

AUTOMOTIVE TOOLS / QUALITY MADE BY GEDORE

BMW

EN





KL-0080-1 K (Code 3429814)

Wiring Harness Repair Kit with Contact Assortment

Universally suitable for standard wire/terminal connections on passenger cars, commercial vehicles, vans, buses, construction machinery, agricultural machinery, trailers, and semi-trailers.
Especially for wire/terminal connections with and without single conductor seal (ELA), such as MCP-2.8, JPT, MQS, DTM/DT-twisted, SuperSeal-1.5, as well as for conventional crimp connections such as wire lugs, flat spade wire terminals, female flat spade wire terminals, butt connectors, etc.

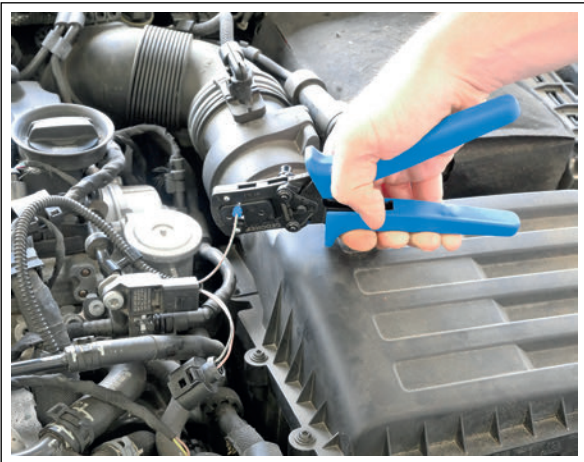
UNLOCKING, STRIPPING and CRIMPING, everything ready to hand in a clearly arranged case system, developed for fast, organised and efficient repair work in the everyday workshop.

Defective, oxidised or provisionally repaired cable/plug connections can lead to serious system failures on the vehicle. For this purpose, the repair kit for professionals offers a comprehensive and robust assortment for quick and professional repair of almost all common cable/plug connections on the vehicle. Thanks to the unique and compact basic tool/interchangeable insert system, this can also be expanded as required in the future. The scope of delivery already includes a generous assortment of the most common contact and seals.

UNLOCKING: Unlocking tool with matching interchangeable inserts for damage-free release of a wide variety of cable/plug connections from the connector housing.

STRIPPING: Stripping tool with razor-sharp interchangeable inserts for precise stripping, especially for cables with extremely slippery PVC insulation.

CRIMPING: Crimping tool with interchangeable inserts for a perfect crimping result as ex works, guaranteed by the special cable/plug positioners. The tool can only be opened again when the pressure required for the crimping process has been fully applied.



Technical Data:

Unlocking inserts:	7 pcs
Stripping inserts:	2 pairs
Crimping inserts:	11 pcs
MCP-2.8:	0.2 - 1.0mm ² diameter
JPT:	0.2 - 2.5mm ² diameter
MQS:	0.08 - 0.75mm ² diameter
DTM/DT twisted:	0.5 - 2.1mm ² diameter
SuperSeal-1.5:	0.35 - 2.5mm ² diameter
Pinch connections:	0.35 - 6mm ² diameter / AWG 10 - 22
Stripping:	0.03 to 16 mm ² diameter
Menge pro Kontakt:	25 pcs

Scope of Delivery

Part No.	Description	Qty
KL-0080-10 K	Wiring harness repair kit	1
KL-0080-104 K	Contacteur assortment in the case	1
KL-0080-1090-5	GEDORE i-BOXX Rack	1

KL-0080-11 K [Code 3424634]

Repair kit for FAKRA plug connection

Universal fit for cars, commercial vehicles, and vans with FAKRA cable/plug connections (RTK031 and RG174). Installed, for example, on GSM mobile radio antennas, GPS antennas, and in rear-view camera systems.

For stripping, crimping, and repairing FAKRA cable/plug connections. Time-consuming replacement of the entire FAKRA coaxial cable, usually across the vehicle, is not required!

Defective, oxidised, or provisionally repaired FAKRA cable/plug connections can lead to system failures on GSM mobile radios, GPS systems, and rear view camera systems.

Technical Data:

Cable diameter (RTK031):	3.2mm
Cable diameter (RG174):	2.8mm

Scope of Delivery

Part No.	Description	Qty
KL-0080-111	Fakra RTK031-Tool kit	1
KL-0080-112	Fakra RG174-Tool kit	1
KL-0080-1011	Crimping pliers handle	1
KL-0080-1130	Cable testing gauge	1
KL-0080-1190	Case with inserts	1



1100-1094 [Code 2979063]

VDE Tool assortment HYBRID, in GEDORE L-BOXX® 136

- The perfect range of tools for repair and maintenance work on hybrid and electric vehicles
- For vehicles of all the manufacturers
- All tools insulated on the basis of EN 60900/EC 60900
- GEDORE L-BOXX® 136 compatible with the Sortimo® vehicle interior fittings in your service mobile

Contents:

- 3/8" VDE Socket No. VDE 30, SW 6 8 9 10 11 12 13 14 15 16 17 18 19 20 22mm
- 3/8" VDE Screwdriver bit socket No. VDE INX 30, AF 8 10 12mm
- 3/8" VDE Extension No. VDE 3090 -3 -6, 75 150mm
- 3/8" VDE Reversible ratchet No. VDE 3093 U
- VDE Screwdriver slotted No. VDE 2170, 2.5 3.5 4 5.5mm
- VDE Screwdriver cross-slotted No. VDE 2160 PH 1 2 3
- VDE Screwdriver TX No. VDE 2163 TX T20 T25 T30
- VDE Cable shears No. VDE 8094, 200mm
- VDE Universal pliers No. VDE 146 10, 10"
- VDE Power combination pliers No. VDE 8250-200 H, 200mm, 2C handle
- VDE Power side cutter No. VDE 8314-180 H, 180mm
- VDE Bent nose pliers No. VDE 8132 AB-200 JC, 200mm angled 2C handle
- VDE Flat nose pliers No. VDE 8120-160 H, 160mm, 2C handle
- VDE Cable knife No. VDE 4522, 180mm
- Meter connection fitting No. V 914, Size 1 2 3

Technical Data:

Width:	444mm
Depth:	357mm
Height:	152mm
Weight:	8.3kg





KL-4600-100 K

[Code 3413659]

VDE Supplementary Kit

Fits universally for hybrid and electric vehicles.

The unique VDE supplementary kit offers the possibility to secure hybrid and electric vehicles ideally for working on them.

Perfect addition to the GEDORE VDE tool range - **1100-1094**.

Contents:

1x V 912 10 - Electrician's protective gloves incl. undergloves,
 1x VDE 910 25 - Rubber cloth cover 250 x 350,
 1x V 911 100 - ISO Insulation mat,
 1x KL-4600-1001 - Barrier tape,
 1x KL-4600-1002 - Warning sign "Flash",
 1x KL-4600-1003 - Voltage tester 1.000 V,
 1x KL-4600-1005 - Safety padlock,
 1x KL-4600-1006 - Warning sign High voltage "Switched on",
 1x KL-4600-1007 - Warning sign High voltage "Switched off"
 + GEDORE L-BOXX®



Technical Data:

Length:	150mm
Insulation:	RED dip insulated
Standard:	IEC 60900
Approval:	1000 V (double triangle)
Unit-tested:	10-way safety

KL-4600-3002

[Code 3433129]

Assembly Tweezers Bent, Insulated, 150mm

Universally used for hybrid and electric vehicles.

For safe working on the vehicle. Provide protection when accidentally touching live parts.



Technical Data:

Length:	145mm
Insulation:	RED dip insulated
Standard:	IEC 60900
Approval:	1000 V (double triangle)
Unit-tested:	10-way safety

KL-4600-3003

[Code 3433137]

Assembly Tweezers Straight, Insulated, 145mm

Universally used for hybrid and electric vehicles. Provides protection when accidentally touching live parts.

For safe working on the vehicle. Provides protection when accidentally touching live parts.



Technical Data:

Diameter:	20mm
Length:	85mm
Insulation:	RED dip insulated
Standard:	IEC 60900
Approval:	1000 V (double triangle)
Unit-tested:	10-way safety

KL-4600-3004

[Code 3433145]

Self-Clamping Cap Ø 20mm, Insulated, Length of 85mm

Universally used for hybrid and electric vehicles. Provides protection against accidental touches.

For easy putting on and securing of live cable ends.

KL-4600-200

(Code 3415740)

Tool Trolley High-Voltage Assortment with 103-Piece

Fits universally for hybrid and electric vehicles.

With its unique kit assembly, the high-voltage tool trolley offers the possibility to secure hybrid and electric vehicles ideally and to work on them. Perfect for repair and maintenance work on vehicles of all manufacturers.

All tools are insulated with protection according to EN 60900/EC 60900. The tool trolley has side panels with Euro perforations, a heavy-duty chassis with external bearings, ball-bearing guide rails, and central locking.

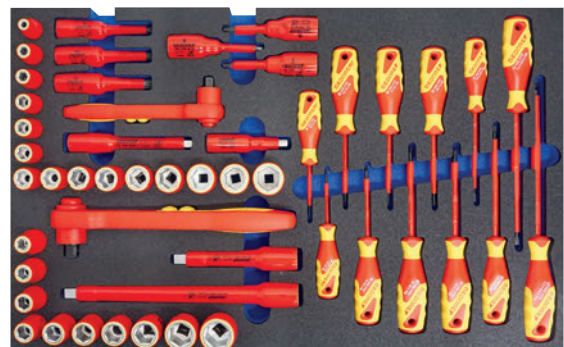
Inklusive: digitalem Spannungsprüfer, 3/8" VDE-Drehmomentschlüssel, Sicherungsschloss, Steckschlüssel und Knarre in 3/8" und 1/2", uvm.

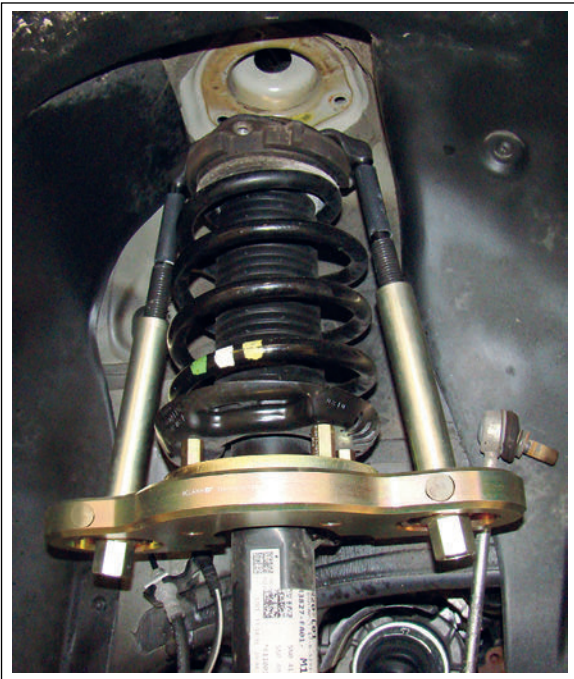
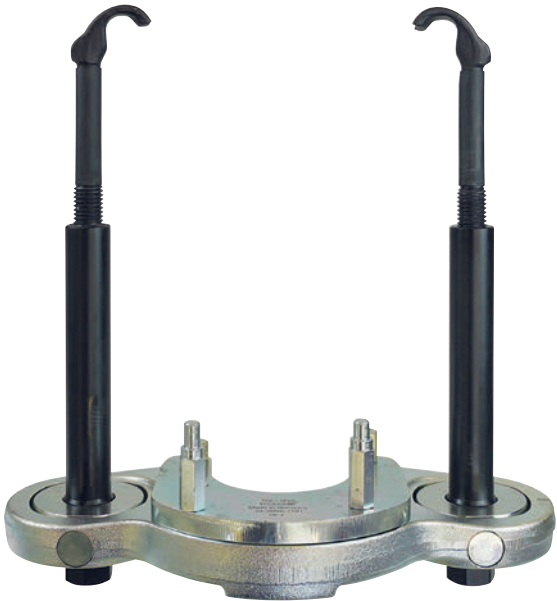
Content:

- 3/8" VDE-tool assortment with SW 6 - 22; XZN M8 - M12
- 3/8" VDE torque spanner 5 - 25 Nm
- 1/2" VDE workshop assortment with SW 10 - 24; IN 5 - 8 mm;
- VDE single open-end spanner SW 9 - 24
- VDE single end ring spanner SW 8 - 22
- VDE slotted and cross-head screwdriver; TX T8 - T30
- VDE cable shear
- VDE universal pliers
- VDE power combination pliers
- VDE power diagonal cutter
- VDE flat nose-round pliers, angled
- VDE flat pliers
- VDE cable stripping knife
- Meter connection fittings
- Digital voltage tester 1.000 V
- Electrician's protective gloves
- Undergloves
- Rubberised cloth cover 250 x 350 mm
- ISO insulation mat
- Barrier tape
- Warning sign "Flash"
- Warning sign high voltage "Switched ON", Warning sign "Switched OFF"
- Safety padlock
- Plastic clamp 80 mm; 160 mm
- Cable splitting wedge
- Rubber hammer

Technical Data:

Design	
Height	
Width	
Depth	
Number of drawers	
Load capacity (mobile)	
Load capacity (static)	
Load capacity (per drawer)	





KL-0029-200 E (Code 3405117) (Pat.)
**Removal and Mounting Aid for
McPherson Suspension Struts**

Suitable for McPherson struts, in combination with the vehicle-specific supplementary kits.

By preloading the McPherson strut directly on the vehicle, there is no need to loosen the drive shaft and axle guide, and the joints of the guide rod and track rod. There is no need either for a wheel alignment as it is required by the manufacturer. In combination with the vehicle-specific supplementary kits, the special design offers a universal field of application. The shape of the spring is not relevant here. The considerable time saving of up to 50% makes the spring compressor a worthwhile investment for the future.

Necessary accessories:
Vehicle-specific supplementary kits - KL-0029-1..series

Recommended Accessory:
**KL-0104-21-1 B Spreader Tool (adjustable), with Wedge No.1 + 2,
KL-0104-21.. Accessories (cf. scope of delivery of KL-0104-21 KB)**

- TIME, COST SAVING and EFFICIENT, simply HELPFUL!**
- Unique special device for easy compression or reduction of the overall length of the strut
 - Enables extremely fast removal and mounting of McPherson struts, especially on vehicle axles with strut clamping holes
 - Extremely time and cost saving, as work such as loosening of axle parts and wheel alignment are no longer necessary
 - Spring shape and pitch are completely irrelevant
 - No direct contact with the spring
 - Maximum user safety
 - Simplest handling
 - High load capacity
 - 4-fold safety

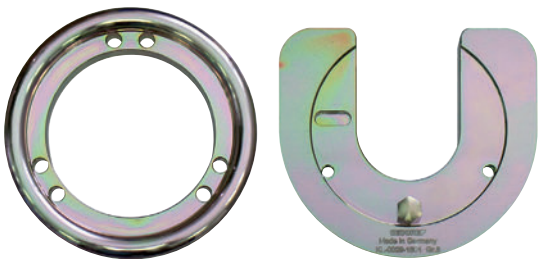
Technical Data:

Max. load:	17 500N
Span* (min/max):	160mm
Span* (min/max):	250 - 410mm
Drive of the clamping nut:	27mm

* each without support plate

Scope of Delivery

Part No.	Description	Qty
KL-0029-200	Spring compressor for pre-tensioning (base unit)	1
KL-0029-1090-1 A	Foam insert	1



KL-0029-160 A (Code 3275221) (Pat.)
Upgrade Kit, Size 6 (BMW)

Suitable for use on BMW front axle suspension struts; as found in BMW 3 Series (E46), (E90/E91); 5 Series (E39), (E60/E61), 1 Series (E81/E87), X1 (E84).

The **KL-0029-160 A** kit is designed to upgrade the **KL-0029-100 / -100 A** base coil spring pre-compressor by making it also suitable for use on the above-mentioned vehicles.

Required accessory:
KL-0029-100 / -100 A Coil Spring Pre-Compressor

Scope of Delivery

Part No.	Description	Qty
KL-0029-161	Support Plate with Bolt, Size 6	1
KL-0029-1602 A	Support Ring, Size 6	1

KL-0104-21 KB (Code 3269396) (Pat.)

Spreader Tool Kit (adjustable), with Wedge No.1 + 2 + 4 + 5

Applicable to strut clamping bores as found in: Audi A3 (8P, 8V), Audi TT (8S); VW Arteon (3H), Golf IV (1J), Golf V (1K), Golf VI (1K), Golf VII (AU), Passat (3C, 362, 365), T5 (7H, 7J), T6 (7H, 7J); BMW 2 Series (F45); Citroën; Fiat Panda (312); Ford Tourneo Connect, Galaxy (CK); Kia Sportage; Mercedes GLA (X156), Vito, V-Class; Nissan Qashqai (J10, 2006-2013); Seat; Škoda Kodiq; Renault Clio (IV), Kadjar (2015-2018), Megane (IV); Peugeot; Jeep; Volvo V70; Japanese vehicles etc.

Also suitable for spreading the slot (clamp) in the front wheel bearing housing (steering knuckle) to allow for proper removal of the lower ball joint from the following vehicles: Audi A4 (8K), A5 (8T, 8F), A6 (4G), A7 (4G), A8 (4H), Q5 (8R) etc.

Alternative tools: VAG 3424; VAG T20040; BMW 312230

The spreader tool kit is designed to professionally expand the strut clamping bore in steering knuckles. It can also be used to spread the slot (clamp) on the front wheel bearing housing (steering knuckle) to allow for the damage-free removal of the lower ball joint. This procedure is an absolute must to ensure the proper removal of tight-fitting or stuck spring/shock absorber units and lower suspension ball joints respectively.

Special features of the tool are the floating bolts that prevent the tool from jamming and the special spreader wedge which is provided with a limit stop to avoid excessive knuckle widening.

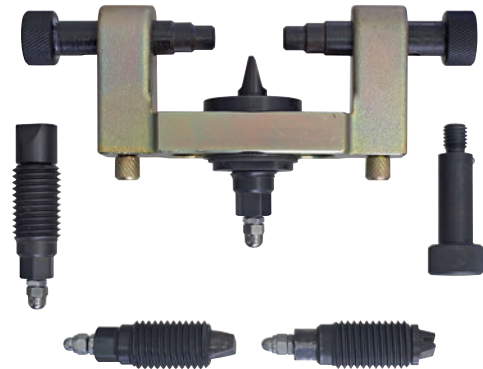
Prevents expensive damage to the cast iron or aluminium steering knuckle or other chassis components that may be caused by unprofessional removal/installation attempts. Thanks to its variably adjustable spreader tip, this tool is also ideal for use on vehicles with steering knuckles having a non-centralised slot! An indispensable tool when changing springs, shock absorber units as well as suspension ball joints.

Technical Data:

Spreader wedge No.1:	a: 5.5mm; b: 12mm
Spreader wedge No.2:	a: 2.0mm; b: 8.0mm
Spreader wedge No.4:	a: 5.5mm; b: 9.5mm
Spreader wedge No.5:	a: 12.5mm; b: 17mm

Scope of Delivery

Part No.	Description	Qty
KL-0104-21-1 B	Spreader Tool (adjustable), with Wedge No.1 + 2	1
KL-0104-2124	Pressure Screw, with Wedge No.4	1
KL-0104-2125	Pressure Screw, with Wedge No.5	1
KL-0104-2141	Bolt with M10 Thread	1
KL-0104-2190	Plastic Storage Case with Insert	1



KL-0145-120 A (Code 3041247)

Support Device

Universally fitting for wheel hubs with a hole circle diameter of 5x130 mm, 5x120 mm, 5x112 mm, 5x100 mm and many others.

A loose or sagging wheel suspension can damage the brake hose, the vehicle level sensor, cable connections, and the drive shaft.

The engine transverse strut, in combination with a gearbox lifting jack, enables the wheel suspension to be properly supported and fixed; for example, when removing and installing the suspension strut or replacing the axle suspension arms. The support is provided by the wheel hub and thus ensures a reliable hold in the respective position. Due to its special design, the engine transverse strut is adjustable in the camber angle. This allows the wheel suspension to be lowered and raised precisely at different angles.

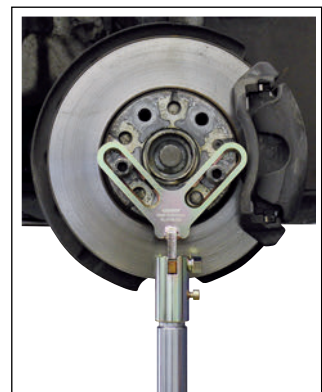
Recommended accessory:

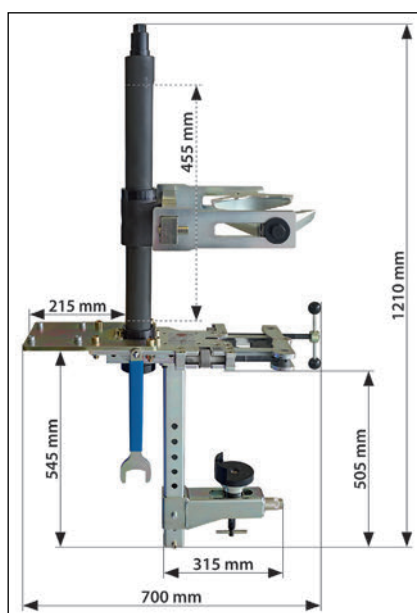
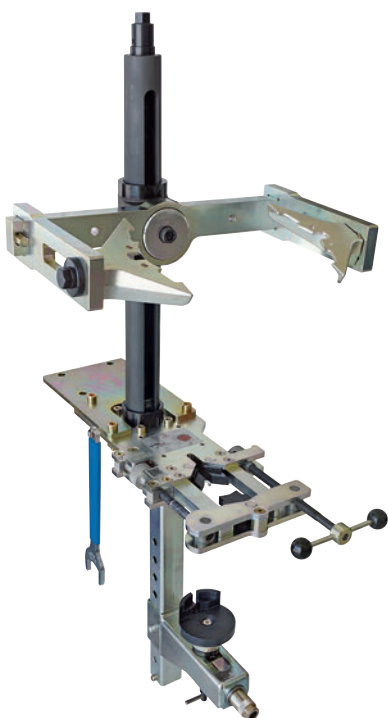
KL-0040-2571 Adaptor Sleeve, Ø 25mm

KL-0040-2588 - Adapter reception sleeve for VW, Ø 35mm

Technical Data:

Retaining Ø:	30mm
Overall height:	205mm
Inclination angle:	+/- 45°
Max. load capacity:	300kg




Technical Data:

Drive:	24mm waf
Breaking point:	60 000N
Max. load capacity:	15 000N
Weight without trolley:	46kg
Max. span (opening width):	570mm
For spring plate Ø:	125 - 220mm

KL-5501 B

(Code 3230503) (Pat.)

Spring Compressor, Stationary

Universally applicable to virtually all MacPherson suspension strut and shock absorber designs with coil springs, such as right-hand-coiled springs, left-hand-coiled springs, eccentric springs/spring plates, conical springs, springs with a small number of windings, long-pitch springs or variable-pitch springs.

Also suitable for use on shock absorber designs with rebound buffer springs, shock absorbers on which the hardness is electronically adjustable as well as magnetorheological shock absorbers.

Alternative tool: VAS 6908/1

The stationary spring compressor is the ultimate solution when it comes to compressing the MacPherson-type struts/shock absorbers that are commonly used in today's vehicle suspension systems. Special features, such as the variable spring plate-clamping device, the adjustable support column assembly, and the strut-holding device with one-hand operation, make the **KL-5501 B** a very versatile spring compressor that satisfies the highest Health and Safety Standards. Thanks to a special technique, the spring is compressed via the upper spring plate against the lower spring plate, hence spring shape and spring pitch are no longer an issue. Comes with a mounting plate that allows the spring compressor to be easily fixed to an appropriate workshop trolley or workbench.

Recommended Accessory: **KL-5501-40** - Hand Crank, size (waf) 24 mm

1993 U-20 - Reversible Ratchet 1/2", **KL-0056-11 E** - Shock Absorber Piston Rod Tool Set

Advantages:
Universal application!

Thanks to the wide range of adjustment possibilities, the spring compressor is applicable to virtually any MacPherson suspension strut and shock absorber design commonly used in today's vehicle suspension systems.

Maximum safety!

The sophisticated and solid overall design of the stationary spring compressor as well as its simple and user-friendly operation provide a maximum level of safety.

Applicable to many different spring designs!

With this spring compressor, the design of the spring - no matter whether it is about right-hand-coiled springs, left-hand-coiled springs, conical springs, eccentric springs, springs with a small number of windings, long-pitch springs or variable-pitch springs - is no longer an issue. This is thanks to the special compression technique which allows the spring to be compressed via the upper spring plate against the lower spring plate.

Applicable to shock absorbers with rebound buffer spring!

Thanks to the large opening width of 570mm and a compression force of up to max. 15 000N, even shock absorbers with rebound buffer springs that require a high pre-load on the spring are not an issue.

No damage to the strut/shock tube!

The clamping bars of the strut-holding device can properly and quickly be aligned and adjusted to the respective strut tube diameter by means of a knurled nut. Plastic clamping jaws prevent damage to the strut tube.

Allows for one-person operation!

Thanks to the strut-holding device with quick-action clamping and one-hand-operation mechanism, the entire process can be carried out by just one person.

Mobile use - in conjunction with a workshop trolley/workbench!

The stationary spring compressor comes with a mounting plate that enables it to be fixed to an appropriate workshop trolley/workbench. To attach the spring compressor to the **MODULO KL-4999-120 A**, **KL-4999-121 A** workshop trolley/workbench or to a vertical wall, the special **MODULO** mounting kit **KL-5501-211** is needed. This allows the user to carry out repairs more quickly, more efficiently and more flexibly, also next to the vehicle.


Technical Data:

Adaptor Ø:	57mm
Length/Thickness	20mm


KL-5501-1435 A

(Code 3406199)

Adapter for Shock Absorber with Fork Mount

Fits struts with fork mount. For example, installed on Mercedes M-Class (W164, W166), R-Class (W251); Audi Q7 (4LB); VW Touareg (7L, 7P); Porsche Cayenne (9PA, 92A), Panamera (970); etc.

The adapter **KL-5501-1435 A** enables the safe reception of suspension struts with fork mounting on the lower support on the stationary spring compressor **KL-5501 / KL-5501 B**. The adapter is mounted on the spring-compressing device instead of the plastic support **KL-5501-1431**.

KL-5501-212

(Code 3402169)

Wall Bracket, long

Suitable for KL-5501 B (NOT for KL-5501).

The long wall bracket enables stable mounting of the stationary spring compressor - **KL-5501 B** on a vertical wall. Here, the using the hand ratchet as well as the hand crank - **KL-5501-40** is possible without problems.

Recommended Accessories:
KL-5501-40 Hand crank

Technical Data:

Distance to the wall:	245mm (middle drive)
Weight:	3.5kg



KL-5501-40

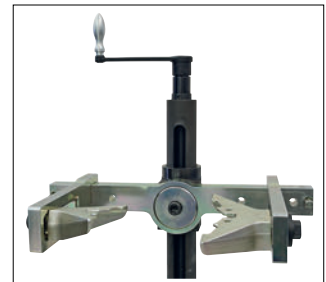
(Code 3402444)

Hand Crank, size (waf) 24mm

The hand crank enables an amazingly simple and fast drive of the stationary spring compressor - **KL-5501** or **KL-5501 B** when tensioning and releasing a MacPherson strut. For this purpose, the crank handle is simply attached to the spring compressor via the 24 mm drive hexagon.

Technical Data:

Drive:	Hexagonal / 24mm
Length:	195mm



KL-0056-11 E

(Code 3401472)

Shock Absorber Piston Rod Tool Kit, in Foam Insert

Fits universally for MacPherson struts on passenger cars.

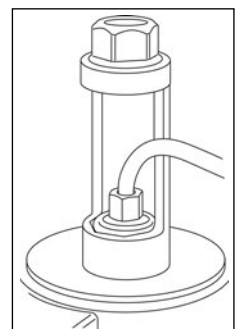
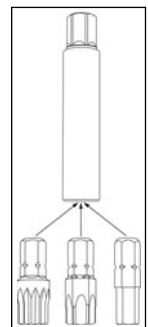
For quick loosening and tightening of the piston rod nut on MacPherson struts. Required, for example, when replacing the shock absorber or the suspension spring. The special holders and the large number of interchangeable screwdriver bits and sockets also allow the shock absorber piston rod to be properly held in place through the open sockets. The ring ratchet wrench included in the kit facilitates and speeds up this work.

Recommended Accessories: 1993 U-20 SK - Reversible ratchet

Tool Storage System: KL-4990-9372 - Plastic Storage Case

Scope of Delivery

Part No.	Description	Qty
KL-0056-1116	Socket, open, size (waf) 16mm	1
KL-0056-1117	Socket, open, size (waf) 17mm	1
KL-0056-1118	Socket, open, size (waf) 18mm	1
KL-0056-1119	Socket, open, size (waf) 19mm	1
KL-0056-1121	Socket, open, size (waf) 21mm	1
KL-0056-1131	Holder for screwdriver bits 5/16"	1
KL-0056-1132	Holder for sockets 1/4"	1
KL-0056-1141	Screwdriver bit, size (waf) 5mm	1
KL-0056-1142	Screwdriver bit, size (waf) 6mm	1
KL-0056-1143	Screwdriver bit, size (waf) 7mm	1
KL-0056-1144	Screwdriver bit T50	1
KL-0056-1145	Screwdriver bit XZN12	1
KL-0056-1151	Socket, 2- flat, 6mm	1
KL-0056-1152	Socket, 2- flat, 7mm	1
KL-0056-1153	Socket, 2- flat, 8mm	1
7 R 19	Open-ended spanner with ring ratchet, 19mm	1
7 XL 10	Combination spanner, 10mm	1
KL-0056-1190-1	Foam insert	1


Technical Data:

Sockets:	Size (waf) 16/17/18/19/21mm
Screwdriver bits:	Size (waf) 5/6/7mm/T50/XZN12
Pluggable insert, double flat:	Size (waf) 6/7/8mm
Socket drive:	Size (waf) 19mm
Holder drive:	Size (waf) 10mm
Holder for screwdriver bits:	5/16"
Holder for pluggable inserts:	1/4"



KL-0033-10 E (Code 3276317) (Pat.)
Compact Internal Coil Spring Compressor, Size 2A, in a Foam Insert

Universally applicable to wishbone and independent, multi-link suspension systems as found in vehicles from VW-Audi, Seat, Porsche, Mercedes, BMW, Ford and in many more.

The internal coil spring compressor allows you to quickly and safely remove and install coil springs on wishbone and independent, multi-link suspensions in situ on the vehicle.

Thanks to the particularly compact design, the compressor base body can be easily inserted into the spring from below, through the wishbone - even with VAG vehicles having a very small lower wishbone access hole (of approx. 34mm Ø).

As a result, the loosening of axle components and follow-up wheel alignments are no longer necessary.

Sturdy and robust design ensures a high level of operational safety.

The unique 3-point safety interlock mechanism and the special anti-rotation profile prevent the pressure plates from twisting during the compression process and, thus, the coil spring from coming loose and falling off the spring compressor.

Simple and safe mounting of the spring compressor - no need for additional locking, awkward or cumbersome installation work is avoided!

Another special feature of the pressure plates are the anti-slip protective inserts which prevent the spring from unwinding itself out of the spring compressor and also avoid damage to the sensitive coating of the spring.

Advantages:

- Particularly compact design.
- Universally applicable to coil springs on wishbone and independent, multi-link suspension systems.
- THE ideal tool for VAG vehicles having a very small access hole in the wishbone.
- Eliminates the need for loosening axle components and follow-up wheel alignments.
- Substantial time savings.
- High level of safety when compressing the spring - thanks to the unique 3-point safety interlock mechanism.
- No additional locking necessary - thanks to the safe and simple lock mechanism!
- No risk of the pressure plates twisting - thanks to the special anti-rotation profile.
- No risk of damaging the sensitive spring surface finish - thanks to the anti-slip protective inserts.
- No risk of the spring unwinding itself out of the spring compressor - thanks to the anti-slip protective inserts.

Recommended Accessory:

KL-0033-300 E Holding-Down Tool Kit, in a Foam Insert

Tool Storage System:

KL-4990-9372 - Plastic Storage Case

Technical Data:

Max. load capacity:	30,000N
Breaking point:	120,000N
Working travel:	100mm
Opening width:	116 - 216mm
Overall length:	178 - 278mm
Drive:	19mm external hex + 8mm internal hex
Weight:	3.5kg

Scope of Delivery

Part No.	Description	Qty
KL-0033-100 A	Compressor Base Body	1
KL-0033-1101	Pressure Plate with Lock	1
KL-0033-1102	Pressure Plate with Anti-Rotation Profile	1
IN 19 LK 8-140	Screwdriver bit socket	1
KL-0033-1090-1	Foam Insert	1



KL-0033-16 (Code 3279642)

Pair of Pressure Plates, Size OA

Universal application. Particularly suitable for use on Mercedes-Benz E-Class (W211, W212), C-Class (W204, on the rear axle), GLA (X156), GLK (X204); Ford Focus III (MK3); BMW 1 Series (E81); VW Passat (B8/3G).

The pair of pressure plates, in conjunction with the necessary accessories, allows you to quickly and safely remove and install coil springs on wishbone and independent, multi-link suspensions in situ on the vehicle. The unique 3-point safety interlock mechanism and the special anti-rotation profile prevent the pressure plates from twisting during the compression process and, thus, the coil spring from coming loose and falling off the spring compressor.

Necessary Accessories (included in **KL-0033-10 E**):

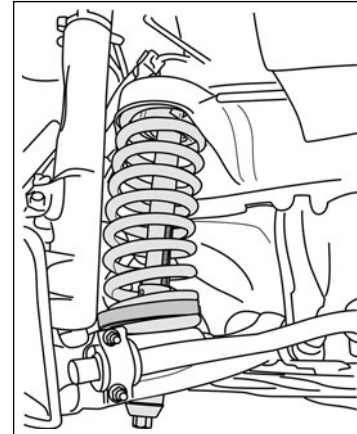
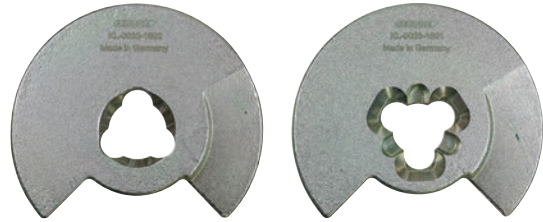
KL-0033-100 Compact Compressor Base Body, **IN19LK8-140** Bit Socket, 8mm waf

Technical Data:

For spring Ø from:	80mm (inside))
For spring Ø up to:	110mm (outside)
Gradient of pressure plate to 240°:	6mm

Scope of Delivery

Part No.	Description	Qty
KL-0033-1601	Pressure Plate, Size OA, with interlock mechanism	1
KL-0033-1602	Pressure Plate, Size OA, with anti-rotation profile	1



KL-0033-300 E (Code 3275205)

Holding-Down Tool Kit, in a Foam Insert

Universally applicable to wishbone and independent, multi-link suspension systems as found in vehicles from VW-Audi, Seat, Porsche, Mercedes, BMW, Ford and in many more. Essential tool for use on the rear axle of VW-Audi, Porsche and Mercedes-Benz vehicles.

For example: Audi A4 (8K), A5 (8T), A6 (C6), Q5 (8R), Q7 (4M); Seat Exeo (3R); VW Touareg; Porsche Cayenne (PO536), Macan; Mercedes-Benz E-Klasse (W211, W212), C-Klasse (W204), GLA (X156), GLK (X204); etc.

The holding-down tool kit is intended to ease the removal and installation of coil springs on wishbone and independent, multi-link suspensions. Particularly recommended for use with our **KL-0033-10 E** Compact Internal Coil Spring Compressor.

Insert the holding-down tool between the upper control arm and the vehicle body. Then, pre-tighten it slightly. The tool is designed to keep the suspension in position while the coil spring is being compressed. This reduces the compression travel and greatly facilitates the removal of the spring.

Tool Storage System:

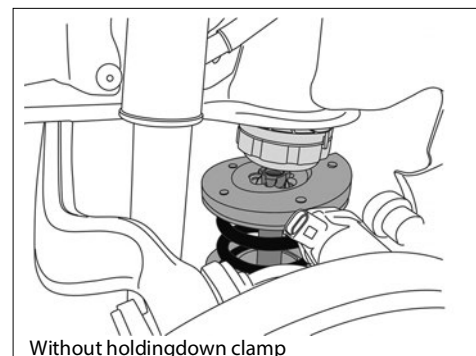
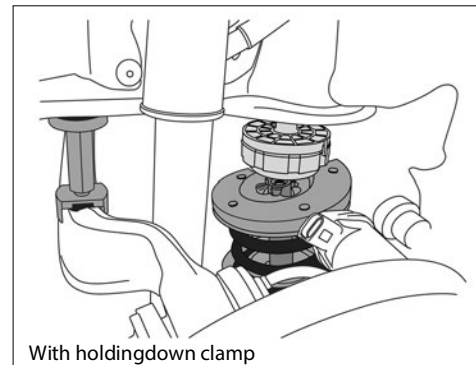
KL-4990-9224 Plastic Storage Case

Technical Data:

Drive:	22mm waf
Diameter of support:	Ø 40/50mm
Clamping range (short adjusting nut):	80 - 113mm
Clamping range (long adjusting nut):	105 - 138mm

Scope of Delivery

Part No.	Description	Qty
KL-0033-3001	Support Bracket	1
KL-0033-3002	Support, Ø 50mm	1
KL-0033-3003 A	Support, Ø 40mm	1
KL-0033-3004	Adjusting Nut, short	1
KL-0033-3005	Adjusting Nut, long	1
KL-0033-3090-1	Foam Insert	1



1/2"



KL-1340-201

[Code 1998692]

Socket wrench ball joint (SW 41 mm)

Suitable for BMW, ALPINA, Peugeot and Citroën. Especially for BMW 5er (F07, F10, F11), 6er (F06, F12, F13), 7er (F01, F02, F03, F04); ALPINA B6 (F06); Peugeot 307, 308, 3008, 5008, Partner, RCZ; Citroën Berlingo, C4 and many more.

For the professional loosening and tightening of screwed ball joints with a width across flats of 41 mm.

Technical Data:

Size:	41mm waf
Drive:	1/2"
Length:	75mm
Weight:	700g
Profile:	bi-hex



KL-0169-1 B

[Code 3283674]

Track Rod Adjustment Tool

Universally suitable for track rods with tube Ø of approx. 11 to 23mm as found in passenger cars.

Designed to facilitate the loosening and adjustment of stiff track rods with tube Ø of approx. 11 to 23mm as found in passenger cars.

Thanks to the detachable tube handle, the tool length can be reduced from 420 to 250mm. This allows for convenient working even in confined space conditions in the wheel arch. The broad serrated jaws are designed to prevent damage to the track rod.

Technical Data:

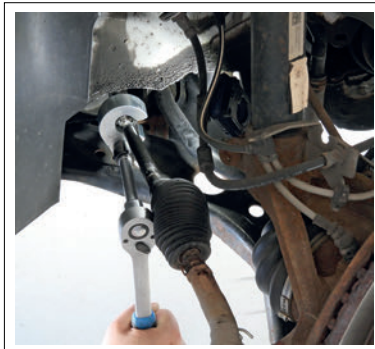
For track rod tube Ø:	approx. 11-23mm
Overall length:	420mm
Length without tube handle:	250mm

Scope of Delivery

Part No.	Description	Qty
KL-0169-100	Adjustment Tool	1
KL-0169-101	Tube Handle	1
KL-0169-1001	Adaptor	1



1/2"



KL-0167-30 A

[3427900] (DE-GM)

Excentric Spanner to Remove / Install the Inner Track Rod Joint

Universally suitable for cars and vans, e.g. Audi, BMW, Citroen, Dacia, Ford, Hyundai, Kia, Mazda, Mercedes, Mini, Nissan, Opel/Vauxhall, Peugeot, Porsche, Renault, Seat, Skoda, Toyota, Volvo, VW and many more.

For a quick removal and installation of internal track rod joint or axial joints with a diameter of 30 to 43 mm, directly on the vehicle without removing the steering gear.

The unique open design makes it easy to fit the spanner directly onto the track rod without first having to dismantle the outer, usually seized part of the track rod. Due to the special eccentric, the outer profile on the track rod or axial joint (e.g. 2-sided, 4-sided, 6-sided or round) is irrelevant. The robust profile of the eccentric spanner reliably prevents the tool from slipping. The track rod eccentric spanner is driven by a 1/2" square socket.

Technical Data:

Drive:	1/2"
For Ø:	30 ... 43mm

KL-0121-96 B [Code 3410129]

Clamping Pliers for Steering and Axle Boots

Universal fit for VW-Audi , Seat, Skoda, BMW, Citroën, Mazda, Honda, Nissan, Ford, Opel and many more.

Alternative tools: VAG1682, VAG1682A, BMW 315200, Opel MKM-804

The clamping pliers permit proper compression of lug clamps as required by the tightening torque, as well as damage-free sealing of continuous anchor clamps. Required, for example, for axle boots, steering boots, coolant hoses, fuel lines, etc.

The design of the clamping pliers makes it easy to change the pliers jaws required for the respective application. Depending on the space available on the vehicle, these jaws can be mounted on the pliers either from the FRONT or from the SIDE.

Recommended accessories:

4549-05 - Torque spanner (10-50Nm)

Scope of Delivery

Part No.	Description	Qty
KL-0121-9600 B	Hose clamp pliers Hose clamp pliers	1
KL-0121-9611-1	Hook (pliers jaw)	2



Technical Data:

Length:	260mm
Weight:	490g
Drive:	3/8"

KL-0049-300 [Code 2379228]

Slide Hammer Puller Base Tool, 4.8kg

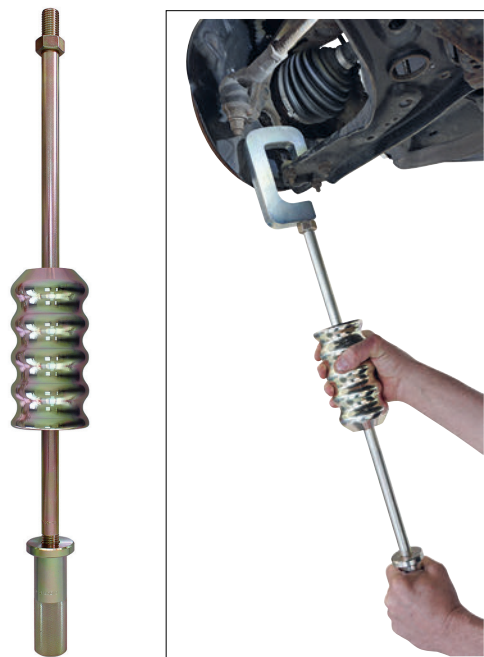
The ideal tool for extracting stuck or tight-fitting components such as half shafts, universally jointed drive shafts, injector nozzles etc. It is used in conjunction with the respective adaptors and puller bolts.

Recommended Accessory:

KL-0049-3020 Hook

Technical Data:

Hammer weight:	4.8kg
Length:	680mm
Connection thread:	M18



KL-0049-360 A [Code 3411001]

Hook for Impact Extractor

Particularly suitable for quickly pulling the wishbone axle with support joint out of the clamping hole on the steering knuckle. The profiled shape of the hook allows it to be placed very closely to the support joint.

Required drive parts:

KL-0049-31 / KL-0049-300 - Impact extractor 4.8kg

Technical Data:

Dimensions a:	95mm
Dimensions b:	100mm
Dimensions c:	25mm





KL-4999-250

[Code 3413349]

Modular Workstation „MODULO 250“

Universally applicable for repairs on wheel bearings, steering and axle systems on passenger cars and vans.

The robust assembly trolley "MODULO 250" in its unique composition offers the ideal mobile workstation for the fast, organised and efficient replacement of wheel bearings, silent bearings, support joints, bushings, etc.

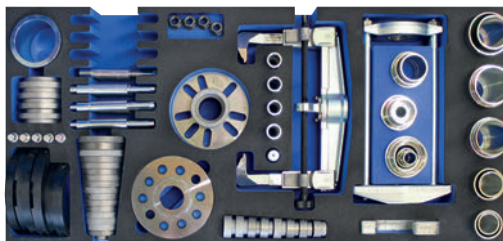
Included in the modulo:

- Various drive parts such as hydraulic cylinder 17t **KL-0040-2500**, ring ratchet/open-end spanners, impact extractors 4.8 kg - **KL-0049-31** as well as pull/thrust spindles (mechanical, hydraulic), quick-clamping nuts and adapters of the **KL-0039-..Series** for driving the tool kits.
- Articulated handle - **KL-4007-411** as well as power spanner/socket spanner sockets (SK / TX / XZN) for loosening and tightening of wheel bearing central screws.
- Locking ring pliers - **KL-0192-5** for the disassembly and assembly of wheel bearing locking rings.
- Wire brush for derusting and cleaning various components.
- Wheel hub puller - **KL-0041-38..** as well as wheel bearing tool kits of the **KL-0041-4.. Series** for pressing out and in of wheel hubs and wheel bearing units, for example on VW, Audi, Seat, Škoda.
- Pullers of the **KL-0174-.. Series** for pulling standard wheel bearings as well as pressing out bonded and stuck cardan shafts.
- Hook for impact extractors - **KL-0049-360 A** for pulling of wishbones from the suspension joint clamping hole.

Technical Data Assembly Trolley: See **KL-4999-270** MODULO Assembly Trolley

Required Drive Parts: **KL-0215-35 M25** - Hydraulic-Pump

Technical Data: See **KL-4999-270** MODULO Assembly Trolley



KL-4999-260

[Code 3423468]

Modular Workstation "MODULO 260"

Universally applicable for repairs on wheel bearings, steering and axle systems on passenger cars and vans.

The assembly trolley "MODULO 260" with its unique composition is the ideal, mobile workstation for fast, organised, and efficient repairs.

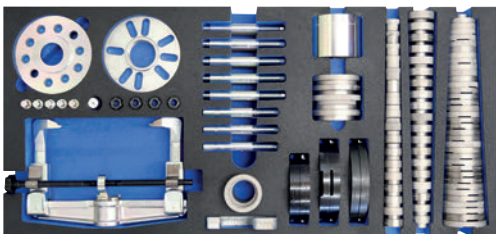
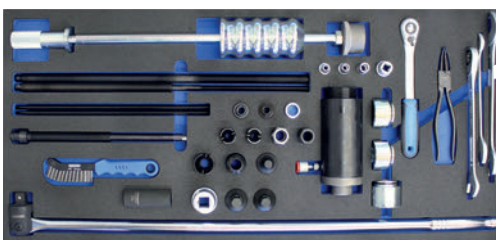
Contents / Scope of application same as KL-4999-250 plus additionally:

- Wheel bearing tool kits of the **KL-0039-.. Series** for pressing out and in of nearly all standard wheel bearings and wheel hubs.
- Silent block tool kits of the **KL-0039-.. Series** for pressing out and in of silent blocks and joints bearings.
- Pressing devices of the **KL-0326-1.. Series** for pressing out and in support/guide joints; for example, on Mercedes and VW T4.
- Pressing devices of the **KL-0610-1.. Series** for pressing out and in silent blocks on rear axle trailing arms; for example, on Ford, Mazda, Volvo.
- Wheel bearing tool - **KL-2211-111..** for pulling stuck screwed wheel bearing units; for example, on Subaru.

Technical Data Assembly Trolley: See **KL-4999-270** MODULO Assembly Trolley

Required Drive Parts: **KL-0215-35 M25** - Hydraulic-Pump

Technical Data: See **KL-4999-270** MODULO Assembly Trolley



KL-4999-270 [Code 3418340] Modular Workstation „MODULO 270“

Universally applicable for repairs on wheel bearings, steering and axle systems on passenger cars and vans.

The assembly trolley "MODULO 270" with its unique composition is the ideal, mobile workstation for fast, organised, and efficient repairs.

Contents / Scope of application same as KL-4999-250/-260 plus additionally:

- Holding device **KL-0115** for counterholding wheel hubs when loosening and tightening the wheel bearing central bolt.
- Pullers of the **KL-0042-9.. Series** for pulling stuck wheel bearing inner races on the wheel hub.
- Clamping **KL-0121-96..** To compress lug clamps and locking of stepless hose clips.
- Forcing tool of the **KL-0165-.. Series** for separating ball joint connections on steering and axle systems.
- Excentric spanner **KL-0167-30** for loosening and tightening inner tie bar joints or axial joints.
- Disassembly fork **KL-0190-12** to check bearing and joint connections on vehicle axes, and to disassemble various parts.

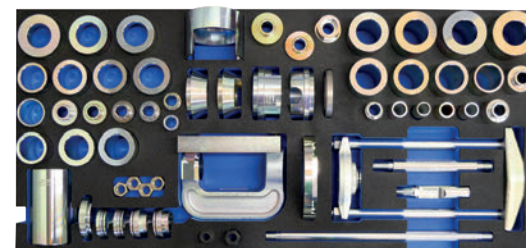
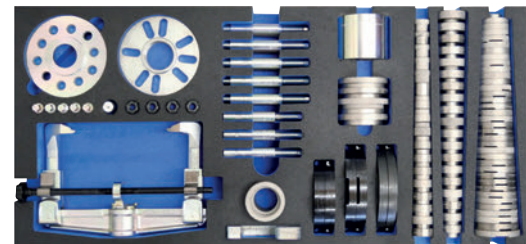
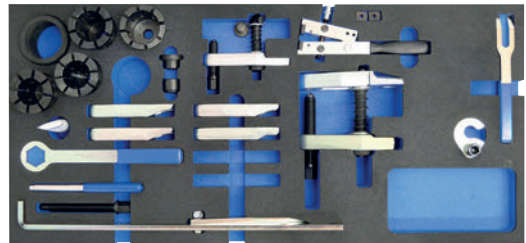
Technical Data Assembly Trolley:

- Dimensions: H 985 x W 1200 x D 635 mm
- Beech multiplex worktop, 30 mm thick, oiled
- Total load carrying capacity: 1000 kg / mobile operation: 750 kg
- 2 fixed castors Ø 200 mm and 2 swivel castors Ø 125 mm with total brake
- Sheet steel, corrosion-resistant, scratch-resistant powder-coated in GEDORE blue
- Wide drawers (W 998 x D 474 mm) with full extension, max. load 70 kg
- Automatic drawer retraction with single pull-out stop and central locking system
- Side walls with Euro perforation 10 x 38 mm for attaching hooks and tools

Required Drive Parts: KL-0215-35 M25 - Hydraulic-Pump

Technical Data:

Width:	985mm
Height:	1,200mm
Depth:	635mm
Total load-bearing capacity (mobile):	750kg
Total load-bearing capacity (static):	1.000kg
Max. load per drawer:	70kg



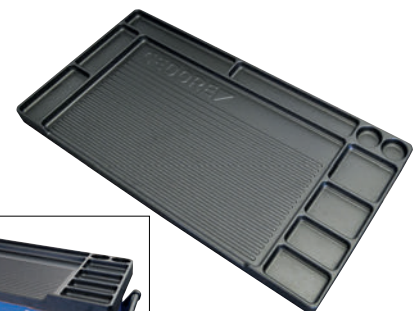
KL-4999-1280 [Code 3428001] Surface-Mount Worktop for KL-4999 Series / 1507 XL

Fits the MODULO workshop trolley KL-4999-..series and GEDORE 1507 XL.

Extremely robust surface-mount worktop made of impact-resistant and oil-resistant ABS hard plastic. For easy mounting on the already existing wooden worktop. Two can shelves and eight storage compartments for orderly storage of various small parts.

Technical Data:

Inner plate dimension:	1202 x 639mm
Weight:	3.2kg
Material	Impact-resistant and oil-resistant ABS hard plastic





KL-0414-2 [Code 3421171]
Drive Shafts Disassembly Lever

Universally suitable for passenger cars and vans with plugged-in drive shafts on the gearbox. Installed e.g. in Alfa Romeo, BMW, Citroen, Dacia, Ford, Fiat, Hyundai, Kia, Mazda, Mercedes, Mini, Nissan, Opel, Peugeot, Renault, Toyota, Volvo and many more.

Alternative tools: BMW 315110, Opel DT-51329-A, Ford 204-226

For quick and easy pressing out of plugged-in drive shafts on the gearbox. The articulated foot on the disassembly lever which can be adjusted in length, position and angle, enables an optimal and damage-free support by the gearbox.

Technical Data:

Length:	610mm
Blade width:	40mm
Weight:	1.5kg



KL-4021-310 [Code 3405494]
Kit of Screwdriver Bits 3/8" with Ball Head

Universal fit for Brake calliper fastening screws, for example for VW-Audi, Seat, Škoda, BMW, Mercedes, Volvo, Opel, Renault, PSA, and many others.

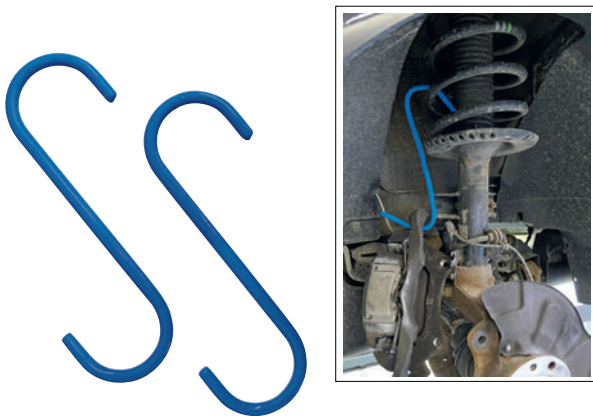
For easy removal and tightening of brake calliper fastening screws. The special spherical head of the screwdriver bits also allows to work at an offset angle, for examples in areas which can only be accessed with difficulty.

Technical Data:

Spanner size	7/9/11mm
Drive:	3/8"
Length:	100mm

Scope of Delivery

Part No.	Description	Qty
KL-4021-3107 A	Screwdriver bit, size 7mm	1
KL-4021-3109 A	Screwdriver bit, size 9mm	1
KL-4021-3111 A	Screwdriver bit, size 11mm	1



KL-0114-55 [Code 3417352]
Universal Brake Calliper Hook Pair
(shapeable/flexible)

Universally applicable.

Flexibly shapeable hooks with a robust blue surface coating. For example, they can be used for maintenance and repairs, to safely suspend brake callipers, air conditioning compressors, power steering pumps, and much more. Damage to hoses and cables from hanging down is thus avoided!

Technical Data:

Height:	240mm
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KL-0186-14 KB [Code 3420124]

Universal Injector Puller Kit

Universally suitable for diesel injectors, for example for BOSCH injectors with M17x1 internal thread, and also for BOSCH and DELPHI injectors with M14x1.5 external thread.

The injector puller kit enables fast and powerful pulling of severely stuck injectors directly on the vehicle without having to remove the cylinder head. Depending on the injector, the special 2-part pull spindles with pull adapter can be universally combined in terms of length and connection diameter.

The injector puller can also be universally used for many other common rail diesel engines by using the optionally available support bolts, pull adapters, and supplementary kits.

Recommended accessories:

Set of Vacuum Line Plugs - **KL-0121-75**

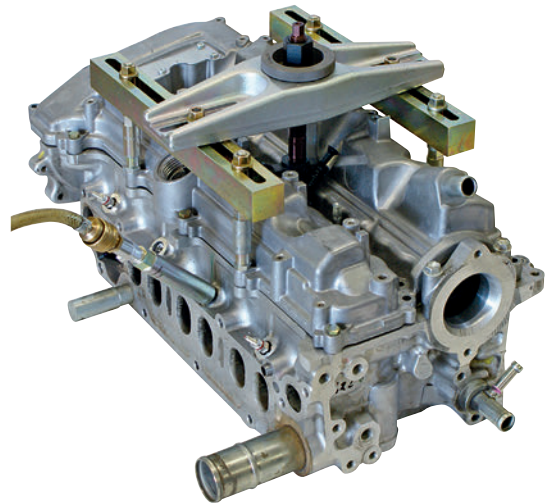
Alternative drive parts:

Hydraulic Cylinder, short, 17t - **KL-0040-175 C**,

Hydr. Hand Pump with Pressure Gauge - **KL-0215-35 M25**

Scope of Delivery

Part No.	Description	Qty
KL-0186-121 A	Pull-off bridge (basic tool)	1
KL-0186-1231-11	Support pin 110mm, M6	4
KL-0186-1235-3	Grub screw M6 x 45mm	4
KL-0186-1235-2	Grub screw M6 x 25mm	4
KL-0583-1005 B	Pull adapter, M17x1, with Union Nut	1
KL-0583-1032 A	Pull adapter M14x1.5mm	1
KL-0186-1401	Pull spindle 115mm	1
KL-0186-1402	Pull spindle 170mm	1
KL-0186-1215	Collar nut M16x1.5mm	1
KL-0369-4505 A	Special insert size 10mm	1
KL-0369-461 A	Socket spanner size 29mm	1
KL-0186-1251	Set of Spacer Nuts, 5mm (4-piece)	1
KL-0186-1252	Set of Spacer Nuts, 10mm (4-piece)	1
KL-0186-1253	Set of Spacer Nuts, 15mm (4-piece)	1
KL-0126-221	Magnetic lifter, flexible	1
KL-4990-2001	Plastic box 53 x 107 x 18mm	2
KL-0186-1492 B	Foam insert	1
KL-4990-9474	Plastic case	1



Recommended Supplements:

Set of Support Bars - KL-0186-122,

Pull Spindle Adapter Sets - KL-0186-1281 A / -1282 A / -1283 A / -1284 A / -1285 A,

Support Bolt Kit - KL-0186-130 A / -132 / -1233 / -1234 / -1236 / -1238 / -1239 / -1240

KL-0186-1240 [Code 2970430]

Set of Support Bolts, M6, 170mm

Applicable to the BMW 1.6, 2.0 (N47) and 3.0 (N57), as well as MINI 1.6 and 2.0 (N47) Common Rail Diesel engines. For example, fitted to: BMW 1 Series (E81, E82, E87, E88; F20, F21), 2 Series (F22), 3 Series (E90, E91, E92, E93; F30, F31; F34), 4 Series (F32), 5 Series (E60, E61; F10, F11; F07), 6 Series (F06, F12, F13), 7 Series (F01, F02, F04), X1 (E84), X3 (E83; F25), X5 (E70; F15), X6 (71, E72), and MINI Clubman (R55), Clubvan (R55), Countryman (R60), Paceman (R61), Coupé (R58), Roadster (R59) etc.

By using the support bolt kit, the injector extractor - **KL-0186-14 EA** also fits the above-mentioned engines.

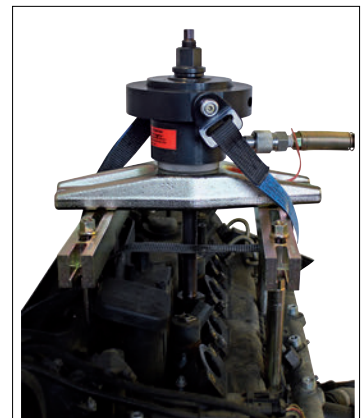
Necessary accessories:

KL-0186-14 EA - Injector extractor kit;

depending on the injector, the supplementary kit - **KL-0186-128**, may be required.

Scope of Delivery

Part No.	Description	Qty
KL-0186-1240-10	Support Bolt, 170mm	4
KL-0186-1235-2	Set Screw, M6x25mm	4





Technical Data:

For injectors	Siemens/VDO
Drive	1/2"
Spanner size	25 mm

Scope of Delivery

Part No.	Description	Qty
KL-1383-1021 A	Pull adapter M25x1	1
KL-1383-1022	Socket spanner size 25mm	1

KL-0186-1281 A

[Code 3420132]

Supplementary Kit, Siemens Injector M25x1

Fits Siemens injectors with an internal thread of M25x1 and a spanner size of 25 mm. Particularly suitable, for example, for VW, Audi, Seat, Škoda 1.6 TDI (CAYA, CAYB, CAYC, CAYD, CAYE, CLNA) and PSA 2.0 HDI (DW10) etc. Particularly suitable, for example, for W, Audi, Seat, Škoda 1.6 TDI (CAYA, CAYB, CAYC, CAYD, CAYE, CLNA)

By using the supplementary kit, the injector extractor **KL-0186-14 KB** also fits the above-mentioned injectors and engines.

Necessary accessories:

Universal injector puller kit - **KL-0186-14 KB**, depending on the injector, the supporting pin kit **KL-0186-12../13..** may be required.

Alternative drive parts:

Injector extractor adapter - **KL-0369-4111**
and impact extractor **KL-0049-300** (4.8kg) or **KL-0369-4100** (1.5kg)



Technical data:

For injectors	Siemens/VDO
Drive	1/2"
Spanner size:	27 mm

Scope of Delivery

Part No.	Description	Qty
KL-1383-1221 A	Pull adapter M27x1	1
KL-1383-1222 A	Socket spanner size 27mm	1

KL-0186-1282 A

[Code 3420140]

Supplementary Kit, Siemens Injector M27x1

Fits Siemens injectors with an internal thread of M27x1 and a spanner size of 27 mm. Particularly suitable e.g. for PSA 2.0 HDI 90 HP (DW10 TD), etc.

By using the supplementary kit, the injectorpuller kit **KL-0186-14 KB** also fits the above-mentioned injectors and engines.

Recommended accessory:

Universal injector puller kit - **KL-0186-14 KB**, depending on the injector, the supporting pin kit - **KL-0186-12../-13..** may be required.

Alternative drive parts:

Injector extractor adapter - **KL-0369-4111**
and impact extractor **KL-0049-300** (4.8kg) or **KL-0369-4100** (1.5kg)



Technical Data:

For injectors:	Denso
Drive:	3/8"
Size:	17mm
Weight:	250g

Scope of Delivery

Part No.	Description	Qty
KL-0186-1612 A	Pull adapter M16x1	1
KL-4417-17 A	Socket spanner size 17mm	1

KL-0186-1283 A

[Code 3420159]

Supplementary Kit, Denso Injector M16x1

Fits Denso injectors with an internal thread of M16x1 and a spanner size of 17mm. Particularly suitable, for example, for Toyota and Lexus 2.2, 2.5 and 3.0 common rail diesel engines (1KD-FTV, 2AD-FHV, 2AD-FTV, 2KD-FTV H, 2KD-FTV L), etc.

By using the supplementary kit, the injectorpuller kit **KL-0186-14 KB** also fits the above-mentioned injectors and engines.

Necessary accessories:

Universal injector puller kit- **KL-0186-14 KB**, depending on the injector, the supporting pin kit - **KL-0186-12../-13..** may be required.

Alternative drive parts:

Injector extractor adapter - **KL-0369-4111**
and impact extractor **KL-0049-300** (4.8kg) or **KL-0369-4100** (1.5kg)



Technical Data:

For injectors:	Denso
Drive:	1/2"
Size:	27mm
Weight:	600g

Scope of Delivery

Part No.	Description	Qty
KL-0186-1611 B	Pull adapter M20x1 Pull adapter M20x1	1
KL-1383-1222 A	Socket spanner size 27mm	1
KL-0186-2201	Special insert	1

KL-0186-1284 A

[Code 3420175]

Supplementary Kit, Denso Injector M20x1

Fits Denso injectors with an internal thread of M20x1 and an external thread of M25x0.5 / M25x0.75 and a spanner size of 27 mm. Particularly suitable, for example, for Toyota and Lexus 2.2, 2.5 and 3.0 common rail diesel engines (1KD-FTV, 2AD-FHV, 2AD-FTV, 2KD-FTV H, 2KD-FTV L), etc.

By using the supplementary kit, the injectorpuller kit **KL-0186-14 KB** also fits the above-mentioned injectors and engines.

Necessary accessories:

Universal injector puller kit- **KL-0186-14 KB**, depending on the injector, the supporting pin kit - **KL-0186-12../-13..** may be required.

Alternative drive parts:

Injector extractor adapter - **KL-0369-4111**
and impact extractor **KL-0049-300** (4.8kg) or **KL-0369-4100** (1.5kg)

KL-0186-1285 A [Code 3420183]

Supplementary Kit, Delphi / Bosch Injectors with M18x2 Internal Thread

Suitable for Delphi / Bosch injectors with lateral fuel connection (90° angle to the injector). Particularly suitable, for example, for Mercedes-Benz 1.8 and 2.1 Common Rail diesel engines (OM651), etc.

By using the supplementary kit, the injectorpuller kit **KL-0186-14 KB** also fits the above-mentioned injectors and engines.

Necessary accessories:

Universal injector puller kit- **KL-0186-14 KB**, depending on the injector, the supporting pin kit - **KL-0186-12../13..** may be required.

Alternative drive parts:

Injector extractor adapter - **KL-0369-4111**

and impact extractor **KL-0049-300** (4.8kg) or **KL-0369-4100** (1.5kg)



Technical Data

For injectors	Delphi and Bosch
Weight	600 g

Scope of Delivery

Part No.	Description	Qty
KL-0186-1711 A	Pull adapter M18x2.5	1
KL-0369-420	Nozzle extractor Nozzle extractor	1

KL-0186-50 B [Code 2917459]

Cleaning Tool (Universal) for Injector Nozzle Seat

Universally suitable for the VW-Audi, Seat, Škoda, Citroën, BMW, Ford, Land Rover, Mazda, Mercedes, Opel/Vauxhall, Peugeot, Renault, Toyota, Volvo Diesel engines having an injector nozzle seat Ø of 17mm.

The tool allows for the quick and professional cleaning of injector nozzle seats.

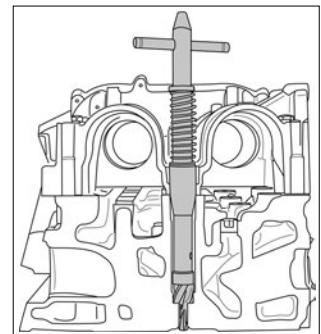
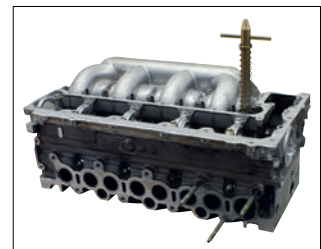
Before installing/re-installing an injector nozzle, it is absolutely necessary to clean the seal seat in order to avoid leakage between the cylinder head and injector nozzle.

The spring-loaded centring cone sleeve ensures that the cleaning tool is accurately guided in the injector nozzle bore, thus enabling the seal seat to be cleaned properly and without any trouble.

Recommended accessory: KL-0186-501 Extension (150mm)

Technical Data:

Drive:	T-Handle
Length:	238mm
Cleaning tool Ø:	7.3/17mm



KL-0186-54 E [Code 3415228]

Injector Bore Cleaning Kit

Universal fit for diesel engines; for example, VW-Audi, Seat, Škoda, Citroën, BMW, Ford, Land Rover, Mazda, Mercedes, Opel, Peugeot, Renault, Toyota, Volvo, and many others.

The injector bore brushes allow simple and quick cleaning of the injector bore in conjunction with a cordless screwdriver, for example. To prevent leaks between the injector and the seal seat, flat injector seal seats with 17mm in diameter can be quickly and precisely cleaned from stubborn combustion residues by using the cleaning tool.

Recommended accessories:

Compressed-air adapter set - **KL-0369-54 A**, Glow plug brush set - **KL-0369-24**

Storage system:

Plastic case - **KL-4990-9274**

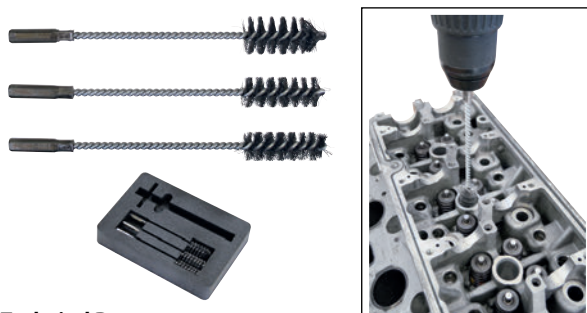
Scope of Delivery

Part No.	Description	Qty
KL-0186-50 B	Cleaning tool, universal	1
KL-0186-5401	Injector bore brush, 18mm diameter	1
KL-0186-5402	Injector bore brush, 19mm diameter	1
KL-0186-5403	Injector bore brush, 24mm diameter	1
KL-0186-5490	Foam insert	1

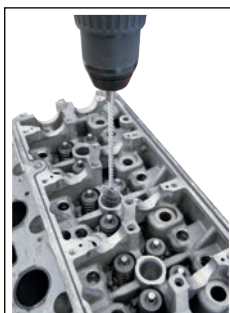


Technical Data:

Injector bore brushes (length):	200mm
Injector bore brushes (diameter):	18 / 19 / 24mm
Cleaning tool (length):	238mm
Cleaning tool (diameter):	7.3 / 17mm

**Technical Data:**

Injector bore brushes (length):	200mm
Injector bore brushes (diameter):	18 / 19 / 24mm diameter

**KL-0186-540 E**

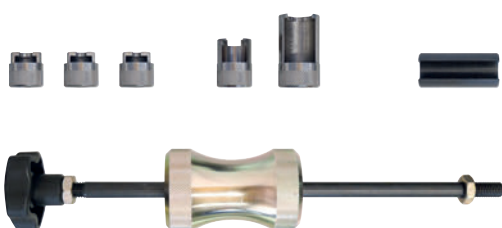
[Code 3415252]

Tubular brush kit for injector bores

Universal fit for diesel engines; for example, VW-Audi, Seat, Škoda, Citroën, BMW, Ford, Land Rover, Mazda, Mercedes, Opel, Peugeot, Renault, Toyota, Volvo, and many others.

Scope of Delivery

Part No.	Description	Qty
KL-0186-5401	Injector bore brush, 18mm diameter	1
KL-0186-5402	Injector bore brush, 19mm diameter	1
KL-0186-5403	Injector bore brush, 24mm diameter	1
KL-0186-5490	Foam insert	1

**Technical Data:**

Impact weight:	0.9kg
Length of impact extractor:	300mm
Mounting thread for impact extractor:	M10

**KL-0187-100 E**

[Code 3283798]

Injector Extractor Kit for Direct Injection Petrol Engines, in Foam Insert

Fits universally for passenger cars and vans with direct injection petrol engines with BOSCH, SIEMENS VDO, CONTINENTAL, MAGNETI-MARELLI, and DENSO injectors. Installed for example on VW-Audi, Seat, Škoda (FSI, TSI, TFSI), Alfa Romeo, BMW, Ford, Hyundai, Nissan, Mercedes, Opel, and many more.

For quick and professional removal of injectors on direct injection petrol engines. Required, for example, when replacing the injectors and when dismantling the valve cover. For this, the injector is loosened and pulled out using the impact extractor. The different extractors allow safe operation on the respective injector.

Recommended Accessories:

KL-0187-101 Injector repair kit

Storage System:

KL-4990-9274 Plastic Case

Scope of Delivery

Part No.	Description	Qty
KL-0187-1001	Extractor for impact hammer size 1	1
KL-0187-1002	Extractor for impact hammer size 2	1
KL-0187-1003	Extractor for impact hammer size 3	1
KL-0187-1004	Extractor for impact hammer size 4	1
KL-0187-1005	Extractor for impact hammer size 5	1
KL-0049-1205	Plastic sleeve	1
KL-0049-101	Impact extractor base unit	1
KL-0187-1090	Foam insert	1

**Recommended Accessories:**

KL-0187-100 E Injector extractor kit for direct injection petrol engines

Storage System:

KL-4990-9274 Plastic case, KL-0187-1090 Foam insert

Scope of Delivery

Part No.	Description	Qty
KL-0187-1011	Calibration tool	1
KL-0187-1012	Mounting cone	1
KL-0187-1013	Mounting cone	1

KL-0187-101

[Code 3283828]

Injector Repair Kit for Direct Injection Petrol Engines

Fits universally for passenger cars and vans with direct injection petrol engines with BOSCH, SIEMENS VDO, CONTINENTAL, MAGNETI-MARELLI, and DENSO injectors. Installed for example on VW-Audi, Seat, Škoda (FSI, TSI, TFSI), Alfa Romeo, BMW, Ford, Hyundai, Nissan, Mercedes, Opel, and many more.

Alternative tools: BMW 130280, 130281, 130282, 130283, 130190, 130192, 130193, 130194, 130195

For damage-free assembly of combustion chamber sealing rings (Teflon sealing rings), and O-rings (fuel side) on direct injection petrol injectors.

Before reinstalling a used injector, replace the sealing rings as specified by the manufacturer. The new sealing rings are simply pushed on the injector via the assembly cone with the aid of the calibration tool.

The sealing ring for the combustion chamber is additionally constricted (calibrated) in 2 stages at the seal-seat.

A new combustion chamber sealing ring which was not constricted during the installation will most probably be damaged when re-installing the injector.

KL-0369-512 [Code 3293734]

Set of Taps (M6 - M8)

Universally suitable for common rail Diesel engines such as by VW, Audi, Citroën, Fiat, Jeep, Mercedes, Peugeot, Smart, Seat, Škoda, and many others.

This set of taps enables professional re-cutting and cleaning of the threaded holes for the clamping screws on the injection nozzle holder or the injector fastening. These extra-long taps make it easy to reach the deep threads in the cylinder head without having to dismantle the valve cover.

Recommended Drive Parts:

GEDORE 8551 TG-2 Tool holder for taps

Technical Data:

Thread:	M6 / M7 / M8
Length:	100mm



Scope of Delivery

Part No.	Description	Qty
KL-0369-51 A	Tap M6 with drilling head	1
KL-0369-511 A	Tap M7 with drilling head	1
KL-0369-5121	Tap M8 with drilling head	1

KL-0369-25 KA [Code 2802929]

Reamer Set (adjustable) for Glow Plug Aperture, in a Plastic Storage Case

Universally suitable for use on Diesel engines with either an M8x1, M9x1 or M10x1 glow plug retaining thread.

The ideal tool set for BMW 1.6 and 2.0 Diesel engines as fitted to: BMW 1 Series (E81/E82/E87/E88), 3 Series (E90/E91/E92/E93), 5 Series (E60/E61/F10), X1 (E84), X3 (E83); MiniHatch (R56), Countryman (R60), Clubman (R55), Coupé (R58).

(Engine codes: N47; N47 C16K1; N47 C16U1; N47 C20K1; N47 C20U1; N47 D20A; N47 D20C; N47 D20D; N47 D20K0; N47 D20K1; N47 D20O0; N47 D20O1; N47 D20U0; N47 D20U1; N47S D20B; N47S D20D; N47S D20T0; N47T D20K1; N47T D20O1; N47T D20U1)

The set of adjustable reamers is designed to clean out glow plug apertures and glow plug retaining threads. Thanks to the possibility to combine the different holders (glow plug retaining threads) with the necessary reamers (glow plug aperture Ø), and to precisely adjust the length of the reamers as needed, this tool set is virtually universal in its field of application, since the reamers can be accurately adapted to the respective engine type. The special design of the tool and the cleaning groove in the holder allow carbon deposits to be removed from glow plug retaining threads and glow plug apertures carefully and effectively.

Scope of Delivery

Part No.	Description	Qty
KL-0369-2510 A	Holder, M8x1, with Set Screw	1
KL-0369-2610 A	Holder, M9x1, with Set Screw	1
KL-0369-2710 A	Holder, M10x1, with Set Screw	1
KL-0369-2512 A	Reamer, Ø 4.8mm (Glow plug Ø D = Ø 4.0mm)	1
KL-0369-2522 A	Reamer, Ø 5.2mm (Glow plug Ø D = Ø 4.4mm)	1
KL-0369-2732 A	Reamer, Ø 5.8mm (Glow plug Ø D = Ø 5.0mm)	1
KL-0369-2590	Plastic Storage Case	1



KL-0580-230 [Code 3408566]

Socket Spanner for BMW Injection Pump Shaft (N47)

Fits BMW (N47) 1.6 and 2.0 diesel engines with Bosch CP4.1 high-pressure pump. Installed, for example, in BMW 1 Series (F20), 2 Series (F22, 23, 45, 46), 3 Series (F30, 31, 34), 4 Series (F32, 36), 5 Series (F10), 6 Series (G32), X1 (F48), X2 (F39), X3 (F25), X4 (F26), X5 (F15), and in Mini Cooper D (F54, F56, F60), etc. (Engine code: N47D16, N47D20, N47C16K1, N47C16U1, N47C20K1, N47C20U1, N47D20A, N47D20C, N47D20D, N47D20K0, N47D20K1, N47D20O0, N47D20O1, N47D20U0, N47D20U1, N47SD20B, N47SD20D, N47SD20T0, N47TD20K1, N47TD20O1, N47TD20U1)

Alternative tools: BMW 2359956

For correct positioning of the high-pressure pump shaft when fitting the timing chain sprocket. Required, for example, for adjustments, replacement of the high-pressure pump, or for engine repair.

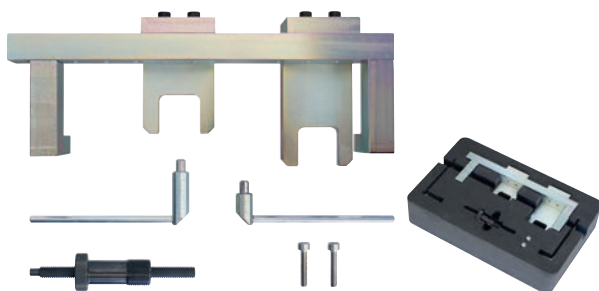


Technical Data:

Length:	41mm
Drive:	1/2"
Weight:	250g

Recommended accessories:

Locking tool set for BMW (N47/N57) - **KL-0580-82 KB**, Puller for injection pump wheel - **KL-0580-21**



Technical Data:

For engine type	Petrol
Storage	with foam insert

Storage System: Plastic case - **KL-4990-9374**

Alternative tool: BMW 11 7 440, 11 9 340, 11 9 590, 49 6 709

KL-0580-841 E

[Code 3298787]

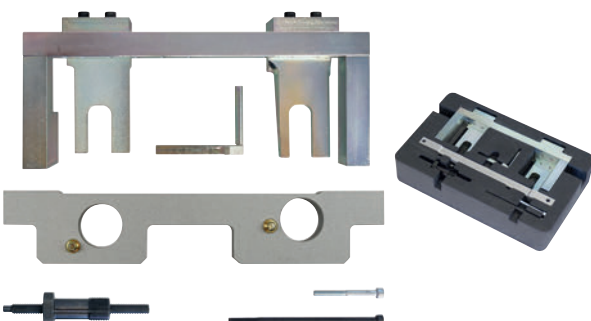
Locking Tool Kit BMW/MINI (N13/N18)

Fits BMW (N13) and MINI (N18) 1.6 petrol direct injection engines with turbocharging. Installed, for example, in BMW 1 Series (F20, F21), 3 Series (F30, F31, F80), and MINI (R56), Convertible (R57), Coupé (R58), Countryman (R60), Paceman (R61), Roadster (R59), CLUBMAN (R55), etc. (Engine codes: N13B16A, N18B16A, N18B16B, N18B16C)

For locking the camshaft and flywheel. For pre-tensioning the timing chain tensioner. Required when changing the timing chain, removing and installing the VANOS adjustment units, or repairing the engine.

Scope of Delivery

Part No.	Description	Qty
KL-0580-8411	Locking tool for camshaft	1
KL-0580-8113 B	Pretensioning tool for timing chain	1
KL-0580-8412	Locking pin 8mm diameter, long	1
KL-0580-8413	Locking pin 8mm diameter, short	1
KL-0167-1413	Cheese-head screw M6 x 30mm	2
KL-0580-8419	Foam insert	1



Technical Data:

For engine type	Petrol
Storage	with foam insert

Storage System: Plastic case - **KL-4990-9374**

Alternative tool: BMW 2212830, 2212831, 2219548, 119340, 83302212830, 83302212831

KL-0580-842 E

[Code 3298930]

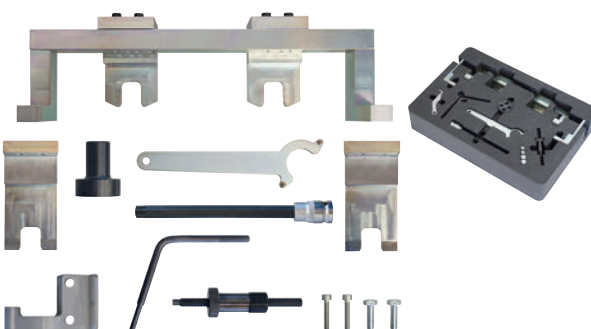
Locking Tool Kit for BMW (N20)

Fits BMW (N20) 2.0 petrol direct injection engines with turbocharging. Installed, for example, in BMW 1 Series (F20, F21), 2 Series (F22, F87, F23), 3 Series (F30, F80, F31, F34), 4 Series (F32, F82, F36, F33, F83), 5 Series (F10, F11, F07), Z4 (E89), X1 (E84), X3 (F25), X4 (F26), X5 (F15, F85), etc. (Engine codes: N20B20, N20B20A, N20B20B)

Locking the camshaft and flywheel. Pre-tensioning the timing chain tensioner. Checking the settings of the camshaft sensor wheels. Required when changing the timing chain, removing and installing the VANOS adjustment units, or repairing the engine.

Scope of Delivery

Part No.	Description	Qty
KL-0580-8421	Locking tool for camshaft	1
KL-0580-8422	Locking pin for flywheel	1
KL-0580-8423	Camshaft gauge	1
KL-0580-8113 B	Pretensioning tool for timing chain	1
KL-0580-8424	Hexagon socket head screw M6 x 55mm	1
KL-0580-8425	Hexagon socket head screw M6 x 120mm	1
KL-0580-8429	Foam insert	1



Technical Data:

For engine type	Petrol
Storage	with foam insert

Storage System:

Plastic case - **KL-4990-9374**

Alternative tool:

BMW 2212830, 2212831, 2219548, 119340, 83302212830, 83302212831

KL-0580-851 E

[Code 3298574]

Locking Tool for BMW (B38/B46/B48)

Fits BMW (N20) 2.0 petrol direct injection engines with turbocharging. Installed, for example, in BMW 1 Series (F20, F21, F40), 2er (F22, F87, F23, F44, F45, F46, G42), 3er (G20, G80, G21, G81, F30, F80, F31, F34), 4er (G20, G80, G21, G81, G22, G82, G23, G83, G26, F32, F82, F33, F83, F36), 5er (G30, F90, G31, G32), 7er (G11, G12), X1 (F48), X2 (F39), X3 (G01, F97), X4 (G02, F98), i8 (I12), Z4 (G29) und bei MINI (F55, F56), Clubman (F54), Cabriolet (F57), Countryman (F60) etc. (Engine Codes: B38A12A, B38A15A, B38B15A, B38K15A, B46A20A, B46A20B, B46B20B, B48B16A, B48A20A, B48A20B, B48A20E, B48A20F, B48B20A, B48B20B)

Locking the camshaft and flywheel. Pre-tensioning the timing chain tensioner. Checking the settings of the camshaft sensor wheels. Required when changing the timing chain, removing and installing the VANOS adjustment units, or repairing the engine.

Scope of Delivery

Part No.	Description	Qty
KL-0580-8511	Locking tool for camshaft	1
KL-0580-8512	Peg plate, long	2
KL-0580-8513	Camshaft release spanner	1
KL-0580-8514	Crankshaft pin	1
KL-0580-8515	Adapter for flywheel locking pin	1
KL-0580-8516	Crankshaft turning tool	1
KL-4041-3460	Screwdriver bit, T60,200mm, 1/2"	1
KL-0580-8113 B	Pretensioning tool for timing chain	1
KL-0580-8517	Hexagon head screw M8 x 25mm	2
KL-0167-1413	Cheese-head screw M6 x 30	2
KL-0580-8519	Foam insert	1

KL-0124-59 (Code 2961830)

Removal Tool for HENN® Clamps

Universally suitable for HENN® clamps as found on coolant hoses/charge air hoses. Installed, for example, in the following vehicles: VW-Audi, Seat, Škoda, BMW, Peugeot, Citroën, Dacia, Fiat, Ford, Kia, Lexus, Mazda, Mercedes, Nissan, Opel/Vauxhall, Porsche, Renault, Toyota, Volvo etc.

Designed for the professional loosening/opening of HENN® Clamps as found on coolant hoses/charge air hoses in passenger cars. An indispensable tool when removing/installing coolant hoses/charge air hoses etc. The handle of the tool can be unscrewed and repositioned by 90 degrees. This allows even HENN® Clamps which are difficult to access to be loosened/opened with ease.



KL-0121-21 A (Code 3406350)

Hose Clamp Pliers with Remote Control (semi-rigid)

Universell passend für PKW und NKW.

- To easily clamp and release spring-loaded band clamps, for example to remove and install hoses for oil, fuel and cooling water.
- The special It can be bent into almost any position and remains there, similar to a wire.
- This makes it possible to reach spring-loaded band clamps even in extremely hard-to-reach places, such as EGR coolers. feature of these pliers is the semi-rigid design of the Bowden cable.
- The automatic retaining function of the pliers holds the spring-loaded band clamp securely in this state after it has been pre-tensioned once.

Technical Data:

For Ø :	18 - 53mm
Length:	680mm
Weight:	640g



KL-0130-3 (Code 3254437)

Exhaust Hanger Removal Pliers

Universally suitable.

Particularly sturdy design.

Allows for the quick, easy and damage-free separation of exhaust brackets from rubber hangers. Even very stiff or tight rubber hanger supports are no longer an issue. Thanks to this tool, struggling with screwdrivers or assembly levers has now become a thing of the past.

Hand injuries as well as damage to the vehicle caused by improper removal methods can be prevented by using our **KL-0130-3** removal pliers.

Technical Data:

Length:	300mm
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KL-0131-51 (Code 1753118)

Chain Pipe Cutter

Universal application.

Alternative tool: VAS 6254

This tool is used to cut exhaust pipes having a wall thickness of up to 2.5mm and a Ø of 70mm. Also suitable for stainless steel pipes.

Thanks to the special design of the tool, only a minimum expenditure of force is required throughout the whole cutting operation.

The wing screw allows for the necessary adjustment while cutting.

Technical Data:

Length:	250mm
For wall thickness:	max. 2.5mm
For pipe Ø:	max. 70mm

Note:

By attaching a second chain, the cutter can be used on pipes with larger diameters.





KL-0131-5101

[Code 1753126]

Spare Chain

Technical Data:

Length:	270mm
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4550-..

Torque wrench TORCOFIX K

- Robust, silk-matt chrome-plated steel tube construction
- With chrome-plated ratchet head and glass-fibre-reinforced plastic parts
- For controlled bi-directional tightening by simply switching the square
- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 4%) is exceeded.

4550-20

[Code 7601610]

Torque wrench TORCOFIX K

Technical Data:

Nm:	20-200
lbf·ft:	15-150
Scale:	1 N·m
Length:	485 mm
Weight:	1100 g

4550-30

[Code 7601880]

Torque wrench TORCOFIX K

Technical Data:

Nm:	60-300
lbf·ft:	45-220
Scale:	1 N·m
Length:	577
Weight:	1400 g


Technical Data:

Drive	1/2"
Nm	40-200
Scale division	1 Nm
Length	499mm

3550-UK-LS4

[Code 3107027]

Torque wrench TORCOFLEX UK Set 1/2"

- Tried-and-tested torque wrench in the 40-200N·m tightening range with test certificate
- Controlled clockwise tightening; bi-directional reversible ratchet; 1/2" output drive
- Classified as per DIN EN ISO 6789-2:2017; adjusted to a maximum permissible +/- 3% deviation and thus with a greater precision than the standard-stipulated +/- 4%
- Highly suited for car tyre changing given its 1/2" extension and impact sockets with protective sleeve in the 17, 19 and 21mm sizes
- Made in Germany


Technical Data:

Drive	1/2"
Spanner size	17 / 19 / 21 / 22mm

K 19 LS-004

Impact socket set 1/2" with protective sleeve

- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174
- Thin-walled to protect the alloy wheels
- GEDORE special steel, manganese-phosphated

TTB 0321

[Code 3411435]

Tool trolley with 6 drawers

Body:

- **Dimensions:** H 985 x W 775 x D 475 mm
- Sheet steel, corrosion-resistant and scratch-resistant powder-coated
- Working platform in ABS, with 3 compartments for small parts
- Manoeuvrable and easy to control with the driving and steering handle
- Side walls with Euro perforation 10 x 38 mm to fix hooks and tools
- Safety through heel protection for persons

Drawers:

- Central locking with cylinder lock
- Ball-bearing guide rails
- Can be individually equipped with lengthwise and crosswise dividers
- Load capacity per drawer 40 kg

GEDORE High-performance chassis:

- Total static load capacity: 900 kg / dynamic load capacity: 650 kg
- 2 roller-bearing GEDORE high-performance wheels (fixed castors Ø 200 mm)
- 2 ball-bearing mounted GEDORE smooth-running wheels (swivel castors Ø 125 mm), both with total brakes
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Technical Data:

Weight	78kg
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Options:

- Can be extended as required using GEDORE tool modules (No. 1500 ES/1500 CT or 2005 CT)
- Optionally extendable with GEDORE tool chests, rear panels and tool holders

2004 0620

[Code 1640720]

Tool trolley with 8 drawers

Body:

- **Dimensions:** H 985 x W 775 x D 475 mm
- Working platform in ABS, with 3 compartments for small parts
- Storage compartment with perforated sheet (Euro perforation 10 x 38 mm), two removable drawers for small parts and door on the handle side
- With handle for easy pushing, pulling and turning
- Front side with Euro perforation 10 x 38 mm to fix hooks and tools
- Heel and impact protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORE blue

Drawers:

- Central locking with cylinder lock Wide drawers (W 480 x D 400 mm) fully extendable, removable
- Each drawer and storage compartment with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with lengthwise and crosswise dividers (can be ordered individually)
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg (not for No. 2004 1000)
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORE blue

GEDORE high-performance chassis:

- Total load capacity 1000 kg static (750 kg dynamic)
- 2 roller-bearing GEDORE high-performance wheels (fixed castors Ø 200 mm)
- 2 ball-bearing mounted GEDORE smooth-running wheels (swivel castors Ø 125 mm), both with total brakes
- Even under maximum loads, the GEDORE axle design ensures: smooth running, maneuverability and directional stability

Technical Data:

Weight	88kg
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Options:

- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Optionally extendable with GEDORE tool chests, rear panels and tool holders
- Rear panel R 1504 XL-L can be added
- Further drawer combinations on request
- Delivery without tools and accessories



KL-4998-400 (Code 3421147)
Workshop trolley, passenger car hand tools

Universally applicable for maintenance and repair work on cars and vans.

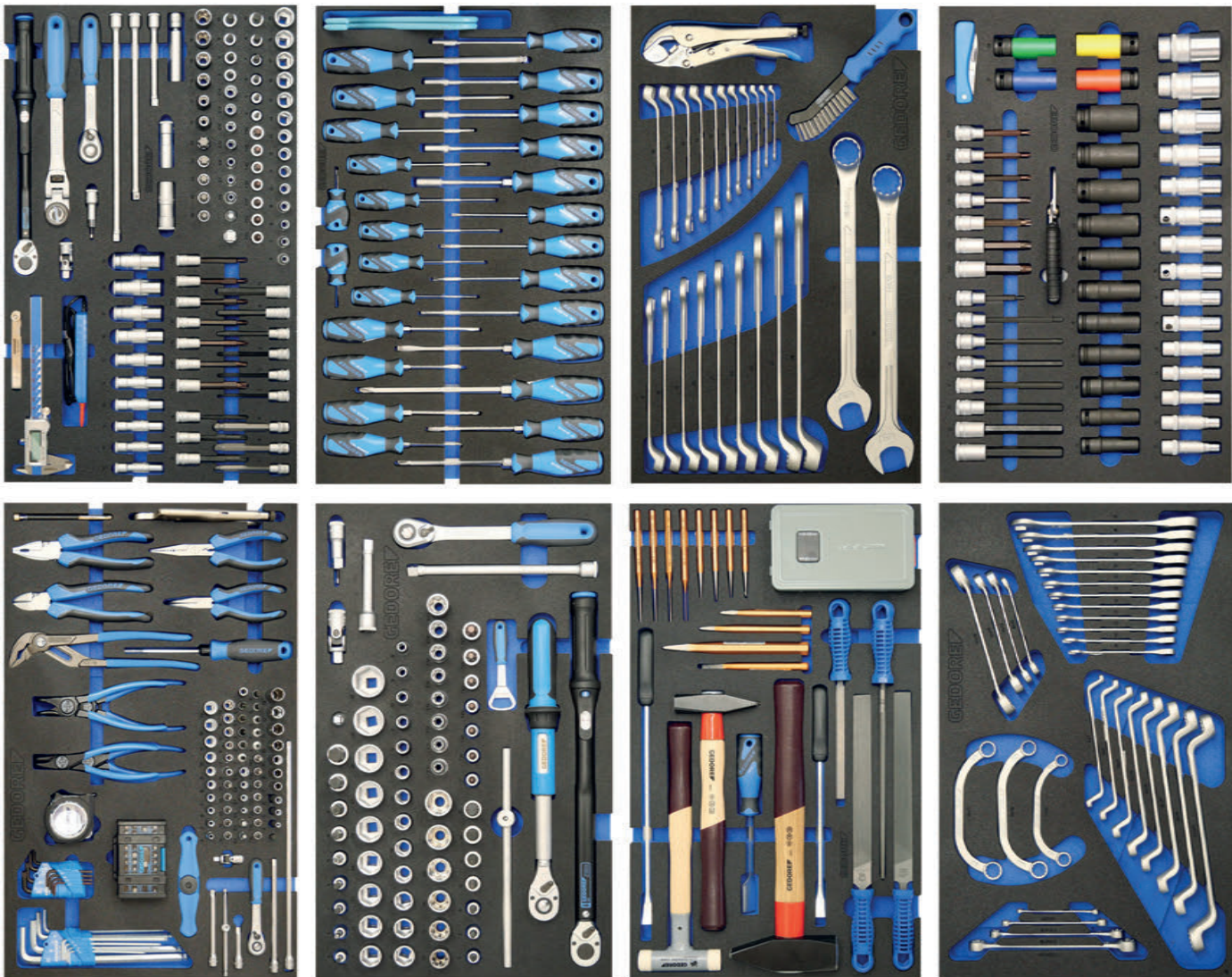
The tool trolley offers a very extensive and extremely robust range of metric hand tools especially for professionals. Every tool has its place thanks to the high-quality foam inserts.

This makes the tool trolley the perfect, mobile workplace for fast, organized and efficient maintenance and repair, especially in everyday workshop work.

With 8 fully equipped drawers and an empty large drawer at the bottom. The trolley has side walls with Euro perforations, central locking with a cylinder lock, wide drawers that can be pulled out fully and each drawer has a safety lock.

Technical Data:

Number of drawers	9
Dimensions drawers	W 640 x D 400mm
Load capacity, drawer	40kg
Drawer type	Full extension
Dimensions trolley:	H 812 x W 771 x D 478 mm
Load capacity (static)	1,000kg
Load capacity (dynamic)	750kg



TS-308

[Code 2956535]

Tool assortment in Check-Tool-Modules 308 pcs

- Metric dimension tools
- GEDORE Check-Tool-System: 2-colour foam insert to check that the set is complete
- Each tool is securely held in its own pocket, grip recesses facilitate removal of the tools
- Resistant to oil and grease

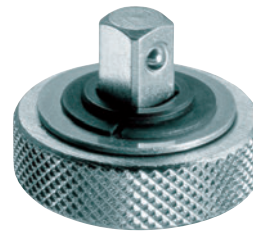


2093 HR-94

[Code 6069870]

Hand ratchet 1/4"

- Push-through square
- Return angle 18 degrees
- Facilitates working quickly in confined spaces where other ratchets or tools do not fit
- Especially suitable for servicing work in conjunction with extension 2090-12
- Chrom-Vanadium-Steel



Technical Data:

Drive:	1/4"
Return angle:	18°
Dimensions	Ø26mm x 20mm

2093 U-3

[Code 6170590]

Reversible ratchet 1/4"

- Particularly suitable for work in confined spaces
- Acc. to DIN 3122, ISO 3315
- With non-slip metal disc change, fine-toothed (72 teeth) and robust
- Return angle 5 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 6.3, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated



Technical Data:

Drive:	1/4"
Length:	129 mm
Return angle:	5°
Weight:	100 g

3093 U-20

[Code 1556800]

Reversible ratchet 3/8"

- Universal use in industry and automotive, even in confined spaces
- Acc. to DIN 3122, ISO 3315
- Small, drop shaped head for confined areas
- Fine-toothed (60 teeth), with lever change and push-button release
- Return angle 6 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated



Technical Data:

Drive:	3/8"
Length:	200mm
Return angle:	6°
Weight:	295g

1993 U-20

[Code 1436686]

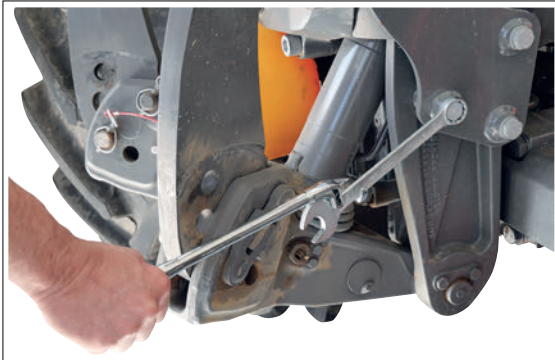
Reversible ratchet 1/2"

- Universal use in industry and automotive, even in confined spaces
- Acc. to DIN 3122, ISO 3315
- Small, drop shaped head for confined areas
- Fine-toothed (60 teeth), with lever change and push-button release
- Return angle 6 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated



Technical Data:

Drive:	1/2"
Length:	270 mm
Return angle:	6°
Weight:	536 g



KL-4007-500

(Code 3406504)

Key Extension, universal, 380mm

Fits universally for hand tools.

For easy extension of open-end spanners, combination spanners, offset combination spanners, and angled pin spanners. Required, for example, when loosening stuck screw connections in places which are difficult to access.

Technical Data:

Length:	380mm
Weight:	650g



7 UR-005

(Code 2327651)

Combination ratchet spanner set, reversible 5 pcs 8 - 19 mm

- Ring 13° offset from shaft, reversible.
- UD profile.
- High torque transfer.
- In plastic case.

Technical Data:

Spanner size:	8 / 10 / 13 / 17 / 19 mm
Dimensions:	275 x 150 x 42 mm



Technical Data:

Spanner size:	10 / 12 / 13 / 14 / 17 / 19 / 22 / 24 mm
Dimensions:	2,6 kg

1 B-08

(Code 6011870)

Combination spanner set 8 pcs 10-24 mm

- Acc. to DIN 3113, Form B, ISO 3318, ISO 7738
- Vanadium steel 31CrV3, chrome-plated
- Carefully forged and professionally machined
- Ring: 10° offset from shaft, with UD profile for gentle transmission of force
- Overloading indicated by deformation
- The offset ring ensures a better grip on deep-seated or inset nuts or bolts
- Top-grade industrial quality for the hardest of continuous use
- Glare-free appearance due to matt chrome
- Jaw: ground precisely to exact nominal size for optimum contact areas
- Slim ribbed open end for added strength guarantees maximum torques



Technical Data:

Spanner size:	8 / 10 / 11 / 12 / 13 / 14 / 16 / 17 / 18 / 19 / 22 mm
Dimensions:	1,7 kg

7 XL-0111

(Code 6104960)

Combination spanner set, extra long, 11 pcs 8-22 mm

- Acc. to DIN 3113, Form A, ISO 3318, ISO 7738
- Vanadium steel 31CrV3, chrome-plated
- Carefully forged and professionally machined
- Slim jaws and slender jaw walls make the spanner lighter overall
- Overloading indicated by deformation
- Secure grip thanks to hollow shaft - very ergonomic and handy
- Glare-free appearance due to matt chrome
- Carefully forged and professionally machined
- Jaw: ground precisely to exact nominal size for optimum contact areas
- Ring: 15° offset from shaft, with UD profile for gentle transmission of force
- Extra long shaft for deep range of use and more torque

2-10

[Code 6030740]

Double ended ring spanner set

- Rings deep offset, strong but thin walls, UD profile
- Acc. to DIN 838, ISO 3318, ISO 1085, ISO 10104
- Vanadium steel 31CrV3, chrome-plated
- Satin non-glare finish
- Carefully forged and professionally machined:
- Ring: thin-walled, 5° deep offset from shaft, with UD profile for gentle transmission of force
- High bending strength - does not fracture or splinter when overloaded, thus minimising the risk of injury
- Overloading indicated by deformation
- For extremely deep or inset bolts
- Top-grade industrial quality for the hardest of continuous use



Technical Data:

Length:	6x7 / 8x9 / 10x11 / 12x13 / 14x15 / 16x17 / 18x19 / 20x22 / 21x23 / 24x27mm
Weight:	2,2kg

600 H Serie

Engineer's hammer ROTBAND-PLUS with hickory handle

- Forged hammer head DIN 1041
- With contoured ash (No. E 600 E) or hickory (No. E 600 H) handle DIN 5111, additionally shaped with a long hardened handle protective steel sleeve
- The sleeve, tapered collar, fixing plate and wood screw bond the hammer head and wood handle into one unit
- ROTBAND-PLUS handle join, high working safety, long service life, best price-performance ratio



Available sizes:

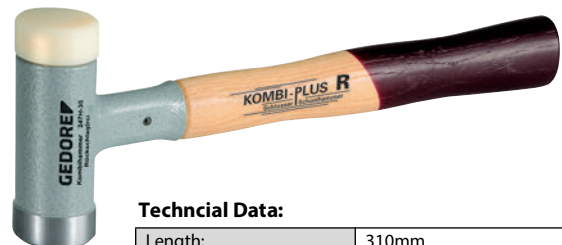
Part No.	Description	Qty	Weight
600 H-300	300mm	300g	8583070
600 H-500	320mm	500g	8583230
600 H-800	350mm	800g	8583580

247 H-35

[Code 1603396]

Combination hammer KOMBI-PLUS R

- Reduced expense due to versatile use as an engineer's and recoilless hammer
- Universal use for service and assembly work
- With all advantages of a recoilless hammer with higher impact
- Less energy necessary, easier working
- With exchangeable splinter-proof, shatter-proof and wear-resistant polyamide head (No. E 247), 75 Shore D, tested to -20 °C
- With hickory handle (No. E 247 H)



Technical Data:

Length:	310mm
Head-Ø:	35mm
Weight:	0.7kg

KL-4043-100

[Code 3292002]

Screwdriver Bit Socket Set, TX-Plus

Fits universally with cars with TX-Plus screw connections such as VW, Audi, Seat Škoda, Renault, Nissan, Opel, Fiat, Toyota, GM, Ford, and many others.

For loosening and tightening TorxPlus® screw connections with internal profile, e.g. on timing belt and timing chain housing covers as well as on engines and gearboxes in general.

Recommended Accessories:

GEDORE 2093 U-20 Reversible Socket Spanner 1/4",

GEDORE 3093 U-20 Reversible Socket Spanner 3/8"

Technical Data:

Spanner size	IP 10/ 15/ 20/ 25/ 30/ 40/ 45/ 50/ 55/ 60
Drive	1/4" + 3/8"





KL-4043-200

[Code 3292118]

Socket Set, 3/8", EP TX-Plus, 6-pc

Fits universally with cars with TX-Plus screw connections such as VW, Audi, Seat Škoda, Renault, Nissan, Opel, Fiat, Toyota, GM, Ford, and many others.

For loosening and tightening TorxPlus® screw connections with external profile, e.g. on timing belt and timing chain housing covers as well as on engines and gearboxes in general.

Recommended accessory: 3093 U-20 Reversible Ratchet, 3/8"

Technical Data:

Spanner size	EP 10/ 12/ 14/ 16/ 18/ 20
Drive	3/8"



KL-4043-300

[Code 3292207]

Socket Set, 1/2", EP TX-Plus, 6-pc

For loosening and tightening TorxPlus® screw connections with external profile, e.g. on axle parts, flywheel and generally on engine and gearbox.

For loosening and tightening TorxPlus® screw connections with external profile, e.g. on axle parts, flywheel and generally on engine and gearbox.

Recommended accessory: 1993 U-20 Reversible Ratchet, 1/2"

Technical Data:

Spanner size	EP 22/ 24/ 26/ 28/ 30/ 32
Drive	1/2"



KL-4043-400

[Code 3409112]

Socket Set, 1/4", EP TX-Plus

Fits universally with cars with TX-Plus screw connections such as VW, Audi, Seat Škoda, Renault, Nissan, Opel, Fiat, Toyota, GM, Ford, and many others.

For loosening and tightening TorxPlus® screwed connections with external profile such as on timing belt or control housing covers, control units as well as on various body and covering pieces.

Recommended accessory: 2093 U-20 Reversible Ratchet, 1/4"

Technical Data:

Spanner size	EP 6 / 7 / 8 / 10 / 11 / 12
Drive	1/4"



KL-4084-200

[Code 3241130]

Mortorq® Super (MTS) Bit Socket Set

Universally applicable to Mortorq® Super fasteners as found on Alfa Romeo, BMW, Chrysler, Fiat, GM, Honda, Jeep, Nissan, Tesla etc.

Designed for the professional loosening and tightening of screws with Mortorq® Super (MTS) Profile.

Applications include transmission, differential, hybrid and chassis components as well as car seats, seat rails, interior trims, restraint systems etc.

The bit socket set is supplied on a handy storage rail.

Recommended accessory: 3093 U-20 Reversible Ratchet, 3/8"

Technical Data:

Drive:	3/8"
Length:	50mm
Sizes (waf):	MTS0, MTS1, MTS2, MTS3, MTS4
Profile:	For Mortorq® Super (MTS) Profiles

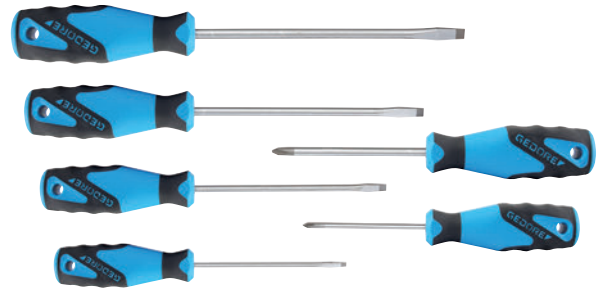
2150-2160 PH-06 (Code 1482319)

3C-Screwdriver set 6 pieces IS 4-8 PH 1-2

- Practical set composition in environmentally-friendly cardboard box
- For slotted and cross-head screws PH
- 3-component handles Power-Grip3 with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

Technical Data:

Slot:	4 / 5,5 / 6,5 / 8
Phillips PH:	1 / 2
Weight:	660g



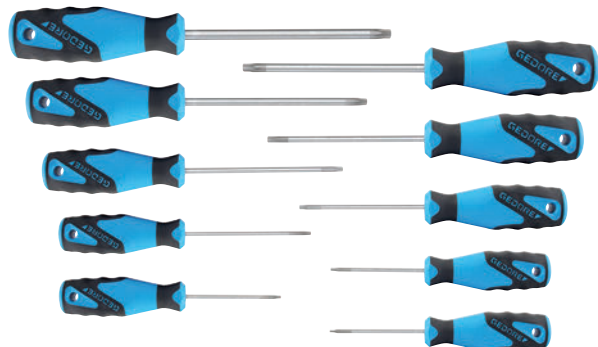
2163 TX-010 (Code 1482335)

3C-Screwdriver set 10 pcs TX T7-T40

- Practical set composition in environmentally-friendly cardboard box
- For recessed TX head screws
- 3-component handles Power-Grip3 with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

Technical Data:

Spanner size (TX-Profil):	T7 / T8 / T9 / T10 / T15 / T20 / T25 / T27 / T30 / T40
Weight:	740 g



KL-4500-100 (Code 3412938)

Pliers set automotive

Universally suitable.

Convenient Sentence Compilation.

Technical Data:

Weight	800g
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Scope of Delivery

Part No.	Description	Qty
KL-4503-301	Multi-function pliers	1
142-10 TL	Water pump pliers	1
8316-180 TL	Power side cutter	1



133 K (Code 6535190)

Gasket scraper

- For removing seal residues
- With blue plastic handle

Technical Data

Length:	240mm
Blade width:	22.5mm
Weight:	150g



**Technical Data:**

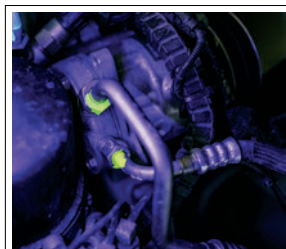
Weight:	5kg
Carrying capacity:	130g
Dimensions:	W 480 - H 115 - L 1000 mm
Wheel-Ø:	77mm

905

Creeper

(Code 1823698)

- The stable assembly/workshop couch is a good helper wherever work has to be done lying down
- With practical transport handle
- Made of skin-friendly PP (polypropylene) - resistant to oils, greases and brake fluid
- Due to the 6 ball bearing 360° rollers and the low installation height, the workshop couch can easily be rolled into narrow and inaccessible working areas
- Fatigue-free working, with head/neck cushion for maximum comfort
- Bucket moulding gives additional hold and allows maximum freedom of movement
- 2 troughs (right/left) in optimal hand reach for direct access to the working tool and small parts
- Temperature resistance -30 to +60 °C
- Comfortable lying position due to the ergonomically shaped and pleasantly structured surface of the stable plastic body
- High-grade and durable castors
- The blow-moulding used in board surface production ensures impact resistance and durability
- The ergonomically shaped board surface prevents any back ache or muscle tensioning. The storage tray to the right and left ensures that tools are always to hand
- Load capacity 130 kg



900 20

Lamp LED Li-MH USB charging connection

(Code 3108678)

- Versatile deployable LED/UV lamp of a slim design with extra functions
- In particular for the automotive and industrial fields but also for a variety of uses in leisure-time pursuits
- Continuously dimmable and switchable in blue-violet from LED to UV light (for tracking leaks.g. in air-conditioners and heat pumps).
- Swing-out hooks on both sides, strong magnet at the 45° adjustable foot and strong tip mini-magnet for bringing up lost incidental parts where space is at a premium
- Charging either via the supplied power pack or a USB interface
- 620 lumen

Technical Data:

Length:	477mm
Brightness:	620 Lumen
Lamp power:	16 W
Battery:	3.350 mAh
Weight:	295g

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