatic reading of vehicle and tyre data, expansion of the device's memory capacity via a micro-SD card, particularly strong radio performance allows easy application on the vehicle, enables the use of the free TPMS-Repair APP on PC, Axone Nemo and Axone 4 Mini, retrofit with Navigator Nano S diagnostic interface for communication with TPMS control units

#### Scope of supply

USB power supply, USB cable



Order no

9539 003 685

TEXA

## Activation and coding device

### TPS, for TPMS sensors

TPS (Tyre Pressure Service) offers a very wide range of makes and models, checks the correct functioning of the tyre pressure sensors, shows on its own display the pressure, temperature, battery charge, sensor identification data and any other diagnostic data provided by the vehicle manufacturer

Rechargeable battery	Li-Ion (3.7 V/1100 mAh)
Frequency	433-434 MHz
Charging time	via USB, approx. 3 h
Width x height x depth	142 x 63 x 30 mm
Weight	136 g

**Processor** Cortex M0+ , 48 MHz

**Co-processor** Custom FPGA (communication with sensors)

**Memory** 16 MB

**Display** 1.5" LCD monochrome backlit, resolution 64 x 128 pixels

**Wireless connection** Bluetooth class 2 with integrated antenna

**Transmission frequency** 125 kHz

#### Scope of supply

Charger, USB cable



Order no

9539 003 688



## Diagnosis unit

### VT TRUCK, for commercial vehicle TPMS sensors

activates original sensors and retrofitted sensors within seconds, reads out all sensor data (ID, tire pressure, battery status, tire temperature), for up to 22 wheels, even twin wheels, 2.8" screen, rechargeable lithium-polymer battery, protective housing from rubber, menu in 24 languages, 3 years free software and database updating

Frequency	315/433 MHz
Width x height x depth	150 x 80 x 25 mm
Weight	0.25 kg

#### Application range

European trucks and bus

#### Scope of supply

Charger, USB cable, WebVT PC software



Order no

9539 500 702



## Tyre pressure sensor RDE021

### Application range

Mercedes-Benz Actros Model (-2016)  
Used for the following OE part numbers:  
Mercedes-Benz A 010 542 04 18  
Mercedes-Benz A 010 542 37 18

The sensors are screwed onto special truck metal valves:  
Mercedes-Benz A 001 401 73 13 = EP 9245 895 032  
Mercedes-Benz old A 001 401 74 13, new A 001 401 80 13 = EP 9245 895 033  
Mercedes-Benz old A 001 401 75 13, new A 001 401 81 13 = EP 9245 895 034



Order no

9245 207 021



## Tyre pressure sensor

without relay valve

### Application range

For all Mercedes - Benz Actros models from year of manufacture 2017 onwards



Order no

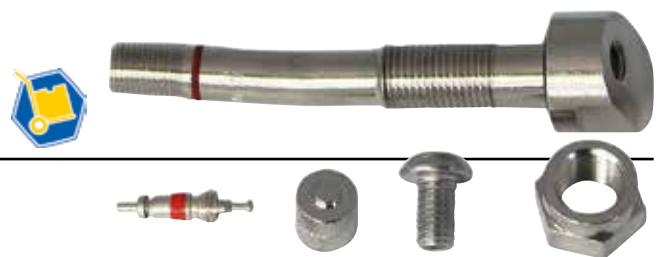
9245 207 029



## Valve for tyre pressure sensor

### Scope of supply

incl. insert, metal valve cap, nut and sensor mounting screw



This figure corresponds to 9245 207 031

Application range	Length	Thread length	Angle	Order no
for light alloy rims	40 mm	17 mm	0°	9245 207 036
for light alloy rims	50 mm	17 mm	0°	9245 207 034
for light alloy rims	63 mm	17 mm	0°	9245 207 035
for light alloy rims	73 mm	17 mm	0°	9245 207 033
for light alloy rims	77,4 mm	17 mm	7°	9245 207 031
for steel rims (Mercedes-Benz Actros)	45 mm	17 mm	45°	9245 207 032



## Tyre inflation cage

- safe inflation of unpressurised as well as pressurised tyres, in accordance with the recommendations of the "Tyre Fitting" working group of the employers' liability insurance association
- made of simplex wire mesh, of single-layer expanded metal
- door included
- ideal in combination with a tyre inflation computer, can be mounted on the cage
- maximum tyre size: height 1150 mm, width 550 mm

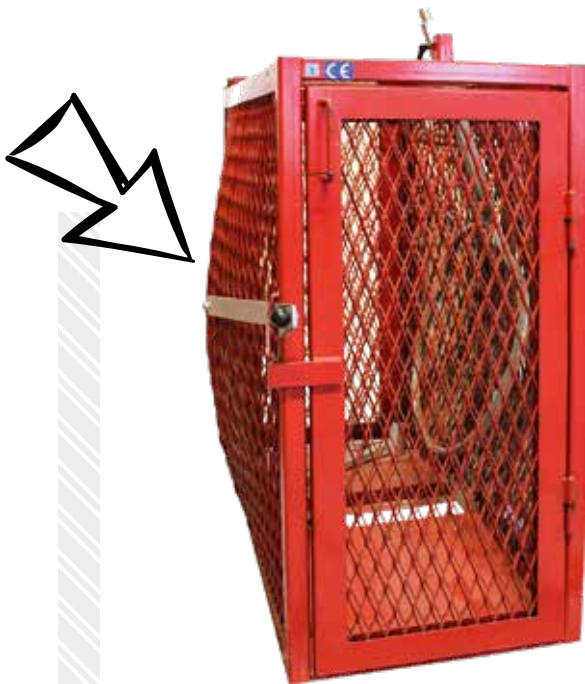
Width 690 mm  
Height 1250 mm  
Depth 1270 mm

**Application range**  
truck and bus tyres



Order no

9539 111 901



When the tyres are filled there is a high accident risk for garage personnel. The reasons are, for example, installation of already damaged tyres, damage to the tyre bead from installation, insufficient control of lock and side rings of multi-part rims, damaged rims (e.g. from rust, wear, cracks, deformation etc.) or from exceeding the highest filling pressure.

The forces at work when a tyre blows out (deformation forces on a tyre inflation cage) are clarified in the picture.

**AHCON®****Tyre inflation cage  
TBR 1200**

High level of safety during the inflation of truck tyres, meets all the requirements of a tyre service workshop, made of duplex wire mesh, individual equipment of the basic model thanks to extensive accessories, combination of several safety inflation cages (optional), the first safety inflation cage in the world to be certified by an authorised inspection authority

Tyre width 600 mm  
 Tyre height 1300 mm  
 Width 800 mm  
 Height 1420 mm  
 Depth 1450 mm  
 Colour anthracite grey  
 Colour code RAL 7016

**Application range**

Truck tyres

**Scope of supply**

Basic model, without tyre buffing unit, air cannon, roll-out system and left side door

**GS-certified**

Illustration also shows optional accessories

**Order no****9539 122 000****Accessories**

Description	Order no
Tyre filling unit, pressure 12 bar	9539 122 001
Air cannon, Omega Jet System, pressure 12 bar	9539 122 002
Roll-out system, front	9539 122 003
Side door, left	9539 122 004

**EURO  
PART®****Tyre inflation computer**

fully automatic tyre inflation computer, simple and fast operation, can be mounted on a tyre inflation cage, three programmes for different settings of overpressure, approved for inflation with nitrogen

Pressure 12 bar

**Application range**

truck, transporter, car, motorcycle and construction-machine tyres

**Order no****9539 111 900****Accessories**

Description	Order no
Bracket for mounting on tyre inflation cage	9539 111 900



## Tyre filling unit for wall mounting

Up to 7 choices of programme, of which there is one filling station programme for checking and topping up the tyre pressure and one workshop programme for inflating the tyre and checking the pressure during installation, with preselection of the required pressure, digital display with choice of bar, psi or kPa, simple 4-button control, suitable for compressed air and also nitrogen, calibrated model



Type	Version	Pressure	Voltage	Protection class	Order no
89 MXA	5 m filling hose incl. instant connector	0,3-10 bar	240 V	IP44	9549 266 006
89 XHB	10 m filling hose incl. instant connector	0,3-12,5 bar	230 V	IP66	9549 266 007

3 Wheel and tyre technology



## Wheel mounting device WT 1500NT

Hydraulic, ergonomic wheel mounting device, suitable for wheels with a Ø of 1000 to 2400 mm, with handle for quick and ergonomic lifting or lowering of the wheel, optimal safety for the user, easy to manoeuvre

- Load capacity 1500 kg
- Tyre width, max. 1200 mm
- Roller distance 900-1650 mm
- Roller length 690 mm
- Width 1040 mm
- Height 1455 mm

### Application range

Wheels for tractors, agricultural and construction machinery



Order no

5322 520 018



## Wheel mounting device WTA 500, hydraulic

for fast and ergonomic wheel changing, large lifting height enables loading and unloading of transport vehicles, laterally adjustable lifting arm for wheel diameters 270-1300 mm, lifting arm with roller bearing for easy adjustment of the wheel, foot-operated pump, safety bar for fast mounting of the wheel during transport, 4 wheels can be swivelled by 360°

- Load capacity 500 kg
- Roller distance 260-710 mm
- Roller length 415 mm
- Lifting height 710 mm
- Width 990 mm



Order no

5322 520 012

### Accessories

The illustration also shows optional accessories.

### Description

Installation crane

Order no

5322 520 013



## Wheel dolly

### EP Wheel Dolly

for rolling, turning, lifting and lowering, easy disassembly and assembly of truck wheels, with 3 different roller setting options depending on tyre size, usage prevents damage to wheel studs and rims

Load capacity 220 kg

Suitable for wheel sizes from 6.5" to 22.5"

#### Application range

also ideal for mobile service



Order no

9539 111 055



## Wheel dolly

### Safergo Wheel Dolly

hydraulic truck wheel mounter for fast and ergonomic tyre change, easy, safe and portable, easy positioning of truck wheels, prevents damage to threads when (dis)assembling wheels

Load capacity 150 kg

Frame length 680 mm

Frame width 470 mm

Frame height 280 mm

#### Application range

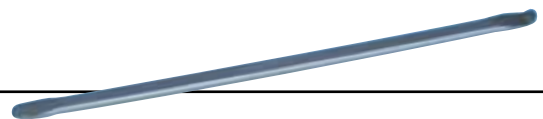
Ideal for mobile service



Order no

9539 310 157

## Mounting lever



This figure corresponds to 9534 050 000

Length	Version	Order no
610 mm	Offset, for aluminium wheels	8659 810 036
610 mm	Offset, for steel wheels	9240 071 989
500 mm	Straight	9534 050 000



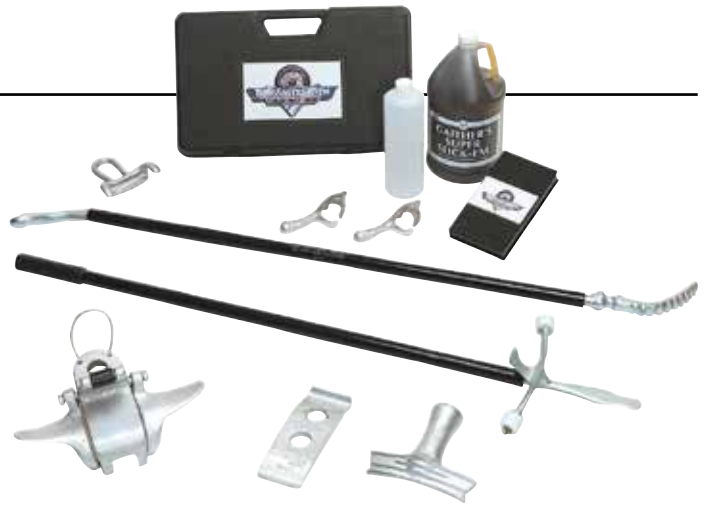
## Tyre mounting set mobile

Simple system for removing and fitting tubeless truck tyres, simple lever action enables quick tyre change, independent in the event of a puncture and no bead damage

Tyre size 17,5-24,5"

### Scope of supply

1 fork head, 1 fitting plate, 1 fitting wedge, 1 lever bar, 2 rim crown holders, 1 removal and fitting bar, 1 can containing 4 litres of special lubricant, 1 dosing bottle, 1 case for small parts, operating instructions, demo video



Version	Order no
10-piece	9539 310 050



## Tyre mounting set

Tyre size 19,5-24,5"

**Application range**  
Standard truck tyres



Version	Order no
3-piece	9539 310 110

## Wheel puller

Adjustable, safe, time-saving, back-friendly, material-friendly, easy to operate

Spanner size 32  
Spindle length 405 mm  
Chain length 660 mm

Width of jib: 365 mm  
Mounting height on stand: 415-660 mm  
Maximum load capacity: 4 t pulling force, is achieved with about 200 Nm of applied manual force



Order no
9539 750 004

## Pump ring

### For trucks and cars

Enables easy inflation of all standard tubeless truck and car tyres, especially useful with tyres that have been deformed during storage

Special sizes available on request, e.g. extra-wide AS wheels up to 54" rim diameter, also replacement rubber rings.

Ø	Order no
17,5"	9245 193 754
19,5"	9245 193 761
22,5"	9245 613 112



(Illustration similar)

#### Accessories

Description	Order no
Spare rubber for truck pump ring, Ø 22,5"	9245 613 092



## Air cannon

### Bead Bazooka

The tyre is pushed onto the rim by the sudden air discharge

- Patented RAR valve (automatic - press and discharge)
- New double tube
- Hanging bracket
- Easy to operate
- Suitable for mobile and stationary applications

Operating pressure 10 bar

TÜV/CE certified

Type	Boiler contents	Application range	Order no
BB6L	6 l	suitable for passenger cars, light commercial vehicles and light truck tyres	9539 310 160
BB9L	9 l	for truck tyres	9539 310 161
BB12L	12 l	for trucks, light trucks and some tractor tyres	9539 310 162
GB38L	38 l	for tractor tyres	9539 310 167



This figure corresponds to 9539 310 160



## Rim remover

Special lever for removal of commercial vehicle rims that have rusted onto the hub, no damage to the rim, with adjustable pull-off hook for various rim types, high force applied due to 1600 mm-long lever

Overall length 1700 mm  
Overall width 130 mm  
Overall height 110 mm



Order no

9500 992 301



## Tyre remover

### Tyre Ex

suitable for removing tyres from difficult EVA wheels, pushes the tyre from the rim flange over the safety bead, no damage is done to the rim thanks to special removal and fitting fluid, suitable for mobile and stationary applications

#### Scope of supply

Fluid (4 litres), empty dosing bottle (1 litre)

Order no

9539 310 010



#### Accessories

Description	Order no
Adapter, 17,5-22,5"	9539 310 040
Tyre mounting and dismounting fluid, 4 l can	9539 310 030



## Tyre remover

### pneumatic

Presses down truck and agricultural tractor tyres directly on the vehicle, quickly and problem-free, up to 38" wheel size

Operating pressure 6,2 bar

Weight 4,6 kg

Air supply power at operating pressure 113 l/min

#### Scope of supply

in case



Order no

9539 310 165



## Tyre remover

### hydraulic

Capacity 10 t

Spindle adjustment 88-125 mm

Weight 18.5 kg

#### Application range

for releasing steel and aluminium wheels

#### Scope of supply

– Foot pump with hose

– Cylinder, 90-118 mm

– 3 extensions, 10/25/50 mm

in metal case



Order no

9539 310 170



## Vulcanizing machine

Hot vulcanisation method, bimetal thermostat keeps temperature of heating plates constant, two heating plates (the upper one is pressed on with a compressed air piston), lower and upper heating plate can be separated

Operating temperature	150 °C
Heating time	0-120 min
Heating power	2 x 350 W
Voltage	230 V
Pressure range	8-10 bar
Weight	18 kg

### Application range

For repairing all types of tyres and inner tubes

### Scope of supply

With aluminium blades

Model	Operating temperature	Weight	Fig.	Order no
Wulkan 160P	150 °C	18 kg	1	9539 500 516
Wulkan 2000	110-165 °C	18 kg	2	9539 500 517
Wulkan 3000	110-165 °C	28 kg	3	9539 500 518

<sup>1</sup> Also suitable for large industrial machines

### Accessories

Description	Order no
Stand, for vulcanizing machine	9539 500 519



## Tyre washing machine 500HP

Equipped with pneumatic wheel lift, wash chamber ejection and heating, computer control with software in 6 languages, rotating pneumatic lifting system, settling tray separated from the wash chamber, double noise insulation and anti-vibration rubber feet, functional accessory compartment, safety lock to prevent overheating

Pressure	4 bar
Nominal performance	7 kW
Wheel width	240-430 mm
Wheel $\varnothing$	740-1200 mm
Width x height x depth	1330 x 2170 x 1610 mm

Heating parameters: Nominal power of the heating system 4 kW, heating time to a water temperature of 50 °C: 120 to 180 minutes  
Adjustable washing time: (3 programmes) 60, 120, 240 seconds  
Drying time: 30 seconds  
Water quantity: 500 litres

### Application range

for truck tyres

### Scope of supply

50 kg granulate, granulate basket, non-slip rubber mat, 50 l washing liquid



Order no

9539 500 513



## Tyre washing machine 4x4 HP

Equipped with heating system, computer control, software in 6 languages, screen with easy operation, double noise insulation

Pressure	4 bar
Nominal performance	6 kW
Wheel width	135-360 mm
Wheel $\varnothing$	560-850 mm
Width x height x depth	960 x 1510 x 1220 mm

Heating parameters: Nominal power of the heating system 4 kW, heating time to a water temperature of 50 °C: 60 to 120 minutes

### Application range

Suitable for passenger cars, light commercial vehicles and light truck tyres

### Scope of supply

Granulate 25 kg, granulate basket, rubber mat, noise insulation foam, 30 l washing liquid, perforated PVC noise filter



Order no

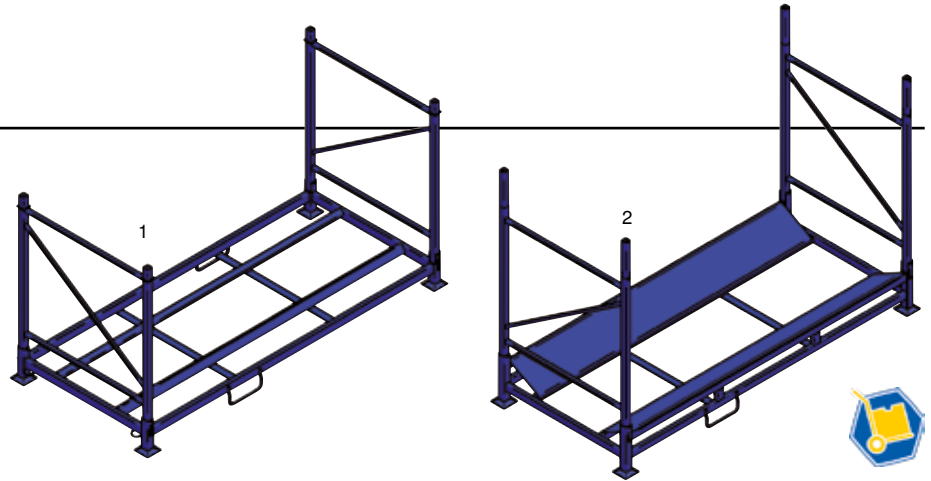
9539 500 514










## Stacking pallet

Surface powder-coated

CE, TÜV-Süd certified



Type	Load, max.	Version	Technical data	Fig.	Order no
AR10  	600 kg	For tyres without rims	Vertical stacking: max. 6 units on top of each other Storage for empty pallets: max. 20 units on top of each other Storage capacity: 6 tyres 385/65/R22.5 or 8 tyres 315/80/R22.5	1	9573 001 000
AR23  	1100 kg	For tyres with rims	Vertical setup: max. of 4 units one above the other Storage of empty pallets: max. of 20 units one above the other Storage capacity: 6 tyres 385/65/R22.5	1	9573 001 005
AR12 	800 kg		Vertical stacking: max. 5 units on top of each other Storage for empty pallets: max. 20 units on top of each other	2	9573 001 002
AR12-250 	800 kg	With 250 mm attachment	Vertical stacking: max. 4 units on top of each other Storage for empty pallets: max. 20 units on top of each other	2	9573 001 003
AR12-500 	800 kg	With 500 mm attachment	Vertical stacking: max. 3 units on top of each other Storage for empty pallets: max. 20 units on top of each other	2	9573 001 004



## Tyre shelf for passenger car and light commercial vehicle tyres

safe, space-saving and material-friendly storing of tires with and without rims, for sizes up to 650 mm diameter, fast fitting thanks to the screwless insertion system, can be combined in any order, also with EUROPART storage shelf 9539 094 952-954, with 3 storage levels

Height 2000 mm  
Depth 400 mm  
Surface galvanised

Version	Width	Technical data	Order no
basic shelf unit	1150 mm	Tyres per level: 4 x 255 mm Standard rim: 7 1/2 J Tyres per rack: 12	9539 094 965
add-on shelf unit	1150 mm	Tyres per level: 4 x 255 mm Standard rim: 7 1/2 J Tyres per rack: 12	9539 094 966
basic shelf unit	1300 mm	Tyres per level: 4 x 285 mm Standard rim: 9 J Tyres per rack: 12	9539 094 962
add-on shelf unit	1300 mm	Tyres per level: 4 x 285 mm Standard rim: 9 J Tyres per rack: 12	9539 094 963





## Tyre mounting paste/tyre mounting cream

facilitates assembly work and supports later dismantling, since the tyre does not stick to the rim, low effort and time expenditure due to high sliding properties, has a beneficial effect on the tyre material, prevents cracks and age-related complaints and is very economical in use and fast drying, guaranteed, in compliance with the instructions for use, the technically perfect fit of the tyre on the rim - as a prerequisite for precise balancing and later dismantling, set to dry quickly to exclude the risk of the tyre wandering on the rim, physiologically harmless and biodegradable, more neutral odor

### Processing instruction

Apply a thin layer to the tyre beads with a brush or sponge, and on **cars, vans, light trucks, trucks, AS and EM tires**, also rub the rim well and the tapered shoulder ring, so the tyre slips easily and without damage to the rim, after the tyre fitting paste has set, a thin separating layer forms between the tyre and the rim, this prevents the tyre from sticking to the rim and at the same time protects the tyre rim from rust and neutralizes any rust spots that are already present.

Version	Contents	Container	Colour	Order no
Tyre mounting paste	5 kg	bucket	white	9245 669 165
Tyre mounting cream	5 kg	bucket	yellow	9245 669 166

### Accessories

Description	Order no
Special paintbrush	9245 669 164



## Marking chalk

Scope of supply  
12 pieces



Colour	Order no
white	9245 669 158
yellow	9245 669 159
blue	9245 669 160

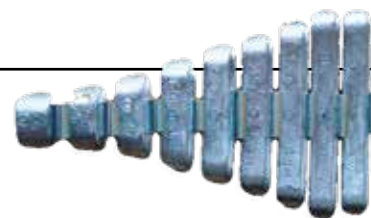


## Balancing weight

Material Lead grammage  
Colour silver

### Application range

for truck tapered bead seat rims



Weight	Packaging unit	Order no
50 g	50 pieces	9245 659 691
75 g	50 pieces	9245 659 692
100 g	50 pieces	9245 659 693
150 g	25 pieces	9245 659 694
200 g	25 pieces	9245 659 695
250 g	25 pieces	9245 659 696
300 g	20 pieces	9245 659 697
350 g	10 pieces	9245 659 698
400 g	10 pieces	9245 659 699

## Balancing weight

Material Lead grammage  
Coating Powder-coated  
Colour grey  
Packaging unit 10 pieces



**Application range**  
for truck alloy rims

Weight	Order no
50 g	9245 670 000
75 g	9245 670 001
100 g	9245 670 002
125 g	9245 670 003
150 g	9245 670 004

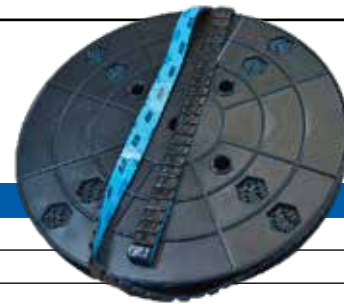
Weight	Order no
175 g	9245 670 005
200 g	9245 670 006
250 g	9245 670 007
300 g	9245 670 008

## Balancing weight

Material Steel grammage  
Coating Zintec

**Scope of supply**  
1 roll 1200 x 5 g

Colour	Order no
grey	9245 626 900
silver	9245 626 901
black	9245 626 903



### Accessories

Description	Order no
Bracket for adhesive weight rolls, with cutting device	9245 626 904

**KUNZER**  
Qualität verbindet

## Adhesive weight remover set

ideal for removing adhesive weights, labels, stickers and type plates

**Scope of supply**  
1 each of blade widths 19, 22, 25 and 38 mm

Version	Order no
4-piece	9539 641 166



**KUNZER**  
Qualität verbindet

## Adhesive weight remover

ideal for removing adhesive weights, labels, stickers and type plates

Blade width 22 mm

Order no
9539 641 166



## Tyre balancing powder

### Quick & Easy

No subsequent balancing corrections, valve inserts too large to clog, no special valve insert required, made of 100 % tempered glass, therefore no breakage, no abrasion, no moisture absorption, no freezing and no sticking together, free of silicate coating, fully recyclable and reusable

**Application range**  
for all tyres

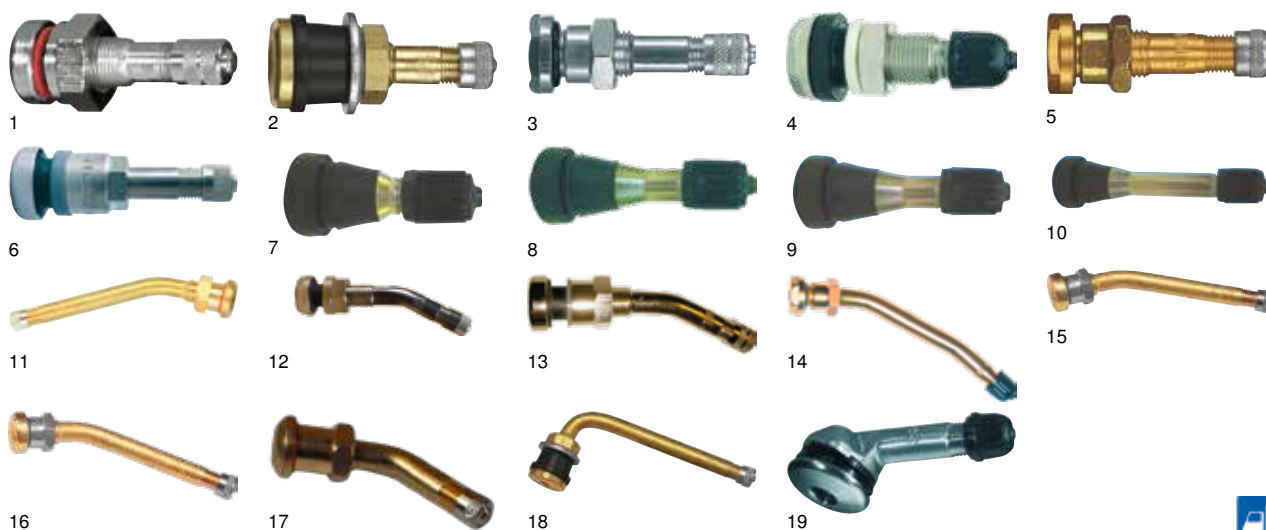
Contents	Container	Order no
8 kg	bucket	9121 015 516



## Tyre balancing powder EQUAL FLEXX



Type	Contents	Container	Order no
W	395 g	bag	9242 366 700
A	340 g	bag	9242 366 701
B	280 g	bag	9242 366 702
C	230 g	bag	9242 366 703
D	170 g	bag	9242 366 704
E	115 g	bag	9242 366 705
F	85 g	bag	9242 366 706



## Metal valve

Version	Length	Hole $\varnothing$	Fig.	Order no
straight	32 mm	9,7 mm	1	9245 622 799
straight	32 mm	16 mm	2	9240 000 460
straight	36 mm	9,7 mm	3	9191 003 694
straight	36 mm	11,3 mm	4	9245 626 580
straight	41 mm	9,7 mm	5	2300 001 005
straight	47 mm	11,3 mm	6	9245 623 330
straight, safety valve	33 mm	11,3 mm	7	9245 631 110
straight, safety valve	43 mm	11,3 mm	8	9245 631 120
straight, safety valve	49 mm	11,3 mm	9	9245 631 130
straight, safety valve	61,5 mm	11,3 mm	10	9245 631 150
angled 27°	25/40 mm	9,7 mm	11	9240 010 693
angled 27°	60 mm	9,7 mm	11	9245 010 681
angled 27°	35,5/28,5 mm	9,7 mm	12	9245 613 099
angled 27°	70 mm	9,7 mm	13	9245 626 690
angled 27°	80 mm	9,7 mm	14	9245 626 960
angled 27°	100 mm	9,7 mm	15	2300 001 028
angled 27°	119 mm	9,7 mm	16	9245 626 867
angled 45°	28 mm	9,7 mm	17	9245 626 880
angled 90°	114 mm	16 mm	18	2300 001 026
angled 110°	35 mm	16 mm	19	9245 626 616



## Rubber valve

**Application range**  
for vans and cars



This figure corresponds to 9245 669 147

Model	Length	Hole $\varnothing$	Scope of supply	Order no
TR 415 EcoLine	35 mm	16 mm	1 piece	9245 669 147
TR 413 EcoLine	34 mm	11,5 mm	100 pieces	9245 669 144
TR 414 Premium	40 mm	11,5 mm	100 pieces	9245 669 146
TR 418 EcoLine	53 mm	11,5 mm	100 pieces	9245 669 145

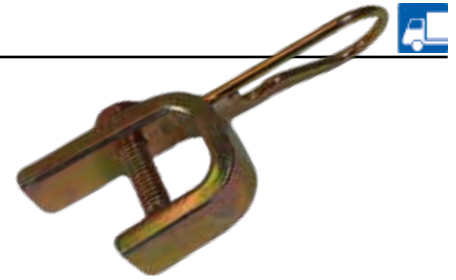
**GEMATIC**  
AUTOMOTIVE

## Fastening for flexible valve extension

Version Fixed

**Application range**  
for trucks

**Scope of supply**  
1 pieces



Order no

9245 669 154



## Valve extension

**Application range**  
For trucks

**Scope of supply**  
1 piece

Version	Length	Fig.	Order no
Rigid plastic	115 mm	1	9245 669 148
Rigid plastic	150 mm	1	9245 669 149
Rigid plastic	170 mm	1	9245 669 150
Fixed	34 mm	2	9245 613 105
Fixed	54 mm	2	9245 624 027
Fixed	100 mm	2	2300 000 936
Fixed	127 mm	2	9245 613 108
Textile	160 mm	3	9245 669 151
Textile	180 mm	3	9245 669 152
Textile	210 mm	3	9245 669 153
Movable, wire-reinforced	125 mm	4	2300 000 942
Movable, wire-reinforced	175 mm	4	2300 000 958
Movable, wire-reinforced	300 mm	4	9245 624 450
Movable, wire-reinforced, with tensioning clamp	250 mm	5	9245 624 144
Movable, wire-reinforced, with tensioning clamp	300 mm	5	9245 624 151



## Valve extension

### Application range

For trucks

### Scope of supply

1 piece

Length	Order no
75 mm	9245 613 100
85 mm	9245 613 101
105 mm	9245 613 102
145 mm	9245 613 103
185 mm	9245 613 104
215 mm	9244 015 714
315 mm	9244 015 715
415 mm	9244 015 716



## Valve spare parts

Description	Fig.	Order no
Valve insert, short	1	9245 010 113
Valve insert, long	2	9240 001 045
Valve cap, plastic, black	3	9245 670 011
Valve cap, plastic, green		9245 613 118
Valve cap, short, nickel plated		9245 010 623
Check valve cap	4	9245 624 302

**GEMATIC**  
AUTOMOTIVE

## Valve screwdriver

with plastic handle, nickel-plated metal parts

Version Standard  
Type VG 8/12  
Length 140 mm  
Width 20 mm  
Height 20 mm



Order no

9245 669 155

## Valve pull-in lever

### For rubber valves

Colour green  
Length 300 mm  
Material plastic



Order no

9245 669 156



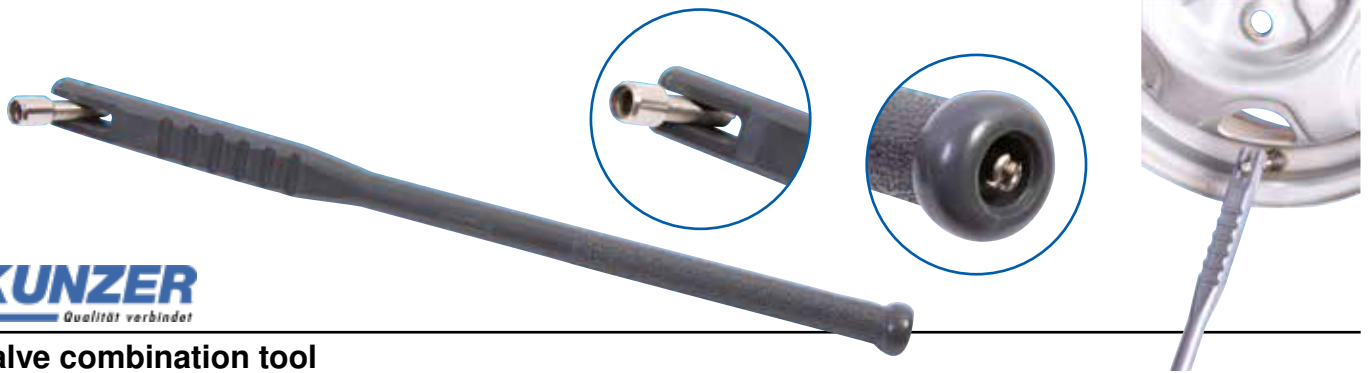
### Valve screwdriver VG 5, Lock Tool

with spring clip which holds the valve inserts tight during screwing and unscrewing



Order no

9245 628 360



**KUNZER**  
Qualität verbindet

### Valve combination tool

Version valve insertion tool and valve core key  
Length 335 mm

Order no

9539 641 167

### Weight grippers

for removing balancing weights, red handle cover

Material steel



Order no

9245 187 801



## Repair body

combines inside and outside repairs to pierced treads in radial and diagonal tyres, mini-combi repair bodies automatically vulcanise in the tyres, the inside of the tyre and the hole channel are repaired in one working step, preventing the penetration of wetness, dirt or stones, which otherwise leads to premature destruction of the casing and the belt



This figure corresponds to 9245 113 041

Type	Application range	Scope of supply	Order no
Minicombi A3	For damages in the tread area up to 3 mm	– 25 repair bodies A3 – 1 HSS cutter $\varnothing$ 3 mm – 2 SPECIAL CEMENT FAST DRY BL 25 g Tube – 1 repair instruction	9245 111 957
Minicombi A4.5	For damages in the tread area up to 4.5 mm	– 20 repair bodies A4.5 – 1 HSS cutter $\varnothing$ 3 mm – 2 SPECIAL CEMENT FAST DRY BL 25 g Tube – 1 repair instruction	9245 113 208
Minicombi A6	For damages in the tread area up to 6 mm	– 20 repair bodies A6 – 1 HSS cutter $\varnothing$ 6 mm – 2 SPECIAL CEMENT FAST DRY BL 25 g Tube – 1 repair instruction	9245 113 041
Minicombi B8	For damages in the tread area up to 8 mm	– 20 repair bodies B8 – 1 HSS cutter $\varnothing$ 8 mm – 2 SPECIAL CEMENT FAST DRY BL 25 g Tube – 1 repair instruction	2300 016 918
Minicombi B10	For damages in the tread area up to 10 mm	– 20 repair bodies B10 with metal pin – 1 repair instruction	9245 113 143

### Accessories

Refill pack

Description	Order no
Minicombi A3	2300 016 912
Minicombi A4.5	9245 113 215
Minicombi A6	2300 016 916
Minicombi B8	2300 016 920



## Repair patch



Model	Length	Width	Packaging unit	Order no
TL 120	80 mm	125 mm	10 pieces	9245 613 128
TL 124	75 mm	200 mm	10 pieces	9245 613 130
TL 125	75 mm	200 mm	10 pieces	9245 613 131
TL 140	100 mm	200 mm	5 pieces	9245 613 133

# TYRE REPAIR MADE EASY



1 Mark with marking chalk (order no. 9245 669 158).



2 Determine the hole size with a pre-cutter (order no. 9503 001 081).



3 Roughen with the rod grinder (order no. 9502 537 401) and vacuum with the compressed air suction gun (order no. 9505 155 090).



4 Now apply the vulcanising agent (order no. 9245 613 119).



5 Now open the repair bodies (order no. 9245 670 013-015).



6 Push through the matching repair body.



Press firmly with the roller (order no. 9245 670 029).



Seal with order no. 9245 613 114.



Cut off the outside. The repair is finished. The tyre can be used again immediately.

(Illustrations similar)





### Special adhesive

Accelerator solution for processing TIP TOP RAD, PN, UP cover plasters, Mini-combi, REMA STEM, SV binding rubber, SEALASTIC, VULC COMPOUND, can be used for self-vulcanisation from 18 °C through to hot vulcanisation up to 150 °C

Non-combustible variants containing CFC available on request.



Contents	Container	Order no
30 g	tube	9245 159 334
225 g	can	9245 159 365
650 g	can	9245 150 389



### Vulcanisation agent italmatic® HD Blue Cement

Colour blue



Contents	Container	Order no
250 ml	can	9245 613 122
1000 ml	can	9245 613 121



### Seal INNERLINER SEALER

for sealing porous inner liners, as a solution for applying to repair spots on the inside of the tyre that have been roughened too much, for sealing the edge of repair spots

Version with brush in lid



Contents	Container	Order no
175 g	can	9245 159 028

#### Accessories

Description	Order no
Lid with brush with metal screw attachment, suitable for 175 g tins	9240 001 034



### Seal italmatic® Repair Sealer

Colour blue



Contents	Container	Order no
250 ml	can	9245 613 114



### Vulcanisation agent italmatic® Fast Dry Cement



Contents	Container	Order no
250 ml	can	9245 613 119



## Tyre repair set

### Sealfix

Temporary tyre repair for use before the tyre is run flat and dirt and water may have entered. Removal of the wheel from the vehicle is not necessary in the process – the tyre is sealed from the outside.

Application: The foreign body is pulled out of the tyre, the location marked and cleaned with the hand rasp. The special adhesive is introduced into the puncture channel using the inserting tool, the tyre is inflated to about 2 bar and the repair string inserted deep into the puncture channel. The inserting tool is then pulled out again and the tyre inflated. The protruding part of the repair string is then simply cut off.

**Version** Driver assortment

#### Scope of supply

5 car/van repair strings, 1 hand rasp, 1 inserting tool, 12 g special adhesive SPECIAL CEMENT BL

#### Safety instruction

The country-specific guidelines and laws must be followed when repairing tyres. For a permanent repair, it is necessary to make the repair from the inside, for instance using the Minicombi repair body.

Sealfix is NOT suitable for side wall repairs. The SPECIAL CEMENT BL special adhesive MUST BE USED with the products!



Order no

9245 101 849

#### Accessories

Description	Order no
Repair body, refill pack for car, 50 pieces	9245 101 801
Repair body, refill pack for truck, 25 pieces	9245 101 863



## Tyre repair set

### Sealfix

**Version** Workshop assortment

#### Scope of supply

25 car/van repair strings, 1 hand rasp, 1 inserting tool, 40 g special adhesive SPECIAL CEMENT BL, 1 chalk, 1 knife

#### Safety instruction

The country-specific guidelines and laws must be followed when repairing tyres. For a permanent repair, it is necessary to make the repair from the inside, for instance using the Minicombi repair body.

Sealfix is NOT suitable for side wall repairs. The SPECIAL CEMENT BL special adhesive MUST BE USED with the products!



Order no

9245 101 832

#### Accessories

Description	Order no
Repair body, refill pack for car, 50 pieces	9245 101 801
Repair body, refill pack for truck, 25 pieces	9245 101 863
Hand rasp, Ø 6 mm	9245 102 240
Inserting tool, length 135 mm	9245 101 818



## Tyre repair set

### Safety Seal Plus Truck

easy and time saving in use, TÜV tested based on ECE R 30, very safe, universal and time saving alternative to classical repairs, no drilling of the puncture channel or roughening of the damaged area needed, after fitting the repaired tyre is immediately ready for use

#### Application range

for the safe and permanent repair of punctures up to  $\varnothing$  9 mm in the tread area of tubeless truck tyres

#### Scope of supply

- 1 x Prep & Primer spray can, 400 ml
- 1 x Liquid Patch, 235 ml
- 30 x Safety Seal repair bodies, 20 cm
- 1 x keyhole saw
- 1 x inside repair tool
- 1 x outside repair tool, 17 cm
- 1 x spare awl, 17 cm
- 1 x Safety Seal Lube
- 1 x disposable knife
- 1 x Allen key

#### Safety instruction

Tyre manufacturer's instructions and country-specific guidelines for repairing air tyres must be observed.



Order no

9245 611 600



## Contour washer

- Bore hole  $\varnothing$  3/8"
- $\varnothing$  65 mm
- Speed, maximum 4500 min<sup>-1</sup>

#### Application range

for the fine processing of rubber surfaces



Order no

9245 954 357

## Milling pin

For machining damaged and loose steel cord in radial tyres



#### Description

Description	Order no
Carbide rotary cutter, 6,0 mm	9245 670 026
Carbide rotary cutter, 8,0 mm	9245 670 025
Carbide rotary cutter, 10,0 mm	9245 670 035

## Scraper

### For rubber repairs

For thorough cleaning of damaged surfaces in combination with the chemical cleaner TECH RUB-O-MATIC



Order no

9245 670 027



## Brass brush

gentle cleaning of the roughened surfaces, removes raw dust in connection with a vacuum extractor



Order no

9245 954 553



## Roller

for bubble-free pressing of repair patches and raw rubber

Version Serrated  
Width 3 mm  
Ø 38 mm



Order no

9245 670 029



## Tyre spreader

### REPMAT

Space-saving design, operating pressure control by hand lever, tyre is rolled up via a removable ladder, comfortable working height

Version Pneumatic  
Operating pressure 10 bar  
Width 800 mm  
Height 500 mm  
Overall height 700 mm

### Application range

for trucks, light trucks and passenger car tyres



Order no

2300 061 013

## Tyre spreader

serves to open the tyre in order to inspect it optimally and to be able to work on it more easily from the inside when repairing a tyre

Version Mechanical

### Application range

For truck tyres



Order no

9245 670 032



## Tyre grooving machine

for recutting truck and bus tyre treads, ergonomically designed handle, four-stage rotary dial regulates performance level, illuminated on/off switch, with EN-connection

Version 4-stage  
Voltage 230 V

Cutting width 3-28 mm, cutting depth 7-12 mm

**Scope of supply**  
without cutter

**Safety instruction**  
For safety reasons, only original EUROPART tread cutters can be used!

**TÜV and CE certified**



Order no

9539 111 905

### Accessories






Description	Order no
Cutting blade set, angle-type, W1, cutting depth, max. 7 mm, cutting width, max. 3-5 mm	9539 111 906
Cutting blade set, angle-type, W2, cutting depth, max. 7 mm, cutting width, max. 5-6 mm	9539 111 907
Cutting blade set, angle-type, W3, cutting depth, max. 10 mm, cutting width, max. 7-10 mm	9539 111 908
Cutting blade set, angle-type, W4, cutting depth, max. 12 mm, cutting width, max. 9-13 mm	9539 111 909
Cutting blade set, angle-type, W5, cutting depth, max. 12 mm, cutting width, max. 11-15 mm	9539 111 910
Cutting blade set, angle-type, W6, cutting depth, max. 12 mm, cutting width, max. 23-28 mm	9539 111 911
Cutting blade set, round shape, R1, cutting depth, max. 7 mm, cutting width, max. 3-5 mm	9539 111 912
Cutting blade set, round shape, R2, cutting depth, max. 7 mm, cutting width, max. 5-8 mm	9539 111 913
Cutting blade set, round shape, R3, cutting depth, max. 10 mm, cutting width, max. 6-15 mm	9539 111 914
Cutting blade set, round shape, R4, cutting depth, max. 12 mm, cutting width, max. 8-16 mm	9539 111 915
Cutting blade set, round shape, R5, cutting depth, max. 12 mm, cutting width, max. 10-18 mm	9539 111 916

## Regrooving tyres is economical and efficient.

The wear and tear of commercial vehicle tyres is a considerable cost factor in today's world, especially in freight forwarding companies. regrooving tyre treads is a more economical and efficient solution that can extend the life of a truck tyre by up to 25 %. Not only does this represent a major saving, but it also protects the environment and ensures companies get a significant increase in performance.

Regroovable truck tyres are marked on the sidewall with the word "regroovable". A good time to regroove tyres and thus extend the running time is when the tyres have worn down to 3 mm. Regrooving can give an additional tread depth of up to 4 mm. It should be noted that a residual base thickness of 2 mm must be maintained (see § 36 explanation 6 StVZO (German Road Traffic Licensing Regulations)). In addition, it is pointed out that this work may only be carried out by competent and trained personnel.

# Wheel safety – Which product for which application?

Product	Movement indicator	Overheating indicator	Cover protection	Wheel nut safety device	Problem definition	Application range
 <p>Checkpoint</p>	✓	✓	✗	✗	<ul style="list-style-type: none"> <li>– Low-cost solution for visual indication of wheel nut movement and overheating problems</li> </ul>	<ul style="list-style-type: none"> <li>– Truck</li> <li>– Bus</li> <li>– Agriculture</li> <li>– Hazardous goods transport</li> <li>– Railway</li> </ul>
 <p>Dustite</p>	✓	✓	✓	✗	<ul style="list-style-type: none"> <li>– Fast, visual detection of wheel nut movement and overheating problems</li> <li>– Wheel nut protection and cover</li> </ul>	<ul style="list-style-type: none"> <li>– Truck</li> <li>– Bus</li> <li>– Agriculture</li> <li>– Hazardous goods transport</li> <li>– Railway</li> </ul>
 <p>Dustite LR</p>	✓	✓	✓	✗	<ul style="list-style-type: none"> <li>– Like Dustite</li> <li>– Only for wheels with protective rings, or if other indicator products cannot be fitted due to the shape of the rim.</li> </ul>	<ul style="list-style-type: none"> <li>– Truck</li> <li>– Bus</li> <li>– Agriculture</li> <li>– Hazardous goods transport</li> <li>– Delivery van</li> <li>– Emergency service</li> <li>– Railway</li> </ul>
 <p>Checklink</p>	✓	✓	✗	✓	<ul style="list-style-type: none"> <li>– Visual indication of wheel nut movement and overheating</li> <li>– Restriction of wheel nut movement, i.e. wheel nut protection</li> <li>– Position retaining function is in the foreground, less the protection by a cover</li> </ul>	<ul style="list-style-type: none"> <li>– Truck</li> <li>– Bus</li> <li>– Agriculture</li> <li>– Hazardous goods transport</li> <li>– Agriculture</li> <li>– Railway</li> </ul>
 <p>Checklock SQ</p>	✗	✗	✗	✓	<ul style="list-style-type: none"> <li>– Wheel nut retention, i.e. prevention of wheel nut movement, is the main focus</li> <li>– Movement indication does not play a primary role</li> <li>– If the overheating function is relevant, please use Checklock in combination with Checkpoint.</li> <li>– Can be used well if visual aspects, such as the complete covering of the wheel, are omitted (e.g. for coaches)</li> </ul>	<ul style="list-style-type: none"> <li>– Truck</li> <li>– Bus</li> <li>– Agriculture</li> <li>– Hazardous goods transport</li> <li>– Railway</li> </ul>

3 Wheel and tyre technology



## Wheel nut safety device Safewheel®

A safety solution that offers a position holding function in one job step and reduces the likelihood of a wheel nut moving.

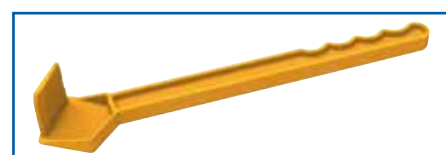


Number of wheel bolts	Spanner size	Hole circle Ø	Order no
6	24 mm	245 mm	9245 660 341
6	27 mm	205 mm	9245 660 342
6	27 mm	245 mm	9245 660 343
8	30 mm	275 mm	9245 660 346
8	32/33 mm	275 mm	9245 660 347
10	30 mm	335 mm	9245 660 344
10	32/33 mm	335 mm	9245 660 340



### Accessories

Description	Order no
Puller	9245 660 045





## Wheel nut indicator

### Checkpoint®

Indicators for loose wheel nuts, are attached by being pushed onto the wheel nuts making simple control possible. A clearly visible change in alignment indicates a loosened wheel nut. The spanner size is embossed on the outside of the Checkpoint for easier assignment.

Packaging unit 100

*Further colours and sizes can be found in the EWOS.*



Spanner size	Order no
24 mm	9245 660 101
27 mm	9245 660 102
30 mm	9245 660 103
32 mm	9245 660 100
33 mm	9245 660 104



## Wheel nut indicator

### Dustite®

Indicators for loose wheel nuts, are attached by being pushed onto the wheel nuts making simple control possible. A clearly visible change in alignment indicates a loosened wheel nut, combined with a wheel nut dust protection cap

#### Application range

Rims without wheel cover

Spanner size	Order no yellow	Order no red	Order no black	Order no blue	Order no orange	Order no silver grey	Order no green
24 mm	9245 660 142	9245 660 205					
27 mm	9245 660 111	9245 660 206	9245 660 159			9245 660 092	
30 mm	9245 660 131	9245 660 120	9245 660 180				
32 mm	9245 660 113		9245 660 115	9245 660 301	9245 660 152	9245 660 165	9245 660 135
33 mm	9245 660 114	9245 660 121	9245 660 143	9245 660 302	9245 660 151	9245 660 158	

#### Accessories

Description	Order no
Puller	9245 660 326





## Wheel nut indicator Dustite LR®

Indicators for loose wheel nuts, are attached by being pushed onto the wheel nuts making simple control possible. A clearly visible change in alignment indicates a loosened wheel nut. The pointer is attached at the top on the dust protection cap.

### Application range

Rims with ornamental wheel caps

Spanner size	Order no yellow	Order no red	Order no black	Order no blue	Order no orange	Order no grey	Order no dark green	Order no green
19 mm	9245 660 136	9245 660 156						
21 mm	9245 660 093							
22 mm	9245 660 137							
24 mm	9245 660 129	9245 660 127						
27 mm	9245 660 134	9245 660 128						
30 mm	9245 660 117	9245 660 161						
32 mm	9245 660 118	9245 660 125	9245 660 140	9245 660 150	9245 660 126	9245 660 154	9245 660 130	9245 660 303
33 mm	9245 660 119	9245 660 145	9245 660 144		9245 660 153	9245 660 162		

### Accessories

Description	Order no
Puller	9245 660 326



## Security connection Checklink®

By linking one wheel nut to the next, this ensures that a loose wheel nut will not spin off from the wheel stud, it is not a wheel nut clamp - it simply holds onto a loose nut, distortion of the checklink indicates that a wheel nut is loose.

Packaging unit 50 pieces



Spanner size	Colour	Order no
21 mm	yellow	9245 660 108
24 mm	yellow	9245 660 173
27 mm	yellow	9245 660 112
30 mm	yellow	9245 660 122
32 mm	yellow	9245 660 123
32 mm	red	9245 660 171
32 mm	blue	9245 660 095
33 mm	yellow	9245 660 124
33 mm	red	9245 660 172



## Wheel nut safety device

### Checklock SQ®

helps to hold two adjacent wheel nuts in position, its coil-similar design reduces the probability of a loosening the nuts

Number of wheel bolts 10  
Hole circle Ø 335 mm

With TÜV certification

Spanner size	Colour	Fig.	Order no
30 mm	blue	1	9245 660 334
32 mm	yellow	2	9245 660 332
33 mm	red	3	9245 660 333

Further colours and sizes can be found in the EWOS.



#### Accessories

Description	Order no
Applicator, 90° bent	9245 660 325



## Thread tester

### Checkthread®

for checking the wheel bolt quality and integrity of the stud hole, indicates worn-out, over-stretched or damaged wheel bolts and thus reduces any potential accident risk

#### Scope of supply

- Screw thread tester: Draws attention quickly to potential problems with the bolt thread which are not always identifiable with the unaided eye in a visual inspection. Thread size M22, of high-quality, corrosion resistant, stainless steel
- Stud hole tester: Checks whether the stud hole is worn-out. For testing the stud holes in 21, 24, 26, 31, 32, 33 mm, of glass-fibre-reinforced nylon

Order no
9245 660 327



## Cleaning set

### Wheel hub and bolt cleaner

Removes rust, corrosion and dirt quickly and effectively

Suitable for M22, M20, M18



Version	Order no
5-piece	9245 660 166



## Wheel nut safety device

### Disc-Lock™

Vibration-resistant wheel nut to prevent wheel loss on trucks, trailers and buses with stud-mounted wheel fasteners.



Size	Order no
M18	9245 660 167
M20	9245 660 168
M22	9245 660 169
Scania	9245 660 170



## Wheel nut safety device

when correctly installed, prevents wheel nuts from coming loose, thereby avoiding loss of a wheel and hence the potential risk of a serious accident

TÜV report in accordance with § 19.2 available, certification not required.

Rim size	Distance betw. holes	Spanner size	Hole circle	Wheel nut safety device	
				Order no	Striking tool Order no
17,5"	104 mm	24-27 mm	6 x 205 mm	9050 060 162	5050 060 163
17,5/19,5"	70 mm	30-33 mm	6 x 245 mm	5050 060 162	5050 060 161
22,5/19,5"	104 mm	30-33 mm	10 x 335 mm	5050 060 158	5050 060 159

### Accessories

Description	Order no
Dismantling tool for Rollock	5050 060 166
Soft-head hammer for Rollock mounting, plastic	5050 060 165



100



104



**EURO PART**

Klimawartung ausgeführt bei: / AC service done at/on:

km-Stand / mileage:  Datum / date:

Kältemittel / refrigerant:  Menge / quantity:

Unser technischer Service für Sie: / Our technical support: +49 2331 3564 641431

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110



111



106



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## Air-conditioning technology

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## Air-conditioning service unit

automatic leak detection, measurement of refrigerant equipped with electronic scale, timer controlled oil injection, automatic maintenance control (database) or manual maintenance control available, report on SD card, printout report on service performed (optional), blue LCD display 4 x 20, backlit with good readability, control database and services performed by SD card, filling accuracy +/- 15 g, single stage vacuum pump 100 l/min, scale interlock, multilingual software, thermal printer (optional), two manual valves for service hoses

Tank contents 10 kg

Vacuum pump pressure: 100 l/m, single stage

Final pressure: 0.05 mbar

### Application range

trucks, passenger cars, agricultural vehicles

### Scope of supply

truck, passenger car and agri vehicle database on SD card, manual on CD

This figure corresponds to 9539 111 134

Version	Weight	Order no
pre-equipped for refrigerant R134a	119 kg	9539 111 134
pre-equipped for refrigerant R1234yf	109 kg	9539 111 234



## Air-conditioning service unit KOMFORT 760 2 GAS READY TOUCH

Menu-guided and fully automated operation of air conditioning system service, automatic leak detection, refrigerant measuring with electronic scale, patented protection system against contamination of oils ATB (Air Tight Bottle), automatic oil control with electronic scales, automatic maintenance control (database) or manual maintenance control available, measurement of extracted oil quantity with electronic scale, safety system FPS (Fan Protection System), internal flush when changing refrigerant, internal flush when changing oil type, report on SD-card, print report of performed service, TFT-colour display with good readability, database and performed services control via SD-card, filling accuracy +/- 15 g, high refrigerant recovery (over 95 %), double-stage vacuum pump, automatic oil container recognition (patented), scale lock, multilingual software, automatic maintenance control, simplified maintenance, automatic control of non-condensable gases, thermal printer, flush kit (optional), refrigerant analysis kit (optional), air conditioning system efficiency control kit (optional), high-precision automatic oil injection, air conditioning system self-diagnostics (optional)

Tank contents 20 kg

Pressure vacuum pump: 100 l/min, two-stage

Final pressure: 0.03 mbar

### Application range

Trucks, passenger cars, hybrid vehicles, agri vehicles

### Scope of supply

Truck, passenger car, and agri vehicle database on SD-card, electronic container recognition, cover hood, manual on CD



Description	Order no
pre-equipped for refrigerant R134a	9539 004 103
pre-equipped for refrigerant R134a	9539 004 104



## Air-conditioning service unit KONFORT 760 BUS 2 GAS READY

10 inch color multi-touch screen, intuitive and large graphic interface, control of the DATABASE and storage of the services carried out via USB stick, two-stage vacuum pump, hermetically sealed oil containers against contamination, high-precision automatic oil injection, automatic recognition of the oil container, automatic accuracy control of the refrigerant measurement, scale lock, fully automatic Air conditioning service, three operating modes (database, manual operating mode, my database), multilingual software version, automatic compensation of the length of the service hoses, automatic maintenance notification, simplified maintenance, automatic condensate drainage

Version prepared for **refrigerant R1234yf**

Tank contents 30 kg

Filling accuracy +/- 15 gr

### Scope of supply

PAG oil container, UV container, waste oil container, cover hood, power cord, operating instructions, USB stick



Order no

9539 004 106

4

Air-conditioning technology

# ROBINAIR



## Air-conditioning service unit Robinair AC790PRO

Automatic service sequence, individually manually selectable service steps, fast and deep vacuum (vacuum pump 283 l/min), large oil container (2000 ml), large internal container (35 kg), long service hose (5 m), liquid pump for filling refrigerant, integrated database for cars and commercial vehicles, optional with integrated flushing programme, multi-phase refrigerant recycling in the vacuum phase, integrated guided performance test for the air conditioning system, automatic discharge of non-condensable gas, easy maintenance of the internal filter, easily accessible vacuum pump for easy oil change, integrated printer

Version For refrigerant R134a

Tank contents 35 kg

Weight 165 kg

Vacuum pump pressure: 283 l/min, two-stage

Final pressure: 0.03 mbar



Order no

9539 133 027



## Air-conditioning service unit KONFORT 780 TOUCH BI-GAS

10 inch color multi-touch display with advanced graphics, backup of service reports and the system via USB, as well as the possibility of importing updates, 2 tanks, two-stage vacuum pump, hermetically sealed oil containers against contamination, high-precision automatic oil injection, automatic recognition of the oil container, automatic accuracy control the refrigerant measurement, scale locking, fully automatic air conditioning service, three operating modes (database, manual operating mode, my database), multilingual software version, automatic compensation of the length of the service hoses, automatic maintenance message, simplified maintenance, automatic condensate drainage

Version **for refrigerants R134a and R1234yf**

Tank contents 2 x 12 kg

Filling accuracy +/- 15 g

### Scope of supply

PAG oil container, thermal printer, UV container, waste oil container, cover, power cord, operating instructions, USB stick

**without analyzer**

Order no

9539 004 108



Illustration also shows optional accessories



## Air-conditioning service unit Konfort 744

Menu-guided and fully automated sequence of air conditioning service, automatic leak detection, measurement of refrigerant with electronic scales, patented protection system against contamination of oils ATB (Air Tight Bottle), automatic oil control with electronic scales, measurement of extracted oil quantity with electronic scales, automatic maintenance control (database) or manual maintenance control available, internal flushing when changing oil type, report on SD card, printout of the report on the service carried out, TFT colour display with good readability, double stage vacuum pump, patented automatic oil tank detection, scale interlock, multilingual software, automatic compensation of the service hoses, automatic maintenance control, simplified maintenance, highly accurate automatic oil injection, automatic measurement via drained refrigerant, automatic control of the CO<sub>2</sub> concentration in the atmosphere

Version Refrigerant CO<sub>2</sub>  
Weight 98 kg

Vacuum pump pressure: 100 l/min, two-stage  
Filling precision +/- 10 g  
2.5 m service hoses

### Application range

Hybrid vehicles, cars, buses and trucks (with appropriate refrigerant)

### Scope of supply

Graphic printer, SD card, electronic oil container recognition, cover, manual

Approved for Mercedes-Benz

Order no

9539 004 084



## Evacuation station CR 650 EC

for extracting all refrigerant Class A1 safety refrigerants (no combustible gases), extremely high-performance, oil-less 3/4-PS-compressor, easy self-cleaning of the device, able to keep working with another refrigerant, dry rotors are not suitable for transporting refrigerants without oil (new refrigerant)

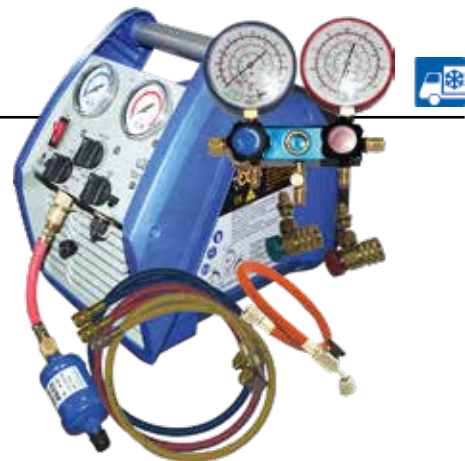
Version with cleaning function

### Application range

suitable for all safety refrigerants

### Scope of supply

- hoses: 1 x blue, 2 x red (1.5 m with ball valve), 1 x yellow (1.8 m)
- R134a motor vehicle quick couplings
- 2-valve test armature to distribute and check the pressures, type M2W



Order no

9682 220 619



## Filling and vacuum station

powerful vacuum pump that can generate a very deep vacuum at 70 l/min and two working levels (final vacuum 0.02 mbar), analogue vacuum meter to check the vacuum pressure, sturdy electronic scales, type CC 600, 80 kg weighing capacity, 9V block battery with programmable fill weight and solenoid valve to control the fill level, including filling hose in an easily transportable frame

Suitable for refrigerant Class A1 and A2  
 Voltage 230 V  
 Power consumption 920 W  
 Pressure, max. 45 bar  
 Operating temperature 5-40 °C

### Application range

ideal for mobile and stationary use

### Scope of supply

scales, display unit, vacuum pump, transport frame, pressure gauge (low pressure, very low pressure, vacuum), 2 filling hoses in red and blue (length 180 cm each)



Order no

9682 220 611



## Identification device

checks if pure refrigerant is present



Model	Application range	Order no
MINI-ID134a	for R134a	9682 220 607
MINI-ID1234yf	for R1234yf	9682 220 608



## Pressure testing device

measures whether the air conditioning system is filled (on the low pressure side), high-grade exterior housing with impact protection, touch-proof coating, displays refrigerant pressure for a long period of time

Display range PSI 0-200

### Application range

For quick diagnosis in direct acceptance



### Suitable for

R134a

R1234yf

Order no

9682 220 641

9682 220 609

4

Air-conditioning technology



## Starter set Air-conditioning Service

with all important aids for professional air conditioning service

### Scope of supply

O-ring set, PAG 46, solar thermometer, protective gloves, UV-glasses, UV-lamp, UV leak detection additive, full protective eyewear, air conditioning service sticker



Order no

9682 220 693



## Service cap set

### for R134a

### Scope of supply

- 4 x black high pressure M10 x P1, inner  $\varnothing$  17 mm, height 23 mm
- 4 x black low pressure M8 x P1.0, inner  $\varnothing$  13.5 mm, height 22 mm
- 4 x black corrugated SAE 1/4", inner  $\varnothing$  9.8 mm, height 13.6 mm
- 4 x black hexagon SAE 1/4", inner  $\varnothing$  9.8 mm, height 13.4 mm
- 4 x red high pressure M10 x P1, inner  $\varnothing$  17 mm, height 23 mm
- 4 x blue low pressure M8 x P1.0, inner  $\varnothing$  13.5 mm, height 22 mm
- 4 x blue high pressure, M10 x P1.25, inner  $\varnothing$  15.5 mm, height 9.5 mm
- 4 x blue low pressure, M9 x P1.0, inner  $\varnothing$  13 mm, height 11 mm
- 3 x standard red high pressure, M8 x P1.0, inner  $\varnothing$  17 mm, height 20 mm
- 2 x standard blue low pressure, M8 x P1.0, inner  $\varnothing$  13.5 mm, height 20 mm
- 2 x black high pressure, M10 x P0.75, inner  $\varnothing$  16.5 mm, height 22.5 mm
- 2 x black low pressure, M8 x P1.0, inner  $\varnothing$  14 mm, height 21 mm
- 2 x black, 3/8", inner  $\varnothing$  8.9 mm, height 13.6 mm
- 3 x black high pressure, M8 x P1.0, inner  $\varnothing$  17 mm, height 20 mm
- 3 x black low pressure, M8 x P1.0, inner  $\varnothing$  13.5 mm, height 20 mm
- 2 x red high pressure, 10TX17F, inner  $\varnothing$  17 mm, height 20 mm
- 2 x blue low pressure, M9 x P1, inner  $\varnothing$  13.5 mm, height 19 mm
- 2 x black, 1/2" ACME, inner  $\varnothing$  11 mm, height 16.4 mm



Order no

9682 220 826



### Air-conditioning service sticker

Version German/English  
 Dimensions 35 X 55 mm

**Scope of supply**  
 105 piece



Order no

9539 004 067

Air-conditioning technology



### Leak detector LS 4000, for refrigerant and forming gas

Automatic electronic leakage detector, with flexible sensor, 40 cm long, electrical pump, certified according to DIN EN14624

Dimensions 172 x 66 x 56 mm

**Application range**

Measures all safety refrigerants such as R134a, R1234yf, R404, R407c etc., and forming gas (5 % H<sub>2</sub>, 95 % N<sub>2</sub>), extremely high accuracy up to 3 g/year, reacts to considerably less foreign gases because of the integrated feed pump



Order no

9682 220 743



### Leak testing equipment

High-precision pressure test on the high-pressure and low-pressure side, with integrated printer for generating a test report, documentation security thanks to real-time clock (time and date cannot be changed), leak test with nitrogen and without contrast medium, leak detection with forming gas, digital display easy and accurate to read, mobile use thanks to integrated rechargeable battery, logged pressure test from min. 10 min. to max. 24 hrs.

Display 0.01 bar  
 Measuring accuracy 0.5

**Application range**

For simple and safe leakage pressure testing and leakage location on current air conditioning/refrigeration systems with the refrigerants R1234yf and R134a

**Scope of supply**

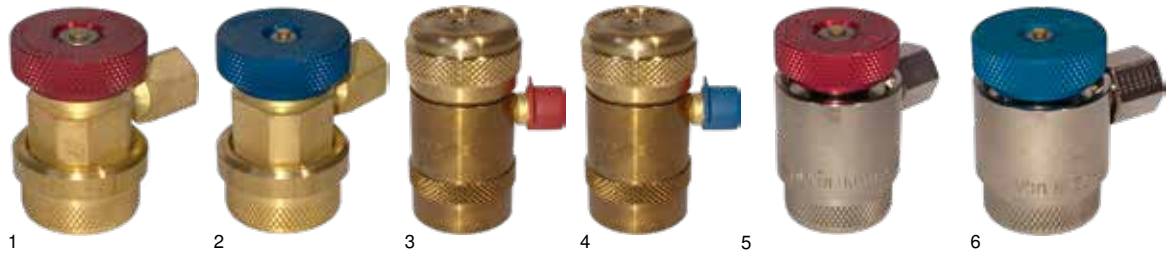
with case



Order no

9682 220 550

TEXA



## Fast-action coupling

Version	Suitable for	Fig.	Order no
High pressure	R134a	1	3002 420 398
Low pressure	R134a	2	3002 420 464
High pressure	CO <sub>2</sub>	3	9539 003 118
Low pressure	CO <sub>2</sub>	4	9539 003 117
High pressure	R1234yf	5	9539 003 116
Low pressure	R1234yf	6	9539 003 115

### Accessories

Description	Order no
Adapter, 1/4 M to 14 mm M	9682 220 704

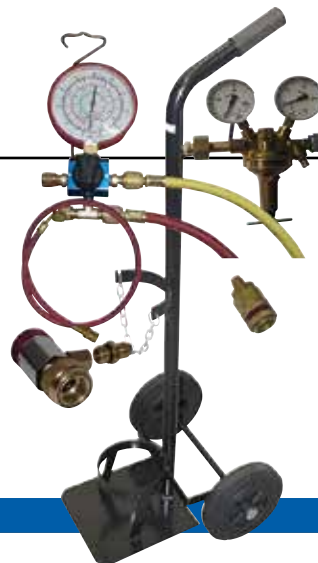


## Starter set for forming gas

Suitable for R134a and R1234yf

### Scope of supply

Cylinder cart for 10 l, pressure reducer 0-20 bar with hoses, additional pressure gauge, HP-coupling adapter for R134a, R1234yf and transport refrigeration



Order no

9682 220 666



## Disinfection device

### AIR2SAN

Ensures the elimination of any bacteria or viruses (including coronaviruses), guarantees correct air quality by converting ozone into oxygen before the vehicle is handed over, protects drivers and workshop personnel, can be operated independently or in combination with a TEXA diagnostic system, operation from outside the vehicle via remote control, free app or the IDC5

- Fully automatic process
- Activated carbon filter and O<sub>2</sub> catalyst
- Standard with ozone, temperature and humidity sensors
- Conversion of O<sub>3</sub>-O<sub>2</sub> at the end of the process
- Compatibility with AXONE Nemo
- Printable service report

Voltage 12 V  
 Power 100 W  
 Air volume flow 210 m<sup>3</sup>/h  
 Dimensions 335 x 182 x 208 mm

Power supply 12 V (cigarette lighter), 120-240 V (optional)

#### Application range

For the disinfection of vehicle interiors and workplaces



Order no

9539 003 125

#### Accessories

Description	Order no
Filter set	9539 003 126
Trolley	9539 003 127
Power adapter	9539 003 128



## Ozone purifier

### OZON151

Removes odours in the passenger compartment and kills bacteria

Conversion ozone: 4000 mg/h  
 power consumption: 40 W

#### Scope of supply

DC 12 V for cigarette lighters and power supply unit 230 V AC

Use two in buses



Order no

9682 220 728



## Recycling tank

for purchase, without deposit

Version Y-valve

### Application range

for filling with (mixed) refrigerant(s)

Volume	Order no
12 l	9682 220 648
40 l	9682 220 651



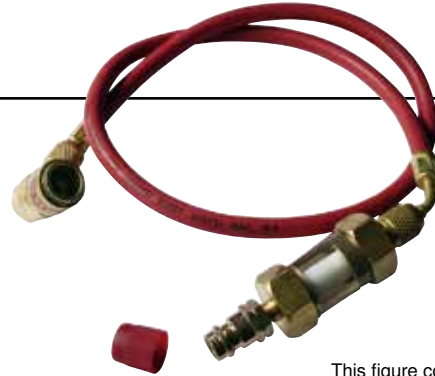
4

Air-conditioning technology



## Protective filter

protects the air conditioner service station from contamination from, e.g. UV-leak seeking agents (these build crystals when in contact with air for longer periods), swarf and sealants



This figure corresponds to 9682 220 779

Suitable for	Order no
R134a	9682 220 779
R1234yf	9682 220 777



### Air cooler

With wheels for easy transport, no installation necessary, environmentally friendly

Voltage 220 V  
Frequency 50 Hz

**Application range**  
for the workshop



Model	Energy consumption	Air volume flow	Container volume	Width x height x depth	Fig.	Order no
BC 80 Master	330 W	8000 m <sup>3</sup> /h	100 l	850 x 1410 x 500 mm	1	9539 131 860
BC 120 Master	450 W	12000 m <sup>3</sup> /h	80 l	925 x 1430 x 580 mm	2	9539 131 862
BC 220 Master	750 W	22000 m <sup>3</sup> /h	120 l	1130 x 1640 x 6590 mm	3	9539 131 864



### Room air conditioner

#### MKT 255 Eco S-Line

4 castors, flexible exhaust hose can be used anywhere, the following functions are electronically controlled:

- High cooling capacity
- Immediately ready for use
- Digital display of temperature and timer time
- Programmable timer function for switch on/off time
- Environmentally friendly refrigerant R290
- Removable air filter
- 3 pre-set ventilator stages to choose from
- With infrared remote control as standard
- Storage compartment for remote control
- Automatic condensation draining
- LED operating mode display

Air volume flow 325 m<sup>3</sup>/h  
Dehumidifying capacity, max. 2.5 l/h  
Cooling capacity 2.6 kW  
Voltage 230 V  
Power consumption, max. 1,0 kW  
Energy efficiency class A  
Length of exhaust hose 1.5 m  
Colour silver  
Width x height x depth 745 x 455 x 395 mm

Sound pressure level per stage: 49/50/51 dB(A) (distance)

**Application range**  
for closed interior rooms



Order no

9910 211 172



## Electric heater

### Master B 9

Includes room thermostat, no oxygen consumption, odourless (no exhaust fumes, no condensation), winter-summer switch (ventilation mode), quiet operation, automatic reset, motor with heat protection, heating elements made of stainless steel, overheating thermostat, adjustable heat, robust and durable steel construction

Power	4,5/9,0 kW
Air capacity	800 m <sup>3</sup> /h
Power connection	400/50 V/Hz
Mains voltage	400 V
Current consumption	13 A
Protection class	IP24
Length x width x height	340 x 420 x 440 mm



Order no  
9561 000 243



## Gas heater

### BLP 33M

Manual ignition, electrovalve, safety gas valve with thermocouple, superheat thermostat, adjustable heat, easy maintenance, dual voltage available

Frequency	50 Hz
Mains voltage	220-240 V
Air capacity	1000 m <sup>3</sup> /h
Rated current	0,26 A
Power	0,06 W
Length x width x height	552 x 220 x 342 mm

#### Scope of supply

Regulator and gas hose



Order no  
9561 000 244



## Infrared oil radiant heaters

### DC 61

Battery or mains supply, low noise level, radiant heating, no air movement, electronic flame control with photocell, follow-up time, standard oil level indicator, connection for room thermostat analogue or digital, intake filter and inlet filter, snorkel, superheat thermostat, tilt safety switch

Heating power	17 kW
Power	0,2 W
Frequency	50-60 Hz
Tank contents	11 l
Rated current	1 A
Length x width x height	560 x 345 x 575 mm

#### Scope of supply

Power supply adapter for 110 V to 220 AC



Order no  
9539 131 863



## Washing and cleaning technology

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# KÄRCHER

## Cold water high-pressure cleaner

Removes solid dirt through pressure and high flow rate

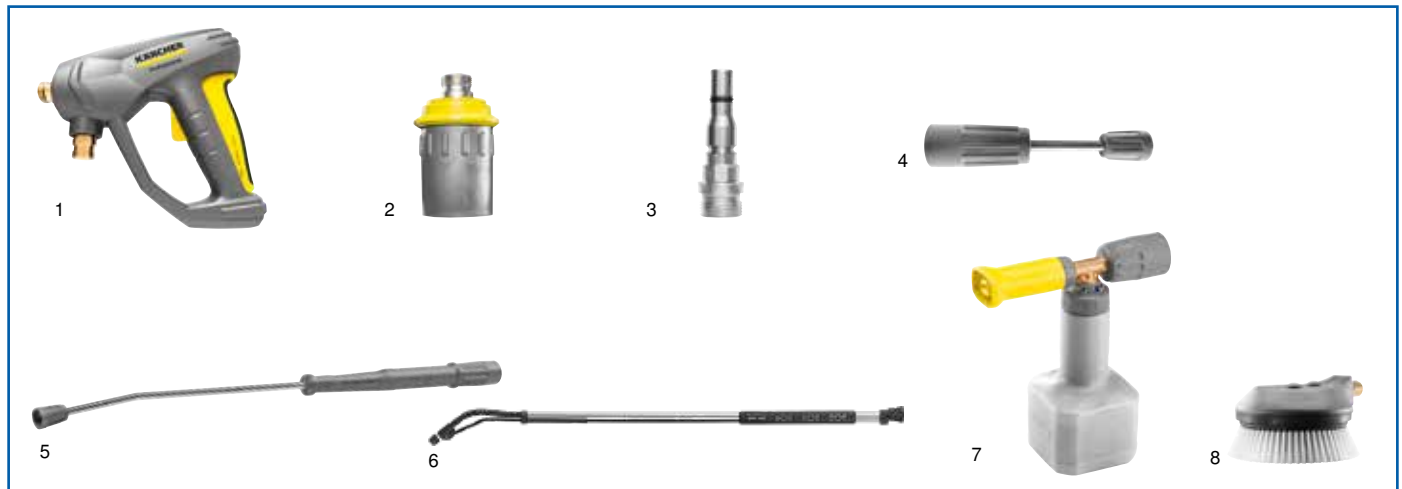
### Application range

For cleaning large areas such as yards and workshops



Description	HD 5 /15 CX Plus + FR Classic	HD 7 /17 M Plus
Output	500 l/h	700 l/h
Pressure, max.	200 bar	255 bar
Working pressure	150 bar	170 bar
Integrated HD hose reel	■	–
Servo Control	–	□
Dirt cutter	■	■
Manual spray gun EASY!Force	■	■
High-pressure nozzle	3-fold nozzle	3-fold nozzle
Hose length	15 m	10 m
<b>Order no</b>	<b>9563 913 429</b>	<b>9539 952 060</b>

■ compatible, – not compatible, □ optional accessories



### Accessories

for cold water high pressure cleaners

Order no	Description	Fig.	HD 4/11 C Bp Pack	HD 5/15 CX Plus + FR Classic	HD 6/15 MXA Plus	HD 7/17 M Plus
9563 913 425	High-pressure spraying pistol EASY!Force	1	■	■	■	■
9539 952 100	Fast-action coupling, suitable for Interface gun, jet tube	2	■	■	■	■
9539 952 101	Plug nipple for quick coupling	3	■	■	■	■
9539 952 102	Jet pipe, 250 mm, rotating	4	■	■	■	■
9563 913 424	Jet pipe, 1050 mm, rotating	5	■	■	■	■
9539 952 012	Jet pipe, 1050 mm, flexible, bending radius 20° - 140°	6	■	■	■	■
9539 952 152	Cup foam lance Basic 1	7	■	■	■	■
9539 952 066	Washing brush, rotating, Nylon bristles	8	■	■	■	■

■ compatible, – not compatible



HDS 8/18-4 C



HDS 8/18-4 CX



HDS 12/18-4 S



HDS 12/18-4 SX

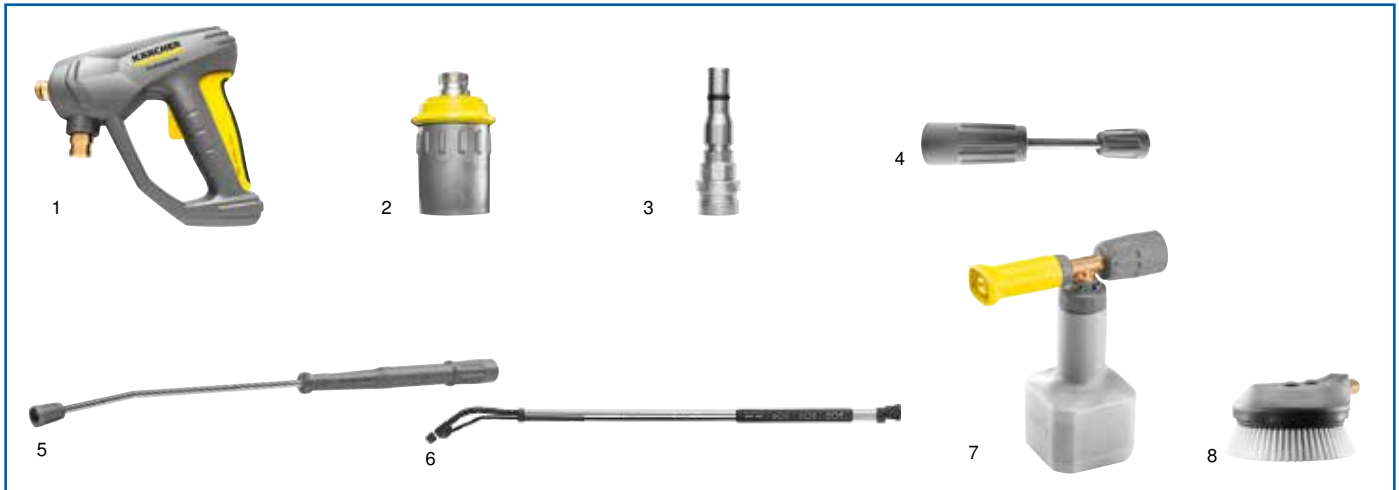
# KÄRCHER

## Hot water high-pressure cleaner

Reduction of working pressure, time and amount of cleaning agent due to high water temperature (12 to 155 °C), high ease of use, constant pressure

Description	HDS 8/18-4 C	HDS 8/18-4 CX	HDS 12/18-4 S	HDS 12/18-4 SX
Output	300-800 l/h	300-800 l/h	600-1200 l/h	600-1200 l/h
Working pressure	30-180 bar	30-180 bar	30-180 bar	30-180 bar
Chassis with integrated fuel and detergent tank	■	■	■	■
Steam stage	■	■	■	■
Integrated hose reel	-	■	-	■
Soft damping system (SDS)	■	■	■	■
4-pole motor (low-speed)	■	■	■	■
Servo Control	■	■	■	■
Manual spray gun EASY!Force	■	■	■	■
Exhaust gas temperature limiter	■	■	■	■
Jet pipe, rotatable	■	■	■	■
High-pressure nozzle	Power nozzle	Power nozzle	Power nozzle	Power nozzle
Pole reversing plug (3 phases)	■	■	■	■
Scaling protection	■	■	■	■
Dry-running protection	■	■	■	■
Hose length	10 m	15 m	10 m	20 m
Order no	9509 528 184	9505 802 644	9562 012 184	9510 719 250

■ compatible, - not compatible



**Accessories**

for hot water pressure washers

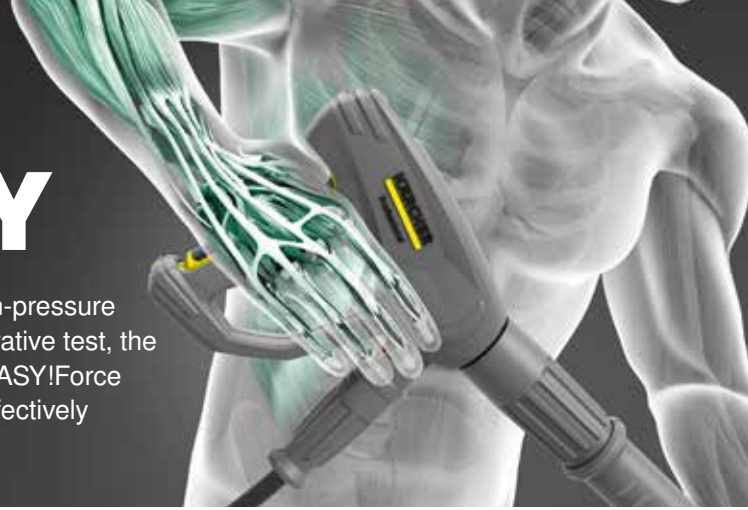
Order no	Description	Fig.	Hot water, combustion		Hot water, electric		
			HDS 8/18-4 C	HDS 8/18-4 CX	HDS 12/18-4 S	HDS 12/18-4 SX	HDS-E 8/16-4 M
9563 913 425	High-pressure spraying pistol EASY!Force	1	■	■	■	■	■
9539 952 100	Fast-action coupling, suitable for Interface gun, jet tube	2	■	■	■	■	■
9539 952 101	Plug nipple for quick coupling	3	■	■	■	■	■
9539 952 102	Jet pipe, 250 mm, rotating	4	■	■	■	■	■
9563 913 424	Jet pipe, 1050 mm, rotating	5	■	■	■	■	■
9539 952 012	Jet pipe, 1050 mm, flexible, bending radius 20° - 140°	6	■	■	■	■	■
9539 952 065	Cup foam lance Basic 2	7	■	■	-	-	■
9539 952 103	Cup foam lance Basic 3	7	-	-	■	■	-
9539 952 066	Washing brush, rotating, Nylon bristles	8	■	■	-	-	■
9562 411 320	Washing brush, rotating, Nylon bristles	8	-	-	■	■	-

■ compatible, - not compatible



# TAKE IT EASY

Zero holding force. No fatigue. No stress. The EASY!Force high-pressure gun is easy on joints, muscles and the entire body. In a comparative test, the EASY!Force convinced all users, men and women alike. The EASY!Force high-pressure gun relieves you and allows you to work more effectively without tiring.



## EASY!Lock quick-release fasteners



### Quick comfort

Connection - literally - in the blink of an eye (360°) and at all interfaces. Whether for set-up times or changing special accessories, such as surface cleaners or washing brushes: up to 5 times faster and more convenient.



### Safe robustness

A specially developed cone ensures self-locking of the thread. Proven threaded connection without wear parts, insensitive to dirt and with high reliability.



### Intuitive operation

The connection principle is intuitive and easy to understand; it works identically at all 4 connection points. In contrast to conventional quick couplings, the EASY!Lock system does not require any additional weight.



### Uncompromising quality

Instead of using an axial O-ring seal on the jet pipe, the EASY!Lock system uses a radial seal. This procedure increases the durability of the O-rings and effectively prevents their potential loss.

### Embossed number

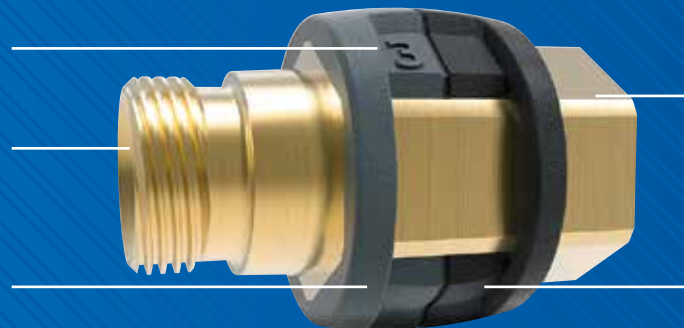
Each adapter has its own number. Unique and unmistakable.

### EASY!Lock connection

4-start trapezoidal thread with cone lock.

### Anthracite = EASY!Lock

Colour coding for the EASY!Lock connection



### Thread side M22 x 1.5

Metric thread for accessories without EASY!Lock

### Black = threaded side M22 x 1.5

Colour coding for conventional threaded connection



Adapter for connecting high-pressure cleaners/high-pressure spray guns with M22 x 1.5 connection and high-pressure hoses with EASY!Lock

order no. 9563 913 422



Adapter for connecting high-pressure spray guns with M22 x 1.5 connection and blast pipes or servo-control regulators with EASY!Lock

order no. 2300 056 616



Adapter for connecting high pressure hoses with M22 x 1.5 and the EASY!Force high pressure spray gun

order no. 9563 913 435



Adapter for connecting blasting hoses with EASY!Lock and nozzles with M18 x 1.5 connection

order no. 9563 913 430

You can also find the right adapters for your tools and accessories in the digital adapter finder:  
[www.kaercher.com/adapterfinder-easylock](http://www.kaercher.com/adapterfinder-easylock)





### Washing brush with water flow, goes easy on paintwork

Material black, foamed polypropylene

**Application range**  
extremely suitable for large surfaces



Version	Length	Width	Order no
	360 mm	100 mm	9014 000 015
with rubber edge	260 mm	100 mm	9014 000 010
with rubber edge	270 mm	165 mm	9014 000 145



This figure corresponds to 9014 000 085

### Washing brush handle

With insulated, ergonomic handle and water flow



Length	Description	Version	∅	Order no
1060-1600 mm	Can be telescoped	With click coupling	32 mm	9500 297 152
1060-1600 mm	Can be telescoped		32 mm	9014 000 004
1080-1600 mm	Can be telescoped	With Q coupling	32 mm	9507 910 003
1565 mm	Fixed		31 mm	9014 000 075
1575-2780 mm	Can be telescoped		32 mm	9014 000 090
1600-2780 mm	Can be telescoped		31 mm	9014 000 085
1600-2780 mm	Can be telescoped	With Q coupling	31 mm	9014 000 105
1600-2780 mm	Can be telescoped	With click coupling	31 mm	9014 000 150



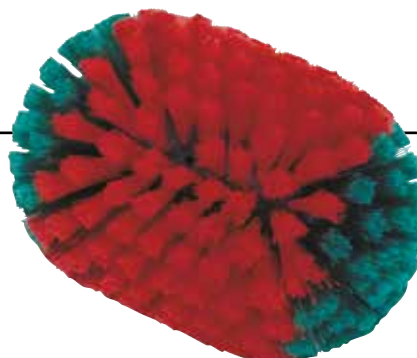
### Hand washing brush

With red/green polyester bristles, long handle

Material black, foamed polypropylene  
Length 420 mm  
Width 70 mm

Order no

9014 000 030

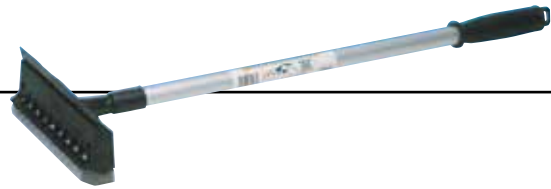


### Rim brush With water flow

**Application range**  
Ideal for trucks and buses

This figure corresponds to 9014 000 025

Length	Width	Order no
230 mm	110 mm	9014 000 025
290 mm	70 mm	9500 705 252
335 mm	65 mm	9014 000 130



## Windscreen cleaner

with insect net, sponge, scraper and telescopic handle

Length 600-1250 mm  
Width 200 mm

### Application range

ideal for trucks and buses

Order no

9014 000 013



## Water squeegee

### Wipe-n-Shine

Effectively removes water residues and limescale deposits from washed or painted surfaces

### Application range

Removes water from large surfaces, e.g. buses, trucks and cars

### Width

250 mm

350 mm

450 mm

Order no

9014 000 112

9014 000 125

9014 000 115



## Car snow brush with ice scraper

hard, with green polyester bristles

Length 473 mm  
Width 80 mm  
Height 60 mm  
Colour black  
Material black polypropylene

Order no

9014 520 052



## Bottom slide

Version Made of black cellular rubber  
Colour black  
Length x width x height 600 x 90 x 115 mm

### Application range

For effective removal of water and oil

Order no

9014 000 220



## Washing brush

Quick coupling system for quick click-in of Weyer water flow bars, with hose connection, brush head rotatable by 360° ideal for corners, 2 integrated spray nozzles with 2 m wide fan jet and strong spot jet for stubborn dirt, stop function and adapter for direct hose connection, with rubber edge protection

Brush width 300 mm



### Application range

For the cleaning of trucks, cars, workshop areas (glass surfaces, etc.)



Version	Order no
Ultra Soft, 50 % natural hair	9500 300 150
Soft, soft bristles slit on both ends	9500 300 151
Hard, short, hard plastic bristles	9500 300 152



## Washing brush handle

### With water flow

Sliding handles for better user comfort, separate stopcock, compatible with all common hose connection systems, quick coupling system for fast clicking in of Weyer washing brushes, with hollow for inserting shampoo sticks

Material Anodised aluminium



Length	Description	Order no
800-1500 mm	Can be telescoped	9500 300 153
1500 mm	Fixed	9500 300 155
1600-3000 mm	Can be telescoped	9500 300 154



## Hand washing brush

With 360° rotatable brush head, quick cleaning of large surfaces by turning the brush sideways, the adjustable handle simplifies cleaning in hard-to-reach places, with extra compartment for shampoo sticks, i.e. shampooing and spraying in one operation, with special wide jet nozzle/fan jet for water-saving rinsing after washing and spot jet for stubborn dirt, rubber edge protector for particularly gentle cleaning, hose connection, with stopcock

Version Soft  
Brush width 190 mm



### Application range

For cleaning trucks, cars, motorbikes

Order no
9500 300 157

### Accessories



Description	Order no
Shampoo sticks, 12 pieces	9500 300 156



## Mudguard brush

Thermo-PET, curved wooden body, long material cut

Length 500 mm

Order no

9195 810 000

5

Washing and cleaning technology

## KÄRCHER



## Ice scraper

### EDI 4

Removes stubborn icing on car windscreens, rotating removal disc with 6 sturdy plastic blades

Version Electric  
 Charging time 3 h  
 Washer Ø 100 mm  
 Dimensions 133 x 124 x 110 mm

Disc speed: 500 rpm  
 Battery life: 15 minutes

#### Scope of supply

Lithium-ion battery, battery charging cable, protective cap



Order no

9539 952 035



#### Accessories

##### Description

Cleaning set for EDI 4, Replacement lens, microfiber cloth, cleaning pad and cleaning agent

Order no

9539 952 339

## KÄRCHER



### Wet/dry vacuum cleaner

Maintenance-free suction turbines, flat-fold filter with semi-automatic filter cleaning for almost constant suction power at long working intervals, flexible hose and mains cable storage, removable filter housing

#### Scope of supply

Suction hose, filter bag, wet/dry floor nozzle, crevice nozzle, flat-fold filter, elbow, swivel castor

Model	NT 20/1 Ap	NT 30/1 Ap L	NT 65/2 Ap
Air quantity	74 l/s	74 l/s	2 x 74 l/s
Container contents	20 l	30 l	65 l
Rated input power	1380 W	1380 W	2760 W
Nominal width	35 DN	35 DN	40 DN
Cable length	6 m	7,5 m	10 m
Sound pressure level	66 dB(A)	70 dB(A)	73 dB(A)
Weight	8,5 kg	11.8 kg	20 kg
Length x width x height	440 x 380 x 470 mm	525 x 370 x 3560 mm	600 x 480 x 920 mm
Order no	9513 785 000	9511 482 210	9526 672 910

## KÄRCHER

### Spray extraction cleaner

#### PUZZI 10/1 Edition

Ergonomic, height-adjustable two-handed handle with low weight for user-friendly operation, especially suitable for hygienic and effective cleaning of small to medium sized surfaces, with 1 bar spray pressure the spray extraction unit ensures gentle deep cleaning of textile surfaces and produces convincing results especially when cleaning upholstery and carpets, tool-free adjustment of the handle, integrated storage compartment for detergent tabs, removable dirty water tank, rubber-mounted pump/turbine

Area output, max.	20-25 m <sup>2</sup> /h
Air quantity	54 l/s
Voltage	220-240 V
Frequency	50-60 Hz
Length x width x height	705 x 320 x 435 mm
Weight	10.7 kg

Vacuum: 220/22 mbar/kPa  
 Spray quantity: 1 l/min  
 Spray pressure: 1 bar  
 Tank fresh / soiled water: 10/9 l  
 Turbine performance: 1250 W  
 Pump performance: 40 W

#### Scope of supply

2.5 m spray hose with integrated water supply, integrated accessory holder for hand nozzle, upholstery nozzle, narrow floor nozzle with flexible suction lip, crevice nozzle, additional handle, cable hook, hand tool, carpet cleaner RM 760, 16 tabs



Order no

9539 952 061



**Accessories**

For vacuum cleaners

Order no	Description	Fig.	Wet/dry vacuum cleaner, NT 20/1 Ap	Wet/dry vacuum cleaner, NT 30/1 Ap L	Wet/dry vacuum cleaner, NT 65/2 Ap	Battery-powered vacuum cleaner, BV 5/1 BP Pack	Spray extraction cleaner, PUZZI 10/1 Edition
9500 073 203	Suction nozzle, working width 90 mm	1	■	■	-	-	-
9500 089 101	Suction nozzle, working width 90 mm	1	-	-	■	-	-
9539 952 071	Joint nozzle, length 225 mm	2	■	■	-	-	-
9539 952 092	Joint nozzle, length 250 mm	3	-	-	-	-	■
2300 057 666	Joint nozzle, length 290 mm	4	-	-	■	-	-
9539 952 104	Joint nozzle, plastic, nominal width 35 mm	5	-	-	-	■	-
9569 074 690	Filter bag, fleece, 5 pieces	6	■	-	-	-	-
7100 008 292	Filter bag, paper, 5 pieces	7	-	-	■	-	-
9539 952 105	Filter bag, fleece, 10 pieces	8	-	-	-	■	-
9539 520 014	Filter bag, fleece, 5 pieces	9	-	■	-	-	-
9539 952 106	Extension pipe, length 780 mm	10	-	-	-	-	■
9539 952 107	Spray suction hose, length 4 m	11	-	-	-	-	■

■ compatible, - not compatible



## KÄRCHER

### Abrasive/suction machine BR 40/10 C Adv

2 fast rotating roller brushes with high contact pressure, 2 suction lip strips take up the water forwards and backwards, the floor can be walked on again immediately, low underclearance, push bar can be folded down in both directions, tank can be removed, easy change of brushes and suction lips without tools, water distribution bar can be easily removed and cleaned if necessary, ergonomic handle for better operating comfort, with integrated control of water inflow and brush drive

Rated input power, max.	2300 W
Brush contact pressure	20/30 kg
Brush speed	1100 U/min
Area output, max.	400 m <sup>2</sup> /h
Weight	30 kg

Working width brushing/suction: 400/400 mm  
Tank fresh / soiled water: 10/10 l

Order no

9505 801 250



## KÄRCHER

### Abrasive/suction machine B 40 W BP Dose + R55

With travel drive, roller brushes, tank rinsing system and detergent dosing, automatic fresh water tank filling, very easy operation, basic functions easily controlled via EASY operation switch, high contact pressure for optimum cleaning results, extra quiet for noise-sensitive areas thanks to eco-efficiency level

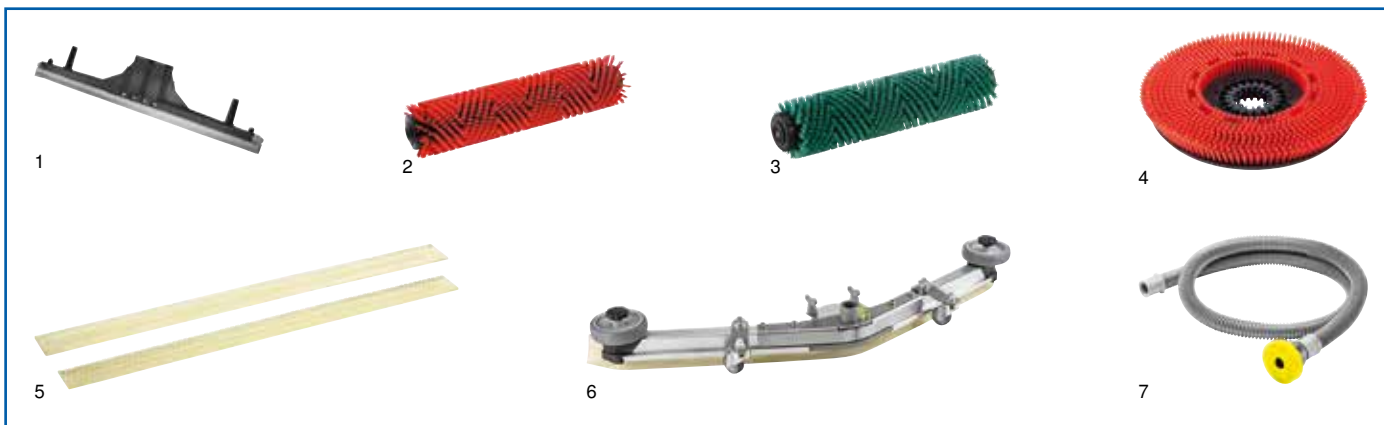
Rated input power, max.	1300 W
Battery capacity	105 Ah
Brush contact pressure	140/160 kg
Brush speed	1200 min <sup>-1</sup>
Area output, max.	3300 m <sup>2</sup> /h
Weight	118 kg

Working width brushing/suction: 550/850 mm  
Tank fresh / soiled water: 40/40 l

Order the required suction beam 9562 477 790 directly with the machine!

Order no

9539 952 124



**Accessories**

For scrubber/vacuum cleaner

Order no	Description	Fig.	Abrasive/suction machine, BR 40/10 C Adv	Abrasive/suction machine, BD 50/50 C BP Pack	Abrasive/suction machine, B 40 W BP Dose + R55
9539 952 108	Suction beam, straight, length 435 mm	1	■	–	–
9539 952 109	Suction lip set, oil-resistant, ribbed, length 435 mm	5	■	–	–
9547 620 030	Brush roller, red, medium-hard bristles, length 400 mm	2	■	–	–
9539 952 111	Brush roller, green, hard bristles, length 400 mm	3	■	–	–
9539 952 014	Brush washer, red, medium-hard bristles, Ø 510 mm	4	–	■	–
9539 952 112	Suction lip set, oil-resistant, ribbed, length 1010 mm	5	–	■	■
9562 477 790	Suction beam, V-shaped, length 900 mm	6	–	■	■
9539 952 113	Filling hose, with universal funnel, length 1500 mm	7	■	■	■
9539 952 114	Brush roller, red, medium-hard bristles, length 550 mm	2	–	–	■
9539 952 116	Brush roller, green, hard bristles, length 550 mm	3	–	–	■

■ compatible, – not compatible

# KÄRCHER



## Hand sweeping machine

For easy and effortless cleaning of outside surfaces, virtually dust-free sweeping thanks to controlled air flow and filtration, side brushes can be folded away, main sweeping roller is height-adjustable and therefore adaptable to different types of floors, drive of main sweeping roller on both sides, push bar can be folded away, 3-way adjustable

Working width 480 mm  
 Container volume 42/20 l



Model	Technical data	Area output, max.	Weight	Fig.	Order no
KM 70/20 C	Working width with 1 side brush 700 mm	2800 m <sup>2</sup> /h	23 kg	1	2300 056 623
KM 70/70 C 2SB	Working width with 1 side brush: 700 mm Working width with 2 side brushes: 920 mm	3680 m <sup>2</sup> /h	26 kg	2	9539 952 018

# KÄRCHER

## Sweeper/vacuum machine

### KM 75/40 W G

Hand-guided, with reliable, powerful Honda 4-stroke petrol engine, high user-friendliness due to EASY operation concept and mobile sweepings container with trolley handle, efficient filter system with mechanical filter cleaning, tool-free change of filter and sweeping cylinder for flexible location-independent maintenance, high degree of manoeuvrability due to compact dimensions and traction drive

Drive 4-stroke petrol engine  
 Area output, max. 3375 m<sup>2</sup>/h  
 Working width 550 mm  
 Container volume 40/40 l  
 Weight 84 kg

Working width with 1 side brushes: 750 mm

#### Application range

Ideal for thorough and dust-free cleaning of outdoor surfaces from 600 m<sup>2</sup>



Order no

9501 049 205



#### Accessories

For sweepers

Order no	Description	Fig.	KM 70/20 C	KM 70/70 C 2SB	KM 75/40 W G
9569 068 840	Cylinder broom, standard, length 550 mm	1	–	–	■
9569 061 320	Side broom, standard, Ø 420 mm	2	–	–	■
9539 952 118	Flat pleated filter, without groove	3	–	–	■
9539 952 117	Cylinder broom, standard, length 480 mm	4	■	■	–
9539 952 149	Side broom, standard, Ø 330 mm	5	■	■	–

■ compatible, – not compatible

# KÄRCHER

## HIGH PRESSURE: ANYWHERE, ANYTIME.

With stationary high-pressure units, the high-pressure water is directed from a central supply unit via a fixed pipeline network to the extraction points. The major advantage is the extremely short set-up times. [kaercher.de](http://kaercher.de)

### Components and configuration options for stationary high-pressure cleaning.

The planning of stationary high-pressure units for their respective purposes requires comprehensive know-how and experience in high-pressure technology and in plant construction, which Kärcher has acquired from decades of experience and the planning and construction of many high-pressure units.



**Stationary hot-water high-pressure cleaning**  
Single-lance operation



**Stationary cold-water high-pressure cleaning**  
Single-lance operation



**Stationary cold-water high-pressure cleaning**  
Multiple-lance operation



**HWE 860 hot water generator**  
for hot-water supply up to 70 °C



**Remote controls**  
for controlling the stationary high-pressure unit directly at the extraction point



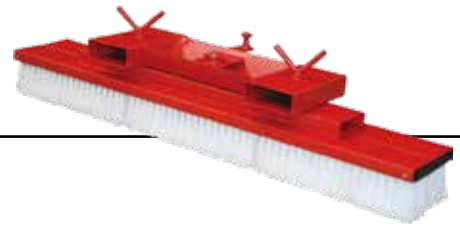
**Liquid softener dosing unit**  
for calcification protection in hot-water operation



**Automatic pressure relief**  
reduces wear and tear on all components



**Elapsed time counter**  
to indicate the operating hours of the machine



## Forklift clearing brush

robust steel design, fork pocket for fork gripping, slide guard, durable, individually replaceable brush elements, surface painted red RAL 3000

Suitable for fork lift, wheel loader, other carrier vehicles with fork arms  
 Width 1500 mm  
 Surface lacquered  
 Colour code RAL 2000

### Application range

quickly sweeps parking spaces, access roads, paths, storage areas, production halls, etc.



Version	Order no
no lateral adjustment	9539 001 328
can be adjusted 2 times to the right and to the left	9539 001 329



## Forklift truck snowplough

Quick pick-up with the fork arms, securing against unintentional slipping, 1-way clearing blade adjustable to the left and right, rubber scraper bars, screwed on, quick exchange is possible, surface is painted in orange RAL 2000

Sign size 1500 x 585 mm  
 Surface Lacquered  
 Colour code RAL 2000  
 Weight 120 kg

Adjustable clearance widths 1300/1500 mm



Order no
9539 001 330



## Grit cart

Spreading takes place via the rotary movement of the wheels, levers for adjusting the spreading width and direction, funnel is painted in red RAL 3000

Tyres Full rubber  
 Load capacity 135 kg  
 Funnel volume 105 l  
 Surface Lacquered  
 Colour code RAL 2000  
 Weight 28 kg

Funnel content: 105 litres

### Application range

for attaching to forklifts, small tractors etc.



Order no
9539 001 331

### Accessories

Description	Order no
Tarpaulin for gritter trucks, 105 litres	9539 001 332



## Detergent sprayer

5 m output hose

Filling capacity 24 l

### Scope of supply

Spray funnel

**Do not use with flammable or corrosive liquids that have not been approved by Ecodora's technical department!**

This figure corresponds to 9539 132 980

Material	Application range	Order no
Lacquered stainless steel	For spraying oils and water-diluted detergents	9539 132 980
Polished stainless steel	For spraying oils, water-diluted cleaning agents and chemical products*	9539 132 981
Polished stainless steel	For spraying water-diluted cleaning agents, chemical products* and disinfectants	9539 132 983

\*Aggressive liquids (e.g. acids) can be used as long as they are compatible with the materials of the unit



## Detergent sprayer

FKM seals, brass spray lance, brass high-performance pump, foot ring, integrated safety valve, sheet steel container with internal coating, oil-resistant, brass flat spray nozzle, quick-action shut-off valve, residue emptying, pointer pressure gauge

Operating pressure max. 6 bar

### Application range

For application in industrial areas

TÜV/GS-tested



Model	Filling capacity	Total volume	Fig.	Order no
405 T Profiline	5 l	8 l	1	9534 818 640
410 T Profiline	10 l	13,7 l	2	9534 818 645



## Detergent sprayer

PVC hose, power pump with ergonomic handle and specially coated piston rod, filling funnel, foot step for stable standing when pumping, safe standing even on uneven ground due to large standing surface, 360° rotatable spraying tube, attachment option for spraying and extension tube, piston pressure gauge with built-in safety valve, ergonomic shut-off valve with filter

Operating pressure 3 bar

Hose length 2000 mm

Material plastic

Nozzle: PVDF, flat jet 90-02



### Version

FPM seal

EPDM seal



## Detergent sprayer CleanMaster CM 50

EPDM sealing material, reinforced PVC hose, sturdy plastic container, plastic spray lance with acid-proof flat spray nozzle, safety valve, foot ring, transparent viewing strip for level control

Filling capacity 5 l  
Total volume 7 l  
Operating pressure max. 3 bar

### Application range

suitable for applying agents with a pH value between 2 and 12

### Scope of supply

Extension tube (0.5 m)



Order no

9539 850 000



## Detergent sprayer

FKM sealing material, 2.0 m spiral hose, variable foaming degree, flat jet nozzle with 110° spray angle, FKM seals, plastic flat jet nozzle, quick-action valve, safety valve, foam sprayer, sturdy plastic container, plastic spray lance, plastic pump, foot ring, transparent viewing strip for level control



Model	Filling capacity	Total volume	Operating pressure	Fig.	Order no
FoamMaster FM 30	3 l	5 l	max. 3 bar	1	9539 850 016
FoamMaster FM 50	5 l	12,2 l	1-3 bar	2	9539 850 005



## Detergent sprayer

With power pump with ergonomic pump handle, safe standing even on uneven surfaces due to large standing surface, foot step for stable standing when pumping, filter prevents clogging of the nozzle, 360° rotatable spray tube, storage possibility for spray and extension tube, piston gauge with built-in safety valve, safety valve prevents unintentional spraying, oil-resistant hose with filter

Version FPM/FKM seal  
Filling capacity 5 l  
Operating pressure 3 bar  
Hose length 2000 mm  
Material plastic

Nozzle: POM, flat jet 110-02

### Application range

For media pH 5-9



Order no

7168 000 017



### Detergent sprayer

Sturdy plastic container, brass spray lance, adjustable hollow cone brass nozzle, powerful pressure pump, filling funnel, bleed valve with integrated safety valve, transparent sight bands for checking fill level, carrying strap

Operating pressure max. 3 bar  
 Filling capacity 5 l  
 Total volume 7 l



Model	Version	Fig.	Order no
Prima 5	NBR seals	1	9534 818 610
Prima 5 PLUS	EPDM seals	2	9534 818 608



### Detergent sprayer Flori allround

Pump with ergonomic handle, with filling funnel, stable, easy pressure relief and emptying, can be carried sideways, spray tube can be rotated 360°, ergonomic shut-off valve

Version FPM/FKM seal  
 Filling capacity 5 l  
 Hose length 1300 mm  
 Material plastic

Flat spray nozzle for wood preservatives, hollow cone nozzle for pesticides

**Application range**  
 For media pH 5-9



Order no

7168 000 010



### Detergent sprayer hobby Exclusiv

Telescopic jet tube (up to 1.0 m) with swivelling and adjustable hollow brass cone nozzle, sturdy plastic container, pressure pump, filling funnel for comfortable filling, pointer pressure gauge, pressure relief valve, residual quantity drain, foot ring for safe standing, transparent viewing strip for level control, sturdy carrying strap with shoulder pad, ergonomic comfort grip, kink protection for the hose, additional sieve prevents clogging of the nozzle

Operating pressure max. 3 bar  
 Filling capacity 5 l  
 Total volume 7 l



Order no

9539 000 262

5 Washing and cleaning technology

**GLORIA®**  
Geräte für Haus und Garten

## Pump sprayer Typ 89

oil-resistant, hollow brass cone nozzle, foot ring for safe standing, precision pump

Version	with swivelling nozzle head
Operating pressure	max. 3 bar
Filling capacity	1 l
Total volume	1,45 l

0.5 m extension tube optionally available



Order no

9539 000 089



## Pump sprayer

Shapely, high-quality technical device for effortless spraying of larger quantities of liquids, with Viton seal, transparent plastic container with filling scale, plastic cover tube for increased chemical resistance, safety valve with easy way to relieve pressure, adjustable nozzle for fine, even atomisation, large filling opening (∅ 52 mm) for convenient filling

Filling capacity 1,5 l

### Application range

For oily media pH 1-9

Version	Application range	Fig.	Order no
FPM seal	For oily media pH 1-9	1	7168 000 006
FPM seal	For media pH 4-7	2	7168 000 004
FPM seal	For acidic media pH 1-9	3	7168 000 001
EPDM seal	For alkaline media pH 7-14	4	9571 683 132

\* Not for brake cleaner!



Geräte für Haus und Garten

## Pump sprayer

### CleanMaster EXTREME EX 100

FKM+ sealing material, container made of polyethylene plastic, spray head made of polyoxymethylene plastic, resistant to petrol, benzene, oil, alcohol as well as organic solvents

Filling capacity 1 l  
Version oil-resistant  
Colour transparent

#### Application range

Output of solvent-containing media such as brake or rim cleaners as well as tar and stain remover



Order no

9539 850 007

5

Washing and cleaning technology



## Foam sprayer

Plastic container with filling scale and very large pressure pad, special plastic nozzle

Operating pressure 3 bar  
Filling capacity 1,5 l



Model	Description	Order no
3132FO FOAMER	For acidic media, with FPM seal	9571 683 160
3132FO FOAMER	For alkaline media, with EPDM seal	7168 000 013



## Pump sprayer

For oily media, with flat spray nozzle, viewing strip in container, pressure relief and safety valve

Version FPM seal  
Filling capacity 1,5 l  
Material plastic



Order no

7168 000 003



### Cleaning cloth set

**Scope of supply**  
 6 x cleaning cloth roll, blue, 3-layer, 500 sheets 380 x 380 mm, glued between sheets  
 1 x floor stand with tear-off rail for rolls up to 400 mm wide

Version

Order no

7-piece

9861 144 020

5 Washing and cleaning technology



1



2



### Cleaning cloth roll

for pulling out in the packaging or traditionally for winding off, if the packaging is removed, PTP embossing

Container roll

Version	Number of leaves	Sheet size	Fig.	Order no
2-layers, centre- and outer-winding	300 pieces	230 x 300 mm	1	9539 111 200
3-layers, sheets glued together, outer-winding	500 pieces	380 x 380 mm	2	9861 103 103

### Cleaning cloth roll made of recycling paper

solvent-resistant, colour-fast, highly absorbent, extremely tearproof even when wet

Colour blue

**Application range**

for heavy-duty cleaning work



This figure corresponds to 9861 143 700

Version	Number of leaves	Sheet size	Roller length	Order no
2-layer	500 pieces	380 x 215 mm	190 m	9861 103 115
2-layer	500 pieces	380 x 370 mm	190 m	9861 103 116
2-layer	1000 pieces	380 x 380 mm	380 m	9861 143 700
3-layer, glued between sheets	1000 pieces	380 x 370 mm	380 m	9861 103 117

### Floor stand

sturdy tubular steel frame, quick to assemble, can be folded away

Interior width 400 mm

**Scope of supply**

without cleaning cloth roll



Order no

9539 469 172



## Paper towels

Version	Number of leaves	Colour	Order no
2-layer	3200 (= 20 x 160)	white	9861 103 118
2-layer, zigzag fold	3200 (= 20 x 160)	green	9861 103 120
2-layer, zigzag fold	4000 (= 20 x 200)	white	9861 103 119
1-layer, zigzag fold	5000 (= 20 x 250)	natural	9861 103 121



## Cleaning cloth Mutton cloth

Container bale  
Material Soft tricot  
Standard DIN 61650

Contents	Colour	Order no
10 kg	multi-coloured	9861 103 122
10 kg	white	9861 103 123
25 kg	white	9861 103 124



## Cleaning cloth Fleece cloth

Contents 10 kg  
Container bale  
Dimensions 38 X 40 cm  
Mass per unit area 150 g/m<sup>2</sup>

Colour	Order no
dark	9861 103 126
multi-coloured	9861 103 125



## Toilet paper

Colour white

### Scope of supply

64 rollers each 250 sheets

Version	Order no
2-layer	9861 540 106
3-layer	9554 050 201









## Microfibre cloth

Dimensions 40 X 40 cm  
Material 80 % polyester, 20 % polyamide

Colour	Order no
blue	9539 110 444
yellow	9539 110 445
antracite	9539 110 447

## Which bristles are suitable for which application?

Material	Bristles	Range of application
	Elaston®	Suitable for coarse dirt and wet floors.
	Arenga	Suitable for coarse and fine dirt and for wet and oily media.
	Elaston®/Arenga	Suitable for coarse and fine dirt as well as for wet floors.
	Coconut	Suitable for coarse and fine dirt as well as for dry and dusty floors.
	Natural hair	For smooth floors, non-electrostatic.
	Piassava	Suitable for coarse dirt for outdoor cleaning.

## Broom

Material Beech wood

Version	∅	Width	Description	Suitable for	Order no
Arenga bristles	23,5 mm	400 mm	With handle hole	Handle 9534 815 905	2300 045 360
Arenga bristles	24 mm	800 mm	With metal handle holder	Handle 9534 815 905	9240 060 248
Arenga brushes	24 mm	1000 mm	With magnetic handle holder	Handle 9534 815 905	9534 470 046
Arenga bristles	24-26 mm	500 mm	With plastic handle holder	Handle 9534 815 905	9534 470 306
Arenga bristles	24-26 mm	600 mm	With plastic handle holder	Handle 9534 815 905	9539 470 307
Arenga/Elaston bristles	24-26 mm	400 mm	With plastic handle holder	Handle 9534 815 905	9000 470 050
Arenga/Elaston bristles	24-26 mm	500 mm	With plastic handle holder	Handle 9534 815 905	9000 470 051
Arenga/Elaston bristles	24-26 mm	600 mm	With plastic handle holder	Handle 9534 815 905	9000 470 052
Elaston bristles	23,5 mm	290 mm	With handle hole	Handle 9534 815 905	9000 470 335
Elaston bristles	32,5 mm	320 mm	With handle hole	Handle 9501 460 012	9539 470 107
Elaston bristles	23,5 mm	400 mm	With handle hole	Handle 9534 815 905	9539 470 065
Elaston bristles	23,5 mm	400 mm	With handle hole	Handle 9534 815 905	9539 470 336
Elaston bristles	23,5 mm	400 mm	With handle hole	Handle 9534 815 905	2300 061 402
Elaston bristles	23,5 mm	500 mm	With handle hole	Handle 9534 815 905	9750 000 108
Elaston bristles	23,5 mm	600 mm	With handle hole	Handle 9534 815 905	9539 210 550
Elaston bristles	24 mm	800 mm	With metal handle holder	Handle 9534 815 905	2300 044 568
Elaston bristles	24 mm	1000 mm	With metal handle holder	Handle 9534 815 922	2300 044 570
Elaston bristles	24-26 mm	400 mm	With plastic handle holder	Handle 9534 815 905	2300 044 560
Elaston bristles	24-26 mm	500 mm	With plastic handle holder	Handle 9534 815 905	2300 044 562
Elaston bristles	24-26 mm	600 mm	With plastic handle holder	Handle 9534 815 905	2300 044 564
Coconut bristles	23,5 mm	600 mm	With plastic handle holder	Handle 9534 815 905	9000 470 302
Coconut bristles	24-26 mm	400 mm	With plastic handle holder	Handle 9534 815 905	9000 470 300
Coconut bristles	23,5 mm	300 mm	With handle hole	Handle 9534 815 905	9534 470 015
Coconut bristles	23,5 mm	400 mm	With handle hole	Handle 9534 815 905	9534 470 017
Coconut bristles	23,5 mm	500 mm	With handle hole	Handle 9534 815 905	9751 866 050
Coconut bristles	23,5 mm	600 mm	With handle hole	Handle 9534 815 905	2300 045 366
Coconut bristles	24 mm	800 mm	With metal handle holder	Handle 9534 815 905	9533 231 603
Coconut bristles	24 mm	1000 mm	With metal handle holder	Handle 9534 815 905	9533 231 703
Poly-coconut bristles	23,5 mm	400 mm	With handle hole	Handle 9534 815 905	9240 060 252
Poly-coconut bristles	23,5 mm	600 mm	With handle hole	Handle 9534 815 905	9240 060 255
Poly-coconut bristles	24 mm	800 mm	With metal handle holder	Handle 9534 815 905	9240 060 257
Poly-coconut bristles	24 mm	1000 mm	With metal handle holder	Handle 9534 815 905	9240 060 258
Natural hair bristles	24 mm	1000 mm	With magnetic handle holder	Handle 9534 815 905	9534 470 018
Natural hair bristles	60 mm	600 mm	With two wing screws	Handle 9534 815 905	9539 210 563
Natural hair bristles	21 mm	280 mm	With handle thread		9539 470 210
Piassava bristles	32,5 mm	320 mm	With handle hole	Handle 9534 815 905	9539 470 092
Piassava bristles	23,5 mm	400 mm	With handle hole	Handle 9534 815 905	9539 470 094
With quality blend bristles	23,5 mm	400 mm	With handle hole	Handle 9534 815 905	9500 470 082

**Nöle**   
PROFI BRUSH  
BÜRSTEN- & PINSELTECHNIK

## Broom

Scratches and sweeps in one operation, for thorough removal of stubborn dirt (e.g. dried leaves, encrusted soil, mortar residues or moss), beech wood body Arenga/elaston/steel wire bristles, complete with tool handle and metal handle holder  $\varnothing$  28 mm

Version With scraper edge  
Handle length 1400 mm



Order no

2300 061 404

**Nöle**   
PROFI BRUSH  
BÜRSTEN- & PINSELTECHNIK

## Bracket For brooms and utensils

Material metal



Order no

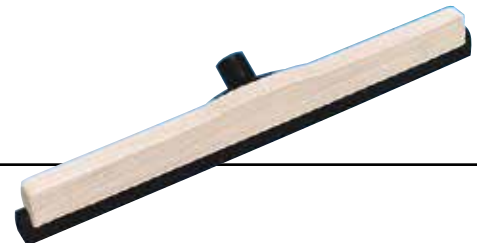
9539 210 430

**Nöle**   
PROFI BRUSH  
BÜRSTEN- & PINSELTECHNIK

## Rubber wiper

Double synthetic moss rubber strips, with plastic handle holder, wooden body.

**Scope of supply**  
Without handle



Width	Order no
400 mm	9000 470 340
500 mm	9000 470 341
600 mm	9000 470 342

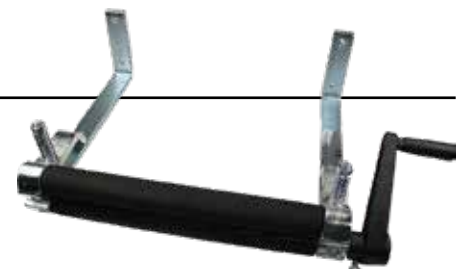
**BUSCHING**

## Leather cloth wringer

For thorough and gentle wringing out of all leather cloths, open design, wide rollers spring-mounted, pressure individually adjustable

Width 35 cm  
Surface Galvanised

**Scope of supply**  
With wall holder



Order no

2300 063 022



## Small parts cleaner

### Floor model

Cleaning tub on stable base frame with cross bracing, in the perforated plate made of galvanised sheet steel is embedded in a tub with conical drain, rear and side walls are hot-dip galvanised and equipped with edge protectors, levelling feet for levelling uneven surfaces

Suitable for 200 litre barrel  
Working height 1040 mm

This figure corresponds to 9539 070 004



Model	Load capacity	Order no
RKR 200/2-D	30 kg	9539 070 004
RKR 200/2 E	30 kg	9172 473 502
RKR 200/2 E-2	150 kg	9539 473 501



## Cold cleaner

### For small parts cleaners

Mild-odour solvent mixture without addition of emulsifiers or wetting agents, slow evaporation, with corrosion protection, with excellent cleaning power and with considerable service life, for oil and grease soiling on engines, machine parts and housings, hydrocarbon solvent, CFC-free, contains no halogenated hydrocarbons and is made exclusively of low-odour, aroma-free solvents for liquids with a flash point of > 55 °C of the former hazard class A III (VbF), complies with the requirements of occupational health and safety

Flash point 63 °C

Evaporation number 150 (Ether = 1)

Density (15 °C) 0.797 g/ml

#### Application range

For oil and grease soiling on engines, machine parts and housings

Contents	Container	Order no
50 l	drum	9539 473 514
200 l	drum	9539 473 515
200 l	jacketed barrel	9539 473 517



## Universal cleaner

for removing general contamination and oil/grease residues from surfaces of metal, glass, ceramic, plastic, rubber etc., for example engine and carburettor parts, highly concentrated, demulsifying, with anti-corrosion protection, gentle on the material, slightly alkaline

**Take special care if used on tin or zinc!**



Contents	Container	Order no
5 l	canister	9542 070 421



## Parts washing machine

Temperature range 0-60 °C

Washing basket-Ø 780 mm



This figure corresponds to 9172 473 541

Model	Version	Voltage	Power	Tank contents	Load capacity	Order no
TWA 90	Washing basket-Ø 780 mm	230-400 V	4,7 kW	90 l	150 kg	9539 070 150
TWA 170	Washing basket-Ø 910 mm	230-400 V	7,5 kW	170 l	200 kg	9172 473 541
TWA 280	Washing basket-Ø 1150 mm	400 V	13 kW	280 l	350 kg	9172 473 542

\* with electric basket drive

### Accessories

Description	Order no
Gear motor for basket drive, MOT90, suitable for parts washer TWA 90	9539 070 155
Gear motor for basket drive, MOT170, suitable for parts washer TWA 170	9539 070 156
Cleaning powder, 25 kg sack	9539 070 410
Cleaner concentrate, 20 litres canister	9172 473 544



## Ultrasonic cleaning device

Model	Version	Technical data	Nominal measure	Description	Fig.	Order no
RU 100/1	1 PZT large-surface oscillating system	Washing time 1-15 min/continuous operation Ultrasonic peak output: 640 W Heating: 30-80°	240 x 140 x 100 mm	Without drain ball valve	1	9539 070 320
RU 510	4 PZT large-surface oscillating system	Washing time 1-15 min/continuous operation Ultrasonic peak output: 640 W Heating: 20-80°	300 x 240 x 150 mm	With drain ball valve	2	9539 070 322
RU 1028	8 PZT wide-jet oscillating system	Washing time 1-15 min/continuous operation Ultrasonic peak output: 1200 W Heating: 30-80°	500 x 300 x 200 mm	With drain ball valve	3	9539 070 323
RU 1050	16 PZT wide-jet oscillating system	Washing time 1-15 min/continuous operation Ultrasonic peak output: 2400 W Heating: 30-80°	600 x 500 x 300 mm	With drain ball valve	4	9539 570 324

### Accessories

	RU 100/1	RU 510	RU 1028	RU1050
Hanging basket	9539 070 530	9539 570 532	9539 070 564	9539 570 572
Perforated cover	9539 070 537	9539 473 509	9539 070 566	9539 570 573

**KÄRCHER****Dry ice blasting unit****IB 10/8 L2P**

With integrated dry ice production from liquid CO<sub>2</sub>, intuitive and simple operation, ergonomic blasting gun, "air only" or "ice and air" switch on the gun, electronic control, flat jet nozzle, blasting gun (ergonomic and safe), blasting hose, with electric control line and quick coupling, compact and mobile design.

Voltage	220-230 V
Working pressure	0,7 - 10 bar
Connection	1/4" quick coupling
Connected rating	1,5 kW
Frequency	50-60 Hz
Sound pressure level	95 dB(A)
Length x width x height	870 x 450 x 970 mm

Dry ice consumption 2-8 kg/h  
 Dry ice pellets Ø 2.5 mm  
 Air flow rate 0.07-0.8 m<sup>3</sup>/min.  
 Liquid CO<sub>2</sub> supply: Standard CO<sub>2</sub> riser bottle

**Application range**

Perfect for short-term cleaning operations without complicated logistics

**Scope of supply**

without CO<sub>2</sub> bottle



Order no

9539 952 199



**KÄRCHER**

**WORLD  
NOVELTY**

# STORAGE IS YESTERDAY'S PROBLEM.

IB 10/8 L2P: The self-provider among ice-blasters.



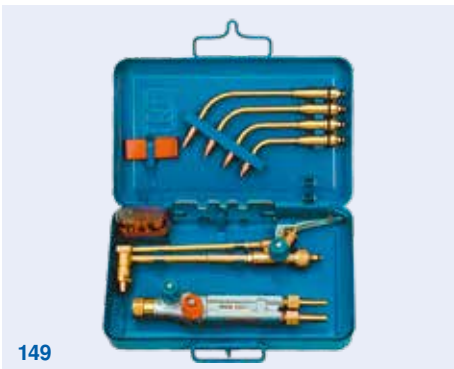
## The future of dry-ice cleaning.

With the IB 10/8 L2P, Kärcher is launching the first machine on the market that produces its own dry ice – precisely when the cleaning is carried out, and only in the quantity required. By means of the gentle but effective dry-ice method, the cleaning of sensitive surfaces or components becomes child's play.  
[www.kaercher.de/iceblaster](http://www.kaercher.de/iceblaster)





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## Bodywork and repair technology

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## MIGATRONIC

### MIG/MAG/MMA/TIG multifunction inverter

#### RallyMIG 161i

compact and portable multifunction welding machine with the welding procedures MIG, MAG, (MMA, WIG) with scratch ignition, is provided with PFC (Power Factor Correction) so that the employment of long welding leads or operation on a generator is possible

Suitable for	0.6-0.8 mm steel
Number of rollers	2 pieces
Mains voltage	230 V
No-load voltage	75 V
Welding range	20-160 A
Fuse protection	16 A
Protection class	IP23S
Standard	EN/IEC60974-1, EN/IEC60974-5, EN/IEC60974-10
Length x width x height	450 x 230 x 370 mm
Weight	13 kg



Switch-on duration: MIG 20 °C, A 135/100 %, 145/60 %, 160/40 %

#### Scope of supply

3 m burner ML161, 1.5 m grounding cable with clamp, drive roller 0.6-0.8-V (mounted), drive roller 0.8-1-V (extra), handgrip and carrying strap

Order no

9579 906 001

#### Accessories

Description	Order no
Carriage, with bottle holder	9578 857 050
TIG burner, TIG Ergo 101V, 4 m	9580 390 015

## MIGATRONIC

### MIG/MAG welding system

#### Automig 223 UPS

Step-switched, sturdy, mobile with 2 swiveling front wheels, easy to use

Version	UPS = without 4-cycle spot and intermittent
Suitable for	0.8 mm steel
Number of rollers	2 pieces
Mains voltage	3 x 400 V
No-load voltage	14-30 V
Fuse protection	10 A
Regulation	10 steps
Standard	EN ISO 20345/S3 SRC
Protection class	IP21
Length x width x height	720 x 380 x 700 mm
Weight	64 kg

Switch-on duration 30 %, 15 A/218 V

Wire rolls 5-15 kg

Wire feed speed 2-14 m/min

#### Application range

Motor vehicle garages, trade and industry

#### Scope of supply

3 m torch ML 240 Twist, 3.5 m ground cable with clamp, 5 m mains cable, wheels, bottle holder, handle



Order no

9500 108 710

## MIGATRONIC

### MIG/MAG welding system inverter

#### Omega<sup>2</sup> 300 C Basic

Infinitely adjustable, fully digital, compact design, air-cooled, easy to operate

Suitable for	1.0 mm steel
Number of rollers	4 pieces
Current setting range	15-300 A
Mains voltage	3 x 400 V
Fuse protection	10 A
No-load voltage	52 V
Length x width x height	640 x 250 x 550 mm
Standard	EN 420/EN 388
Protection class	IP23
Weight	26 kg

Switch-on duration 40° at 100 % - 175 A, 40° at 60 % - 175 A, 20° at 100 % - 230 A, 20° at 60 % - 245 A

#### Application range

Motor vehicle garages, trade and industry

#### Scope of supply

Trolley, 3 m torch ML 300 Twist, 8.5 m mains cable, 3 m earth cable with clamp, 1.7 m diffusion-proof gas hose, 4 roller drive

#### Convertible to aluminium



Order no

9579 541 847

6

Bodywork and repair technology

## EWOS

Order your complete workshop requirements through EWOS.

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EWOS  
3.0

EURO  
PART

**MIGATRONIC****TIG welding inverter  
Focus TIG 200 AC/DC PFC**

pulse function offers better monitoring of the weld pool, HF/LIFTIG function enables ignition with or without high frequency, ideal for TIG welding of all materials including aluminium

Mains voltage	230 V
No-load voltage	95 V
Current setting range	5-200 A
Fuse protection	16 A
Protection class	IP23
Standard	EN/IEC60974-1/-5 (S)/-10
Length x width x height	470 x 180 x 250 mm
Weight	13,5 kg

Switch-on duration 100 % at 40 °C - 140 A, 60 % at 40 °C - 170 A  
Switch-on duration 100 % at 20 °C - 160 A, 60 % at 20 °C - 200 A/40 %

**Scope of supply**

torch TIG Ergo 201 4 m 7P, ground cable 3 m, carrying handle, gas hose 1,5 m, grounded plug 16 A



Order no

9510 870 400

**Accessories**

Description	Order no
TIG burner, TIG ERGO 201, 4 m, 7-pin	9500 392 795
TIG burner, TIG ERGO 201, 8 m, 7-pin	9500 392 796
Torch adjustment, vertical	9580 300 061
Torch adjustment, horizontal	9580 300 070

**EWOS technology online – Basic service package**

- Maintenance plans and maintenance interval display (commercial vehicles and passenger cars)
- Working times (commercial vehicles and passenger cars)

**Free of charge for every EWOS user**

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<https://ewos.net/technique>**EWOS  
3.0****EURO  
PART**

**MIGATRONIC****Electrode weld inverter  
Focus Stick 120 E PFC**

Mains voltage	1 x 230 +/- 1.5 % V
No-load voltage	95 V
Current setting range	20-120 A
Fuse protection	16 A
Standard	60974- 1/ 10
Protection class	IP23S
Length x width x height	350 x 150 x 230 mm
Weight	4.9 kg

Switch-on duration 40° at 100 % - 65 A, 40° at 60 % - 95 A

**Application range**

Suitable for repair work on trailers or for other minor repair work in workshop, house and yard

**Scope of supply**

Electrode holder with 3 m cable, earth cable 2 m, carrying strap, safety mains plug 16 A



Order no

9579 337 033

**MIGATRONIC****Electrode weld inverter  
Focus Stick 161 E PFC**

Welds with most rutile and basic electrode types up to 3.2 mm, single-phase, with PFC function (Power Factor Correction), option of plus or minus polarity available on the electrode clamp, TIG welding with contact ignition

Mains voltage	1 x 230 +/- 15 % V
No-load voltage	85 V
Current setting range	20-160 A
Fuse protection	16 A
Standard	EN/IEC60974-1, EN/IEC60974-10
Length x width x height	380 x 150 x 230 mm
Weight	6.3 kg

Switch-on duration 40 °C 100 % 110/24.4 A/V

Switch-on duration 40 °C 60 % 130/25.2 A/V

Switch-on duration 20 °C 100 % 160/24.4 A

Switch-on duration 20 °C 60 % 160/24.4 A

**Application range**

Assembly and workshop applications as well as for the mobile service team

**Scope of supply**

Electrode holder with 3 m cable, 2 m earth cable, carrying strap, 16 A Schuko plug



Order no

9500 010 161

**Accessories****Description**

TIG burner, with rotary valve

Order no

9585 015 400

**MIGATRONIC****Plasma cutting device****Zeta 100**

sturdy, portable, with automatic control for cutting and gouging processes, inverter technology combined with operator guidance ensure precise plasma cutting of all electrically conducting metals and alloys

Current setting range	20-100 A
Fuse protection	20 A
Compressed air connection	4-6 bar
Air consumption	100-160 l/min
Quality cut	25 mm
Separating cut, max.	35 mm
Mains voltage	3 x 400 V
No-load voltage	248 V
Protection class	IP23
Length x width x height	405 x 345 x 675 mm

Switch-on duration 100 % at 40 °C - 75 A, 60 % at 40 °C - 85 A, 40 % at 40 °C - 100 A

**Application range**

Workshop and assembly applications

**Scope of supply**

6 m plasma cutter, 3 m ground cable with clamp



Order no

9579 624 105

**Accessories**

Description	Order no
Circle cutting device	9580 600 210
Carriage	9578 857 045
Pressure reducer for argon or carbon dioxide CO <sub>2</sub> , 30 l/min, G1/4" x LW 6, right	2300 060 036

## Welder enclosures

Injector principle, fuel gas: Acetylene,  
hose connections (DIN EN 560): Oxygen G 1/4, acetylene G 3/8 LH

### Application range

Suitable for welding, cutting, heating, flame soldering and flame straightening in small working areas

### Scope of supply

1 handle MWW 520/1 or burner 90 W  
4 welding inserts (0.5-1/1-2/2-4/4-6 mm)  
1 cutting insert with lever valve  
1 multiple key  
1 nozzle cleaning device  
1 nozzle container  
1 sheet steel box

### Version

10-piece

Order no

6217 052 011

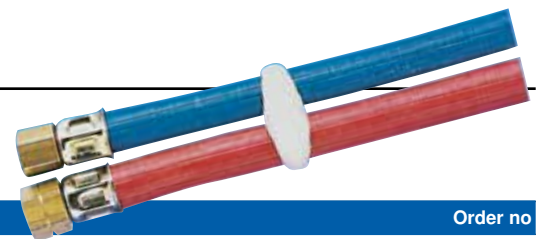


### Accessories

Description	Fig.	Order no
Pressure reducer for acetylene bottles, 1,5-2,5 bar, left	1	2300 060 034
Pressure reducer for oxygen bottles, 1-10 bar, right	2	2300 060 032
Service adapter, safety element for acetylene connection		9534 872 236
Service adapter, safety element for oxygen connection		9534 872 237

## Twin hose

Suitable for welding and cutting set  
Length 10 m



Order no

9534 872 225



### Accessories

Description	Order no
Service adapter, safety element for acetylene connection	9534 872 236
Service adapter, safety element for oxygen connection	9534 872 237

## Stick electrode

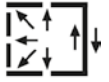
### Overcord, shielded in rutile cellulose

Universal electrode, approvals: TÜV, TÜV Vienna, DB ABS, BV, NV, GL, GR, Controlas

Dimensions 3.2 x 350 mm  
 Electric current 90-130 A  
 Standard DIN 1913/EN 499/AWS/ASME SFA-5,1/E 43 22 R (C) 3/ E 38 0 RC/E 6012

#### Application range

for assembly, workshop and repair welding jobs, especially suitable for downward welding positions, base materials: non-alloyed construction steels, boiler metals, pipe steels, fine-grain structural steels, shipbuilding steels, cast steel



6

Order no

2300 060 966

## Stick electrode

### FINCORD

Stick electrode with excellent welding properties, approvals: TÜV, TÜV Vienna, DB ABS, BV, NV, GL, GR, Controlas

Version shielded in rutile  
 Length 350 mm  
 Standard DIN 1913/EN 499/AWS/ASME SFA-5,1/E 51 22 RR 6/ E 42 0 RR 12/E 6013

#### Application range

base materials: non-alloyed construction steels, boiler metals, pipe steels, fine-grain structural steels, shipbuilding steels, cast steel



#### Electric current

65-90 A

100-140 A

Order no

2300 060 932

2300 060 934

## Welding wire

### 15 kg coil

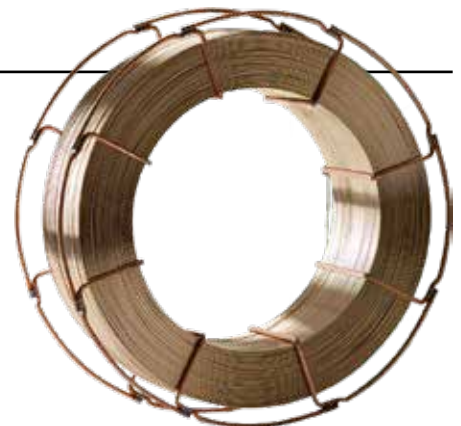
Level spooled

Version SG III  
 Standard DIN EN 440/DIN 8559

#### Application range

For welding steel

**Only use SG III wire for welding the frame and axle suspensions of commercial vehicles!**



Ø

0,8 mm

1,0 mm

1,2 mm

Order no

9581 840 932

9108 700 005

9581 840 936

## Welding wire

Filler metal for welding Al Mg and Al Mg Si alloys  
Suitability tests: TÜV, UDT  
Approvals: DB, ÖBB

Note U = untreated (as-welded condition)  
Coil weight 7 kg  
Heat treatment U  
Tensile strength > 235 (C56)  
Elongation at break A<sub>5</sub> > 17 %

Yield strength at 0.2 > 110 N/mm<sup>2</sup>

### Application range

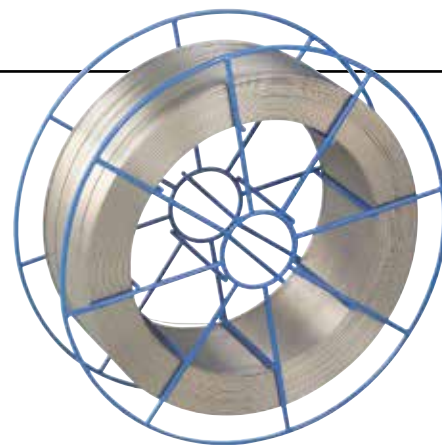
For welding of aluminium

### Safety instruction

Please note the permissible operating temperatures for filler metal and base metal!

**U = untreated (as-welded condition)**

Type	∅	Order no
ALUFIL Al Mg 5	1.2 mm	2300 061 008
ALUFIL Al Mg 4.5 Mn	1 mm	9199 930 008
ALUFIL Al Mg 4.5 Mn	1.2 mm	9199 930 010



## Welding wire

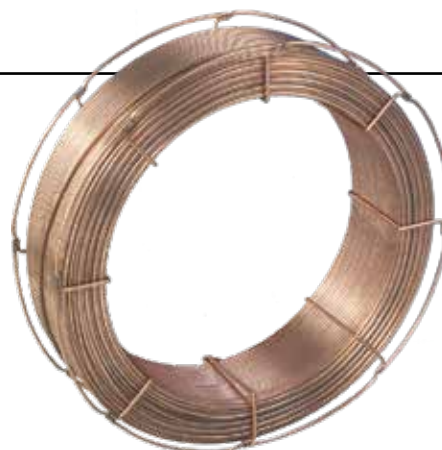
High-alloy for the MAG process for tough and abrasion-resistant build-up welds on components subject to high wear, the weld metal is resistant to impact and shock stress, the weld metal and can only be machined by grinding, mixed gas 18% CO<sub>2</sub>, 82% argon

∅ 1,2 mm  
Coil weight 15 kg  
Hardness 57-62  
Heat treatment U  
Standard DIN 8555, MSG 6.GZ-60GP, comparable material number: 1.4719

### Application range

For build-up welding

**U = untreated (as-welded condition)**



Order no

2300 061 032

## Accessories

### Description

Basket coil adapter, plastic

Order no

9531 115 155



## Induction heater

Resistant colour touch screen control panel, power level adjustment, power indicator (kW), temperature indicator (C°/F), temperature level adjustment (with optional external laser sensor), phase voltage check, DC voltage check, data history

Voltage 400 V

Liquid cooling 20 l

Induction cable 4.25 m



Model	Power	Fuse protection	Order no
AIT HDI 13K400 TC	13 kW	20 A	9539 059 133
AIT HDI 16K400 TC	16 kW	32 A	9539 059 135
AIT HDI 18K400 TC	18 kW	30 A	9539 059 136

# Alesco

## Induction heater

### A80

For safe warming of component parts on vehicle using induction energy, e.g. for careful loosening or opening from jammed screwing and insert connections, driving out pressed-in screws, induction direct, pre-heating or warming of welded joints, targeted heating and bending of workpieces or the installation of interference fits, cooling by internal water-glycol cooling circuit

Version With integrated pump  
 Fuse protection 4-16 A  
 Power 3,7 kW  
 Mains voltage 208-240 V  
 Suitable for Steel  
 Protection class IP21

#### Application range

Car and bus workshops



Order no

8000 100 880



## Induction heater

### SAUER Maxi-Heat X5380

Professional induction heater with increased power for increased applications, with connection plug for 380 V, integrated liquid cooling guarantees high power even in continuous operation, precise heating of components, no open flame - no heating/damage to surrounding components, particularly suitable for confined operating conditions, quick and easy, saves time and increases productivity

Voltage 380 V  
Power 5 kW  
Fuse protection 16 A

Liquid cooling 13 l  
Induction cable 4 m

Order no

9539 059 127

## Induction heater

### SAUER Maxi-Heat X3230

Portable, water-cooled induction heater for heating ferrous materials, integrated liquid cooling guarantees high performance even in continuous operation, portable induction heater, hydraulic liquid cooling, precise heating of components, no open flame - no damage to surrounding components, particularly suitable for confined operating conditions, quick and easy, saves time and increases productivity

Voltage 230 V  
Power 3,5 kW  
Fuse protection 16 A

Liquid cooling 2 l  
Induction cable 2.9 m



Order no

9539 059 129



## Welder's protective helmet flashOut

fully-automatic filter (ADF), DIN-external setting 9-13 open DIN 4, adjustable delay function, adjustable sensitivity, solar with built-in battery, grinding function

Standard EN379, EN175, EN166

field of view 100 x 44 mm

Classification 1/1/1/2

### Application range

ideal for use in workshops and for light industrial applications

### Scope of supply

including pocket



Order no

9564 234 567

## Welder's protective shield

DIN 9, cranked shape, with plastic handle, 1000-hour attachment glass

Version plastic handle

Material made of glass-fibre reinforced plastic



Order no

9534 880 205



## Welder's gloves

5-finger, split-leather cuff

Material full/split leather combined

Size 10

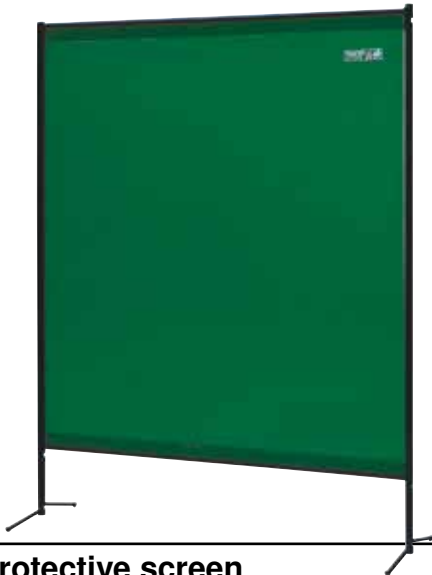
Colour grey

Standard EN 388/2132X, EN 12477/412X4XA, Cat. II



Order no

9532 003 510



## Protective screen

complete with the matching curtain for the respective welding method, delivered in parts as a kit, assembly is quick and easy, the mobile protective screen provides protection against wetness, dirt and draughts

Model T 75 M  
 Dimensions 1455 x 1800 mm  
 Colour dark green, matt

**Application range**  
 Arc welding method

Order no

9539 480 631

6

Bodywork and repair technology



**Nederman**

## Suction unit FilterCart Original, mobile

For clean air in workshops, compact, mobile extractor with built-in fan and filter, separation efficiency 99 %, extraction with disposable filter

Voltage 230 V  
 Power 0,75 kW  
 Frequency 50 Hz  
 Volume flow 100 m<sup>3</sup>/h  
 Arm length 3 m

**Application range**

For dry, non-explosive dusts, fumes and fine particles during grinding and welding work, maintenance work and industrial applications (chemicals, pharmaceuticals, plastics)

**Scope of supply**  
 without lighting

Order no

9682 500 015

## Nederman

### Filter system

#### MFS set

Extraction and filtering of welding fumes, dusts, fine particles, separation efficiency 99 %.

Version	With lighting
Volume flow	900 m <sup>3</sup> /h
Arm length	3 m
Hose-∅	160 mm
Filter area	18 m <sup>2</sup>

Filter category M at 0.5 m<sup>2</sup>

#### Application range

Light welding work

#### Scope of supply

Basic disposable filter, extraction arm with lighting unit, fan N24, control unit FCM3



Order no

9682 500 018

## Nederman

### Suction unit

#### FilterBox 10M

For clean air in workshops, compact, mobile extractor with built-in fan and filter, BIA W3 for high-alloy steels, separation efficiency > 99% for welding fumes, extraction with cleanable filter

Version	1 phase, mechanical/pneumatic
Voltage	230 V
Power	0,75 kW
Frequency	50 Hz
Volume flow	1000 m <sup>3</sup> /h
Arm length	3 m

#### Application range

For dry, non-explosive dusts, fumes and fine particles during grinding and welding work, maintenance work and industrial applications (chemicals, pharmaceuticals, plastics)



Order no

9682 500 017



## Nederman

### Suction unit

Flexible, usable everywhere

Voltage	230 V
Power	1 kW
Frequency	50 Hz
Volume flow	150 m <sup>3</sup> /h
Arm length	2,5 m



Model	Version	Order no
FE840	Manual start & stop	9682 500 032
FE841	Automatic start & stop	9682 500 038

## EURO PART

CE GS

### Charging pressure powder fire extinguisher

ergonomically shaped, robust carrying handle, valve body made of glass fibre reinforced special plastic, hose line with woven fabric intermediate layer made of synthetic rubber material, with pivoting pistol which can be switched off, semi-automatic, with internal cartridge, very service-friendly, CE compliant

Thread	M74 x 2
Contents	6 kg
Standard	DIN EN 3
Type	P6STAR
Label	DE, GB, FR, ES

power rating 34 A, 183 B and C



Order no

9195 491 025

### Fire extinguishing blanket

With two grey handle pockets

Material	Glass fabric
Dimensions	1600 X 2000 mm
Colour	white
Standard	DIN 14 155



Order no

9760 005 000



### Repair kit For windscreens

For professional filling and smoothing of minor damage (e.g. stone chips) to windscreens, the positioning adapter allows the resin to be injected with pinpoint accuracy and completely fills the damaged area, curing is effected by means of the UV lamp provided

**Scope of supply**  
in plastic carrying case



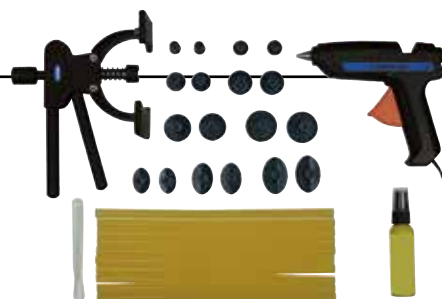
Version	Order no
120-piece	9539 641 318



### Repair kit For dents

Enables targeted dent repair without dismantling the bodywork and trim parts

**Scope of supply**  
Hot glue gun, 10 special glue sticks, 18 glue prisms, mechanical dent puller, liquid glue remover, hand scraper



Version	Order no
32 pieces	9539 732 320



### Sandblasting device SB 750, Mobile, with recovery

Dust-free working environment, economical working, effective method for surface removal of corrosion, old paint etc., often replaces mechanical sanding or chemical cleaning, for clean filling and painting work

Pressure, max. 8 bar  
Air consumption 500 l/min  
Power 1000 W  
Voltage 220/230 V  
Weight 14 kg



Order no
9682 500 001

#### Accessories

Description	Order no
Blasting abrasive Asilikos®, 25 kg, fine	3565 712 469
Blasting abrasive Asilikos®, 25 kg, coarse	3565 712 485



## Straightening set

Easy assembly due to threadless connections, individually shaped compartment for each part

Capacity	10 t
Operating pressure	700 bar
Stroke	130 mm
Piston Ø	40 mm

### Version

17 pieces

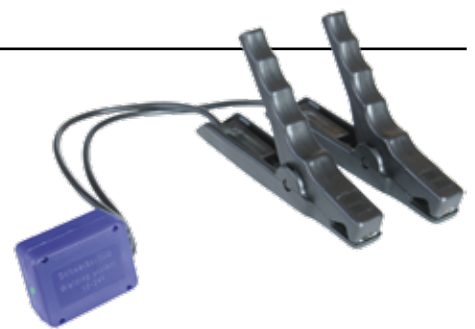
### Order no

9539 650 165

## Overvoltage protector for batteries

High voltages that can occur, for example, during jump starting, welding work or battery charging are reliably absorbed by the device, no need to disconnect the battery, prevents damage to sensitive on-board electronics, no reverse polarity possible.

Version	with LED display
Voltage	12/24 V
Width	40 mm
Height	50 mm
Depth	25 mm
Cable length	300 mm



### Order no

9539 980 849



## Infrared paint dryer

### ILT 3W

Sturdy stainless steel construction with hydraulic arm, high-quality V-Power, 21 inch (50 cm) quartz halogen short-wave infrared light tubes, dries the paint layer efficiently from the outside and inside out, thus avoiding bubbles and saving time, fully automatic digital power setting via LED display with timer, electronic temperature setting from 40-100 °C, each of the three lamps can be switched on individually, lamp housing can be swivelled and rotated through 300°, ball-bearing castors with parking brake, two adjustable drying phases:

PULSE: Intermittent operation for flash-off/pre-drying.

ROUTINE: Continuous operation for curing

Mains voltage	230 V
Dryer area	1200 x 1000 mm
Weight	45 kg

Timer 0-99 min

Input power 3 x 1100 W



### Order no

9539 900 005



**10** YEAR  
3 YEAR UNLIMITED  
WARRANTY



## Workshop press

### Hydraulic

Double-acting, foot-pneumatic, mobile control box for quick and precision fixing of the tool, laterally adjustable cylinder, wide and fully welded frame as well as press table ensure great flexibility, table height adjustment by means of the press cylinder via chain, built-in safety valve to prevent overload, removable pressure shoe for mounting various mandrels, 2 alignment blocks as standard, quick and easy adjustment of the press table by winch, now included as standard

Piston stroke 300 mm

Model	Press force	Interior width	Outer width	Height	Order no
P40H	40 t	850 mm	1190 mm	1980 mm	5322 520 205
P40LH	40 t	850 mm	1050 mm	1900 mm	5322 520 015
P60H	60 t	1010 mm	1390 mm	2040 mm	5322 520 203
P100H	100 t	1100 mm	1600 mm	2042 mm	5322 520 209



### Accessories

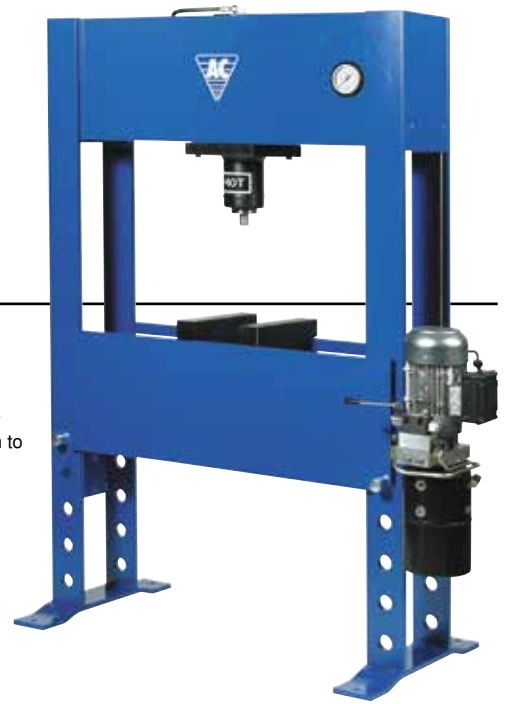
Description	Order no
Pressing mandrel set suitable for P40H, P60H, P100H	5322 520 223
Protective grille suitable for P40H, P40EHI	5322 520 206
Protective grille suitable for PH60H, P60EHI, P60EH2	5322 520 207
Protective grille suitable for PH100H, P100EH2	5322 520 210



## Workshop press

### Electrohydraulic

Double acting and sideways adjustable cylinder, manometer at comfortable eye height, fully welded frame and press table, table height adjustment by chain with the aid of the press cylinder, removable press shoe for mounting different mandrels, 2 setting blocks as standard, 3 x 400 V electric motor and 50/60 Hz (conversion to 3 x 230 V possible)



Model	Version	Press force	Interior width	Outer width	Height	Order no
P40EH1	single stage pump	40 t	850 mm	1355 mm	1740 mm	5322 520 204
P60EH1	single stage pump	60 t	1010 mm	1555 mm	1980 mm	5322 520 208
P100EH2	two stage pump	100 t	1100 mm	1765 mm	2040 mm	5322 520 225



#### Accessories

Description	Order no
Protective grille suitable for P40H, P40EH1	5322 520 206



## Workshop press

### FP 25

Press cylinder can be moved sideways, large hard-chrome plated piston and extra long stroke, free hands due to foot operation, foot-operated quick stroke of the piston with compressed air, pressure display

Press force	25 t
Piston stroke	240 mm
Stroke per movement	9,0/1,1 mm
Outer width	890 mm
Interior width	600 mm
Height	1800 mm
Depth	505 mm
Colour	green
Weight	154 kg



Order no

9508 582 251



## Workshop press

### FP 50

Sideways sliding press cylinder, large hard-chrome plated piston and extra long stroke, quick and safe press table height adjustment via an individually braked handle mechanism, hands free thanks to foot operation, foot-operated quick stroke of the piston with compressed air, pneumatic return (an air connection is required, air connection mounted with water separator), wide range of applications

Press force	50 t
Piston stroke	300 mm
Stroke per movement	6,7/0,7 mm
Outer width	1350 mm
Interior width	840 mm
Height	1990 mm
Depth	630 mm
Colour	green
Weight	370 kg



Order no

9539 641 800



#### Accessories

Description	Fig.	Order no
Press underlay, universal, for workshop presses from 16 to 40 t	1	9539 641 820
Ball bearing press-out kit, 4-piece	2	9539 641 813
Pressing mandrel set, 7-piece	3	9539 641 812
Protective grille	4	9508 582 256



## Workshop press WPP 50 BK, Hydraulic

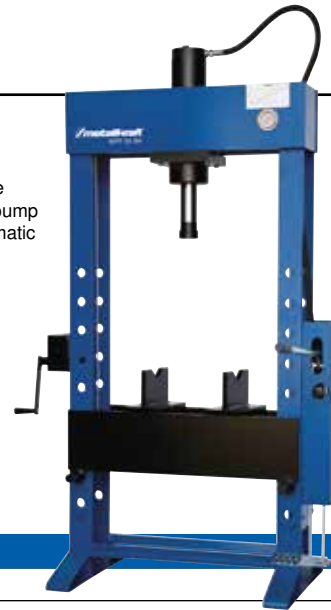
Sturdy welded construction, robust frame with perforation for adjusting the press table, particularly precise hydraulics of European manufacture, pressure build-up by hand or foot operation of the pump lever, foot pump leaves both hands free for fixing the workpiece, press pressure can be read off via manometer, with automatic return stroke of the piston, safety valve to protect against overloading

Press force	50 t
Press speed	1,5 (mm/s)
Piston stroke	150 mm
Clearance	790 mm
Colour	blue
Length x width x height	1400 x 650 x 2000 mm

### Scope of supply

2-part prism set for inserting round material, hand and foot lever, winch for lifting and lowering the table

**For machining flat material, pressing in bearings, bolts and similar, be sure to use the optional perforated plates.**



Order no

9539 003 817

### Accessories

#### Description

Compression mandrel set, with perforated plate, 6-piece

Order no

9539 003 810



## Workshop press Electrohydraulic

Sturdy welded construction, with double-acting cylinder, robust frame with perforation for height adjustment of the press table, particularly precise hydraulics of European manufacture, press pressure can be read off via pressure gauge, with automatic changeover of the piston operating speed of the cylinder, safety valve to protect against overload, electric motor 400 V/ 3 Ph/ 50 Hz

Colour blue

### Scope of supply

2-part prism set for inserting round material, hand lever, winch for lifting and lowering the table, steel chain for table height adjustment

**For machining flat material, pressing in bearings, bolts and similar, be sure to use the optional perforated plates.**



This figure corresponds to 9539 641 840

Model	Press force	Piston stroke	Clearance	Length	Width	Height	Order no
WPP 50 M	50 t	250 mm	790 mm	1350 mm	650 mm	2290 mm	9539 641 840
WPP 60 HBK	60 t	300 mm	790 mm	1350 mm	650 mm	2290 mm	9539 003 818
WPP 100 HBK	100 t	320 mm	1030 mm	1600 mm	850 mm	2280 mm	9539 003 819



### Accessories

Description	Fig.	Order no
Pressing mandrel set, 6-piece, suitable for WPP 50 M	1	9539 641 841
Pressing mandrel set, 6-piece, suitable for WPP 60 HBK	2	9539 003 813
Pressing mandrel set, 6-piece, suitable for WPP 100 HBK	3	9539 003 815



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## Brake, axle and engine service

Brake maintenance, filling and bleeding equipment .....	178–179
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Test devices .....	186–189



## Particle-filter tester DiCLEAN®, T401

- For checking the effectiveness of filter cleaning
- Measurement results are stored in the tester's database and can be printed out to document the cleaning process.
- Testing with light source, for visual inspection for wall damage and cracks
- The DPF should be placed inside the unit to measure the airflow before cleaning.
- The static pressure falls in relation to the air mass flow.
- Before and after cleaning, the same air mass flows through the filter.
- Exact documentation of the pressure drop achieved by the cleaning



Order no	Comparative no
4260 043 068	Dinex 43068

7

Brake, axle and engine service



## Filter cleaning machine DiCLEAN®

- The filter regulator for the compressed air is installed and preset to the max. permissible operating pressure.
- The cleaning process can be monitored during operation by a mirror with spotlights.
- Regenerated soot particles and ash are removed from the cleaning chamber during cleaning and enter the air cleaning filter process.
- Two Teflon-coated process air cleaning filters extract more than 99% of soot and ashes regenerated by the particle filter.
- When the cleaning process and degradation are completed, the process air cleaning filters are automatically cleaned at compressed air sequence intervals.
- When the process filter is at a maximum contamination level, an alarm message is triggered. With normal cleaning of the particulate filter within the service intervals, the process air filters can handle more than 500 cleanings.
- A 35 litre cardboard box in the filter chamber collects all regenerated soot and ash particles.
- Disposal: Dust class M according to the EN 60335-2-69 standards of 1997
- Supplied with a 3/8" connecting tube connected to a compressed air supply of min. 500 litres air per minute at 7 bar. If higher pressure (see filter regulator above) is used, the particle filter can be damaged during regeneration.

Motor power	1.1 kW	Width	800 mm
Pipe Ø	125 mm	Height	1600 mm
Sound pressure level	73 dB(A)	Depth	950 mm
Voltage	230 V	Weight	140 kg
Cable length	3 m		



Order no	Comparative no
4260 043 016	Dinex 43016



**Kiln  
DiCLEAN®**

- Burns soot up to 4 times faster than other furnaces
- The burning time for a cordierite filter (programme 1) is only 2 h 15 min, for a silicon carbide filter (programme 2) only 2 h 50 min (In most other furnaces the burning time to burn out the soot is often 8-10 h).
- This means that the customer now only has to visit the workshop once, and the filter can be cleaned and refitted in one operation. There is no need to fit transitional filters.
- Process description:
- Firing principle: Process air is heated to 600 °C at the heating element and blown through the filter. When the hot air flows out of the particle filter in the direction of the combustion chamber, it is mixed with ambient air and cooled down to approx. 50 °C. The mixed air is filtered before leaving the furnace.
- Firing process: The heating of the process air is monitored by a firing curve based on time and temperature. The process is programmed on a controller that variably regulates the hot air supply and can thus always follow the defined firing curve. At the end of the process, it is switched off and the filter is automatically returned to its start position. The filter has now cooled down to an acceptable temperature and can be mounted in the vehicle again.

Motor power	1.35 kW	Width	1500 mm
Compressed air connection	7 bar	Height	2100 mm
Pipe Ø	200 mm	Depth	750 mm
Voltage	3 x 400 V		

Heating element: 12 kW  
Combustion chamber: max. filter diameter 450 mm

Order no	Comparative no
4260 043 060	Dinex 43060

**Regeneration oven  
for burning out diesel particle filters**

for the regeneration of soot particle filter cartridges, supply and exhaust air openings in the base and the cover, perforated stove plate on 3 stack supports for optimal air flow, temperature control by non-wearing thermocouple, TC 88 E control (for 15 program variants, 2 already preinstalled) with plug connection, all-round heating by a heating coil lying protected in grooves, high-quality refractory brick insulation, rear insulation with SUPERWOOL®, stainless steel casing, powder-coated, sturdy underframe, lockable cover latch, safety switch interrupts the power supply when the cover is opened

Operating temperature max. 1260 °C  
Voltage 400 V/3 N

**Scope of supply**

Furnace with lifting cover, TC 88 E control with 2 preprogrammed firing curves, perforated stove plate with 3 pipe supports, operating instructions for furnace and control



Model	Volume	Power	Form	Interior height	Inner Ø	Order no
ST 120	122 l	7,2 kW	round	570 mm	520 mm	9510 325 000
ST 188 HS	188 l	11 kW	oval	570 mm	750-520 mm	9510 325 001
ST 250 HD	253 l	13,3 kW	round	690 mm	680 mm	9510 325 004

<sup>1</sup> for instance, suitable for MAN Dinex double filter



This figure corresponds to 9510 325 002

**Accessories**

Description	Order no
Ventilation compressor LK 60, for all ST regeneration ovens	9510 325 002
Retrofit set for ventilation compressor	9510 325 003
Factory assembly for ventilation compressor LK 60	9510 325 006
Roller set for ST 120/ST 250 regeneration oven	9510 325 007
Roller set for ST 188 regeneration oven	9510 325 008



## Flushing device ATF Evolution Premium

Can flush gearbox, torque converter and radiator or perform a complete oil change within a short period of time, oil change rate is close to 100 %, LCD display and user-friendly operation, multilingual printout, filling and recycling of automatic transmission oil, automatic identification of the flow direction of the transmission oil, cyclical cleaning of the automatic transmission, easy filling of flushing agent, automatic replacement of new/ used oil, visual indication of oil pressure, accurate indication of oil temperature, fully automatic replacement of new and used oil by the intelligent electronic control, manual addition and updating of the database, effective solution compared to incomplete manual oil change, improves the working performance of the automatic transmission and extends its service life, with sight glasses for fresh and used oil, oil filter change after approx. 25-30 flushes

Voltage	110/220 V AC
Power, max.	150 W
Noise level	70 dB(A)
Operating temperature	-10 to +50 °C
Dimensions	590 x 700 x 1037 mm

Pressure display 0~150 psi  
 Drain hose 3 m  
 Return hose 3 m  
 Drain hose 1.2 m  
 Filter accuracy 5 µm  
 Waste oil tank volume 20 l  
 Volume fresh oil tank 20 l  
 ∅ Exchange rate 2 l/min

### Application range

For automatic gearbox

### Scope of supply

User database plus updates, standard adapter set red, printer, 1000 ml bottle for flushing fluid



Order no

9539 000 610



### Accessories

Description	Fig.	Order no
Adapter set, I-III, in case, suitable for the most common CVT, DSG and torque converter transmission vehicles	1	9539 000 611
Adapter set, suitable for Audi ZF 8 HP	2	9539 000 612
Adapter set, suitable for Mercedes-Benz A-/B-Class, CLA/GLA	3	9539 000 613



## Flushing device

### ATF easyGear VE+, For automatic and DSG gearboxes

Controlled drain, 7" touch screen, automatic oil flow direction recognition (electronic), high oil change accuracy, easy operation through menu navigation, flushing function

Voltage	230 V
Rate of delivery	2 l/min
Sound pressure level	65 dB(A)
Width	600 mm
Height	1180 mm
Depth	500 mm

Pressure display 0~150 psi  
 Waste oil tank volume 20 l  
 Volume fresh oil tank 25 l  
 Return hose 2.5 m  
 Flow hose 2.5 m  
 Synchronisation error 80 ml

#### Scope of supply

ATF operating software, thermal printer, 2 x 25 l internal containers, 1 x 500 ml bottle for flushing fluid, 32 adapters, operating instructions



Order no

9539 130 433



## Flushing device

### ATF easyGear VP

Automated and guided menu procedure (AUTO MOD), current specific vehicle and adapter database through cloud connection, indication of manufacturer approvals with oil quantity, adapter assignment to transmission type, user-friendly menu guidance and technical instructions, 10" touch screen (industrial display) with Android system, flushing function, oil preheating function, automatic oil flow direction recognition (electronic), high change accuracy, management software for more efficiency, online update of databases

Voltage	230 V
Sound pressure level	65 dB(A)
Rate of delivery	2 l/min
Width	700 mm
Height	1260 mm
Depth	690 mm

Pressure display 0~150 psi  
 Waste oil tank volume 25 l  
 Volume fresh oil tank 25 l  
 Synchronisation error 50 ml  
 Drain hose 1.5 m  
 Return hose 3 m  
 Flow hose 3 m

#### Scope of supply

ATF operating software, thermal printer, 2 x 25 l containers, 1 x 500 ml bottle for flushing fluid, vehicle database (annual update), oiler heater, 32 adapters



Order no

9539 130 434



#### Accessories

##### Description

Special adapter, 53 pieces, in case

Order no

9539 130 441




## Lathe/grinding machine

### B 325 CE, for brake drums and brake discs

Universally applicable, with built-in plan-tension, latest technology by "stepped feed", short tool holders by axially movable base slide, infinitely variable main spindle speeds, longitudinal and plan feeds infinitely variable in both directions, feed drives through electronically controlled three-phase motors, LCD digital displays, large dimensioned guideways for longitudinal and cross slides, widely advanced main spindle bearing with precision taper roller bearing enables a high load capacity of the work arbour (800 kg!) without additional support, therefore brake drums with and without wheels can be clamped from the front – simple and fast, simultaneous turning and grinding of the drum possible, powerful and effective dust and chip extraction ensures an environmentally friendly and healthy workplace, high efficiency, short payback period even at partial load, tested and approved by almost all leading commercial vehicle manufacturers, CE design

Power	2,6 kW
Voltage	400/230 V
Frequency	50 Hz
Protection class	IP54

Largest wheel  $\varnothing$  1800 mm  
 Largest turning and grinding  $\varnothing$  1000 mm  
 Smallest turning  $\varnothing$  150 mm  
 Smallest grinding  $\varnothing$   
 With double adapter 285 mm  
 With bearing block 260 mm  
 Maximum turning and grinding depth 315 mm  
 Largest brake disc  $\varnothing$  600 mm  
 Largest brake disc thickness 60 mm  
 Maximum width of the brake disc surface to be machined 130 mm  
 Largest  $\varnothing$  of the clutch flywheels 600 mm  
 Smallest  $\varnothing$  of the clutch flywheels 300 mm  
 Carriage path lengthwise 320 mm  
 Carriage path transverse 160 mm  
 Adjustment of the base slide 200 mm

#### Application range

Commercial vehicles

Order no

9533 040 325

## Brake drum linking device

### TR 1000

Controllable by a few intuitive commands

Suitable for	Brake disc diameter up to 680 mm
Drum- $\varnothing$	150-980 mm
Material	Cast iron
Length	1450 mm
Width	950 mm
Depth	1300 mm

#### Application range

Cars, trucks



Order no

9382 399 502



## Brake disc removal machine

### E 328 CE

Most effective means against brake vibrations. By turning off the commercial vehicle brake disc directly on the vehicle axle, the distortion stresses and thus the problems with vibrating brake discs are permanently and reliably relieved. Brake disc is thermally set after turning off, so that no further thermal distortion occurs. With the savings in labour costs for installation and removal as well as the material costs for the new disc, the investment and operating costs of the machine are earned back after just a few uses with brake disc machining compared to brake disc replacement. Brake discs are fine-turned on both sides in one operation, automatic feed is infinitely adjustable and "set off" according to the HUNGER system. Fits directly on the 10-hole Europa axle, intermediate flanges are available for other dimensions. Is firmly connected to a lifting and mounting trolley, which can be adjusted to the axle height and inclination of the vehicle. Electric limit switch. Sturdy construction guarantees highest working accuracy. Machine is completely independent of the quality of the vehicle hub bearings

Driving power 1,5 kW  
 Voltage 400/230 V  
 Frequency 50 Hz  
 Length 1100 mm  
 Width 1100 mm  
 Height 1150 mm

Largest brake disc  $\varnothing$  500 mm  
 Smallest brake disk  $\varnothing$  150 mm  
 Largest brake disc thickness 65 mm  
 Carriage path radial 175 mm  
 Carriage path axial 130 mm  
 Lifting height of the transport and assembly carriage in the standard version 520-710 mm.

Spindle speed and feed:  
 Speed 50 rpm  
 Stepped feed  
 Stepless 0.1-0.3 mm/rev.

Dedusting:  
 Minimum volume flow 170 m<sup>3</sup>/h  
 Suction hose  $\varnothing$  32 mm

Noise emission:  
 Under full load 84 dB(A) according to DIN EN 31201

**Application range**  
 Commercial vehicles, bus

Order no

9533 040 328

## Brake disc removal machine

### TD502

Mounting is done via flanges directly on the hub and is centred via the wheel studs, used e.g. in many MAN, Iveco and Mercedes-Benz plants, wide range of flanges available for 5-, 6-, 8-bolt axles, turning is done via an integrated double turning tool with indexable inserts, feed can be steplessly controlled

Speed	70 min <sup>-1</sup>
Motor power	1.5 kW
Length	850 mm
Width	650 mm
Height	1050 mm

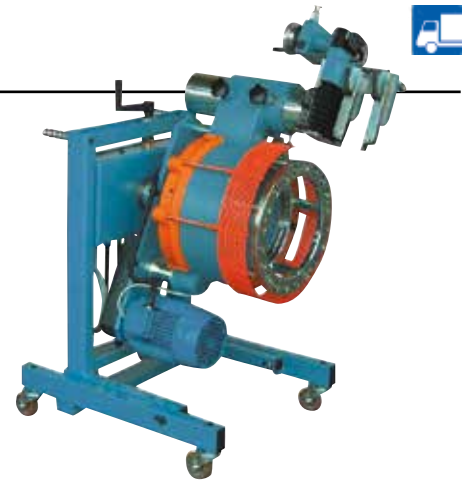
Disc thickness max. 65 mm  
Disc  $\varnothing$  min. 120 mm, max. 500 mm  
Stepless stepped feed  $0 \div 0,3$  mm/rev

#### Application range

Truck

#### Scope of supply

10-flange



Order no

8005 020 000

## Brake pad turning machine

### TCE 560

Processing is carried out directly on the vehicle axle by means of the transport and assembly trolley. Easy to handle. Mounting on 10-hole wheel hubs (European axles) as well as on conventional stub axles is fast and trouble-free, due to high speed of 90 min<sup>-1</sup> and continuously adjustable feed up to 0.7 mm<sup>1</sup>. With automatic adjustable limit stop, a short machining time is ensured, while maintaining the highest quality of work, optimum concentricity, plane parallelism and surface quality. By means of the 2 directions of rotation, all brake linings on the vehicle can always be overturned in the direction of travel. An automatic turning tool fixation ensures that the turning tool is always correctly positioned depending on the direction of rotation.

Drum- $\varnothing$	230-480 mm
Motor power	1.8 kW
Speed	90 min <sup>-1</sup>
Length	670 mm
Width	950 mm
Height	1150 mm

#### Application range

Commercial vehicles all sizes with external planetary axles and conventional axles



Order no

9382 399 501



Illustration also shows optional accessories



## Brake pad turning machine F 308 CE

Guarantees safe braking values right from the start. Pads are immediately subjected to the full load pattern. Point overloads are avoided and the service life of the pad and drum is increased. 2 directions of rotation, so that all brake pads on the vehicle are turned in the direction of travel. Easy handling of the machine thanks to the permanently mounted transport and mounting trolley. Fully automatic turning process until the automatic shutdown of the remote feed when the previously set turning depth is reached. Very short machining times due to the high speed (100 min<sup>-1</sup>) and the adjustable feed. Execution of an axial feed movement of the turning tool during its rotary movement. Optimal concentricity, plane parallelism and surface quality due to working with a short clamped tool holder.

Motor power	0.37 kW
Speed	100 min <sup>-1</sup>
Mains voltage	400/230 V
Frequency	50 Hz
Length	1200 mm
Width	950 mm

Largest brake shoe  $\varnothing$  470 mm  
 Smallest brake shoe  $\varnothing$  230 mm  
 Largest brake shoe width 270 mm  
 Feeds 0.60 mm/rev

### Application range

Commercial vehicle brake pads with machining directly on the vehicle axle, also suitable for turning off brake pads on external planetary axles and on conventional stub axles.

Order no

9533 040 308



Illustration also shows optional accessories



## Brake lift

### BL 2

movable lifting trolley with 4 guide rollers, height adjustable by 900 mm

Load capacity 200 kg

#### Application range

for simple and ergonomic installation and dismantling of brake disks, brake drums, callipers, complete vehicle hubs and 4-wheel drive axes, up to a weight of 200 kg, suitable for confined space conditions under the fender



Order no

9533 040 000

#### Accessories

Description	Order no
Hoist with universal tightening strap, for brake disks, drums and saddles	9533 040 001
Hoist for brake callipers (up to 75 kg)	9533 040 002
Hoist for low-lying callipers	9533 040 006
Hoist for Knorr brake callipers (SB 7000)	9533 040 008
Hoist for Meritor brake callipers (Elsa 1, Elsa 2)	9533 040 007
Lifting device for brake disks/drums with hole pitch circle $\varnothing$ 275 mm	9533 040 003
Lifting device for brake disks/drums with hole pitch circle $\varnothing$ 245 mm	9533 040 004
Lifting device for brake disks/drums with hole pitch circle $\varnothing$ 225 mm	9533 040 005
Lifting device for brake disks/drums with hole pitch circle $\varnothing$ 335 mm	9533 040 009



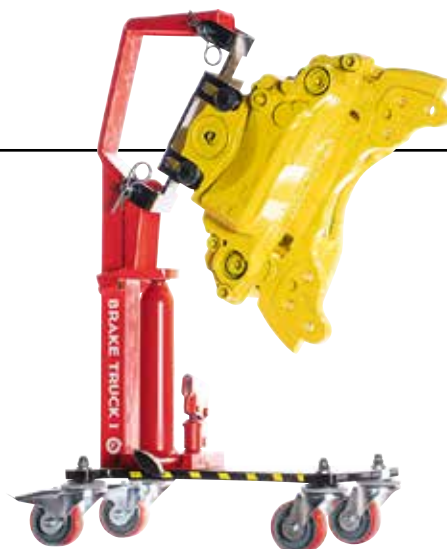
## Brake caliper bracket

### Brake Truck I, Universal

Suitable for    Wheels with 22.5" and 19.5"  
 Load capacity    35 kg  
 Stroke            200 mm

#### Application range

Trucks, trailers or buses on jack stands or lifting platforms (Plus version)



Order no

8005 020 012



## Bracket

### Brake Truck II, for brake hub, brake disc and drum

Suitable for    Wheels with 22.5" and 19.5"  
 Load capacity    49 kg  
 Stroke            200 mm

#### Application range

Brake drums, brake discs and brake hubs of trucks, trailers or buses on jack stands or lifting platforms (Plus version)



Order no

8005 020 013



## Expansion unit

### Disc Extractor DE, for Volvo, Renault and DAF

Floating brake disc, for pressing off the brake disc



Order no

8005 020 019



## Wheel puller

### WE1

Suitable for Tyres with 22.5"  
Load capacity 67 kg  
Stroke 200 mm



Order no

8005 020 026



## Puller

### BE 1, for wheel bolts and ball joint

Version Universal  
Load capacity 42 kg



Order no

8005 020 020



## Battery lift Universal

Load capacity 85-200 kg  
Stroke 840 mm



Order no

8005 020 023



## Puller SE 1, for spring socket

Capacity 32 t  
Weight 59 kg

**Application range**  
For trucks, buses and trailers



Order no

8005 020 022



## Wheel hub puller HE 1

Capacity 96 t  
Weight 59 kg

**Application range**  
For trucks, buses and trailers



Order no

8005 020 021



## Bleeding device universal, pneumatic

simple to use, low own weight so easy to move, filling and bleeding hydraulic equipment, leak test in low pressure range, air and brake fluid are hermetically separate

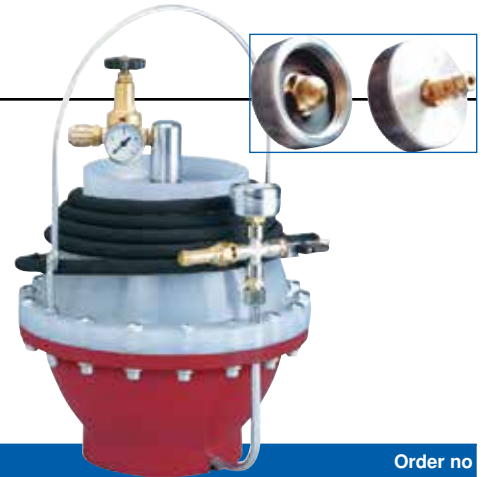
Contents 5 l

### Application range

suitable for all ABS equipment and hydraulic clutches

### Scope of supply

Standard adapter no. 20 for European vehicles



Order no

9539 500 030

7

Brake, axle and engine service



## Bleeding device VARIO 5 II, DOT version

portable and space-saving, pulsing fluid flow, leak test of the brake system in the low pressure range, electronic final shut-down, self-bleeding

Mains voltage	230 V
Power	120 W
Mains voltage	230 V
Pressure range	0-3,5 bar
Length of filling hose	3,5 m
Temperature range	0 to +45 °C
Length of filling hose	3,5 m
Length of mains cable	5 m

### Application range

ideal for smaller workshops, for all ABS systems (including EDS, ESP systems) and hydraulic clutches

### Scope of supply

standard adapter no. 20 for European vehicles, without fluid container



Order no

9539 500 035



## Bleeding device VARIO 5-20 PRO

One-man operation, smart technology with automatic control mechanisms, tightness testing of the brake system in low-pressure range, pulsating fluid flow, electronic limit stop

Suitable for	Brake fluid container 5-20 l
Version	with integrated electro-hydraulic extraction function for expansion tank, incl. collecting bottle
Pressure range	0-3,5 bar
Power	120 W
Length of filling hose	3,5 m
Length of mains cable	5 m
Mains voltage	230 V
Width x height x depth	850 x 850 x 330 mm
Weight	23 kg

### Application range

suitable for all ABS equipment (including EDS, ESP, and SBC equipment) and hydraulic clutches



Order no

9539 500 044

### Accessories

#### Description

Adapter 67BF

Order no

9539 500 033



## Filling and bleeding station VARIO 5 MO, mineral oil version

Self-venting after container change, leak test in the low pressure range, with electronic limit stop

Suitable for	Liquid container 5 l
Version	steplessly adjustable working pressure
Pressure range	0-3,5 bar
Power	120 W
Length of filling hose	3,5 m
Length of mains cable	5 m
Mains voltage	230 V
Width x height x depth	460 x 300 x 320 mm
Weight	10 kg

### Application range

Suitable for hydraulic clutches ( towing vehicles/tractors)

### Scope of supply

Incl. coupling connection No. 67 MO for towing vehicles and tractors



Order no

9539 500 036



## Filling and bleeding station VARIO 5-20 MO II, mineral oil version

One-main operation, intelligent technology with automatic control mechanisms, suitable for hydraulic clutches and gearshift control, stepless adjustment of pressure control range, with electronic deactivation

Pressure range	0-3,5 bar
Power	60 W
Length of filling hose	3,5 m
Length of mains cable	5 m
Rate of delivery	> 40 l/h
Temperature range	0 to +45 °C
Width x height x depth	850 x 400 x 330 mm
Weight	22 kg

Illustration also shows optional accessories



Order no

9539 500 045

### Accessories

Description	Order no
Accessories set, No. 98 MO, MAN TGA, 5-piece, to fit MAN TGA	9539 500 047
Accessories set, no. 102 MO, for mineral oil filling and bleeding device VARIO 5 MO, 6-piece, to fit Mercedes-Benz Actros MP2, Axor, Atego with HPS2 and for clutch system with secondary surge tank	9539 500 048



## Riveting machine

Air-hydraulic, short set-up time, robust design

Material Special tool steel

Max. rivet  $\varnothing$  8 mm

### Application range

For riveting off and on brake shoes

### Scope of supply

1 air-hydraulic foot pump, 4 unriveting pressure pieces, 4 riveting pressure pieces, 3 unriveting support sleeve, 2 riveting spacers, 1 T-handle hexagon socket spanner, 1 pressure gauge, 1 adjusting spanner, 1 assembly mandrel



Version

19-piece

Order no

9501 600 371



## Axle leg bolt press set

### FP 73

Pressing out and pressing in the bolts without removing the front axle, great time saving, easy handling, works in any position, high pressing force, can also be used as stationary and mobile workshop press, 180° rotating press body

Pressure	73 t
Stroke	115 mm
Clearance	250 mm
Piston Ø	65 mm
Traverse bore	70 mm
Version	for MAN special application as well as all other trucks

#### Scope of supply

1 press body, 2 stay bolts, 1 transverse bridge complete, 1 reducer for bridge bore (diameter 70/55 mm), 1 separate hand pump with 1.8 m hydraulic hose, 1 pressure bolt set (8-piece, diameter 21.5 - 39 mm), 1 bridge and piston locking piece, 1 lifting and moving cart (pivoted), MAN special accessories



(Illustration similar)

Order no

9534 004 055

#### Accessories

Description	Order no
Mercedes-Benz bus special accessories, BR 1, BR 2, BR 3 (38 mm diameter), BR 3 (45 mm diameter), BR 4 (bushing), BR 4 (needle bearing), BR 1-LN 1, V 04, VL 5, Ø 45 mm x length 245/120 mm, 11-piece	9534 004 066
Foot pump, suitable for kingpin press FP 50, FP 73, pneumatic-hydraulic	9534 004 023



## Axle leg bolt press

### FP 50

hydraulic pressing jig for pressing kingpins in and out with the axle built in and removed

Pressure	50 t
Stroke	115 mm
Piston Ø	50 mm
Traverse bore	65 mm

#### Scope of supply

Bridge and piston locking pieces, 2 stud bolts with nut, bridge reducer (Ø 55/65 mm), pressure bolt set (6 pieces) in sizes: Ø 21.5 x 1500 mm, Ø 24.5 x 150 mm, Ø 30 x 120 mm, Ø 30 x 220 mm, Ø 34 x 120 mm, Ø 34 x 220 mm, hydraulic hand pump



Order no

9534 004 012

#### Accessories

Description	Order no
Hand pump Suitable for For kingpin press FP 50, FP 73, Hydraulic	9507 300 001
Foot pump, Suitable for Kingpin press FP 50, FP 73, Pneumatic-hydraulic	9534 004 023
Stud accessories set, 6-piece, Suitable for Kingpin press FP 50	9534 004 020



## Axle leg bolt press

### WW-75ts

for pressing in and out the kingpins on truck front axles, usable for both built-in and removable front axles and can therefore be used universally and saves time, pivoting, bush and bolt kits that are required for operation must be ordered separately

Pressure	75 t
Operating pressure	700 bar bar
Length	1200 mm
Width	700 mm
Height	1050 mm

#### Application range

for most truck axles

#### Scope of supply

Press unit with transport cart, 700 bar air-hydraulic pump, 1.8 m high-pressure hose, cylinder admission, bridge, 2 studs, 2 hexagonal nuts 45 mm and 2 setting rings



Order no

9539 112 409

#### Accessories

##### Description

Cylinder for kingpin press, capacity 80 t, working pressure, max. 700 bar

Order no

9539 112 410



## Brake piston resetting tool set

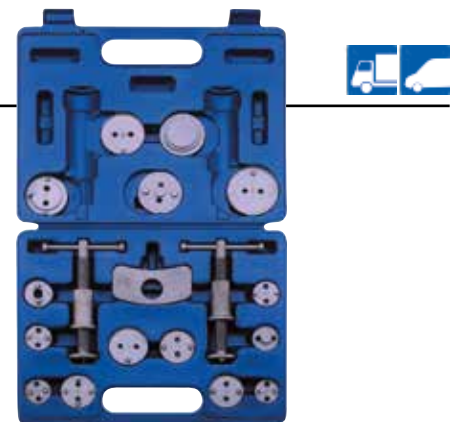
### manual

for brake pistons turning clockwise and anti-clockwise

Suitable for Alfa Romeo, Audi, Citroen, Fiat, Ford, G.M., Honda, Lancia, Mazda, Mercedes-Benz, Mitsubishi, Nissan, Opel, Peugeot, Renault, Rover, Saab, Subaru, Suzuki, Toyota, VW

#### Scope of supply

in case



Version

18-piece

Order no

9539 641 001



#### Accessories

##### Description

Compressed air spindle for brake piston resetting tool

Order no

9539 641 001

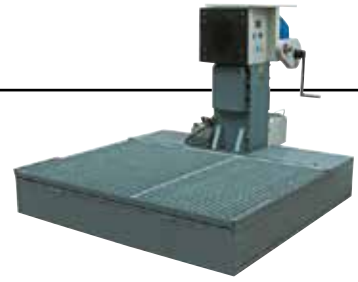


## Assembly/repair stand

### HV 2500

With parking brake, height-adjustable up to 300 mm, self-locking worm gear

Load capacity	2500 kg
Length	1600 mm
Width	1700 mm
Height	1550 mm



Order no

9551 820 098

7

Brake, axle and engine service



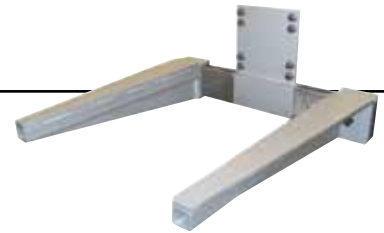
## Engine receptacle universal

By moving the support arms or the individual lugs and adapters, a wide variety of axles, engines or gearboxes can be attached safely and quickly

Suitable for	HV 2500
Load capacity	2500 kg

### Scope of supply

With 1 basic carrier and 2 carrying arms



Order no

9551 820 103

## Valve seat turner

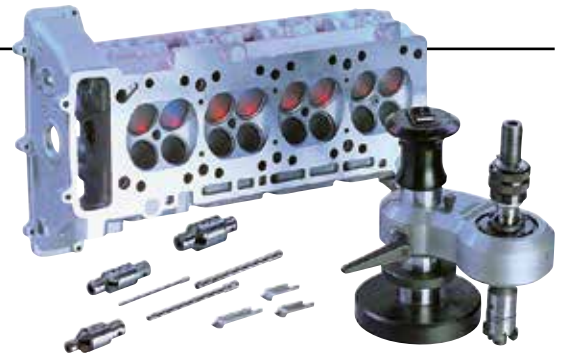
### MIRA VGX-21

Processing takes place manually or optionally using a variable electric drive, the various shaping blades with main seat and corrective seat each (can be manufactured according to requirement or wishes) allow the valve seat to be overhauled with a few rotations, the exact guiding takes place through the respective valve guide mandrels.

Valve guides	3,49-16 mm
Valve seat $\varnothing$	16-75 mm
Valve seat basic drill hole	21-75 mm

### Scope of supply

Clamping bracket for wall mounting, 6 shaping sections, 6 guide mandrels, turning device



Order no

9682 398 040

### Accessories

#### Description

Valve seat milling tool set, valve seat  $\varnothing$  29-70 mm



Order no

9682 398 000



## Clutch centring tool set

For professional and fast assembly of single and double-disc dry clutches, for accurate centring of the clutch disc via the guide bearing in the crankshaft, robust design, with reinforced knurled metal clamping screw

Material special steel

### Application range

universally usable for light commercial vehicles with hub  $\varnothing$  36-52 mm

### Scope of supply

clutch alignment tool 36-45 mm and 42-52 mm, 4 centring sleeves 20, 25, 27 and 30 mm



Version	Order no
6-piece	9501 502 450



## Motor turning gear

for turning an engine by hand when mounted in an engine stand, allows pinpoint accurate alignment

Acceptance 1/2"

Material special steel

### Application range

ideally suited for adjustment work on the engine timing



Drive form	Number of teeth	$\varnothing$ 1	$\varnothing$ 2	Suitable for	Order no
square	9	33 mm	27 mm	DAF	3002 432 248
inner square	8	18,3 mm	29,8 mm	Scania 4 Series, R Series	3002 432 836
hexagon	11			DAF up to 35 t	3002 432 837



## Oil filter cap set

Different cartridges and casings are used in oil and fuel tank filters for commercial vehicles; with this set, almost all oil and fuel filters found in commercial vehicles can be removed and installed.

Colour black

Material thickness 2,5 mm

### Scope of supply

Filter wrench up to 160 mm

Cropped ring spanner size 21, double hexagon

7 bells suitable for:

- Size 36 mm, hexagon - Mercedes-Benz (e.g. Axor engine series 400, Atego engine series 900, Actros engine series 500, buses), Scania (PDE V8-engine, HP1-engine fuel filter), different oil and fuel filter casing covers
- Size 76 mm, 14-edges - MAN (TGM and TGL series), Mercedes-Benz (e.g. Sprinter engine, 600 series)
- Size 106 mm, 15-edges - MAN (8-10 tonnes, L2000 series), Scania (PDE engine, Fiat (Ducato 2.5 D/TD), Iveco)
- Size 107 mm, 15-edges - Volvo, Iveco, Renault, Scania oil filters and fuel filters
- Size 108 mm, 15-edges - Volvo, Iveco, Renault, Scania oil filters and fuel filters
- Size 108 mm, 18 grooves - Renault transporters (Master, Traffic 2.4, 2.5, 2.8 D/TD), Opel (Movano)
- Size 135 mm, 18-edges - MAN 18-48 tonnes series F 2000, TGA, oil filter casing cover in case



Version	Order no
9-piece	9539 641 026

7 Brake, axle and engine service



## Diesel bleeding unit DEG

When changing the diesel filter or the high pressure fuel pump, air is left in the lines after the fuel has been drained. Bleeding of the diesel line is therefore necessary before the engine can be restarted. The electric DEG diesel bleeding unit enables fast and safe bleeding of HDEP/MDEG diesel engines. It uses a powerful pump to send diesel fuel into the line so that trapped air is completely cleared from the fuel circuit. The sealing technology is matched to diesel EN 590 and B7. The pressure is progressively controllable up to 10 bar. The suction tube is fitted with a replaceable filter. The unit is provided with a storage compartment for hoses and tools. It is light and handy and is therefore particularly suitable for mobile use.

**With the approval of Daimler AG.**

Power	1 l/min
Working pressure	0-10 bar
Length of filling hose	2,5 m
Voltage	24 V
Length x width x height	380 x 319 x 260 mm



Order no

9539 642 001

### Accessories

#### Description

Extension cable, especially for buses, 15 m, with battery clamps and fuse

Order no

9539 640 002



## Filling and bleeding station for diesel filters

filling and bleeding of diesel filters while still installed, connected to compressed air, the integrated venturi system creates a powerful vacuum and extracts the fuel

#### Application range

for use when changing a filter, vehicle refuelled with wrong fuel or driven until the tank is empty

#### Scope of supply

matching hoses (4, 6, 8 mm) with plug-in nipple) for all diesel direct injection systems, e.g. HDI, CDI etc., "Chamäleon" based vacuum pump with filling and bleeding kit



Order no

9682 220 511



**KUNZER**  
Qualität verbindet

### Filling and bleeding station for diesel filters

After the fuel filter has been changed, this device fills the system with diesel fuel and the pipe is ventilated. The adapter hoses supplied enable connection to all standard systems (including the new SAE plug systems).

Version pneumatic, one-man operation

**Scope of supply**  
4 x adapter hoses

Order no

9539 641 270

7

Brake, axle and engine service



**KUNZER**  
Qualität verbindet

### Fuel pipe repair kit

Today, PA pipes dominate the line system from the fuel tank to the fuel filter to the engine, with this repair kit all lines can be repaired, no matter if petrol with 8 mm or diesel with 10 mm  $\varnothing$ , all transitions of the different materials can be safely represented (PA pipe-steel pipe, hose-steel pipe, PA pipe-hose), furthermore, all SAE connectors are included that are needed at the fuel filter

**Scope of supply**

- 8 x straight pipe connectors each, 8 and 10 mm
- 3 x 90° pipe connectors each, 8 and 10 mm
- 1 x T-pipe connector each, 8 and 10 mm
- 5 x collar sleeves each, 6 x 0.4 x 22 mm and 8 x 0.4 x 22 mm
- 5 x PA tube piece each, 8 and 10 mm, 50 mm long
- 20 x stepless 1-ear clamp each, 015.3-706 R and 016.6-706 R
- 2 x SAE double connectors each, 5/16-6 and 3/8-5/16
- 3 x SAE plugs each, 9.89-10 mm and 7.89-8 mm, straight
- 3 x SAE plugs each, 9.89-10 mm and 7.89-8 mm, 90°
- 2 x reducing muff, GRS 10-8
- 2 x fuel hoses each, 8 and 10 mm, 450 mm long
- 2 x steel pipes each, 8 and 10 mm, 450 mm long
- 2 x PA pipes each, 8 and 10 mm, 450 mm long
- 1 x steel pipe cutter
- 1 x PA pipe cutter
- in case

Version

116 pieces

Order no

9539 641 120

**BUSCHING**

## Pressure testing device For cooling system

The ideal universal tester for checking the cooling system and the caps, with the inflatable bubble sealing system the tester can be connected to almost all passenger cars and light commercial vehicles, it fits on countersunk and threaded caps of the filler necks of radiators and expansion tanks, a check of the caps (radiator caps) is possible with the help of the 6 double sided adapters

Locating leaks:

- on the cylinder head gasket
- At the radiator and in the heating system
- on the cover and the housing
- At the water pump and at hoses

### Application range

For trucks up to 7.5 t and passenger cars

### Scope of supply

- 1 x plastic hand pump with bubble sealing system
- 2 x adapters for round expansion tanks (e.g. VW, Japanese vehicles)
- 6 x adapters for checking the seals (radiator cap)



Order no

9682 220 667

**BUSCHING**

## Cooling system filling gun

Uses vacuum technology to fill the cooling circuit without trapping air and without overfilling, tests the tightness of the system during filling, integrated conical universal adapter

### Scope of supply

- 1 x filling gun with hose
- 2 x conical universal adapters



Order no

9682 220 024

**KUNZER**  
Qualität verbindet

## Repair kit For cooling system

for the repairs of all commercial vehicle radiator hoses, independent of the vehicle or engine make, all radii can be made up, the connection fittings have a bead on both sides to ensure safe and permanently sealed connections, any unexpected hose defects are repaired immediately and at low cost.

### Scope of supply

- 1 each of hose piece, 38 x 4 mm/50 x 4.5 mm/55 x 4.5 mm/60 x 5 mm 450 mm
- 1 each of hose bend, 38 x 5 mm/50 x 6 mm/55 x 6 mm/60 x 6 mm, 90°
- 4 each of pipe pieces with bead, 38 x 1,5 mm/50 x 1,5 mm/55 x 1,5 mm/60 x 1,5 mm, 60 mm long
- Screw thread clips W2: 4 x Torro 35-50/12 mm, 8 x Torro 50-70/12 mm, 4 x Torro 60-80/12 mm



Version

40-piece

Order no

9539 641 070

**BUSCHING**

## Pressure vacuum pump for pressure and vacuum tests

combined pressure vacuum pump for checking and setting pressure- and vacuum-operated functions on the vehicle, plastic pump with built-in combined switchover and draining valve

Display for pressure: 0-4 bar

Display for underpressure: 0-1000 mbar

### Scope of supply

Hose, accessory kit



Order no

9682 220 014

7

Brake, axle and engine service

**BUSCHING**

## Brake bleeder

### Wonderful

- Limit switch physically/technically controlled, no pressure build-up when container is empty
- WIKA pressure gauge with stainless steel case and glycerine filling, for highest reading accuracy
- Environmentally friendly and clean work, as the brake fluid is taken directly from the container with a hydraulic pump
- No foaming of the brake fluid
- Automatic pressure reduction after switching off the device, pressureless removal of the adapter at the vehicle expansion tank
- Simplest operation of the brake bleeder by one person
- High-quality powder-coated aluminium housing
- Holding device for adapters and rubber cones
- Precision pressure regulator Made in Germany for easy and precise regulation of the filling pressure
- Low pressure test on the vehicle possible
- Extensively expandable due to the patented MaBu design
- Due to the optimized flow rate the gas, air, as well as corrosion parts are flushed out

Version DOT

Voltage 230 V

Unit size: 5/10 l

Length of filling hose: 3.5 m with quick coupling

Length of mains cable: 3.5 m

### Application range

Hydraulic scrubber systems, normal and ABS brake systems

### Scope of supply

1 x Euroadapter E20 made of aluminium and collecting bottle

3 x closure cones for different container sizes

Order no

9682 220 462

**BUSCHING****Belt tension checker**

Compact tool for one-man operation, for easy and quick checking of the tension of belts in Hertz as part of vehicle maintenance or when replacing the belt, can be used for all commercially available belts

Measuring range	30-520 Hz
Cable length	1200 mm
Length	135 mm
Width	50 mm
Height	28 mm
Weight	150 g

Sensor measurements: 18 x 15 x 14 mm

**Scope of supply**

Conversion table for values to check belt setting, 9 V battery, in plastic case



Order no

9682 220 050

**BUSCHING****Test set**

For checking oil pressure, with pressure gauge connection hose 1.30 m

Operating pressure 11 bar

**Scope of supply**

With 90° angle adapter and connectors M10 x 1, M12 x 1.5, M14 x 1.5, M16 x 1.5, M18 x 1.5, 1/8 x 27 NPT, 1/4 x 18 NPT, 3/8 x 24 UNF, 1/2 x 20 UNF, in plastic case



Order no

9682 220 361

**BUSCHING****Test device  
for charge air system**

For checking leaks at hose connections on the charge air system of vehicles with turbocharging, the rough surface of the plugs ensures a better grip during use

**Scope of supply**

1 x regulating unit with pressure gauge  
10 x conical plugs from 25 to 90 mm Ø  
in sturdy case

Order no

9682 220 451

**KUNZER**  
Qualität verbindet

## Compression recorder set

Petrol writer 17.5 bar  
Diesel recorder 40 bar

### Application range

For light trucks and passenger cars

### Scope of supply

Quick-action coupling with accessories, plastic case



Order no

2030 051 622

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Brake, axle and engine service



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## Compressed air, oil and grease technology

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## Choosing the right compressor

### FORMULA Points

The FORMULA points system enables you to make the best choice of compressor and air treatment by answering the following questions.

### Type of operation

Which vehicles are primarily serviced in your workshop?

Even if there are only trucks in your workshop from time to time, you should mark 20 FORMULA Points. This is the only way to ensure that the necessary operating pressure is available.

### Number of employees

The capacity of the compressor is determined by the size of your workshop. If you have more employees, a larger volume of compressed air must also be provided.

### Other compressed air consumers

Painting booths and sandblasting equipment are often underestimated in terms of their compressed air consumption. Yet these consumers place special demands not only on the quantity of compressed air but also on the quality of the compressed air.

	FORMULA Points
Passenger cars, light commercial vehicles (vans)	0
Truck	20
1 employees	2
2-3 employees	4
4-6 employees	6
6-10 employees	10
Sandblasting	5
Paint booth	5
<b>Total</b>	

### Piston compressor

Model	Order no	FORMULA Points
Airmobil 401/50-10 400 V	9534 004 427	1
Airmobil 521/90-10, 400 V	9534 004 429	2
Airmobil 721/90-10, 400 V	9534 004 430	2
TWIN Logos 530/270 H	9534 004 423	3
TWIN Logos 530/270 V	9534 004 424	3
TWIN Logos 650/270 H	9534 004 386	5
TWIN Logos 650/270 H Box	9534 004 387	5
TWIN Logos 650/270 V	9534 004 388	5
TWIN Logos 920/500 H	9534 004 425	7
TWIN Logos 920/500 V	9534 004 426	7
TWIN Works 490/300 H	9534 004 431	23
TWIN Works 490/270 V	9534 004 432	23
TWIN Works 530/300 H	9534 004 389	24
TWIN Works 530/270 H Box	9534 004 390	24
TWIN Works 650/500 H	9534 004 433	25
TWIN Works 650/500 V	9534 004 434	25

### Compressed air station

Model	Order no	FORMULA Points
MONSUN Fast S 5,5-10 bar	9534 004 420	27
MONSUN Fast S 7,5-10 bar	9534 004 397	28
MONSUN Fast S 11-10 bar	9534 004 421	31
MONSUN Fast S 15-10 bar	9534 004 422	36

Suitable compressed air preparation systems on request!





## Piston compressor

### TWIN Works

Efficient compressed air aftercooler for low compressed air outlet temperatures, low thermal and mechanical loads due to 2-stage design, galvanised pressure vessel with integrated hand hole for easy cleaning and testing, IP54-tested electric motor with ISO F winding, low speed for long service life, low wear, maximum running smoothness and high efficiency, maintenance-free reed valves

Operating pressure 15 bar

#### Scope of supply

Ready-to-connect, air-cooled unit with belt protection, motor protection, belt tensioning device, fittings, pressure switch control, operating hours counter and automatic start-up relief

**For 4 kW motor power, the regulations of the local electrical works must be observed!**

Model	Motor power	Intake power	Filling capacity	Container volume	Width x height x depth	Order no
TWIN Works 490/300 H	3 kW	471 l/min	370 l/min	300 l	1800 x 1150 x 600 mm <sup>1</sup>	<b>9534 004 431</b>
TWIN Works 490/270 V	3 kW	490 l/min	370 l/min	270 l	1200 x 2010 x 800 mm <sup>3</sup>	<b>9534 004 432</b>
TWIN Works 530/300 H	4 kW	530 l/min	405 l/min	300 l	1800 x 1230 x 600 mm <sup>1</sup>	<b>9534 004 389</b>
TWIN Works 530/270 H Box	4 kW	530 l/min	405 l/min	270 l	1800 x 1510 x 700 mm <sup>2</sup>	<b>9534 004 390</b>
TWIN Works 650/500 H	5.5 kW	666 l/min	490 l/min	500 l	1970 x 1300 x 590 mm <sup>1</sup>	<b>9534 004 433</b>
TWIN Works 650/500 V	5.5 kW	650 l/min	490 l/min	500 l	1200 x 2100 x 900 mm <sup>3</sup>	<b>9534 004 434</b>

<sup>1</sup> Compressor on horizontal pressure vessel, without acoustic hood

<sup>2</sup> Compressor on horizontal pressure vessel, with acoustic hood

<sup>3</sup> Compressor on vertical pressure vessel, without acoustic enclosure



This figure corresponds to 9534 004 435

#### Accessories

Description	Order no
Cold dryer BT 36-16, 230 V, volume flow 36 m <sup>3</sup> /h	<b>9534 004 435</b>
Condensate drain, BEKOMAT 31, electric	<b>9534 004 630</b>
Hose for compressed air tank, flexible, 20 bar, volume 250-350 l, 1/2"	<b>9539 004 434</b>
Bearing for stationary pressure vessels, elastic	<b>9539 004 433</b>



## Piston compressor UniMaster STS 580-15-270

V-belt driven, two-stage compressing 2-cylinder piston compressor, with rubber swinging elements for safe standing, with intercooler and aftercooler, easily accessible condensate drain cock, additional sleeves with blind plugs for problem-free extension (except 90 l container), space-saving due to upright construction, flexible extension of a refrigeration dryer possible, simple and cost-saving inspection of the container possible through hand hole opening

Version Compressor on upright pressure vessel  
Voltage 400 V

**15-year guarantee on tank against rusting through due to internal coating**



Motor power	Pressure, max.	Intake power	Filling capacity	Container volume	Length x width x height	Order no
4 kW	15 bar	580 l/min	470 l/min	270 l	750 x 705 x 1800 mm	5740 022 000

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Compressed air, oil and grease technology



### Accessories

Description	Fig.	Order no
Condensate drain Ecomat 3100, 2500 l/min	1	9505 745 023
Add-on set ABZ-Eco 3100 Uni, for Ecomat condensate drains on pressure vessels, refrigeration dryers and filters	2	9574 605 080
Oil-water separator Öwamat 10, 2400/1700 l/min	3	9574 601 001
Connecting hose, 1300 mm	-	9574 605 081



## Piston compressor AIRPROFI

Two-stage compressing 2-cylinder high-performance unit enables very low speed, therefore particularly quiet and low-vibration running, large fan wheel ensures optimum cooling, intercooler and aftercooler ensure low tank inlet temperature and reduce condensate formation, quality electric motor with high starting torque, electric motor equipped with motor protection switch, flexible armoured hose with heat protection prevents vibration breakage, high-quality CONDOR pressure switch as standard, ready to connect with all fittings

Version Compressor on upright pressure vessel  
Voltage 400 V

**15-year guarantee against rusting on the inside and outside of the hot-dip galvanised air reservoir**



This figure corresponds to 9502 018 736

Model	Pressure, max.	Motor power	Intake power	Filling capacity	Container volume	Length x width x height	Order no
AIRPROFI 703/270/15 V	15 bar	4 kW	575 l/min	460 l/min	270 l	745 x 620 x 1870 mm	<sup>1</sup> 9502 018 735
AIRPROFI 703/270/15 VK	15 bar	4 kW	575 l/min	460 l/min	270 l	745 x 620 x 1870 mm	<sup>2</sup> 9502 018 736
AIRPROFI 703/270/15 VKK	15 bar	4 kW	575 l/min	460 l/min	270 l	745 x 620 x 1870 mm	<sup>3</sup> 9539 003 826
AIRPROFI 753/270/15 V	15 bar	5.5 kW	750 l/min	525 l/min	270 l	780 x 710 x 1870 mm	<sup>1</sup> 9539 003 825
AIRPROFI 753/270/15 VKK	15 bar	5.5 kW	750 l/min	525 l/min	270 l	780 x 710 x 1870 mm	<sup>3</sup> 9539 003 827

<sup>1</sup> Scope of supply: Bearing for compressor, hose for pressure vessel

<sup>2</sup> Scope of supply: Refrigeration dryer, fine filter, standing pallet, oscillating elements

<sup>3</sup> Scope of supply: Refrigeration dryer, automatic condensate drain, condensate conditioner for oil-water separation, fine filter, stand pallet, oscillating elements



## Piston compressor

### Airmobil

High-performance compressed air aftercooler for low compressed air outlet temperatures, IP54-tested electric motor with ISO F winding, low speed for long service life, low wear, smoothest possible running and high efficiency, maintenance-free reed valves

Version Mobile compressor on a horizontal pressure vessel  
 Operating pressure 10 bar  
 Steps 1

#### Scope of supply

Motor protection, suction filter, safety valve, non-return valve, condensate drain valve, automatic pressure switch, reducing valve, pressure gauge and hose coupling, chassis, cable with plug



Model	Motor power	Intake power	Filling capacity	Container volume	Width x height x depth	Order no
Airmobil 401/50-10 400 V	2.2 kW	400 l/min	275 l/min	50 l	1080 x 800 x 400 mm	9534 004 427
Airmobil 521/90-10, 400 V	3 kW	500 l/min	360 l/min	90 l	1250 x 840 x 400 mm	9534 004 429
Airmobil 721/90-10, 400 V	4 kW	700 l/min	565 l/min	90 l	1080 x 400 x 800 mm	9534 004 430

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Compressed air, oil and grease technology



## Piston compressor

### UniMaster UNM

Mobile, V-belt driven piston compressor for applications with high air demand due to powerful 2-cylinder unit, better working results due to filter pressure reducer, low compressor speed, therefore lower noise level and reduced vibrations

Version Mobile compressor on a horizontal pressure vessel

**10 year tank guarantee against corrosion**



This figure corresponds to 9557 420 108

Model	Pressure, max.	Motor power	Intake power	Filling capacity	Container volume	Length x width x height	Order no
UniMaster UNM 410-10-50 W	10 bar	2,2 kW	410 l/min	295 l/min	50 l	950 x 410 x 815 mm	<sup>1</sup> 9557 420 108
UniMaster UNM 660-10-90 D	10 bar	4 kW	660 l/min	520 l/min	90 l	1110 x 495 x 1015 mm	<sup>2</sup> 9557 420 110
UniMaster UNM 580-15-90 D	15 bar	4 kW	580 l/min	470 l/min	90 l	1110 x 495 x 1015 mm	<sup>2</sup> 9574 715 100

<sup>1</sup> Voltage: 230 V

<sup>2</sup> Voltage: 400 V



## Piston compressor AIRPROFI 703/75/13

High-performance unit made of grey cast iron and low speed guarantee maximum running smoothness and long service life, aftercooler with large cooling fins ensures low boiler inlet temperature and thus less moisture in the compressed air, quality electric motor with high starting torque is protected against overheating and overload by motor protection switch, with comfort safety quick coupling and high-quality CONDOR pressure switch, with all safety devices, completely ready for connection

Version Mobile compressor on a horizontal pressure vessel  
Voltage 400 V

**15-year guarantee against rusting on the inside and outside of the hot-dip galvanised air reservoir**

TÜV free - ZÜS type tested, installation and recurring tests can therefore also be carried out by a competent person. Valid only in Germany.



Pressure, max.	Motor power	Intake power	Filling capacity	Container volume	Length x width x height	Order no
13 bar	4 kW	575 l/min	460 l/min	75 l	1020 x 440 x 1015 mm	9502 018 734

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Compressed air, oil and grease technology



## Compressor ReelMaster REM 160-8 WOF

Oil-free compressor in hose reel, compact dimensions due to fully enclosed compressor unit, plug-and-play system

Voltage 230 V  
Hose length 1000 mm

### Scope of supply

Compressed air hose 10 m, wall bracket and blow-out gun



Pressure	Motor power	Intake power	Filling capacity	Width x height x depth	Order no
8 bar	1.1 kW	160 l/min	70 l/min	280 x 495 x 385 mm	9517 120 013



## Hose winder

### For compressed air

Automatic hose reel made of plastic, multiple ratchet per revolution, lock can be switched off, with swivelling mounting bracket

Pressure, max. 10 bar

#### Application range

For wall or ceiling mounting

#### Scope of supply

PU hose DN 08 and stopper, connection hose 1 m



This figure corresponds to 9172 466 250

Hose length	DN	Length x width x height	Order no
8 m	8 mm	355 x 315 x 190 mm	9172 466 250
15 m	8 mm	360 x 330 x 200 mm	9172 466 254

#### Accessories

Description	Order no
Safety Control System Rapid-SCS®, controlled rewind technology	9539 003 599



## Hose winder

### For compressed air, water, oil and diesel

Automatic hose reel in lacquered steel design, variable discharge window with PVC rollers, multiple ratchet per revolution.

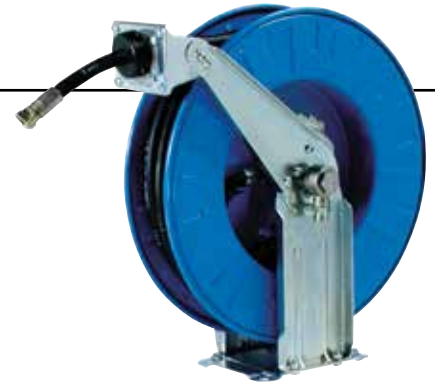
Pressure, max. 50 bar

#### Application range

For wall, floor and ceiling mounting

#### Scope of supply

Rubber hose 2 TE and stopper



Hose length	DN	Length x width x height	Order no
15 m	12 mm	490 x 200 x 490 mm	9539 009 004

#### Accessories

Description	Order no
Safety Control System Rapid-SCS®, controlled rewind technology	9539 003 599



## Cable winder

automatic, with multiple catch possibilities and spring reset for optimum working use, fully insulated, overheating protection, with automatic spring function and slip ring, pivoting mounting bracket, catch can be switched off, maintenance-free

Protection class IP24



This figure corresponds to 9172 466 262

Version	Connection	Cable length	Length x width x height	Order no
For 230 V – Series 0	shockproof	15 m	340 x 200 x 320 mm	9172 466 262
For 230 V – Series 0	shockproof	25 m	450 x 195 x 361 mm	9172 466 264
For 400 V – Series 0	CEE	10 m	355 x 315 x 190 mm	9539 100 007
For 400 V – Series 0	CEE	20 m	440 x 510 x 230 mm	9172 466 265



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Compressed air, oil and grease technology

## Oil discharge set mobile

For holding barrels, easy changing of drums due to low loading platform, stable chassis with 2 castors and 2 swivel castors, 2 m oil delivery hose DN12, manual flow meter incl. outlet and holder

Rate of delivery 10 l/min

**Cannot be calibrated!**

Model	Suitable for	Version	Length x width x height	Fig.	Order no
ÖAM 200/2 ZP	200 litre barrel	Pneumatic pump including suction pipe and pressure reducer	1005 x 760 x 1000 mm	1	9132 473 300
ÖAM 200/2 ZE	200 litre barrel	Electric pump incl. suction hose	1005 x 760 x 1000 mm	2	9132 473 302
ÖAM 60/2 ZP	60 litre barrel	Pneumatic pump including suction pipe and pressure reducer	460 x 490 x 970 mm	3	9132 473 305
ÖAM 60/2 ZE	60 litre barrel	Electric pump incl. suction hose	460 x 490 x 970 mm	4	9132 473 307



## Used oil pickup AOG 1003/3, mobile

with compressed air drain, pressure reducer set at 0.8 bar, gate valve and clamping screw for pressure draining, safety valve, 2 m transparent hose outlet, filling level indicator, steering yoke, 4 wheels, 2 of which are castors

Capacity 80 l  
Working height 1200-1600 mm  
Length x width x height 500 x 500 x 1250 mm

### Application range

for collecting used oil of known source (flashpoint > 55 °C) from machines and vehicles, below lifting platforms

### Scope of supply

Collection funnel, round, Ø 600 mm



Order no

9539 050 012



**rapid**  
GRASSMANN TECHNOLOGY



## Waste oil extractor mobile

Version with height-adjustable handle  
Working height 1200-1600 mm

Extraction capacity: approx. 3l/min. at oil temperature 80 °C

### Application range

For collection and extraction of waste oil of known origin (flash point > 55 °C) from machines and vehicles

### Scope of supply

with round attachment hopper  $\varnothing$  600 mm, incl. extraction probe set

Model	Capacity	Description	Length x width x height	Fig.	Order no
AOS 1205	120 l	Extraction by means of vacuum principle, emptying by means of compressed air cushion	520 x 490 x 1140 mm	1	9539 051 060
AOS 1201	120 l	Extraction and emptying by means of double diaphragm pump type OP 20 K II	500 x 500 x 1200 mm	2	9539 051 010
AOS 1005/3	80 l	Extraction by means of vacuum principle, emptying by means of compressed air cushion	600 x 600 x 1200 mm	3	9539 051 003



## Electric pump

Draws motor, diesel and heating oil without any problems, approx. 3 l/min (40 °C oil temperature) when changing oil with probe, with crocodile clips for battery terminals, suction- and pressure-side connection for 1/2" hoses, a probe (approx. 800 mm long, outer  $\varnothing$  6 mm) for the dipstick shaft is included, firmly connected to a suction hose, housing made of glass-fibre reinforced polyamide

Voltage 12 V  
Rate of delivery 250 l/h  
Dimensions 120 x 90 x 90 mm

Order no  
2300 063 362



## Storage and disposal tank

Double-walled tank with PE inner tank, outer tank steel sheet jacket hot-dip galvanised on both sides, 4 x 2" IG-openings, incl. steel pipe pallet, installation without additional sump tray, incl. level indicator

**Approved for the transport of dangerous goods according to packaging group II and GF AIII VbF, approval according to no. - Z-40.21-133, transport approval according to GGV-road and GGV-railway for the tank with pallet available**



Model	Container volume	Length x width x height	Order no
T/S 700	700 l	1135 x 757 x 1210 mm	9539 466 260
T/S 1000	700 l	1135 x 757 x 1640 mm	9539 466 261



### Accessories

Description	Fig.	Order no
Intake pipe, ASR 700, 2", suitable for 700 l tank	1	9539 027 112
Intake pipe, ASR 1000, 2", suitable for 1000 l tank	1	9539 466 267
Ventilation cap, with 100 mm pipe	2	4926 027 110
Pipe bend to suction pipe, 90 degrees, with 2" thread and tanker coupling	3	9539 466 270
Filling funnel, lockable, incl. drip screen	4	9539 466 262
Step-up, 2-stage	5	9539 466 263



## Tank system

### For waste oil

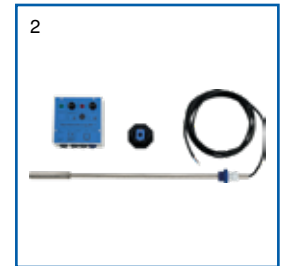
Integrated drip pan, optical leakage indicator, integrated filling nozzle with dirt sieve, integrated draining surface for oil-contaminated parts, e.g. oil filter, suction pipe with TW coupling, ventilation cap, level indicator, additional connections 1" and 2", with hinged lid, approved for outdoor installation, fully assembled

With general building approval Z-40.21-510



This figure corresponds to 9539 780 107

Model	Container volume	Width x height x depth	Order no
Outdoor Premium	1000 l	1200 x 1800 x 800 mm	9539 780 107
Outdoor Premium	1500 l	1200 x 1800 x 1150 mm	9539 780 108
Outdoor Premium	2500 l	1200 x 1800 x 1800 mm	9539 780 109



#### Accessories

Description	Fig.	Order no
LED lighting unit, with motion sensor and battery	1	9539 780 106
Overfill protection, electronic	2	9529 466 261



## Gear oil cart

### GÖK 60/2, Mobile

Gear oil pump running forwards and backwards

Suitable for Oils up to SAE 140  
Volume 20-60 l  
Length x width x height 500 x 450 x 150 mm

Chassis 2 swivel castors (70 mm Ø), 2 wheels (150 mm Ø)  
Length of output hose 1.5 m  
Quantity supplied per stroke 0.25 l

#### Scope of supply

Output hose with discharge muff incl. blocking tap, transport base, type ÖAM 60/2



Order no

9539 023 002

**CEMO****Tank system****For AdBlue®**

With integrated leakage indicator, optical leakage indicator, filling connection with 2" dry coupling, overflow protection, level indicator, electric pump (230 V, 35 l/min), automatic nozzle with nozzle holder, completely assembled, wired ready for connection in a terminal box

Container volume 2500 l  
Width x height x depth 1200 x 1800 x 1800 mm

**With general building approval Z-40.21-510**



This figure corresponds to 9130 466 501

Model	Version	Order no
CUBE Outdoor Basic	6 m filling hose, winter package (with heater 250 W for the fitting area), with hinged cover	9130 466 500
CUBE Outdoor Premium	Counter K24, hose reel with 8 m filling hose, winter package (with heater 250 W for the fitting area), with hinged cover	9130 466 501

**CEMO****Tank system****For diesel**

With integrated drip tray, with visual leakage indicator, filling connection with TW coupling and limit indicator, vent cap, level indicator, extraction line, 230 V electric pump, automatic nozzle with nozzle holder, with hinged cover approved for outdoor installation, fully assembled

Version K33 metre, filter with water separator, hose reel with 8 m hose, with hinged cover

**With general building approval Z-40.21-510**



This figure corresponds to 9130 466 285

Model	Container volume	Width x height x depth	Order no
CUBE Outdoor Premium	1000 l	1200 x 800 x 1800 mm	9130 466 283
CUBE Outdoor Premium	2500 l	1200 x 1800 x 1800 mm	9130 466 285

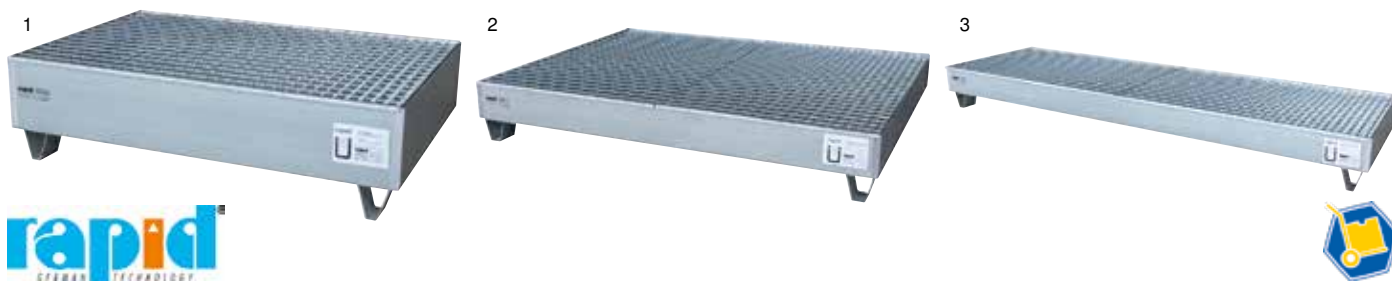


### Drip pan

corrosion-proof and extremely stable, matched to Euro pallet size  
 Material made of glass-fibre reinforced plastic

Delivery without accessories

Collection volume	Length x width x height	Version	Order no
150 l	1200 x 800 x 165 mm		9539 466 230
150 l	1210 x 810 x 165 mm	with angled securing bracket	9539 466 232



### Drip pan

prescribed in accordance with the Water Resources Act (WHG - Wasserhaushaltsgesetz) for the storage and installation of single-walled containers, barrels and canisters, for water-polluting liquids, with grating and feet

Surface galvanised

type tested according to compliance mark, TÜV Hessen, WS-Ü 12/12-01 according to building rules list A part 1, serial number 15.22

Model	Collection volume	Version	Load capacity	Length x width x height	Fig.	Order no
W10	210 l	rectangular	500 kg	1200 x 800 x 325 mm	1	9539 025 001
W12	260 l	rectangular	1000 kg	1600 x 1200 x 240 mm	2	9539 025 003
W13	252 l	long	1000 kg	2400 x 700 x 250 mm	3	9539 025 007



### Collecting pan for garage pits

#### AOG 1004-M/1, mobile

for collection of used oil of known origins (> 55 °C), swivelling steering handle, removable strainer insert, drain cock

Chassis: 4 wheels Ø 180 mm of which 2 steerable Ø 80 mm



Capacity	Length x width x height	Order no
60 l	950 x 600 x 915 mm	9539 053 003



### Collecting pan for garage pits without pump

Sheet metal pan for collecting used oil of the types AIII VbF in pits, emptied by means of drain tap, removable screen insert, intermediate pit container no longer required  
**The 4 wheels can be adjusted for pit profiles from 780 to 1350 mm in width.**

Model	Capacity	Length x width x height	Order no
AOG 1004/1	60 l	800 x 700 x 270 mm	9539 053 001
AOG 1004-B/1	100 l	1000 x 700 x 270 mm	9539 053 002

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Compressed air, oil and grease technology



### Drip pan

Due to the dimensionally stable design, the tub with its 4-chamber system enables safe transport and easy emptying via the four pouring edges

Collection volume	Length x width x height	Order no
20 l	690 x 440 x 105 mm	9539 466 179
55 l	1010 x 730 x 125 mm	9539 466 180



### Drip pan

Raised rim prevents spillage of contents, pouring device for decanting, sturdy carrying handles, acid, chemical, oil and petrol resistant

Version Lockable, with drip trays for oil filters, mobile  
 Material Acid-resistant plastic (PE)



Collection volume	Length x width x height	Order no
58 l	920 x 600 x 250 mm	9539 780 111



### IBC collection trough

With PE perforated plate, high chemical resistance, can be moved under with forklift truck or hand pallet truck (not for transport when full)

Suitable for 1 x 1000-litre tank  
 Material Polyethylene (PE-LMD)

**Application range**  
 e.g. for AdBlue® IBC

With general building approval Z-40.22-451

Collection volume	Length x width x height	Order no
1100 l	1450 x 1450 x 1000 mm	9539 780 113



### Oil pan

specially shaped for use in the rim well, collects the oil when the hub cover is undone or removed, prevents loss of oil during axle repair or checking, deeper rim prevents overflow spillage, spout opening for easy emptying

Suitable for rim size from 35 cm (13-3/4") inner diameter  
 Collection volume 3 l  
 Material PP (polypropylene)

**Application range**  
 specially for rear axle hubs on trucks



Order no
9539 641 192



### Barrel shelf

for regulation-conform and space-saving storage of barrels and other containers, hot-galvanised with GRP drip pan, thanks to their corrosion resistance the GRP pans may be placed directly on the floor, simple and quick assembly

- Collection volume 65 l
- Overall height 1310 mm
- Tier height 630 mm
- Height of upper level 1150 mm
- Width 450 mm
- Depth 820 mm

Drip pan with general approval by the building authorities Z-40.12-227 from DIBt-Berlin



Delivery without accessories

Order no

9130 466 150

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Compressed air, oil and grease technology



### Filling funnel

Large surface area, rests on the entire circumference, prevents spillage, oil filters etc. can drip off cleanly and easily, with dirt sieve



Suitable for	Ø	Height	Order no
60 l barrels	390 mm	160 mm	9539 466 209
200 l barrels	560 mm	150 mm	9539 466 208



## Lubricating device mobile

Grease gun with holder, 3-way rotary joint and pressure reducer (fixed at 8 bar)

Gear train 1:55

Grease pressure max. 440 bar (7500 PSI)

Feed power max. 660 ccm/min, depending on grease class

Output hose 4 m, with 3-fold rotary joint

Transport base with 4 wheels, 2 of which are casters

### Scope of supply

Grease pump, type 90 L 20/30/1



This figure corresponds to 9539 061 100

Suitable for	Length x width x height	Grease follower plate-Ø	Order no
30 kg container	450 x 450 x 840 mm	300-340 mm	9539 061 100
50 kg container	550 x 550 x 940 mm	360-400 mm	9539 061 102
200 kg container	700 x 780 x 940 mm	540-580 mm	9539 061 105



## Grease pump EXP 90 L 20/30/1

Easy application of grease and multi-purpose grease, with pressure reducer fixed at 8 bar

Version Pneumatic

Suitable for 50 kg grease drum, Ø 320-330 mm

Transmission ratio 1:55, bold max. 440 bar 6000 PSI

Feed power max. 600 ccm/min, depending on grease class

Compressed air connection 1/4" IT

Grease connection, pressure side 1/4" ET

### Application range

Installation in the pipe system or application directly from the barrel



Order no

9539 060 001



## Cordless grease gun

rugged design, form collar with sealed seating with loose grease or cartridges, with filling nipple and air vent valve, secure handgrip on the connecting rod, 2 adjustable grease conveying speeds, with stand base and hose bracket, LED light on the grease gun head, battery status is displayed on the grease gun and on the battery

Version for 400 g grease cartridge or loose grease

Operating pressure max. 400 bar

Pressure max. 680 bar

Rate of delivery approx. 150

Charging time approx. 1 h

Length x width x height 380 x 205 x 110 mm

### Scope of supply

- High-pressure grease supply hose with bend protection spring, 11 x 1000 mm
  - Precision nosepiece, 4 BA, M 10 x 1 i
  - Reducer piece, G 1/8" i, M 10 x 1 a and reducer piece, NPT 1/8" i, M 10 x 1 a
  - Galvanised, grease gun tube
  - 2 lithium-ion batteries (20 V/2000 mAh)
  - Battery charging unit 230
- in carrying case



Order no

9500 018 051

# mato

## Hand lever grease gun

### E500

Short-stroke system, infinitely variable piston rod fixation by permanent spring-load, filling/vent valve, ergonomic handle, for 400 g cartridges or 500 g loose grease

Version	First class
Working pressure	> 400 bar
Connection thread	M10 x 1
Material	all-steel
Standard	DIN 1283

maximum pressure up to over 800 bar possible

#### Scope of supply

without accessories

TÜV, DLG, BLT approved



Order no

2300 061 640

8

Compressed air, oil and grease technology



## Two-handed grease press

simple design due to vacuum principle, fast and clean cartridge replacement, environmentally-friendly due to the cartridge being completely emptied, constant monitoring of the fill level and type of grease type possible, ergonomic handles, non-slip

Version	For 500 g screw-in cartridges
Connection	M10 x 1
Length x width x height	350 x 195 x 30 mm

Delivery volume per stroke 2.4 cm<sup>3</sup>  
 Complete emptying 222 strokes  
 Delivery pressure max. 400 bar  
 System bursting pressure 850 bar  
 Grease gun head bursting pressure 1200 bar

#### Application range

for optimum use in agriculture, building construction, underground construction, road building, for greases up to NLGI 2

#### Scope of supply

Hose holder, armoured hose 11 x 300 mm with sealing ring and precision mouthpiece with 4 turned jaws



Order no

9198 544 164



## Electric pump WX 40

Voltage 230 V  
Driving power 320 W  
Weight 4.5 kg

Suction stage with barrel thread M64 x 4 and G2".

### Application range

For diesel, biodiesel (RME), heating oil and radiator antifreeze (undiluted)

### Scope of supply

Suction hose with filter (1600 mm), delivery hose (4 m, DN 19), siphon protection, anti-kink spring and nozzle (PP)

**Not suitable for cold-pressed rape oil!**



Model	Rate of delivery	Scope of supply	Order no
WX 40	40 l/min	Suction hose with filter (1600 mm), delivery hose (4 m, DN 19), siphon protection, anti-kink spring and nozzle (PP)	9539 528 009
WX 40 A	35 l/min	Suction hose with filter (1600 mm), output hose (4 m, DN 19), siphon protection, automatic nozzle type DZP 20 (with type approval)	9539 528 012

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## Electric pump

Electric, self-priming hybrid pump, nozzle holder incl. drip cup, stainless steel mounting bracket, suction hose with SEC coupling

Power 0,55 kW  
Rate of delivery 48 l/min  
Voltage 230 V  
Current consumption 2,6 A  
Thread G2  
Protection class IP54

### Application range

For AdBlue®, suitable for common IBC containers and 200 l drums with SEC connection and integrated suction line



This figure corresponds to 3566 730 032

Model	Version	Order no
IBC compact pump system HORNET W 85 H INOX LIGHT	Standard dispensing nozzle	<sup>1</sup> 3566 730 032
IBC compact pump system HORNET W 85 H INOX	automatic dispensing valve A 2003-KS	<sup>2</sup> 9539 780 016
IBC compact pump system HORNET W 85 H INOX FMT 3	automatic dispensing valve A 2003-KS and electronic flow meter FMT 3 (cannot be calibrated)	<sup>2</sup> 9539 780 017

<sup>1</sup> Dispensing hose 4 m

<sup>2</sup> Dispensing hose 8 m

### Accessories

This figure corresponds to 9539 780 027



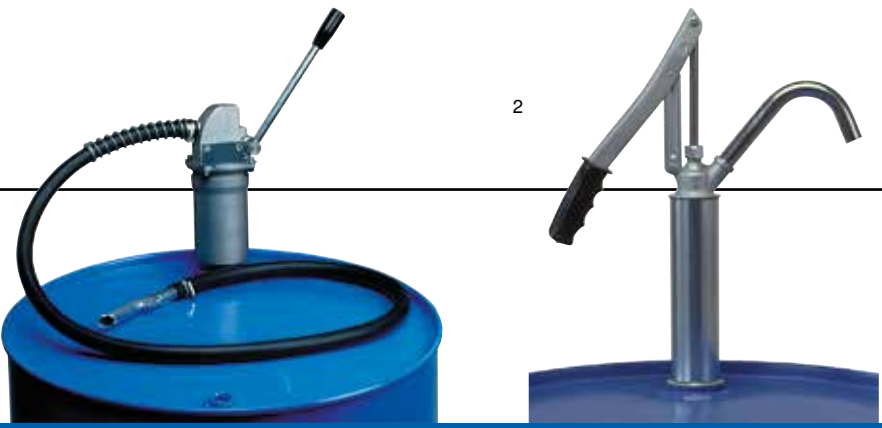
Description	Order no
Flow meter, electronic, FMT 3, retrofit kit for HORNET 85	9539 780 027
Add-on set for FMT 3, universal 2 x DN 19	9539 780 028

Compressed air, oil and grease technology



1

2



**Hand pump**

NBR seal

Suitable for Barrels with 50-200 l and 2" thread  
 Rate of delivery approx. 0.3 l/lift

**Application range**  
 For oil and diesel

Model	Version	Fig.	Order no
HP 840	Thin lubricating oils, made of aluminium, delivery hose DN 18 x 1.5 m with outlet pipe, locking device, steel suction pipe	1	9132 473 311
HP 012/1	Lubricating oil up to max.150 mm <sup>2</sup> /s, galvanised steel, with outlet bend and telescopic suction tube	2	9198 544 163

8

Compressed air, oil and grease technology



**Hand-lever piston pump**

**HP 700**

Suitable for Barrels with 50-200 l and 2" thread  
 Rate of delivery 0.5 l/lift  
 Material Aluminium

**Application range**  
 For light mineral and machine oils

**Scope of supply**  
 Can stand with overflow collector, outlet bend, steel suction pipe



Order no  
 9132 473 310



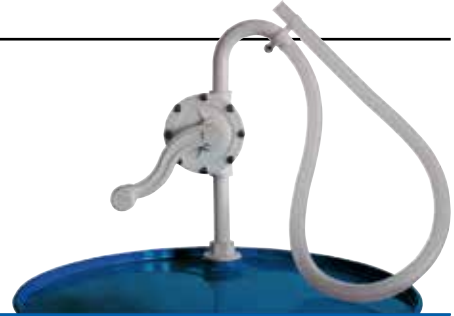
**Hand-lever piston pump**

**HPA-S, for urea, AdBlue®**

Plastic inlet pipe, EPDM seal, barrel adapter inner thread 2"/outer thread Mauser

Suitable for 50 to 200 litre barrels  
 Stroke 0,3 (U\_/Umdr)  
 Connection thread 2"  
 Material polypropylene

**Scope of supply**  
 output hose 1.2 m long with stainless steel discharge spout Ø 19 mm



Order no  
 9198 544 179

## Tank pump For AdBlue® urea solution

suitable for employment on AdBlue® urea solution containers, self-suctioning, suction hose (1.5 m long, Ø 20 mm) with bottom cock and filter, discharge hose (4 m long, Ø 20 mm)

Suitable for 1000 l container  
Rate of delivery 40 l/min



This figure corresponds to 9066 170 014

Version	Order no
With basic pump without meter, with manual nozzle	9066 170 014
With flow meter and automatic switch-off, with automatic nozzle	9066 170 010



### Accessories

Description	Fig.	Order no
Flow meter	1	9066 170 017
Pump nozzle, Piusi SB325	2	9562 941 270
Hose	-	1165 000 208
Attachment point for dispensing pistol	3	9066 170 018



## Tank pump for AdBlue® urea solution

low hazard of contamination through AdBlue®, suitable for IBC and drums, secure against dry run, optimum residual drainage of the containers through impeller wheel at the end of the immersion tube, switch-off after 5 minutes

Version **with controllable speed**  
Length of tube 1150 mm  
Voltage 220-240 V

**Application range**  
ideal for filling SCR systems of truck, buses, transporters and cars

**Scope of supply**  
PVC hose DN, 4 m long, 19, fuel-filling nozzle

**without flowmeter, drum adapter must be ordered separately**



Order no
9539 488 600



### Accessories

Description	Fig.	Order no
Flow counter	1	9539 488 601
Pump nozzle, type 0204-450	2	9539 488 602
Adapter, BCS 56 x 4	3	9539 488 613
Adapter, BCS 70 x 6	4	9539 488 612

**EICHNER**



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**PRMAT**  
QUALITÄTSSERZEUGNIS



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**fetra**  
.....

Transportgeräte



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**GUNZBURGER**  
**STEIGTECHNIK**



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**EURO**  
**PART**



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**ENDRESS** 



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## General workshop requirements

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Ladders and steps .....	232–233
Fire protection.....	234
Lighting .....	235–239
Power generator .....	240–241
Consumables.....	242–244



Illustration also shows optional accessories



## Shelf system galvanised

everything orderly and tidy in the office, warehouse and workshop, full slot-in quick-assembly shelf system, combining quick slot-in assembly without screws with versatile, practical and tailor-made warehouse design, basic and add-on shelf units in modular design, sturdy T-profile frame with pre-mounted connecting plates, 4 shelves with 150 kg load capacity (with load evenly distributed), shelves vertically adjustable in 25 mm steps, reinforcement on the long side through diagonal cross (basic shelf unit) or diagonal rod (add-on shelf unit)

Bay load, max. 1650 kg  
Width x height x depth 1000 x 2000 x 400 mm

**Scope of supply**  
shelf units and additional shelves, including fixings

**Compatible with EUROPART tyre racks**

Description	Order no
basic shelf unit	9539 094 952
add-on shelf unit	9539 094 953
additional shelf	9539 094 954

### Accessories

Description	Order no
Wall fastening for basic shelf	9147 081 556
Wall fastening for add-on shelf	9539 072 432
Foot doweling set for basic shelf	9539 181 557
Foot doweling set for add-on shelf	9539 181 558

## EICHNER

### Magnetic tape

magnetically adherent, high quality and flexible film for cutting to size, can be custom-written and used repeatedly when written with water-soluble pens

Width 30 mm  
Roller length 10 m

**Application range**  
for identification of shelves, containers and all magnetically adherent surfaces, can be written on with standard felt-tipped pens

Colour	Order no
white	9539 802 369
yellow	9539 802 370



**IDEAL FOR LABELLING SHELVES**



**PROMAT**  
QUALITÄTSSERZEUGNIS

## Workbench

solid beech panel, glued longitudinally, rugged welded working bench housing, square steel pipe feet, drawers 90% extendible, DOM change cylinder lock with 2 keys

Board thickness 40 mm  
Height 840 mm  
Depth 700 mm  
Colour light grey/gentian blue

Width	Version	Fig.	Order no
1500 mm	Left: 1 drawer height 170 mm, 1 door height 340 mm, right: 1 door height 510 mm	1	9141 427 012
2000 mm	Left and right: 1 drawer each height 170 mm, 1 door height 340 mm, 1 recessed shelf	2	9141 427 048

**PROMAT**  
QUALITÄTSSERZEUGNIS

## 2-door cupboard

with 4 adjustable (grid 35:35), zinc-plated shelves and rotary cylinder lock (incl. 2 keys), with three-bolt lock

Shelf load capacity 50 kg  
Width 950 mm  
Height 1950 mm  
Depth 420 mm  
Colour anthracite grey/dove blue

Door opening angle 135°



Order no

9000 449 600



**EICHNER**

**Garage planning board**

**DIN A4**

In high-quality, robust and easy-care design, can be supplied in various complete configurations

Version slim, with 10 rails to be occupied  
 Material Polypropylene  
 Depth 78 mm

Version	Width	Height	Fig.	Order no
slim, with 10 rails to be occupied	554 mm	1285 mm	1	9539 100 610
with 10 rails to be occupied	1575 mm	1285 mm	2	9539 100 613
with 15 rails to be occupied	1575 mm	1765 mm	3	9539 100 614

9 General workshop requirements

**EICHNER**

**Order pocket**

**DIN A4**

for the clean and safe storage of all work papers

**Scope of supply**  
 including key compartment and suspension cord  
**Special colours and logo print on request!**



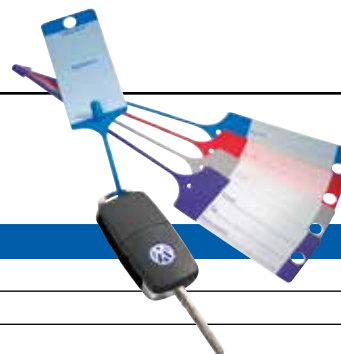
Colour	Order no
blue	9539 100 600
red	9539 100 601
green	9539 100 602

**EICHNER**

**Keyring**

can be marked using ballpoint or felt pen

**Scope of supply**  
 In practical dispenser box of 100 pieces



Colour	Order no
blue	9539 100 620
grey	9539 100 621
red	9539 100 622

## EICHNER

### Mirror tag

#### Wheel bolt re-torquing

with reminder to re-torque wheelnuts after approx. 50 km or individually at xxx kilometres, printed on both sides so that the reminder cannot be missed, area on the back for garage or workshop stamp

Material made from sturdy 250 g/m<sup>2</sup> cardboard

Size 90 x 180 mm

Order no

9539 100 669



## EICHNER

### Service label

#### double-sided tag for the engine compartment

can be written on with all commercially available pens, with field for the workshop stamp

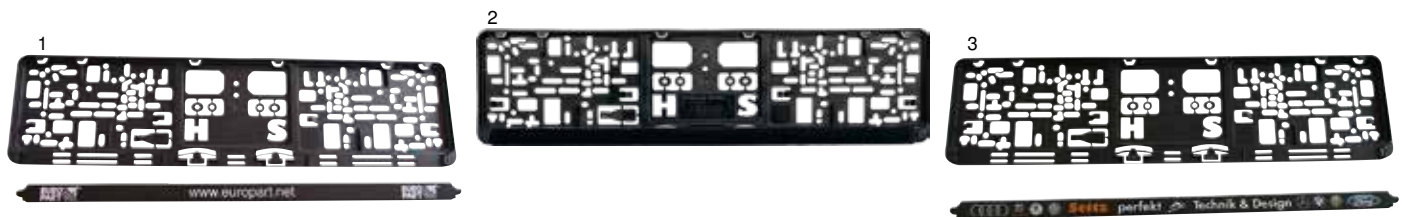
#### Scope of supply

In practical dispenser box of 100 pieces

### OTHER LABELS ON REQUEST

Order no

9539 100 689



### Registration plate holder/strengthener

UV and weather resistant, car wash proof and secure against frost breakage, easily curved base plate made of polypropylene, advertising band made of ABS, easy to fit (insert registration plate, press on advertising band)

Suitable for Registration plate 220 x 110 mm

#### Application range

for all current vehicle models



Version	Fig.	Order no
With EUROPART logo	1	9539 111 060
Neutral	2	9534 100 842
With individual customer advertising	3	9539 100 678

### Registration plate holder/strengthener

#### Neutral

Suitable for Registration plate 340 x 200 mm

#### Application range

For trailers and trucks with two-line number plates



Order no

9534 100 841



## Industrial paste marker

### edding 950

Highly permanent, highly opaque colour paste, smudge-proof and waterproof after drying, extremely lightfast, with waxy tip to twist out, cap in writing colour

Version Round tip  
Thickness 10 mm

#### Application range

For writing on almost all materials, including metal, glass, plastic, especially for use on rough surfaces, dirty materials and rusty metals

**Can even be used in damp conditions and overhead without dripping.**



Colour	Order no
yellow	9539 487 928
black	9539 048 755
white	9539 048 756



## Industrial permanent marker

### edding 8300

Xylene-based ink, lightfast, fast-drying as well as highly opaque and abrasion-resistant, aluminium shaft

Version Round tip  
Thickness 1,5-3 mm  
Colour blue

#### Application range

Ideal for highly permanent markings on almost all surfaces as well as on slightly oily, greasy or dusty materials



Order no
9539 487 910



## Industrial paint marker

### edding 8750

Highly permanent, highly opaque ink, lightfast, quick-drying, resistant to water, salt water and abrasion, heat-resistant up to 300 °C, aluminium shaft

Version Round tip  
Thickness 2-4 mm

#### Application range

For highly opaque, permanent markings on slightly oily, dusty and dark surfaces



Colour	Order no
blue	9539 048 751
black	9539 048 750



## Oil maintenance marker

### edding 8150

Wide-writing lubricant marker, contains colourless, odourless silicone oil, grease-, resin- and acid-free

Version with wedge tip  
Thickness 4-12 mm

#### Application range

for treatment and care of rubber seals, e.g. vehicle doors and fridges or freezers

**Rubber seals must be cleaned before the oil is applied thinly with the marker.**



Order no
9000 487 950



## Cylinder padlock

Solid, steel-hardened shackle, double locked

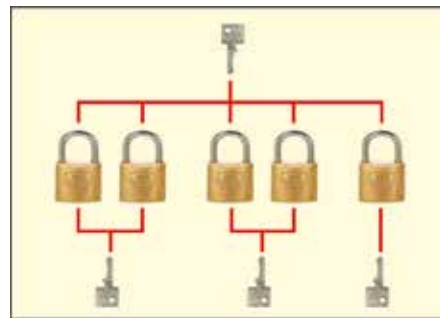
Material brass

Version keyed-different

### Scope of supply

with 2 keys

Model	Size	Hoop thickness	Hoop width	Hoop height	Description	Bracket	Fig.	Order no
217 Karat	30 mm	5 mm	16 mm	17,5 mm	Stainless steel interior	Chrome-plated	1	2300 051 868
217 Karat	40 mm	6 mm	23 mm	23,5 mm	Stainless steel interior	Chrome-plated	1	3302 500 410
217 Karat	50 mm	8 mm	28 mm	27,5 mm	Stainless steel interior	Chrome-plated	1	3302 500 411
217 F NI Atlantic	40 mm	6 mm	23 mm	17 mm	Seawater-resistant, rustproof	Stainless steel	2	2300 051 870
217 F NI Atlantic	50 mm	8 mm	28 mm	19,5 mm	Seawater-resistant, rustproof	Stainless steel	2	2300 051 873



## Cylinder padlock

### 116 Profi

Solid brass body, steel-hardened shackle, double-locking, stainless inner work, precision locking mechanism.

Locking systems with master key or general master key and special designs on request!

Version	Size	Hoop thickness	Hoop width	Hoop height	Scope of supply	Order no
Keyed-different	30 mm	5 mm	16 mm	17,5 mm	with 2 keys	2300 051 856
Keyed-alike Z 5	30 mm	5 mm	16 mm	17,5 mm	with 2 keys	2300 051 857
Keyed-different	40 mm	6 mm	23 mm	22 mm	with 2 keys	2300 051 858
Keyed-different	40 mm	6 mm	23 mm	22 mm	with 5 keys	2300 051 903
Keyed-alike Z 1	40 mm	6 mm	23 mm	22 mm	with 2 keys	2300 051 909
Keyed-alike Z 2	40 mm	6 mm	23 mm	22 mm	with 2 keys	2300 051 901
Keyed-alike Z 3	40 mm	6 mm	23 mm	22 mm	with 2 keys	2300 051 913
Keyed-alike Z 4	40 mm	6 mm	23 mm	22 mm	with 2 keys	2300 051 859
Keyed-alike Z 5	40 mm	6 mm	23 mm	22 mm	with 2 keys	2300 051 860
Keyed-different	50 mm	8 mm	28 mm	27 mm	with 2 keys	2300 051 862
Keyed-alike Z 5	50 mm	8 mm	28 mm	27 mm	with 2 keys	3000 250 417
Keyed-different	60 mm	10 mm	32 mm	33 mm	with 2 keys	2300 051 864
Keyed-alike Z 5	60 mm	10 mm	32 mm	33 mm	with 2 keys	2300 051 875



## Cylinder padlock

### 116 HB Profi

Solid brass body, steel-hardened high shackle, double-locking, stainless inner work, precision locking mechanism.

Version keyed-different

**Scope of supply**  
with 2 keys



Size	Hoop thickness	Hoop width	Hoop height	Order no
40 mm	6 mm	23 mm	60 mm	2300 051 866
50 mm	8 mm	28 mm	80 mm	2300 051 867



## Cylinder padlock

### Profi 116 PC NI

Seawater-resistant high-tech lock, solid brass body, double-locking, lock body fully prepared for mounting, for integration into existing and new locking systems, quick mounting, dismounting and replacement, cylinder does not need to be machined for mounting

**Application range**

Can be used for almost all exchangeable DIN profile half cylinders with adjustable locking lug (length 10/30 mm)

**Scope of supply**  
Without cylinder



Size	Hoop thickness	Hoop width	Hoop height	Height	Order no
50 mm	9 mm	21 mm	16 mm	70 mm	2300 051 848



## Discus lock

Lock body made of stainless steel, shackle hardened and chrome-plated

Model	Size	Hoop thickness	Hoop width	Hoop height	Version	Fig.	Order no
Circle 21	60 mm	8 mm	18 mm	14 mm	With 2 keys	1	3000 253 384
Circle 21	70 mm	9 mm	21 mm	16 mm	With 2 keys	1	3000 253 385
Circle 23	70 mm	9 mm	24,5 mm	16,5 mm	With four-digit, adjustable combination lock	2	2300 051 850



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## Combination padlock

### Combi Lock 80 40

Solid, with 4 number rollers, adjustable number combination

Material brass



Size	Hoop thickness	Hoop width	Hoop height	Order no
40 mm	6,5 mm	18,5 mm	32,5 mm	2300 051 853

9

General workshop requirements



## Key safe

Secure storage for keys and other smaller valuables, offers easy and central access for changing groups of people such as craftsmen and service providers, easy storage of the key, housing made of very resistant die-cast zinc

### Application range

For wall mounting indoors or in protected outdoor areas

### Scope of supply

incl. attachment material

Model	Version	Suitable for	Width x height x depth	Fig.	Order no
Key Safe 10	With combination lock and integrated key hook	Key length 7 cm	61 x 85 x 39 mm	1	3000 253 509
Key Safe 30	With combination lock and sliding protective flap	Key length 9 cm	90 x 120 x 40 mm	2	9539 925 500
Key Safe 40	With combination lock and sliding protective flap	Key length 11 cm	105 x 145 x 55 mm	3	9539 925 501
Key Safe 50	with combination lock, sliding protective flap and removable, high-quality encased shackle	Key length 8 cm	95 x 178 x 45 mm	4	9539 925 502



## Assembly stool on wheels

high-quality pneumatic height adjustment enables fatigue-free work, 2 tool receptacles pivoting 360°, large tool receptacle (∅ 420 mm) takes small tools and repair material, easily manoeuvrable

Load capacity 150 kg  
 Height 400-520 mm  
 Wheel ∅ 75 mm



Order no

9539 111 051



## Assembly creeper

sturdy construction, ergonomically shaped, storage trays on both sides for small parts, 6 oil-resistant and smooth-running 3" rollers, soft padded head support

Load, max. 130 kg  
 Length x width x height 990 x 470 x 110 mm



Order no

9539 111 050



## Padded mat

As a base for lying or kneeling installations, with grip recess, non-slip and suitable for any surface

Material EVA plastic  
 Length 1000 mm  
 Width 400 mm  
 Thickness 30 mm



Order no

9539 032 365



## Fuel canister plastic

Meets highest safety requirements, TÜV-tested production, suitable for E10, space-saving stackable, with integrated spout and captive child safety screw connection

Colour olive green

Inner Ø of the filling opening 29 mm

Thread outer-Ø 38 mm

### Application range

For petrol, diesel and other dangerous goods

**With UN approval according to ADR/GGVSEB for the transport of dangerous goods**



This figure corresponds to 9539 802 000

Capacity	Width x height x depth	Order no
10 l	350 x 310 x 165 mm	4000 818 963
20 l	350 x 495 x 165 mm	9539 802 000

### Accessories

Description	Order no
Discharge pipe, with misfuelling protection and bellows, 265 mm, suitable for 10 and 20 litre canisters	9539 810 101
Bracket for steel and plastic canisters, suitable for 10 litre canister	3562 914 059
Bracket for steel and plastic canisters, lockable, suitable for 20 litre canister	9534 818 969

9

General workshop requirements



## Fuel canister Steel

Suitable for E10, minimum emptying time due to wide venting channel, band welded handles, hole in the handle allows outlet pipe to be fixed with clip and screws, interior coating protects against rust and decomposition

Surface Powder-coated

Colour olive green

### Application range

For petrol, diesel and other dangerous goods

**With UN approval according to ADR/GGVSEB for the transport of dangerous goods**



This figure corresponds to 9534 434 701

Capacity	Version	Width x height x depth	Order no
10 l	With quick-release fastener	350 x 283 x 165 mm	9534 434 601
20 l	With quick-release fastener	343 x 469 x 165 mm	9534 434 701
10 l	With screw cap	345 x 275 x 165 mm	9539 154 303
20 l	With screw cap	345 x 568 x 165 mm	9539 154 304

### Accessories

Description	Order no
Replacement seal for 10- and 20-litre steel canisters	9534 879 450
Discharge pipe, flexible, with venting pipe, suitable for 5-/10-/20-l metal canisters	9534 004 354
Bracket for steel and plastic canisters, lockable, suitable for 20 litre canister	9534 818 969
Bracket for steel and plastic canisters, suitable for 10 litre canister	3562 914 059

## Sticker for hazardous goods petrol / diesel fuel

DIN A4 sheets as canister accessory, for identification of hazardous material contents, with hazard symbols and safety instructions

Version white glossy adhesive label  
Dimensions 182 x 275 mm

since 01/06/2015, all fuel canisters (UN/RKK) must be identified by the end user according to the GHS/CLP regulation



Order no

9530 610 000



## Double canister For fuel and fuel mixture

With separate oil container for lubricant, TÜV-tested production, measuring scale in both containers, suitable for E10, captive screw connection, with outlet pipe with cap

Material HD-PE

Inner  $\varnothing$  of the filling opening 29 mm  
Thread outer- $\varnothing$  38 mm

With UN approval according to ADR/GGVSEB for the transport of dangerous goods



This figure corresponds to 9534 818 962

Capacity	Version	Colour	Width x height x depth	Order no
3 + 1,5 l	With suspension eyelets for carrying straps and stable due to wide support surface	red	308 x 254 x 145 mm	9539 804 000
3 + 1,5 l	With suspension eyelets for carrying straps and stable due to wide support surface	natural	308 x 254 x 145 mm	9539 803 900
5,5 + 3 l		red	316 x 145 x 312 mm	9534 818 962
5,5 + 3 l		natural	316 x 145 x 312 mm	7910 914 085



This figure corresponds to 2300 019 801

### Accessories

Description	Order no
Safety filling system for fuels and chain adhesive oil, black/green	2300 019 801
Safety filling system for fuels and chain adhesive oil, black/red	3562 910 230



## Saddle bag For double canisters

Suitable for small double canisters 3 and 1.5 l, to hold tools and safety filling systems for operating motorised chain saws, reliable protection against falling out, space e.g. for 2 safety filling systems, spark plug spanner, chain file and carburettor screwdriver, with Velcro fasteners, insensitive to dirt, washable, tear-resistant

Colour black  
Material Nylon (polyamide)

**Scope of supply**  
Without canister

Order no

9539 795 900

9

General workshop requirements



## Fuel canister plastic

Meets highest safety requirements, due to heavy quality particularly low permeation (odourless), with flexible outlet tube and child safety screw connection, with outlet tube integrated in the canister body for diesel vehicles with misfuelling protection

Capacity 5 l  
Width x height x depth 265 x 247 x 147 mm  
Colour black

**Application range**  
For petrol, diesel and other dangerous goods

**With UN approval according to ADR/GGVSEB for the transport of dangerous goods**



Order no

9539 800 300



## Water canister

With fixed drain cock made of LDPE with spout connection 3/4", captive screw connection, good resistance to greases, resins, alkalis, oils and acids, BPA-free

Temperature resistance -20 to +70 °C  
Colour natural  
Material Polyethylene (HD-PE)

Inner Ø of the filling opening 29 mm  
Thread outer-Ø 38 mm

**Application range**  
Ideal for water and for food



Capacity	Width x height x depth	Order no
12 l	333,5 x 331,5 x 160 mm	9539 817 500
22 l	415 x 440 x 190 mm	9539 817 700

**BRANDING, LABELLING OR INDIVIDUAL COLOURS AVAILABLE ON REQUEST.**



## Wide neck canister

Unbreakable, very large opening  $\varnothing$  88 mm allows easy filling, emptying and cleaning, captive, sealable wide-neck screw connection, with grip grooves on the base for safe handling, good chemical resistance to greases, resins, alkalis, oils and acids, UV protection for long service life, opening closed with screw plug for screwing in drain taps and angle valves (wide thread 22 mm), bisphenol A (BPA) free

Temperature resistance -20 to +70 °C  
Material HD-PE

### Application range

Food, can be used as clarification canister



Capacity	Width x height x depth	Scope of supply	Order no
10 l	302 x 399 x 140 mm	With small outlet ( $\varnothing$ 18 mm) and pouring spout	2300 070 789
22 l	370 x 475 x 180 mm	Without spout and pouring spout	9000 450 202
31 l	366 x 482 x 252 mm	Without spout and pouring spout	2300 070 892



## AdBlue® canister

meets highest safety requirements, reusable canister, ideal for refuelling at AdBlue® car dispensers, with outlet pipe integrated in the canister body and captive children's safety fitting, outlet pipe fits into the AdBlue® tank nozzle

Version Unfilled  
Material HD-PE

### Application range

Specially designed for the transport of aqueous urea solution AUS 32



Capacity	Width x height x depth	Order no
10 l	350 x 310 x 165 mm	9539 154 300
20 l	350 x 495 x 165 mm	9539 154 301



## Suction pump

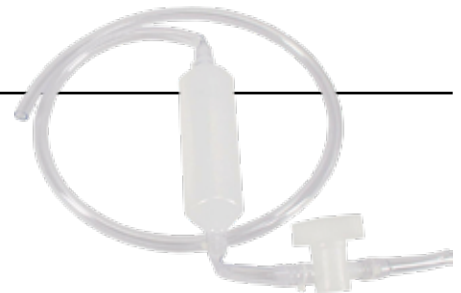
Resistant to food, acid, chemicals and petrol

Length 1450 mm  
Colour transparent

Outlet speed 4 l/min

### Scope of supply

With HD-PE stopcock and PVC hose



Order no

9539 154 302



Transportgeräte

### Transport cart

With unscrewable and therefore exchangeable aluminium buckets, very light and handy, neatly welded and "natural", pneumatic tyres on plastic rims, hubs with roller bearings, stirrups on top and cross braces bent through, disassembled delivery

Load capacity 200 kg  
 Overall width 590 mm  
 Height 1300 mm  
 Number of turns 260 x 85 mm  
 Material Aluminium tube

**Application range**

For safe transport of round goods such as rolls, cans, buckets etc.



Blade depth	Shovel width	Weight	Order no
250 mm	320 mm	9 kg	9110 443 400
300 mm	480 mm	10 kg	9110 443 399



Transportgeräte

### Service trolley

One fixed and three loose shelves made of sandwich panels, shelves can be used variably in increments of 100 mm, 2 swivel castors and 2 fixed castors, TPE tyres, hubs with deep groove ball bearings, brakes on swivel castors

Version With 4 shelves  
 Load capacity 600 kg  
 Wheel Ø 200 mm  
 Tier height 269/669/1069/1469 mm  
 Surface Powder-coated

Load capacity per shelf 90 kg



Loading area L x W	Colour	Fig.	Order no
1000 x 600 mm	antracite	1	9534 444 770
1000 x 700 mm	antracite	1	9534 444 771
1200 x 800 mm	antracite	1	9534 444 772
1000 x 600 mm	brilliant blue	2	9110 444 768
1000 x 700 mm	brilliant blue	2	9110 444 803
1200 x 800 mm	brilliant blue	2	9534 444 769



Transportgeräte

### Barrel trolley

Welded steel tube construction, durable surface protection, hubs with roller bearings, additionally with 2 support wheels solid rubber 160 x 40 mm

Suitable for All 200 l barrels with rim  
 Load capacity 300 kg  
 Colour blue  
 Surface Powder-coated



Tyres	Order no
Solid rubber tyres 250 x 60 mm	9539 443 227
Pneumatic tyres 260 x 85 mm	9539 443 228

## Barrel roller

Welded flat steel construction, 4 swivel castors, 2 with brakes, polyamide wheels, hubs with plain bearings

Load capacity 250 kg  
Wheel size 80 x 35 mm  
Overall height 154 mm

Cross struts cranked downwards  $\varnothing$  420 mm for 60-litre barrels  
Outer ring inner  $\varnothing$  610 mm for 200-litre barrels

### Application range

For upright transport of 60 and 200 litre steel barrels



Order no

9539 443 199

## Magazine trolley

Welded from tubular steel and professional steel, platform with wooden material plate, 2 swivel castors and 2 fixed castors, hubs with deep-groove ball bearings, brakes on swivel castors in accordance with EN 1757-3

Surface Powder-coated  
Tyres TPE tyres  
Colour brilliant blue  
Colour code RAL 5007



Load capacity	Wheel $\varnothing$	Length x width x height	Loading area L x W x H	Weight	Fig.	Order no
250 kg	125 mm	1100 x 450 x 910 mm	850 x 450 x 206 mm	14 kg	1	2300 052 364
250 kg	125 mm	1250 x 600 x 910 mm	1000 x 600 x 206 mm	19 kg	1	9110 444 237
500 kg	160 mm	975 x 509 x 950 mm	850 x 509 x 948 mm	24 kg	2	9539 444 260
600 kg	200 mm	1125 x 609 x 990 mm	1000 x 600 x 270 mm	27 kg	2	9539 444 329
600 kg	200 mm	1120 x 709 x 990 mm	1000 x 700 x 270 mm	30 kg	2	9539 444 328
600 kg	200 mm	1325 x 809 x 990 mm	1200 x 800 x 270 mm	35 kg	2	9539 444 325

## Table trolley

Welded tubular and sectional steel, screwed construction, platforms made of derived timber material board, surface medium grey, 2 swivel and 2 fixed castors, TPE tyres, hubs with grooved ball bearings, brakes on the swivel castors

Colour antracite

Load capacity upper loading area: 200 kg



Load capacity	Length x width	Colour	Fig.	Order no
500 kg	1047 x 509 mm	antracite	1	9539 473 521
600 kg	1197 x 609 mm	antracite	1	9539 473 522
600 kg	1197 x 709 mm	antracite	1	9539 473 523
600 kg	1397 x 809 mm	antracite	1	9539 473 524
600 kg	1047 x 509 mm	brilliant blue	2	9539 444 306
600 kg	1197 x 609 mm	brilliant blue	2	9539 444 307
600 kg	1197 x 709 mm	brilliant blue	2	9539 444 305
600 kg	1397 x 809 mm	brilliant blue	2	9539 444 303



## Scissor lift trolley

### FHT 500

Robust steel construction, hydraulic lifting by foot lever, manually operated table lowering, foot castors with safety wheel guards and brakes on the swivel castors, overload safety valve protects operator and pump

Load capacity	500 kg
Lift range	340-900 mm
Lift per pedal actuation	13 mm
Handle height	805 mm
Table dimensions	855 x 500 mm
Wheel Ø	127 mm



Order no

9539 650 053



## Forklift

standard in and out rolling, easy driving under Europallet width, special lowering valve for particularly sensitive, accurately controlled lowering, ergonomic two-handed operating element, optimised hydraulics means less effort required, durable thanks to robust material and sturdy workmanship, maintenance-free thanks to permanently lubricated connection fittings

Load capacity	2500 kg
Lifting height	85-200 mm
Stroke	115 mm
Bearing width	525 mm
Height	1160 mm
Tyres	Polyurethane tandem
Colour	blue

This figure corresponds to 9539 443 276

Length	Fork length	Load centre	Order no
1200 mm	800 mm	400 mm	9539 111 278
1550 mm	1150 mm	600 mm	9539 443 276



## Forklift

### AGILE PLUS S4 1150X525, With electric trolley

Retraction/extension rollers, proportional valve for sensitive lowering, on-board computer display with battery status display, travel distance, operating hours counter, tachometer, maximum speed setting, diagnostics, powder-coated frame for greater protection against wear and tear

Version	Manual lift function, attendant control, electric/manual drive switchover
Lifting height	85-200 mm
Fork length	1150 mm
Fork width	150 mm
Overall length	1600 mm
Overall width	525 mm
Turn radius	1382 mm
Power	2 x 0,25 kW
Tyres	Steering wheels rubber "non-chalking", load rollers polyurethane tandem

Load capacity 1200 kg with 600 mm load centre of gravity

Aisle width with pallet 800 x 1200 crosswise 2063 mm

Travel speed with load 4.2 km/h

Travel speed without load 5.3 km/h

#### Scope of supply

With lithium battery 36 V/12.8 Ah and external HF charger 3 A

Order no

9539 350 801



## Scissors hoist wagon

Universal device for transport tasks, as a mobile work table and much more, quick lift function up to 120 kg, can be moved up to 400 mm lifting height, then the stabilisers release for greater stability, powder-coated frame for greater protection against wear and tear

Version	Manual
Load capacity	1000 kg
Lifting height	800 mm
Fork length	1150 mm
Overall length	1526 mm
Overall width	540 mm
Overall height	1250 mm
Tyres	Swivel castors polyurethane ring with nylon inner core, load castors polyurethane single



Order no

9111 443 621



### Ladder

usable on both sides, non-slip ladder feet, strong frame, ribbed rectangular rungs 30 x 30 mm

Width 350 mm  
 Load capacity, max. 150 kg  
 Material aluminium

manufactured according to DIN EN 131-1 type approved, 15 year guarantee

Length	Rungs	Version	Fig.	Order no
1900 mm	6	no cross beam	1	9539 111 106
2200 mm	7	no cross beam		9539 111 107
2500 mm	8	no cross beam		9539 111 108
2800 mm	9	no cross beam		9539 111 109
3000 mm	10	no cross beam		9539 111 110
3600 mm	12	with cross beam (width 930 mm, weight 2.0 kg, can be screwed off)	2	9539 111 112

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General workshop requirements



### Aluminium stepladder only one side can be climbed

Ribbed rungs, with 4-fold flanged rung-stringer connections, anti-slip nivello® ladder feet and ergo-pad® gripping area with clamping mechanism, optimised ladder joint with larger contact surface, 6-fold riveting and greater material thickness, "safe-cap" made from sturdy plastic offers protection for loading and storing the ladder, high standing stability due to conical design, 7 rungs or more have anti-spread security with two high-strength Perlon straps

Step depth 80 mm  
 Distance between steps 235 mm  
 Ladder slope 70°



Steps	Working height	Overall height	Platform height	Bottom outer width	Order no
3 pieces	2750 mm	1370 mm	700 mm	470 mm	9150 460 340
4 pieces	3000 mm	1600 mm	930 mm	500 mm	9150 460 341
5 pieces	3250 mm	1830 mm	1170 mm	530 mm	9539 540 105
6 pieces	3500 mm	2070 mm	1400 mm	550 mm	9539 040 106
7 pieces	3750 mm	2310 mm	1640 mm	590 mm	9150 040 107
8 pieces	4000 mm	2540 mm	1870 mm	620 mm	9150 040 108

Number of rungs incl. safety bridge



## Step lean-to ladder

### Both sides can be climbed

With 4-fold flanged step stile connection, non-slip nivello® ladder shoes and ergo-pad® grip zone with clamping mechanism, high stability due to conical construction, spreading protection by 2 high-strength perlon belts

Step depth 80 mm  
Distance between steps 235 mm



(Illustration similar)

Steps	Working height	Overall height	Bottom outer width	Order no
2 x 3 pieces	2200 mm	670 mm	440 mm	9000 460 501
2 x 4 pieces	2450 mm	910 mm	460 mm	9000 460 502
2 x 5 pieces	2650 mm	1140 mm	490 mm	9539 461 163
2 x 6 pieces	2900 mm	1380 mm	520 mm	9000 460 504
2 x 7 pieces	3150 mm	1610 mm	550 mm	9539 540 214
2 x 8 pieces	3400 mm	1850 mm	580 mm	9000 460 506



## Working podium

### Aluminium, with handrail, rigid

Sturdy, welded tubular construction, steps made of aluminium hot-dip galvanised sheet, rail ends with non-slip plastic shoes, high level of safety due to 600 mm high single-sided handrail, the handrail can be easily screwed on (holes on the right) and is enclosed separately

Uppermost tread L x W 550 x 300 mm



Steps	Podest height	Overall height	Working height	Standing area	Order no
3	600 mm	1200 mm	2600 mm	740 x 880 mm	9539 050 043
4	800 mm	1400 mm	2800 mm	790 x 1130 mm	9539 050 044
5	1000 mm	1600 mm	3000 mm	830 x 1390 mm	9539 050 045

### Accessories

Description	Order no
Spring roller set for self-mounting, 1 set=4 units, $\varnothing$ 50 mm	9539 050 036
Lifting rollers for self-mounting, 1 set=2 units, $\varnothing$ 125 mm	9539 050 041



## Folding scaffold

Requires little space for transport and storage, quick and easy assembly and dismantling, non-slip platform, 4 swivel castors (125 mm  $\varnothing$ ) with brakes, self-locking folding hinge

Scaffolding height 1720 mm  
Platform height 990 mm  
Working height 3000 mm  
Load 1500 N/m<sup>2</sup>  
Standard DIN EN 1004



Working platform	Version	Order no
750 x 1800 mm	Door accessible	9539 462 990
1350 x 1800 mm		9152 460 401



## Continuous pressure powder fire extinguisher fire class A, B and C, testable and refillable

made of high quality sheet steel, CE compliant

Type	PD 6 GA
Contents	6 kg
Standard	DIN EN 3
Temperature range	-30 to +60 °C
Label	DE, GB, FR, ES

power rating 34 A, 183 B and C

### Application range

suitable for liquefied gas stores, garages and hobby rooms

### Scope of supply

high-quality wall bracket

**Important: Please follow the country-specific regulations!**

**GS tested**



Order no

9195 491 125



## Charging pressure powder fire extinguisher Fire class A, B and C, testable and refillable

ergonomically shaped, robust carrying handle, valve body made of glass fibre reinforced special plastic, hose line with woven fabric intermediate layer made of synthetic rubber material, with pivoting pistol which can be switched off, semi-automatic, with internal cartridge, very service-friendly, CE compliant

Type	P6STAR
Contents	6 kg
Standard	DIN EN 3
Thread	M74 x 2
Temperature range	-30 to +60 °C
Label	DE, GB, FR, ES

power rating 34 A, 183 B and C



Order no

9195 491 025



## Powder fire extinguisher for passenger cars, fire class A, B and C, refillable

Type	P 2 GM
Contents	2 kg
Standard	EN 3
Label	DE, DK, ES, FR, HU, SE

### Scope of supply

complete with testing valve, vibration-proof car bracket, tightening strap and **pressure gauge**



Order no

9195 492 002



## LED inspection lamp

### EP Light 1

LED battery-operated work lamp with three magnetic holders and two hooks, lamp head can be swivelled up to 180°, USB charging

Version	with 10 SMD LEDs
Lighting power	150/300/80 lm
Lighting duration	2.5/5.5 h
Rechargeable battery	Li-Ion (3.7 V/2200 mAh)
Charging time	4 h
Dimensions	260 x 61 x 43 mm
Protection class	IP20

#### Scope of supply

USB charging cable and mains plug



Order no

9539 111 400



## Penlamp

### EP Light 2

with infinitely variable dimming function from 10 to 100 %, main light: COB LED, spotlight: CREE XP-G2, high light output, side-mounted button switch allows effortless one-handed operation, robust rubber surface offers a pleasant grip, slim design enables easy access even in narrow places, easy charging with USB cable

Version	with 2 magnets
Protection class	IP20

#### Scope of supply

with USB cable, without mains plug



Order no

9539 111 401



## LED battery work lamp

### EP Light 3

extremely compact work lamp with 3W COB work light, 1W SMD head spotlight and integrated UV lamp, Alu-/ABS casing with magnetic retaining clip and magnetic base, charging cable (no power adaptor) with USB/micro-USB connection, with overcharge protection and deep discharge protection plus charging control display

Rechargeable battery	Li-ion (3,6 V/2200 mAh)
Dimensions	112 x 27 x 24 mm
Charging time	3-4 h
Weight	98 g

Luminous flux: work light 250 lm, head spotlight 70 lm  
Duration of light: work light 3-3.5 hr, head spotlight 7-10 hr



Order no

9539 111 402



## LED head lamp

### EP Light 4

COB work light, infinitely variable dimming function 10-100 %, flexible positioning due to tilt function, touch-free on/off sensor system for comfortable working.

Lighting power 150 lm  
Light range 15 m  
Protection class IP54

#### Scope of supply

3 x AAA 1.5 V batteries

Tested according to ANSI/NEMA FL1 standard



Order no

9539 111 403

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General workshop requirements



## LED work lamp

### PL-023.2

120° pivoting, magnetic foot, retaining clip removable

Charging time 4 h  
Rechargeable battery Li-Ion (3.7 V/2200 mAh)  
Length 237 mm  
Version not water-resistant

Luminous flux: work light: 300 lm, headlight: 70 lm  
Duration of light: Working light 3 h, head spotlight 10 h

#### Scope of supply

USB charge cable



Colour

Order no

orange

9539 640 336

black

9539 640 337



## LED inspection lamp

### PL-081.1

With COB technology, dimming function and LED head spotlight, very bright and uniform light with variable adjustability for optimum illumination of the working area, 180° slewable and 180° rotatable, magnet in foot section, fold-out retaining bracket in base section

Charging time 4 h  
Rechargeable battery 3.7 V Li-Ion, 2.200 mAh  
Dimensions 325 x 65 x 45 mm  
Weight 236 g

Luminous flux of working light: 300 lm head spotlight: 70 lm  
Working light duration: 3 hour head spotlight: 10 hours

#### Scope of supply

With charging cable



Order no

9539 640 334



## LED battery work lamp

### PL-041

Very compact and sturdy work light with aluminium/ABS housing, headlamp, on/off switch, work light, magnetic retaining clip on the back, magnetic base, micro USB charging socket, 5 V USB output enables use as a power bank

Version	Alu-Premium-Edition
Rechargeable battery	Li-Ion (3.7 V/4400 mAh)
Charging time	5 h
Width	41 mm
Height	135 mm
Depth	28 mm

Luminous flux: 500 lm (100 %), 250 lm (50 %), head spotlight 120 lm  
Duration of light: 3 h (100 %), 6 h (50 %), head spotlight 8 h

**Scope of supply**  
USB charge cable



Order no

9539 640 347



## LED battery work lamp

### PL-050, With SMD technology

Light made of robust ABS material with rubberised, swivelling frame with stand function, charge level indicator, overcharge protection, discharge protection, automatic switch-off function, magnet in the 360° swivelling frame base, fold-out and 360° swivelling hanging hook

Rechargeable battery	Li-Ion (3.7 V/1800 mAh)
Charging time	4 h
Length	130 mm
Width	65 mm
Height	25 mm

Luminous flux: 200 lm (100 %), 100 lm (50 %)  
Duration of light: 3 h (100 %), 6 h (50 %)

**Scope of supply**  
USB charge cable



Order no

9539 640 348



## LED inspection lamp

### Line Light C+R

Dual system: Battery and mains operation for unlimited application possibilities, flexible positioning with adjustable hook and magnet, with upper spotlight

Lighting power	150/600 lm
Charging time	4 h
Lighting duration	2.5/8 h
Cable length	5 m
Protection class	IP65



Order no

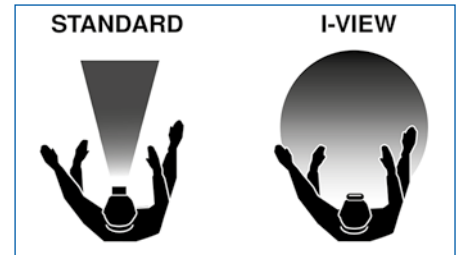
9539 640 435



## LED head lamp COB LED I-VIEW

Light, ergonomic headlamp with sensor system for contactless on/off switching, illuminates the entire working area, 2 lighting levels (level 1: 50 %, level 2: 100 %), easy to use - even with thick gloves, waterproof and dustproof, black woven headband

Power	2 W
Lighting power	40-400 lm
Rechargeable battery	Lithium-polymer battery (3.8 V/1600 mAh)
Lighting duration	2.5/5 h
Charging time	3 h
Working temperature	-10 to +40 °C
Protection class	IP65



Order no

9539 640 419



## LED battery work lamp SOUND LED S, with built-in loudspeaker

small and compact LED battery work light with built-in loudspeaker, ideal for the workplace, music can be played wireless, streamlined and compact design, robust and water-resistant, flexible positioning, levelling foot with built-in magnets

Rechargeable battery	Li-Ion (3.7 V/5200 mAh)
Charging time	5 h
Dimensions	92 x 86 x 74 mm
Temperature range	-10 to +40 °C
Protection class	IP65

Luminous flux 300/600 lumens (level 1/2)  
Brightness 1000/2000 Lux@0.5m (level 1/2)  
Operating life 6 h/3 h (level 1/2)



Order no

9539 640 399



## LED work lamp

powerful COB lamp with the latest LED technology, for professional use, strong casing of cast aluminium, slim and elegant design, unbreakable and shockproof, 5-level dimmer function, with integrated carrying handle, low current consumption, minimal warming, long service life of the light source, support base can be pivoted, approved for use outdoors

Voltage	230 AC V
Cable length	5 m
Protection class	IP67



Model	Lighting power	Power	Order no
NOVA 3K	300-3000 lm	26 W	9539 640 490
NOVA 3K C+R	300-3000 lm	26 W	9539 640 491
NOVA 5K	500-5000 lm	42 W	9539 640 492
NOVA 5K C+R	500-5000 lm	42 W	9539 640 493
NOVA 10K	1000-10000 lm	84 W	9539 640 494

<sup>1</sup> with battery

### Accessories

Description	Order no
Tripod, height 1,35-3 m	9539 640 495
Tripod, mobile, 0,7-1,8 m	9539 640 496
Double bracket for the positioning of two lamps on a stand	9539 640 497



## LED pen lamp

Robust, for demanding tasks in rough working environments

Protection class IP54

Model	Lighting power	Intensity	Light range	Operating time	Version	Scope of supply	Fig.	Order no
Flash Pencil	75 lm	1500 (Lux)	40 m	2,5 h	With metal clip to attach to pocket	2 AAAA batteries	1	9539 640 346
Flash Pen, with boost function	100-200 lm	500-8000 (Lux)	80 m	ca. 7 h		2 AAA 1.5 V alkaline batteries	2	9539 640 345
FLASH 300, with boost function	150-300 lm	600-10000 (Lux)	100 m	ca. 3 h	With silicone carrying loop and clip holder	3 AAA 1.5 V alkaline batteries	3	9539 640 344
FLASH 600, with boost function	300-600 lm	1000-20000 (Lux)	150 m	ca. 2 h	With silicone carrying loop and clip holder	2 C 1.5 V alkaline batteries	4	9539 640 343



## LED battery torch

### FLASH, With boost function

High-quality, robust, powerful rechargeable torch for professional users, significantly increased luminous flux, compact design, with magnetic on/off switch with boost function, the torch switches back automatically after 60 seconds, with focus function adjustable from a concentrated, focused cone of light to a widely dispersed light, with a practical clip holder, housing made of anodised aluminium for high durability, ergonomic and safe handle, waterproof

Protection class IP54

Tested according to ANSI/NEMA FL1 standard



Model	Version	Light range	Beam angle	Length x width x height	Order no
FLASH 300 R	Luminous flux can be increased from 100 to 300 lm	100 m	10-60°	24 x 24 x 169 mm	9539 640 342
FLASH 600 R	Luminous flux can be increased from 300 to 600 lm	150 m	10-70°	38 x 38 x 196 mm	9539 640 341
FLASH 1000 R	Luminous flux can be increased from 500 to 1000 lm	250 m	10-60°	42 x 42 x 196 mm	9539 640 340



## LED torch

### FLASH

Compact, rechargeable, high quality, for professional users, easy to recharge via cigarette lighter

Lighting power	130 lm
Voltage	12-24 V
Light range	100 m
Beam angle	10-70°
Length x width x height	105 x 30 x 30 mm



Order no

9500 105 305



## Synchronous power generator PG 1200 X-TEA-54

Engine, connections ergonomically convenient on the front side in a control panel with voltmeter and hour meter, splash and impact protection through cover plates, long running times through large tank, high comfort through E-Start, electronic voltage regulation AVR, thermo-magnetic circuit breaker protects against overload and short circuit by defective consumers or lines, short time power up to 4 times the nominal power, 200 % inclined-load capable, safe personal protection by insulation monitoring (device does not have to be earthed), low oil shutdown

Version	E-Start
Voltage	230/400 V
Motor type	Honda GX630
Tank contents	24 l
Length x width x height	960 x 641 x 667 mm
Protection class	IP54

Power, max. drive motor 15,3 kW  
 Consumption at 75 % load 3.9 l/h  
 Sound pressure level Lp 70 dB(A)  
 Sound power level Lw 96 dB(A)  
 Apparent power with LTP 9100/13800 VA  
 Active power with LTP 8.2/11.1 kW  
 Apparent power at COP 7000/11800 VA  
 Active power at COP 6.2/9.4 kW  
 Socket design 3 x 230 V, Schuko/1 x 400 V, 16 A/1 x 400 V, 32 A



Order no

9539 483 500

9 General workshop requirements



## Power generator Duplex Plus-Line

With ECOtronic system, automatic low oil shut-off, generator overload protection, OHV engines, 3 in 1 display=V/Hz/h, tank level indicator, foldable carrying handles, integrated crane mount, slide-in compartment for quick reference guide and tools integrated directly under the tank, incl. insulation monitoring according to VDE 0100-551 2017.02

Type of fuel	Petrol
Protection class	IP54



This figure corresponds to 9539 644 800

Model	ESE 406 HG-GT	ESE 606 DHG-GT	ESE 1006 DHG-GT ES	ESE 1306 DHG-GT ES
Technical data	Continuous output 1~ [kVA/kW] 4.0/4.0	Continuous output 3~ [kVA/kW] 6.0/4.8 Continuous output 1~ [kVA/kW] 4.0/3.6	Continuous output 3~ [kVA/kW] 10.6/8.5 Continuous output 1~ [kVA/kW] 6.0/5.4 Running time at 75 % load 4.8 h	Continuous output 3~ [kVA/kW] 11.0/8.8 Continuous output 1~ [kVA/kW] 7.0/6.3 Running time at 75 % load 4.4 h
Voltage	230 V	400/230 V	400/230 V	400/230 V
Sound power level	95 dB(A)	96 dB(A)	97 dB(A)	97 dB(A)
Motor type	Honda GX270/8HP	Honda GX390/11HP	Honda GX630/21HP	Honda GX690/22HP
Start system	Reverse start	Reverse start	E-start incl. battery	E-start incl. battery
Length x width x height	780 x 550 x 595 mm	780 x 550 x 595 mm	870 x 580 x 565 mm	870 x 580 x 565 mm
Tank contents	33 l	33 l	20 l	20 l
Version	2 x 230 V/16 A 1 x CEE 230 V/32 A	2 x 230 V/16 A 1 x CEE 400 V/16 A	2 x 230 V/16 A 2 x CEE 400 V/16 A	2 x 230 V/16 A 1 x CEE 400 V/16 A 1 x CEE 400 V/32 A
Order no	9539 644 800	9511 355 600	9539 644 801	9539 644 802



## Power generator Silent-Line

Inverter technology, high power quality, compact and quiet, easy handling, with automatic low oil cut-off, generator overload protection, load-dependent engine speed, connection for 12 V battery charging, USB connection, transport wheels

Type of fuel Petrol  
Voltage 230 V  
Protection class IP23



This figure corresponds to 9539 644 807

Model	ESE 2000i	ESE 3000i
Motor type	Yamaha MZ 80/3.5 HP	Endress 175/E
Technical data	Continuous output 1~ [kVA/kW] 3.0/3.0 Running time at 75 % load 5 h	Continuous output 1~ [kVA/kW] 1.8/1.8 Running time at 75 % load 5 h
Sound power level	89 dB(A)	93 dB(A)
Version	1 x 230 V/16 A 1 x USB 5 V/2.1 A 1 x DC 12 V/8.3 A Parallel switching capability Extendable handle	1 x 230 V/16 A 1 x USB 5 V/2.1 A 1 x DC 12 V/8.3 A Extendable handle
Tank contents	4,1 l	6,8 l
Length x width x height	507 x 315 x 500 mm	588 x 442 x 452 mm
Order no	9506 448 939	9539 644 807



## Power generator GT-Line

With automatic low oil shut-off, generator overload protection, OHV engines, large tank for long running times, low distortion device for clean voltage

Type of fuel Petrol  
Protection class IP23



Model	ESE 306 HS-GT	ESE 406 HS-GT	ESE 606 DHS-GT
Technical data	Continuous output 1~ [kVA/kW] 2.9/2.6 Running time at 75 % load 18 h	Continuous output 1~ [kVA/kW] 4.2/3.9 Running time at 75 % load 18.8 h	Continuous output 3~ [kVA/kW] 7.0/5.6 Continuous output 1~ [kVA/kW] 3.5/3.2 Running time at 75 % load 14 h
Voltage	230 V	230 V	400/230 V
Sound power level	96 dB(A)	97 dB(A)	97 dB(A)
Motor type	Honda GX200/5,5HP	Honda GX270/8HP	Honda GX390/11P
Start system	Reverse start	Reverse start	Reverse start
Length x width x height	637 x 473 x 500 mm	800 x 538 x 576 mm	800 x 538 x 576 mm
Tank contents	20 l	30 l	30 l
Version	2 x 230 V/16 A	2 x 230 V/16 A	1 x 230 V/16 A 1 x CEE 230 V/16 A 1 x CEE 400 V/16 A
Weight	43 kg	61 kg	81 kg
Order no	9506 448 019	9539 644 806	9506 448 020

## Workshop set

Complete set for the commercial vehicle workshop, protects customers' vehicles from dirt and saves additional cleaning expense

### Scope of supply

- Disposable seat protector EXTRA XL
  - Disposable floor mats made from PAPERPLAST® printed "LKW"
  - Elasticated steering wheel protector
  - Elasticated gear stick knob protector
  - Elasticated handbrake protector
- in bag



Order no

9539 990 757

## Steering wheel protector

This figure corresponds to 9539 990 451

Application range	Size	Version	Scope of supply	Order no
Passenger cars	180 x 515 mm	without elastic band	on a roll, 500 pieces	9539 990 406
Truck	steering wheel diameter up to 55 cm	elasticated	box of 250	9539 990 451



## Steering wheel protector

Stretchable, non-slip adhesive foil, practical and easy to use with the changeable handle, sufficient for approx. 215 steering wheels

### Scope of supply

1 roll à 300 m, 1 changeable handle, blue



Order no

9539 001 039

## Door mat

Version without imprint, disposable  
 Material crepe paper, 70 g/m<sup>2</sup>  
 Colour white  
 Dimensions 380 x 500 mm

### Scope of supply

1 roll à 500 pieces



Order no

9539 990 572

## Door mat

Version with steering column punching, disposable  
 Material grey crepe, 180 g/m<sup>2</sup>  
 Colour brown  
 Dimensions 500 X 550 mm

**Application range**  
 Commercial vehicles

**Scope of supply**  
 1 package of 200 pieces



Order no

9539 001 032

## Door mat

Version anti-slip coated, water absorbent, waterproof, disposable  
 Material paper, film coated

**Scope of supply**  
 1 box of 500 pieces



Suitable for	Blade size	Order no
Passenger cars	380 x 500 mm	9539 990 540
Trucks	500 x 640 mm	9539 990 544

## Door mat

Non-slip due to one-sided coating, resistant to oil, dirt and water, dust-protected in practical dispenser box

Dimensions 400 X 550 mm  
 Material Polyethylene

**Scope of supply**  
 1 dispenser box with roll of 500 pieces



Version	Colour	Order no
With imprint 'feet', disposable	white	9539 001 061
1 dispenser box with roll of 500 pieces	grey	9539 001 062

### Accessories

This figure corresponds to 9539 001 070



Suitable for	Order no
1 dispenser box	9539 001 068
3 dispenser boxes	9539 001 070



## Seat cushion protector disposable

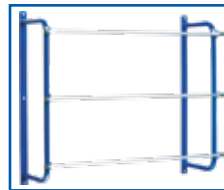
with headrest

Version folded  
Colour white/transparent  
Roll width 66 cm

### Application range

Cars

Description	Length	Width	Order no
on a roll, 500 pieces	1300 mm	820 mm	9539 990 240
roll of 250	1400 mm	850 mm	9539 990 280



### Accessories

This figure corresponds to 9539 001 071

Description	Order no
Roll holder suitable for 1 compact roll	9539 001 069
Roll holder suitable for 3 compact rolls	9539 001 071



## Seat cushion protector

Professional version with integrated headrest, extended seat surface, fully washable and can be washed down

Material artificial leather  
Colour black  
Length 1490 mm  
Width 665 mm  
Temperature resistance +30 °C

### Application range

trucks

Order no
9539 990 811



## Tyre bag

Version perforated  
Material MD-PE  
Dimensions 700 x 300 x 1000 mm

### Scope of supply

on a roll, 100 pieces

Order no
9539 990 810

## Storage bag For bolts

Version with 2 red cords  
Colour black

Order no
9539 001 067

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