

**AUTOMOTIVE TOOLS** / QUALITY MADE BY GEDORE

**VW/AUDI**

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 <sup>2</sup> diameter
JPT:	0.2 - 2.5mm <sup>2</sup> diameter
MQS:	0.08 - 0.75mm <sup>2</sup> diameter
DTM/DT twisted:	0.5 - 2.1mm <sup>2</sup> diameter
SuperSeal-1.5:	0.35 - 2.5mm <sup>2</sup> diameter
Pinch connections:	0.35 - 6mm <sup>2</sup> diameter / AWG 10 - 22
Stripping:	0.03 to 16 mm <sup>2</sup> 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	Connector 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

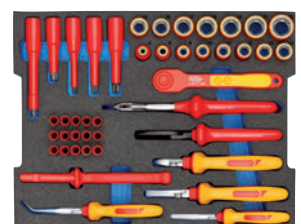
- The perfect range of tools for repair and maintenance work on hybrid and electric vehicles
- For vehicles of all the manufacturers
- All tools insulated on the basis of EN 60900/EC 60900
- GEDORE L-BOXX® 136 compatible with the Sortimo® vehicle interior fittings in your service mobile

#### 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.

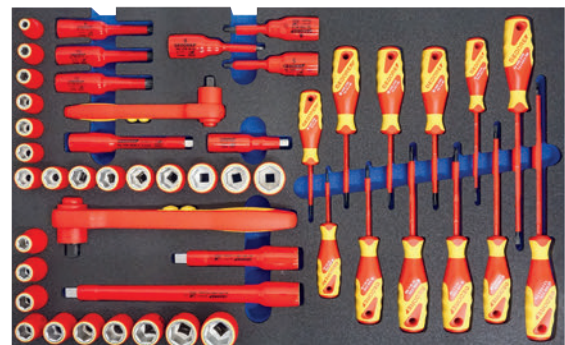
Inklusive: digitalem Spannungsprüfer, 3/8" VDE-Drehmomentschlüssel, Sicherungsschloss, Steckschlüssel und Knarre in 3/8" und 1/2", uvm.

### 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	3/8" + 1/2"
Height	985mm
Width	775mm
Depth	475mm
Number of drawers	6
Load capacity (mobile)	650kg
Load capacity (static)	900kg
Load capacity (per drawer)	40kg



## KL-0190-13

[Code 3408175]

### Compact Unlocking Tool

**Universally suitable for a wide range of cable connector systems.**

**Especially VW-Audi, Seat, Škoda, Porsche, Opel, Fiat, Renault, and many more.**

For professional and non-destructive unlocking of cable connectors, for example, on mass air flow sensors, ignition coils, throttle valves, headlights, and generally on all sensors and actuators on the vehicle.

The **unique and particularly compact design** of the unlocking tool allows cable connectors to be unlocked from both sides, pulling from behind as well as pushing from the front. The special profile engages completely and non-destructively into the release tab on the cable connector. **Even if the release tab is broken off**, the cable connector can be **unlocked without any problems!** For places which are difficult to access, the unlocking tool can be **additionally** extended by 260mm.

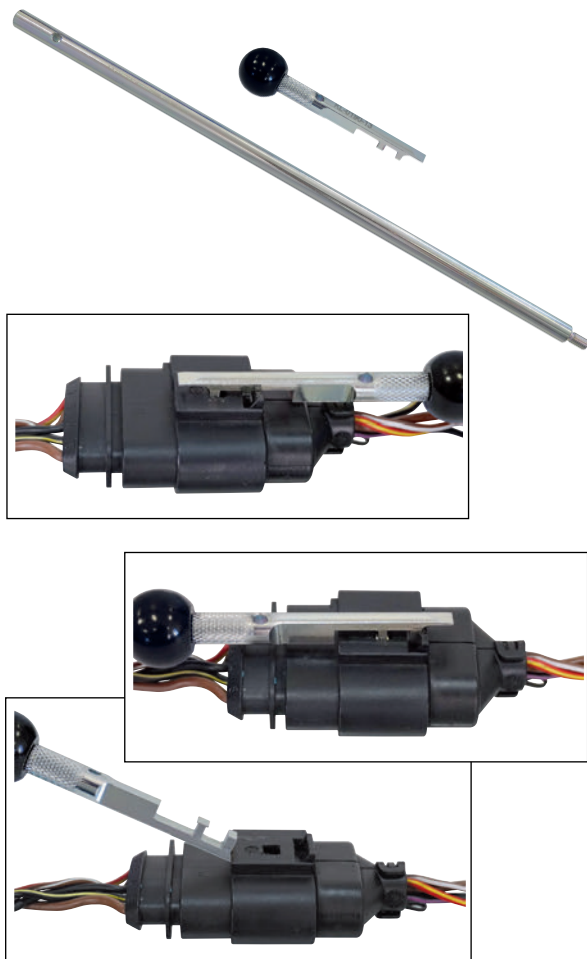
- Non-destructive unlocking of cable plugs
- Unlocking from both sides from the front as well as from behind
- Trouble-free unlocking in case of a defective unlocking tab

#### Technical Data:

Total length without extension:	85mm
Total length with extension:	345 mm

#### Scope of Delivery:

Part No.	Description	Qty
KL-0190-1301	Blade, short	1
KL-0190-1302	Extension	1
KL-0255-0018	Ball knob	1



## KL-0275-10

[Code 3410234]

### ACC Radar Sensor Adjustment Tool Kit

**Suitable for VW-Audi, Seat, and Škoda.**

**Alternative tool:** VAS 6190/2, VAG 3208

For professional adjustment of the radar sensor and damage-free removal of the manufacturer's emblem. Required when calibrating the automatic distance control (ACC = Adaptive Cruise Control), for example after accident damage repair, or after replacing the radar sensor.

#### Technical Data:

Spanner size (screwdriver):	3.5mm
Type (screwdriver):	6-edge
Length (screwdriver):	344mm
Diameter (suction cup):	50mm

#### Scope of Delivery:

Part No.	Description	Qty
KL-0275-101	ACC radar sensor adjustment key	1
KL-0275-102	Universal suction gripper	1





## 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

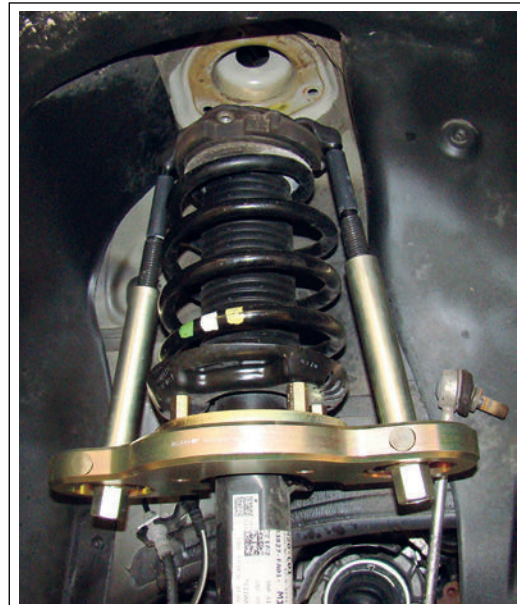
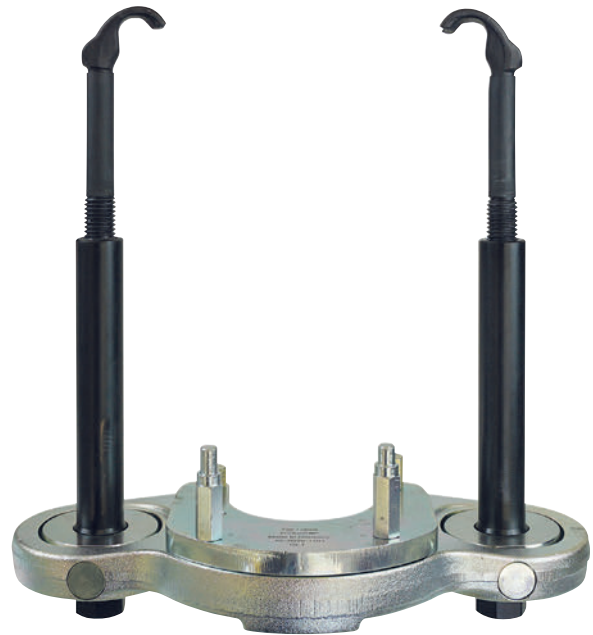
#### Technical Data:

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-0029-110 A (Code 3127850) (Pat.)

### Upgrade Kit, Size 1, Size 2, Size 3, VW-Audi

**Designed for the VW-Audi, SEAT, ŠKODA vehicles built on the MQB, PQ25, PQ35 and NSF platforms such as: VW Caddy III (2K), EOS (1F7), Golf V (1K, 6R), Golf VI (5K), Golf VII (5G), Golf Plus (5M), Jetta III (1K2), Polo (6R), Passat (3C, 363, 365), Scirocco (137), Touran (1T), Tiguan (5N), up! (12); Audi A1 (8X), A3 (8P, 8V), TT (8J), Q3 (8U); Seat Altea (5P1), Altea XL (5P1), Ibiza V (6J5), Ibiza V ST (6J8), Leon II (1P1), Toledo III (5P2), Mii (KF1); Škoda Octavia (1Z3), Octavia (1Z5), Superb (3T4), Rapid, Citigo etc.**

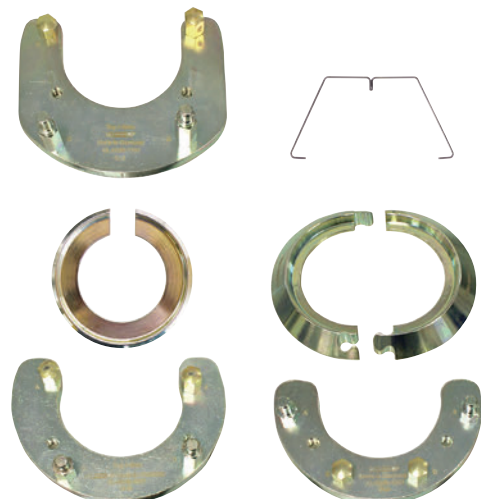
The **KL-0029-110 A** kit upgrades the **KL-0029-100 / -100 A** base coil spring pre-compressor by making it also suitable for use on the above-mentioned vehicles.

#### Required Accessory:

**KL-0029-100 / -100 A Coil Spring Pre-Compressor**

#### Scope of Delivery:

Part No.	Description	Qty
KL-0029-111	Support Plate with Bolts, Size 1	1
KL-0029-120 A	Upgrade Kit, Size 2, VW-Audi	1
KL-0029-130 A	Upgrade Kit, Size 3, VW-Audi	1





## KL-0029-122

[Code 3256162] (Pat.)

### Upgrade Kit for KL-0029-120 A, VW-Audi

Designed for the VW-Audi, SEAT, ŠKODA vehicles built on the PQ35 platform and equipped with aftermarket strut assemblies from KYB (KAYABA) (e.g. KYB 334834).

For example: VW Golf V (1K), Golf VI (5K, AJ), Golf Plus (5M), Jetta V (1K), Jetta VI (5K, AJ), Beetle (5C), Caddy III (2K, 2C); Audi A3 (8P); Seat Altea (5P), Altea XL (5P), Leon (1P), Toledo III (5P); Skoda Octavia II (1Z), Yeti (5L).

With the addition - **KL-0029-122** the spring compressor base unit - **KL-0029-100 A** is also suitable for the above-mentioned vehicles with aftermarket suspension struts from KYB (KAYABA).

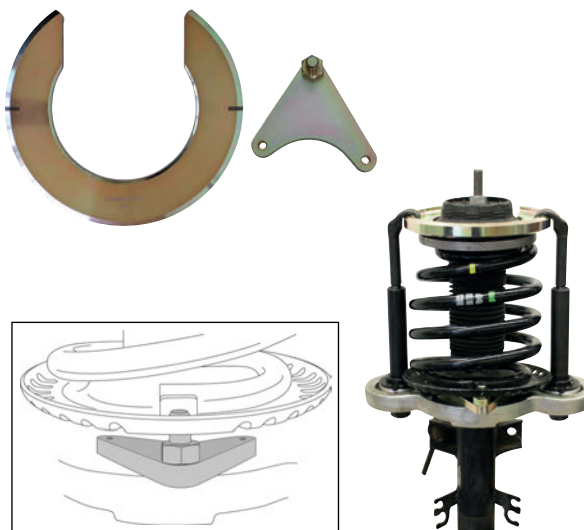
#### Necessary Accessories:

**KL-0029-100 / -100 A** Coil Spring Pre-Compressor

**KL-0029-120 A** Upgrade Kit, Size 2

#### Scope of Delivery:

Part No.	Description	Qty
KL-0029-1221	Shim for Support Plate, Size 2	1
KL-0029-1222	Bolt with Pin, 20mm	1
KL-1615-1128	Cheese Head Screw, M8x16mm	2



## KL-0029-170

[Code 2952815] (Pat.)

### Upgrade Kit, Size 7, VW T5

Suitable for use on VW front axle suspension struts; as found in VW T5 (7J, 7H, 7E, 7F).

The **KL-0029-170** 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 (Basic Unit)

#### Scope of Delivery:

Part No.	Description	Qty
KL-0029-171	Support Plate with Bolt, Size 7	1
KL-0029-1702	Support Ring, Size 7	1

# KIS

## KLANN Information System

Auch mit Ihrem Handy haben Sie bequem Zugriff auf unser „KIS“.  
Somit können Sie zu jeder Zeit und wo immer Sie sich befinden  
OE-Werkzeugnummern auf unsere Artikel Nummern umschlüsseln.



KIS goes mobile ...





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

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

**Applicable to strut clamping bores.**

**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.

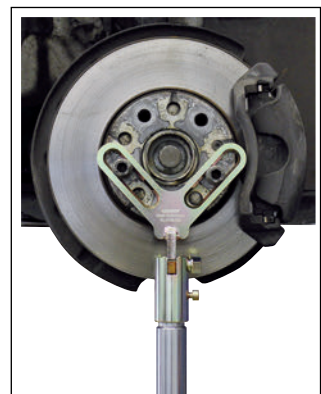
The engine transverse strut, in combination with a gearbox lifting jack, enables the wheel suspension to be properly supported and fixed; for example, when removing and installing the suspension strut or replacing the axle suspension arms. The support is provided by the wheel hub and thus ensures a reliable 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.

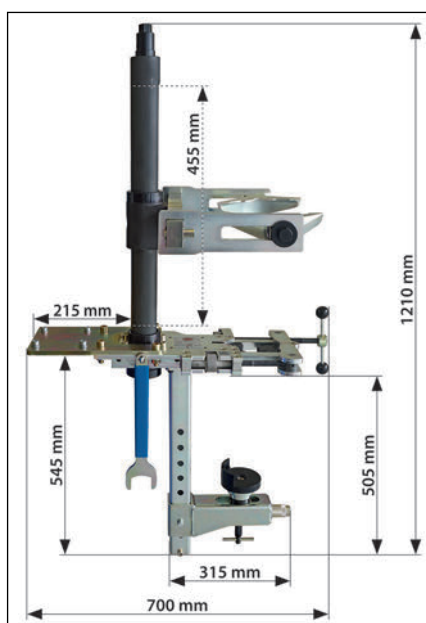
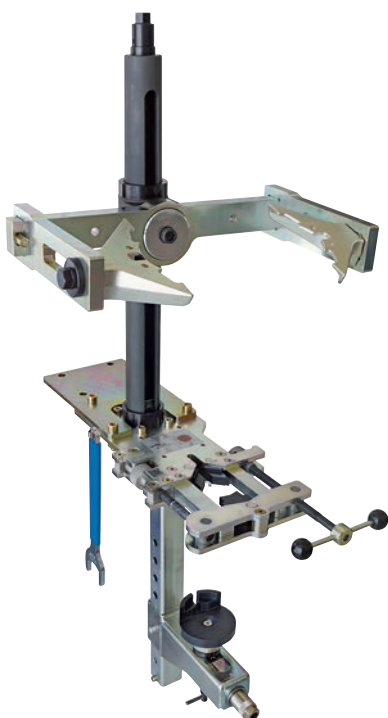
#### Recommended accessory:

**KL-0040-2571** Adaptor Sleeve, Ø 25mm

#### 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

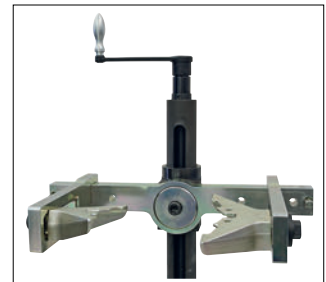
(Code 3402444)

### 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.**

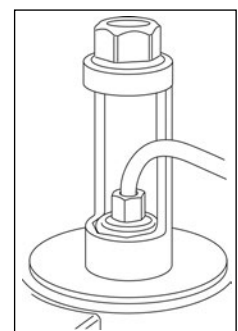
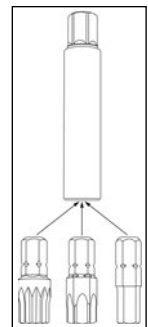
For quick loosening and tightening of the piston rod nut on MacPherson struts. Required, for example, when replacing the shock absorber or the suspension spring. The special holders and the large number of interchangeable screwdriver bits and sockets also allow the shock absorber piston rod to be properly 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.**

**Essential tool for use on the rear axle of Audi vehicles.**

**For example: Audi A4 B8 (8K), A5 (8T), A6 (C7 / 4G), A7 (C7 / 4G), Q5 (8R).**

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-0033-300 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:

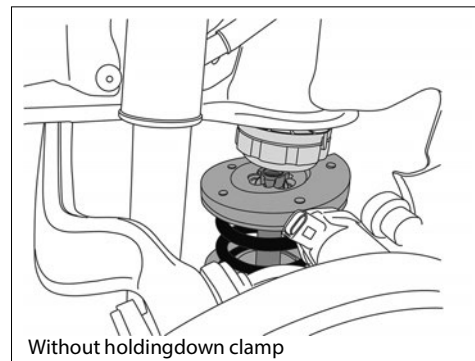
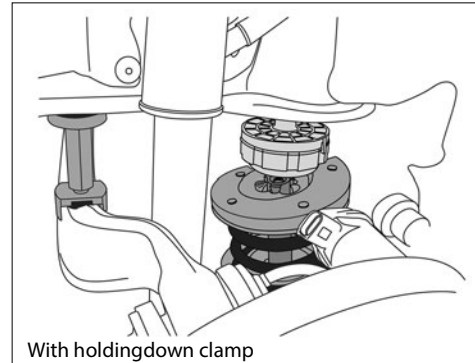
KL-4990-9224 Plastic Storage Case

### 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



## 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"


**Technical Data:**

Drive:	1/2"
For Ø:	30 - 43mm

## KL-0167-30 A

[Code 3427900] [DE-GM]

### Eccentric 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.

## 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-0250-43 KB

[Code 3418820] [DE-GM]

### Boring Tool Kit for Clamping Screws VW-AUDI

Fits VW-Audi, Seat, and Škoda vehicles with multi-link axle. Installed, for example, on the VW Passat (3B), Phaeton (3D); Audi A4 (8D, 8E, 8H, 8K); A5 (8T, 8F); A6 (4B, 4F, 4G, 4K); Q5 (8R), A7 (4G, 4K), A8 (4D, 4E, 4H, 4N); Seat Exeo (3R2, 3R5) and Škoda Superb (3U).

The boring tool set enables the quick and professional removal by boring of extremely tight clamping screws (**with spannsiz 16mm**) on multi-link axles. Required, for example, when changing the upper or lower suspension arms and the tie bar end. This avoids a costly replacement of the entire steering knuckle with the wheel bearing unit. To avoid damage to the mudguard on vehicles with a bottom-mounted steering gear, the steering knuckle can be pre-tensioned to full lock with the help of the compressing device included in the scope of delivery.

**Scope of Delivery:**

Part No.	Description	Qty
KL-0250-4311 B	Basic tool	1
KL-0250-4313 A	Boring sleeve, 7mm diameter	1
KL-0250-4314 A	Boring sleeve 7mm diameter with recess with recess	1
KL-0250-4321 A	Extension with grub screws	1
KL-0250-4322	Twist drill 9.5 dia.x175x250mm with clamping surface	1
KL-0250-4323	Twist drill 7 dia.x155x225mm with clamping surface	1
KL-0250-4324	Countersink tool 12.4mm diameter	1
KL-0250-433	Clamping device	1
KL-0250-4341	Tie rod end supplement	1
42 3	Hexagon L key, 3mm	1
KL-0250-4390-2 B	Foam insert	1
KL-4990-9374	Plastic case	1

**Technical Data:**

Width:	391mm
Depth:	304mm
Height:	134mm
Weight:	4.0kg



## 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 3421171]

### 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-0214-221 [Code 2737493]

### Double Silent Block Tool VW-Audi, without Drive

**Suitable for double silent blocks on carriers made of aluminium. For example, installed on VW Golf V (1K), Golf VI (5K, AJ), Caddy III (2K, 2C), EOS (1F), Golf Plus V (5M, 521), Jetta III (1K), Touran (1T), Passat (3C, 362, 365), Scirocco (137), Tiguan (5N); Audi A3 (8P), TT (8J); Seat Altea (5P), Leon (1P), Toledo III (5P); Škoda Octavia (1Z), etc.**

The double silent block tool enables quick and professional forcing out and in of double silent blocks (torque arm silent blocks on the unit carrier) directly on the vehicle. It is not necessary to loosen or remove the unit carrier, or to carry out a subsequent wheel alignment.

#### Required drive parts:

##### Hydraulic drive:

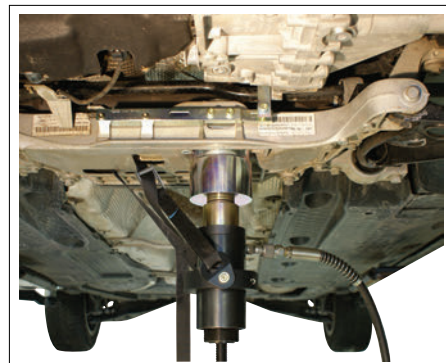
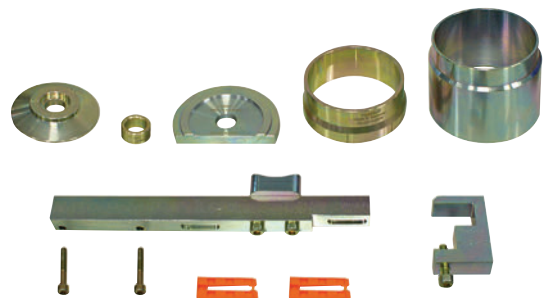
**KL-0039-1912-1** - Pulling spindle M12, **KL-0039-1003** - Retaining adapter, **KL-0040-2500** - Hydraulic cylinder 17t, **KL-0215-35 M25** - Hydr. Hand pump, 17t,

##### Mechanical drive:

**KL-0039-2012-1** - Pulling spindle M12, **KL-0039-1011** - Retaining adapter, **KL-0039-1912-2** - Collar nut, M12

#### Scope of Delivery:

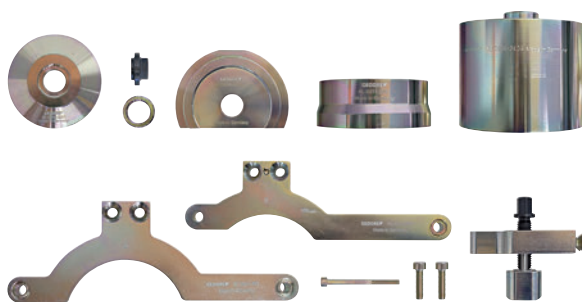
Part No.	Description	Qty
KL-0214-2201	Pressure piece, Ø 89.5mm	1
KL-0214-2202	Spacer ring, Ø 30mm	1
KL-0214-2203	Setting plate	1
KL-0214-2204	Conical sleeve, Ø 90mm	1
KL-0214-2205	Support sleeve, Ø 92.7mm	1
KL-0214-2207	Clamping device	1
KL-0214-2206	Clamp with screw	1
KL-0039-1912-3	Hex collar nut M12, flat	1



#### Advantages:

- Substantial time and cost savings.
- Eliminates the need for releasing and removing the assembly carrier from vehicle.
- Eliminates the need for wheel alignment.
- All components are available individually as spare parts.





## KL-0214-240

[Code 3267679]

### Double Silent Block Tool VW

**Suitable for double silent blocks on carriers made of steel bent components.**

**Installed e.g. in VW Golf 7 (AU), Golf Sportsvan (AM, AN), Caddy (2K), Tiguan (AD), Touran (5T); Seat Ateca (KH), Leon (5F); Skoda Karoq (NU), Octavia (5E), Superb (3T).**

The double silent block tool enables the quick and professional removal and installation of the double silent blocks (silent blocks of the torque arm) directly on the vehicle. It is not necessary to loosen or remove the unit carrier or to carry out a subsequent wheel alignment.\*

**\*Note:** Due to the confined space conditions, the carrier must be lowered and corresponding parts loosened on vehicles with all-wheel drive!

#### Required drive parts:

##### Hydraulic drive:

**KL-0039-1912-1** - tension spindle M12, **KL-0039-1003** - mounting adapter, **KL-0040-2500** - hydraulic cylinder 17t, **KL-0215-35 M25** -hydraulic pump,

##### Mechanic drive:

**KL-0039-2012-1** - tension spindle M12, **KL-0039-1011** - mounting adapter, **KL-0039-1912-2** - Hex collar nut M12

#### Technical Data:

Max. load:	7t
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#### Scope of Delivery:

Part No.	Description	Qty
KL-0039-1912-3	Hex collar nut M12 flat	1
KL-0041-7306	Cheese-head screw M6x70mm	1
KL-0214-2201	Thrust piece, Ø 89.5mm	1
KL-0214-2202	Spacer ring, Ø 30mm	1
KL-0214-2203 A	Position plate	1
KL-0214-2204	Conical sleeve, Ø 90mm	1
KL-0214-2401	Pretensioning device	1
KL-0214-2402	Pretensioning plate A	1
KL-0214-2403	Pretensioning plate B	1
KL-0214-2404	Support sleeve, Ø 98mm	1
KL-1283-1016	Cheese-head screw M8x30mm	2



## KL-0220-10 K

[Code 2968355]

### Fixing Tool Kit, VW Assembly Carrier

**Suitable for use on assembly carriers/subframes found on VW-Audi, Seat and Škoda. For example, fitted to Audi A3 (8P), A4 (8E, 8H), TT (8J); VW EOS (1F), Fox (5Z), Golf Plus (1K), Golf V (1K), Jetta (1K), Passat (3C), Passat CC (357), Polo (9N), Scirocco (137), T5 (7J, 7H, 7E, 7F), Touareg (7C), Touran (1T, 9R); Seat Alhambra (71), Altea (5P), AlteaXL (5P), Ibiza (6J), Ibiza / Córdoba (6L), Leon (1P), León (5F), Toledo (5P), Toledo (KG3).**

**Alternative tool:** T10096, T10227

The tools allow for the professional installation/adjustment of assembly carriers (with fastening screws having an M12x1.5 or M14x1.5 thread). Necessary after maintenance work/repairs where the assembly carrier has been loosened/released, for example, after the replacement of silentblochs, wishbone etc.

#### Technical Data:

Max. tightening torque:	20Nm
Fixing bolt thread (KL-0220-101):	M12x1.5
Fixing bolt thread (KL-0220-102):	M14x1.5
Length:	50mm
Drive:	6mm (hex socket)

#### Scope of Delivery:

Part No.	Description	Qty
KL-0220-101	Fixing Bolt, M12x1.5	4
KL-0220-102	Fixing Bolt, M14x1.5	4
KL-0220-1090	Plastic Storage Case	1

## KL-0214-181

(Code 2417723)

### Silent Block tool VW-Audi Front Axle

**Fits VW Golf V, VI, VII, VIII, Passat (B6), EOS (1F), Scirocco III (13\_), Tiguan (5N\_), Touran (1T1/2, 1T3, 5T1), T-Roc (A11); Audi A3 (8V, 8Y); Seat Leon (5F); Škoda Octavia (5E3/5/6, NL3, NR3); etc.**

For quick and professional pressing in and out of the front silent blocks on the front axle wishbone.

**Required drive parts (hydraulic / see chapter drives):**

**KL-0215-35 M25** - Hydraulic pump 17t, **KL-0040-2500** - Hydraulic cylinder 17t,  
**KL-0039-1912-1** - Pulling spindle M12, **KL-0039-2112-2** - Quick-release nut M12,  
**KL-0039-1003** - Mounting adapter for hydraulic cylinder

**Required drive parts (mechanical / see chapter drives):**

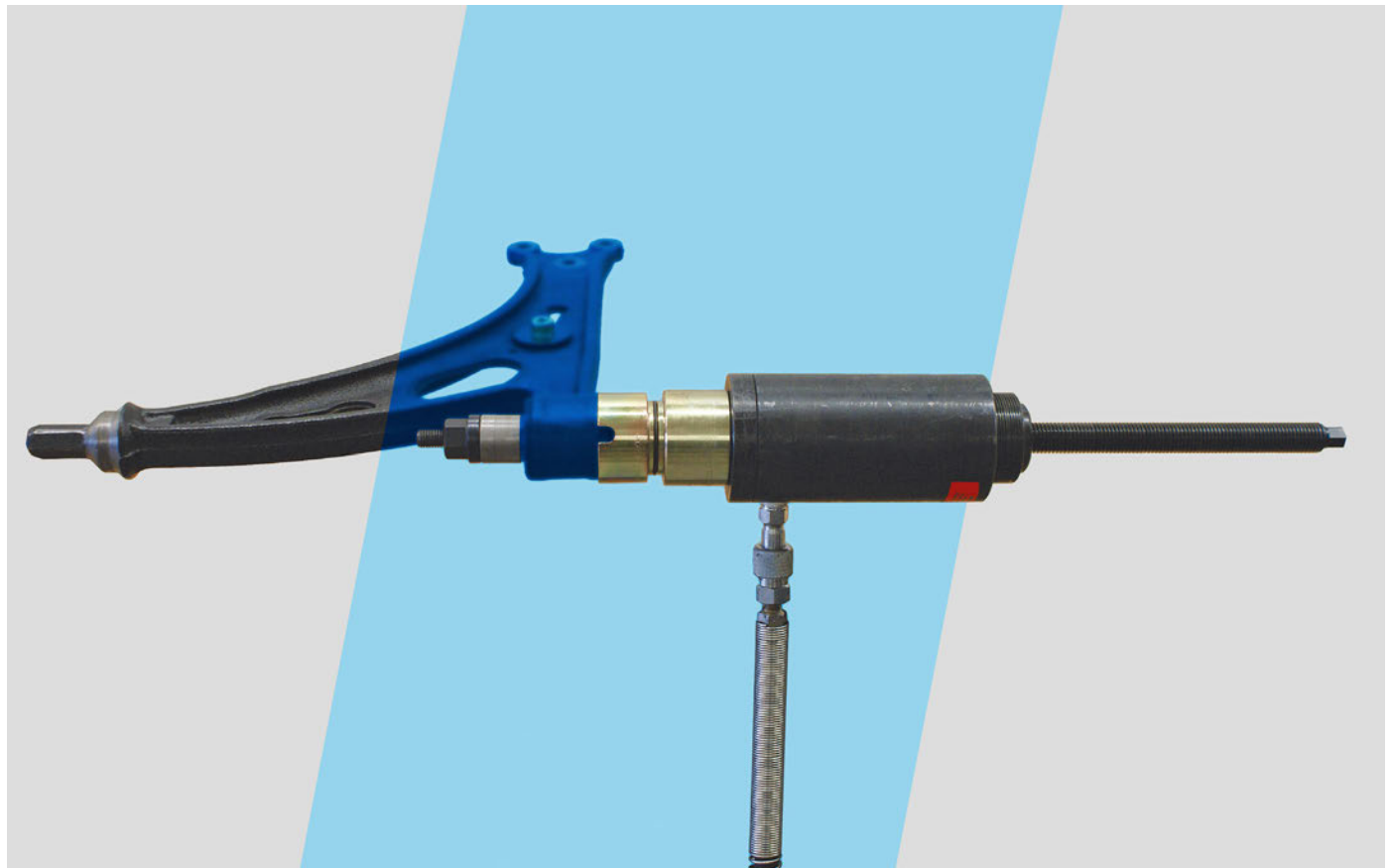
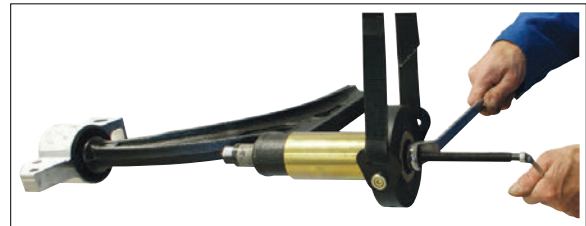
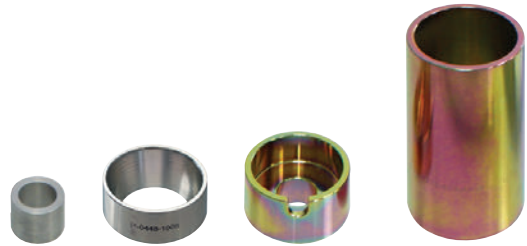
**KL-0039-2012-1** - Pulling spindle M12, **KL-0039-1912-2** - Collar nut M12,  
**KL-0039-2112-2** - Quick-release nut M12,  
**KL-0039-1011** - Mounting adapter for mechanical spindle

**Technical Data:**

Maximum load capacity:	17t
Weight:	1.2kg

**Lieferumfang:**

Part No.	Description	Qty
KL-0214-1801	Support Sleeve, short, Ø 56mm	1
KL-0214-1802	Conical Sleeve	1
KL-0039-1330	Thrust piece, Ø 30mm	1
KL-0039-1758	Support sleeve long, Ø 58mm	1





## 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.

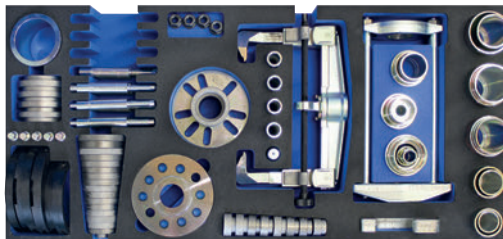
#### Included in the modulo:

- 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.

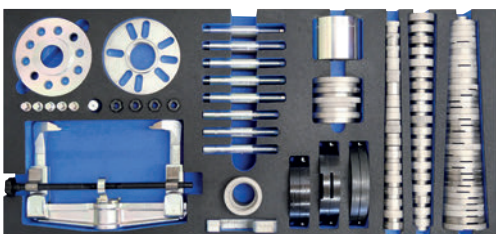
#### Contents / Scope of application same as KL-4999-250 plus additionally:

- 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.

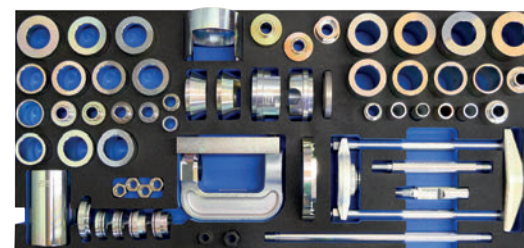
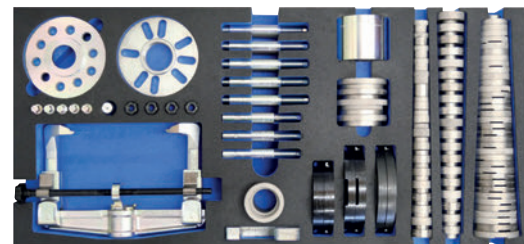
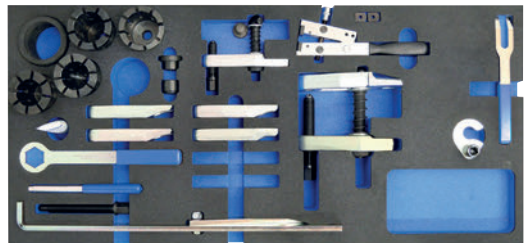
**Technical Data Assembly Trolley:**

- 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-0112-9

[Code 3417492]

### Set of Sockets for Brakes, 5 parts

Suitable for brake calliper retaining bolts on common Audi, Porsche and Mercedes models.

**KL-0112-901 = Audi, Porsche, Mercedes**

**KL-0112-902 = Audi S5**

**KL-0112-911 = Audi Q7**

**KL-0112-912 = Audi S8, Q7; Porsche Macan, Cayenne, Cayman**

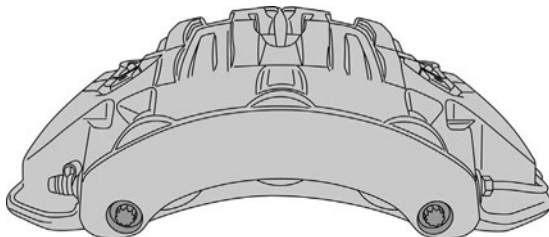
**KL-0112-913 = Audi S6, A8; Porsche Cayenne**

#### Technical Data

Height:	50mm
Drive:	1/2"
Width across flats (KL-0112-901):	11mm
Number of teeth / profile (KL-0112-901):	10
Width across flats (KL-0112-902):	22mm
Number of teeth / profile (KL-0112-902):	7
Width across flats (KL-0112-911):	14mm
Number of teeth / profile (KL-0112-911):	7
Width across flats (KL-0112-912):	15mm
Number of teeth / profile (KL-0112-912):	10
Width across flats (KL-0112-913):	20mm
Number of teeth / profile (KL-0112-913):	10



1/2"



## KL-0112-91

[Code 3245616]

### Socket Set, Brakes

Suitable for retaining bolts on brake callipers as found in popular car models from Audi, Mercedes and Porsche.

**KL-0112-911 = Audi Q7**

**KL-0112-912 = Audi S8, Q7; Porsche Macan, Cayenne, Cayman**

**KL-0112-913 = Audi S6, A8; Porsche Cayenne**

**Recommended accessory: 1993 U-20 Reversible Ratchet**

#### Technical Data

Height:	50 mm
Drive:	1/2"
Waf size (KL-0112-911):	14 mm
Profile/number of teeth (KL-0112-911):	7
Waf size (KL-0112-912):	15 mm
Profile/number of teeth (KL-0112-912):	10
Waf size (KL-0112-913):	20 mm
Profile/number of teeth (KL-0112-913):	10

## 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)

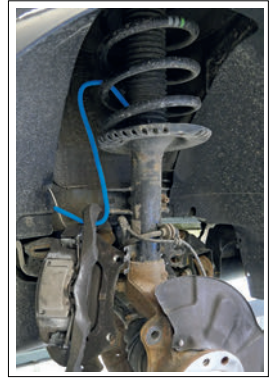
### Universal Brake Calliper Hook Pair (shapeable/flexible)

**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.

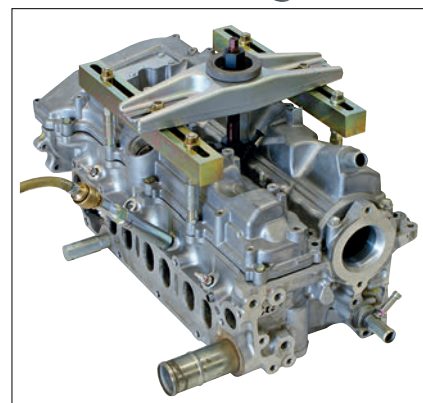
#### Recommended accessories:

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**




**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 injector puller 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 injector puller 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 injector puller 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

### 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.

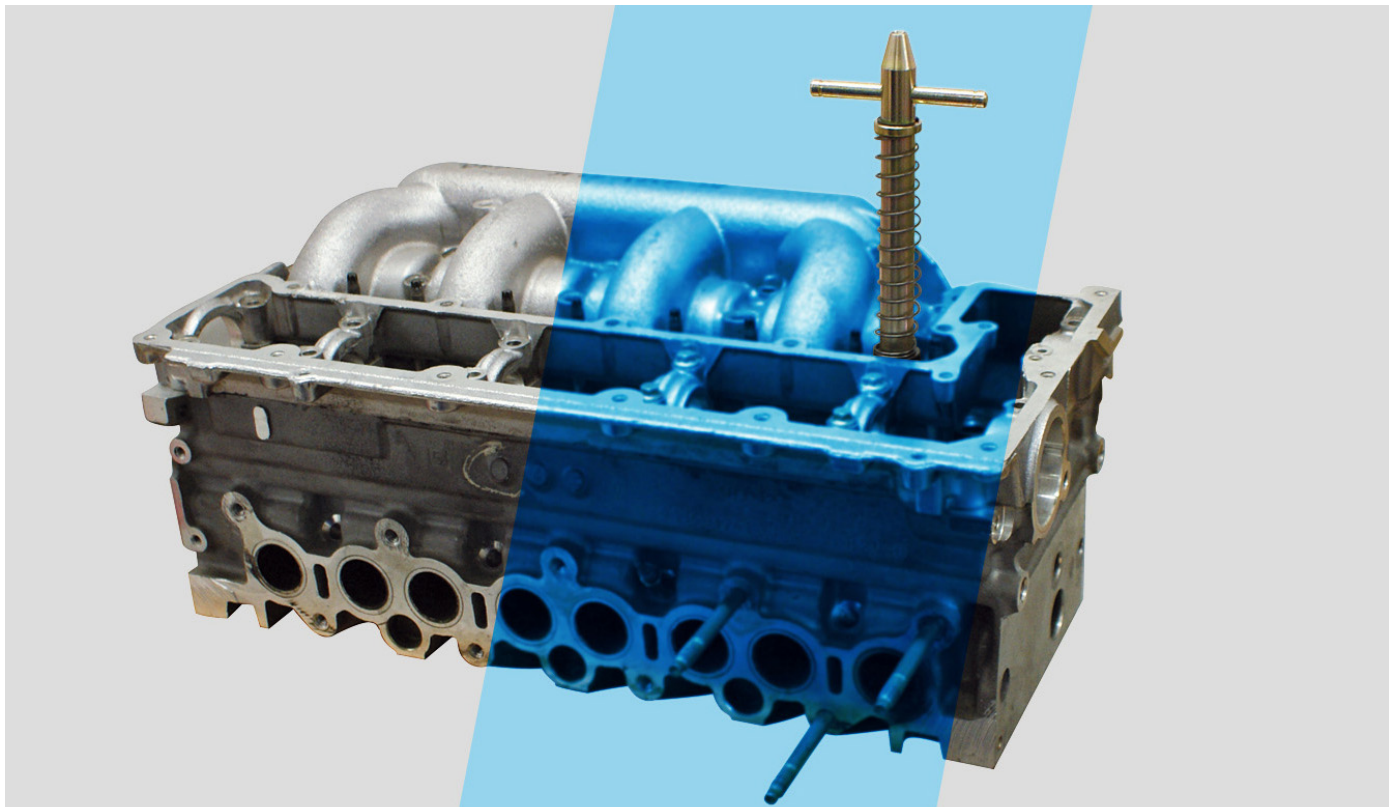
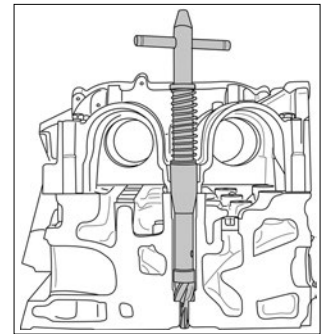
Before installing/re-installing an injector nozzle, it is absolutely necessary to clean the seal seat in order to avoid leakage between the cylinder head and injector nozzle.

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



**Technical Data:**

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

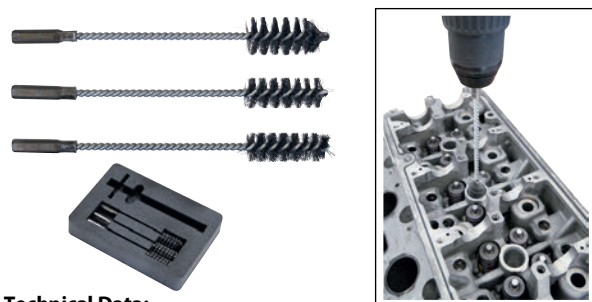
**Recommended accessories:**

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 diameter

**KL-0186-540 E**

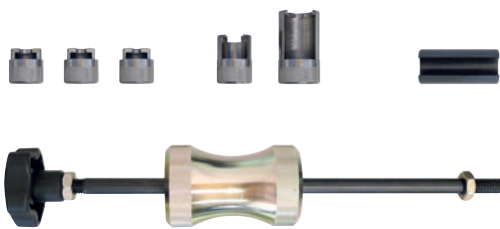
(Code 3415252)

**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



## 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.

#### 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



#### 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

## 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-0127-81 [Code 1903888]

### Ignition Coil Puller

**Suitable for use on 1.4 and 1.6 16V petrol injection engines.**

**e.g. in VW Bora, Golf, New Beetle etc.**

**(Engine codes: AZD, BCA, BCB)**

**Alternative tool:** T10094, T10094A

This tool is used to remove and install ignition coils with final output stage on VW/ Audi petrol injection engines.

#### Technical Data:

Length:	137mm
Weight:	145g
Opening width:	26.3mm



**Technical Data:**

Length:	95mm
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## KL-0127-86

[Code 3043193]

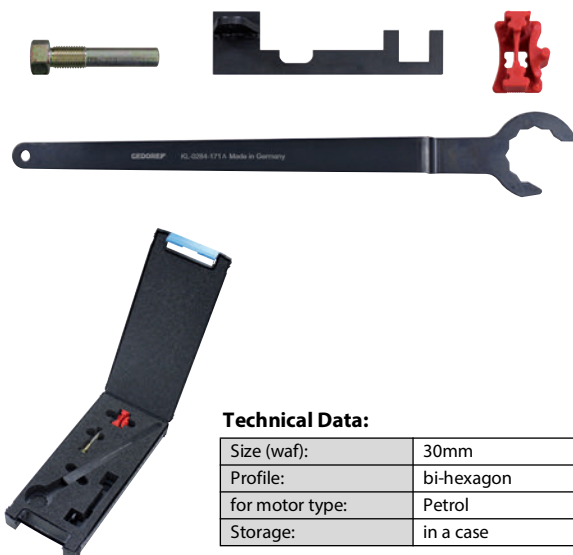
### Ignition Coil Puller

Suitable for use on VW-Audi, Seat and Škoda 1.2, 1.4, 1.8, as well as 2.0 FSI / TSI / TFSI petrol engines as fitted to: VW Beetle (5C), Eos (1F), Golf SV/Sportsvan (AM), Golf VI (5K, AJ), Golf VII (5G, BE, BA), Jetta (162), Passat VI (36), Passat CC (357), Polo V (6R, 6C), Sharan (7N), Tiguan (5N); Audi A1 (8X), A3 (8P), Q3 (8U), TT (8J); Seat Alhambra (71), Leon (5F); Škoda Kodiaq (NS7 / NV7), Octavia II (1Z), Octavia III (5E), Rapid (NH), Superb II (3T) etc.

(Engine codes: CHPA, CHZD, CJSB, CJXB, CJXC, CJZA, CJZB, CMBA, CPTA, CPVA, CPVB, CPWA, CUKA, CUKB, CWVA, CXCA, CXSA, CXSB, CYVA, CYVB, CZCA, CZDA, CZEA, CCZA, CHPA, CJSB, CJZA, CJZB, CMBA, CPTA, CPVA, CPVB, CPWA, CXSA, CYVA, CYVB, CZDA, CZEA; M271)

**Alternative tool:** T10530

This tool is designed to remove and install ignition coils with final output stage. The expansion cone of the puller ensures that the tool is safely and securely held in the ignition coil without any risk of damage.

**Technical Data:**

Size (waf):	30mm
Profile:	bi-hexagon
for motor type:	Petrol
Storage:	in a case

## KL-0280-766 KA

[Code 3086240]

### Locking Tool Set, VW 1.0

Suitable for the VW, Seat and Skoda 1.0 (3-cylinder) petrol engines as fitted to VW Polo, up!; Seat Mii, and Skoda Citigo. (Engine codes: CHYA, CHYB, CPGA)

**Alternative tool:** T10499, T10499A, T10477, T10476, T10340

For the locking/positioning of camshafts, crankshaft and timing belt tensioner. An indispensable tool set when replacing a timing belt or performing an engine repair.

**Recommended accessories:**

Reaction Wrench Kit (470mm long, adjustable) - **KL-0282-35 C**

**Scope of Delivery:**

Part No.	Description	Qty
KL-0280-7661 A	Locking Tool for Camshaft	1
KL-0280-7662 A	Locking Tool for Camshaft Sprockets	1
KL-0280-6022 A	Locking Screw for Crankshaft	1
KL-0284-171 A	Adjustment Tool for Timing Belt Tensioner, Size (waf) 30mm	1
KL-0280-7669	Plastic Storage Case	1

## KL-0284-172

[Code 3293432]

### Adapter key, 13mm (waf), 3/8"

Suitable for timing belt tensioners on VW, Audi, Seat, and Škoda, with 1.0, 1.2, and 1.4 FSI/TSI/TFSI petrol engines. Installed, for example, on Audi A1 (8X), A3 (8V); VW Golf VII (5G, BE), Golf SV/Sportsvan (AM), Polo V (6R, 6C), up! (AA, 120); Seat Leon (5F), Mii (KF, KE), Ibiza (6J); Škoda Citigo (NF), Octavia III (5E), and many others. Engine code: CHPA, CHYA, CHYB, CJZA, CJZB, CJZC, CJZD, CMBA, CPGA, CPTA, CPVA, CPVB, CPWA, CXSA, CYVA, CYVB, CZCA, CZDA, CZEA

**Alternative tools:** VW T10500

For easy loosening and controlled tightening of the hard-to-reach fastening screw of the toothed-belt tensioning pulley. The 3/8" square on the adapter spanner and the torque conversion formula applied due to the extended leverage allow controlled tightening with a conventional 3/8" torque spanner. Required, for example, when changing the timing belt or replacing the cylinder head gasket, etc.

**Recommended accessories:**

Torque spanner 3/8" - **GEDORE 4549-05**

**Technical Data:**

Size (waf):	13mm
Profile:	bi-hexagon
Drive:	3/8"
Length:	215mm

## KL-0282-53 KA (Code 3257002)

### Crankshaft Sprocket Puller Kit (Timing Chain), VW 1.2 + 1.4 TSI

Applicable to VW-Audi, Seat and Skoda vehicles equipped with a 1.2 and 1.4 TSI petrol engine. For example: VW Golf VI (5K, AJ, 517), Golf PLUS (5M, 521), Polo V (6R, 6C) Jetta VI (162, 163, AV), Caddy III (2K, 2C), Beetle (5C), Touran (1T); Audi A1 (8X), A3 (8P); Seat Altea (5P), Leon (1P), Ibiza IV (6J, 6P), Toledo IV (KG); Skoda Fabia II (542, 545), Octavia II (1Z), Rapid (NH1, NH3), Roomster (5J), Yeti (5L) (Engine codes: CBZA, CBZB, CBZC, CGEA, CHPA, CJZA, CJZB, CMBA, CPTA, CPVA, CPVB, CPWA, CUKB, CWVA, CXSA, CYVA, CYVB, CZBA, CZCA, CZDA, CZEA)

**Alternative tools:** T30122, Skoda MP3-467, VW 40-105

The kit comes with all the tools required for the professional removal/installation (press-fitting) of the timing chain sprocket from/to the crankshaft. Using this tool, the time-consuming loosening and lowering of the engine can be avoided. Includes a flywheel locking tool for holding the crankshaft in position as well as a pressing ring that is used to press the shaft seal into the timing case cover.

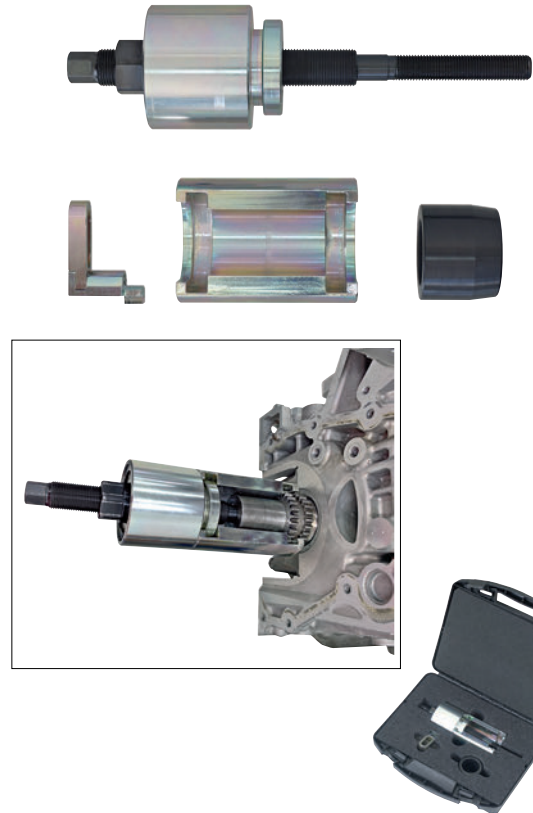
**Recommended Accessory:** KL-0284-8 Holding Tool for Water Pump

#### Technical Data:

Ø:	Ø 65mm
Length:	240mm
Weight:	4.1kg

#### Scope of Delivery:

Part No.	Description	Qty
KL-0282-531	Steuerkettenrad-Abzieher VW	1
KL-0282-532	Schwungrad-Blockierwerkzeug	1
KL-0282-533 A	Pressring Wellendichtring	1
KL-0282-5390	Kunststoffkoffer	1



## KL-0282-35 C (Code 3417468)

### Counter-Holding Tool, adjustable

Universal fit for perforated timing belt and timing chain sprockets, with or without camshaft adjustment. Installed, for example, in VW-Audi, Seat, Škoda, Alfa, BMW, Fiat, Lancia, Dacia, Mercedes, MG, Nissan, Ford, Opel, Porsche, Peugeot, Renault, Citroën, Rover, Volvo, Suzuki, Isuzu, Japanese vehicles, and many more.

**Alternative tools:** 3036, 0606-A1, 0606-A1Y, 0606-A2, 09917-68221, 1.860.831.000, 1.860.831.001, 1.860.831.002, 1.860.885.000, 1.870.815.000, 1.870.836.000, 15-030 A, 18G 1521, 205-072, 49 D011 102, 49 G011 103, 49 S120 710, 6016-T, 6310-T, EN-47634, EN-49979, KM-6245, KM-6347, MD998747, Mot.799, Mot.799-01, MP-1-216, T10172, T10172/1, T10172/2, T10172/4, T10172A, T10554, T20018, T20018A, T20018B, T20018B/1, T20018B/2, T20018B/3, T30004, T97T-6256-B

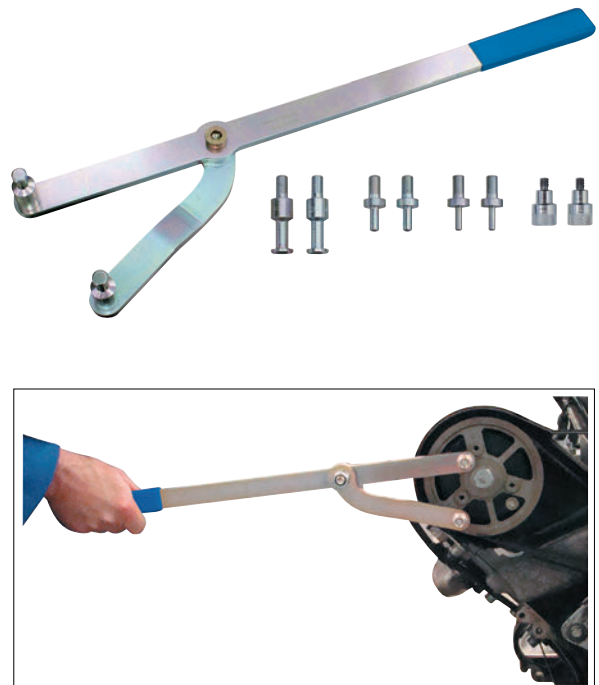
For professional counterholding of toothed belts and timing chain sprockets, with or without camshaft adjustment, which have at least two bores larger than 6.5mm diameter, or which are provided with M6 mounting threads. Required, for example, when loosening and tightening the fastening screws on the camshaft, balancer shaft, intermediate shaft, and injection pump shaft. Depending on the hole diameter and spacing, the counter-hold spanner can be individually adapted thanks to the large number of interchangeable bolts and knurled screws as well as the infinitely adjustable holder.

#### Recommended accessories:

Locking tool kit VW 1.0 - KL-0280-766 KA,  
 Locking tool lit VW 1.2 / 1.4 TSI / FSI -KL-0280-767 KB,  
 Clamping key 30mm width - KL-0284-171 A

#### Scope of Delivery:

Part No.	Description	Qty
KL-0282-35	Gegenhalteschlüssel verstellbar	1
KL-0282-311	Bolzen-Satz Ø 18 mm	1
KL-0282-312	Bolzen-Satz Ø 7,5 mm	1
KL-0282-313	Bolzen-Satz Ø 6 mm	1
KL-0282-314	Rändelschrauben-Satz M6	1
KL-4990-2001	Kunststoffdose	1



#### Technical Data:

Pin diameter:	6 + 7.5 + 12 + 18mm
Knurled screw diameter:	M6x1.25mm
Length:	470mm
Spanner width:	Variable from 14 - 130mm
For engine type:	Petrol + Diesel





## KL-0286-20

[Code 2930331]

### Socket Wrench Set, (waf 10mm) for Pressure Capsule with Charge Pressure Actuator Position Sensor, VW

**Suitable for the pressure capsule with charge pressure actuator position sensor at the exhaust gas turbocharger fitted to 2.0 Common Rail Diesel engines.**

**For example found in:** Golf VI (5K), Golf Plus (52), Jetta (1K), Passat (3C), Passat CC (35), Scirocco (13), Eos (1F), Tiguan (5N), Transporter T5 (from 2010 upwards, 7J, 7H, 7G, 7F) and Audi A3 (8P).

**Alternative tool:** T10422, T10423

This tool set is designed for the professional loosening, adjustment and tightening of the control rod when removing/installing the pressure capsule along with the charge pressure actuator position sensor.

**Note:** If the control rod is not loosened, adjusted and tightened correctly, there is a risk of damage to the pressure capsule.

**Recommended Accessory:** 2093 U-20 Reversible Ratchet 1/4"

#### Technical Data:

Width across flats (KL-0286-2001):	10mm
Width across flats (KL-0286-2002):	10/12mm
Length (KL-0286-2001):	50mm
Length (KL-0286-2002):	144x55mm
Drive:	1/4"

#### Scope of Delivery:

Part No.	Description	Qty
KL-0286-2001	Socket (waf 10mm)	1
KL-0286-2002	Combination Spanner (bent design), waf 10/12mm	1



## 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-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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## KL-0500-80 KA [Code 3411664] (Pat.)

### Base Tool Kit for Double Clutch

In conjunction with the respective **vehicle-specific upgrade kits**, universally applicable to VW-Audi, Seat, Škoda, Renault and Ford passenger cars with dry double clutch systems.

For example: VW-Audi 1st generation transmissions 0AM (until 5/2011), 2nd generation transmissions 0AM (from 6/2011 onwards); Renault DC4 and Ford DPS6 etc.

**Alternative tool:** LuK 400 0418 10

Having always the right specialist tool at hand is essential for carrying out professional repairs to double clutch systems and to avoid costly damage in the first place. Used in conjunction with the respective vehicle-specific upgrade kit, the **KL-0500-80 KA** base toolkit for double clutches allows for professional repairs to all LuK\* Double Clutch Systems (dry double clutches) that are currently available on the market. The forward-looking modular concept allows for continuous enhancement of the **KL-0500-80 KA** base tool kit for double clutches with **vehicle-specific upgrade kits**, thus making it applicable also to future double clutch systems.

#### Necessary accessories:

**KL-0500-81 KA** Upgrade Tool Kit for Double Clutch, VW  
 or **LuK 400 0423 10** Upgrade Tool Kit for Double Clutch, Renault  
 or **LuK 400 0427 10** Upgrade Tool Kit for Double Clutch, Ford

#### Scope of Delivery:

Part No.	Description	Qty
KL-0126-221	Flexible Magnetic Lifter	1
KL-0192-12	Circlip Pliers (angled)	1
KL-0350-0009	Hex Shoulder Nut, M10	3
KL-0500-601 A	Base Tool	1
KL-0500-6020	Thumb Screw	3
KL-0500-6021	Threaded Bolt, M10, 100mm long	3
KL-0500-6022	Threaded Bolt, M10, 160mm long	3
KL-0500-8010	Special Open-End Wrench, 47mm waf	1
KL-0500-8011	Unlocking Key	1
KL-0500-8012	Plug for Drive Shaft Holes	2
KL-0500-802	Transmission Support with Height Adjustment Mechanism	1
KL-0500-803	DMF Reset Tool	1
KL-0500-8090 A	Plastic Storage Case	1



#### Recommended accessory:

**KL-0500-71 KA** Reset Tool Kit for Double Clutch

#### Technical Data:

Width:	494mm
Depth:	402mm
Height:	156mm
Weight:	8.6kg



## KL-0500-81 KA [Code 3411648] (Pat.)

### Upgrade Tool Kit for Double Clutch, VW

Applicable to VW-Audi, Seat and Škoda vehicles with dry double clutch systems.

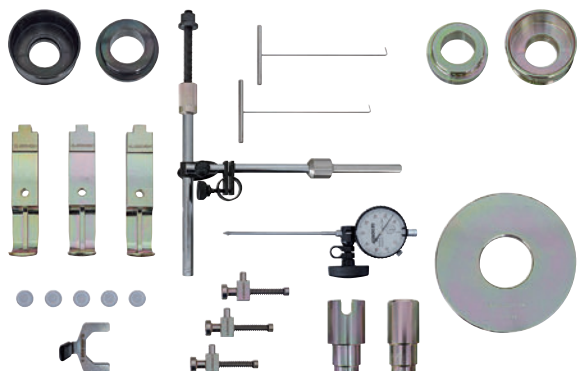
For example: 1st generation DSG transmissions 0AM (until 5/2011) and 2nd generation DSG transmissions 0AM (from 6/2011 onwards).

**Alternative tool:** LuK 400 0419 10

The **KL-0500-81 KA** upgrade tool kit for double clutch is designed to be used in conjunction with the **KL-0500-80 KA** (LuK 400 0418 10) base toolkit, thus allowing for the professional dismantling, assembly and adjustment of dry double clutch systems found on VW-Audi, Seat and Škoda vehicles.

#### Scope of Delivery:

Part No.	Description	Qty
KL-0500-6030	Support Sleeve for Disassembly	1
KL-0500-6031	Pressure Sleeve for Assembly	1
KL-0500-6032	Reference Gauge, 32.92mm	1
KL-0500-6033	Reference Gauge, 48.63mm	1
KL-0500-6034	Weight, 3.5kg	1
KL-0500-6035	Setting Gauge for Spacer Sleeves	1
KL-0500-6041	Hook	3
KL-0500-6042	Spring-Loaded Clamp for VW	3
KL-0500-6051	Pulling Hook	2
KL-0500-606	Dial Gauge with Stand	1
KL-0500-6071	Plug, Ø 12mm	5
KL-0500-6081	Reference Gauge, 48.42mm	1
KL-0500-6082	Reference Gauge, 32.12mm	1
KL-0500-8190	Plastic Storage Case	1



#### Necessary accessories:

**KL-0500-80 KA** Base Tool Kit for Double Clutch

#### Technical Data:

Width:	494mm
Depth:	402mm
Height:	156mm
Weight:	10kg





## KL-0500-90 K

[Code 3411591]

### Double Clutch Tool Set

**Fits VW-Audi, Seat, and Škoda 7 geared double clutch gearbox (DQ250, DQ380, DQ381, DQ500) with wet clutch. Installed in e.g. VW Tiguan Allspace (BW, BJ), Tiguan (AD, AX, 5N), Sharan (7N), Passat B8 (3G, CB), Arteon (3H), Transporter / Multivan T5 + T6 (7E, 7H, 7J, SG, SH, SF, SJ); Audi TT (8J, FV), Q3 (8U), A3 (8V, 8P); Seat Tarraco (KN), Alhambra (710, 711); Skoda Kodiaq (NS, NV).**

**Alternative tool:** LuK 400 0540 10

The tool kit enables a professional disassembly or installation and adjustment of double clutches. Required, for example, when installing the LuK RepSet 2CT (602 0018 00 or 602 0022 00).

#### Necessary accessories:

**KL-0126-221** Magnetic Lifter, Valve Collet, flexible,

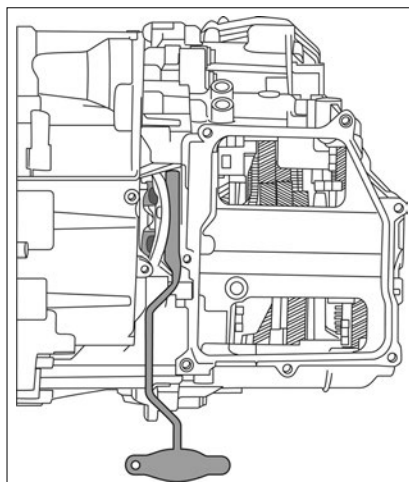
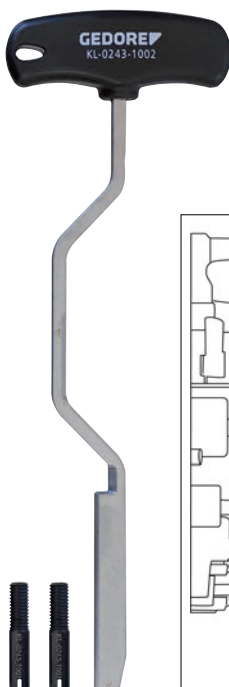
**KL-0192-12** Circlip Pliers, 30° angled

#### Technical Data:

Width:	391mm
Depth:	304mm
Height:	104mm
Weight:	4.9kg

#### Scope of Delivery:

Part No.	Description	Qty
KL-0500-606	Measuring tripod with dial gauge	1
KL-0049-100	Impact extractor basic device	1
KL-0500-903	Connection of gearbox housing	1
KL-0500-900	Collet chuck with clamping sleeve	1
KL-0500-901	Retaining bolt DQ380/381/500	1
KL-0500-902	Retaining bolt DQ250	1
KL-0500-906	Mounting hook with a diameter of 5 mm	2
KL-0500-6071	Closing plug with a diameter of 12 mm	2
KL-0500-905	Large cone	1
KL-0500-904	Small cone	1
KL-0500-9090 A	Plastic case	1



## KL-0243-10

[Code 3238768]

### Assembly Lever, with Guide Pins

**Applicable to VW-Audi, Seat and Škoda vehicles equipped with a transversely mounted 7-speed double-clutch gearbox OAM; such as Audi A3 (8P); VW Polo (6R, 6C), Golf (1K), Golf Plus (1KP), Touran (1T), Eos (1F), Passat (3C), Passat CC (35), Scirocco (13); SEAT Ibiza V (KJ), Toledo (5P); ŠKODA Fabia (5P), Octavia (1Z) etc.**

**Alternative tool:** T10406, T10407

Required to pre-load and lock the clutch engagement levers when removing and installing the mechatronic unit on a (DSG) double-clutch gear box OAM.

The guide pins supplied with the kit ensure straight mounting of the mechatronic unit.

#### Technical Data:

Length basic tool:	270mm
Weight:	175g

#### Scope of Delivery:

Part No.	Description	Qty
KL-0243-1002	Assembly Lever (for plungers)	1
KL-0243-1001	Guide Pin	2



## 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

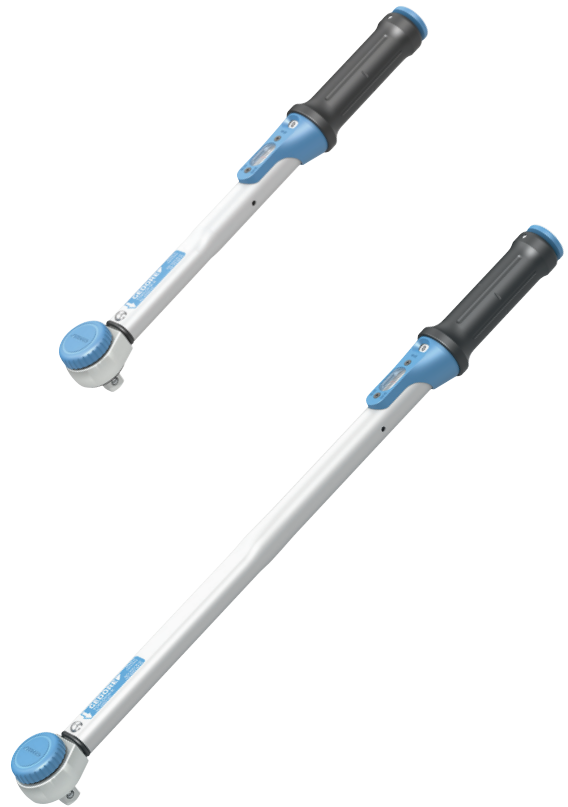
## 4550-30

[Code 7601880]

### Torque wrench TORCOFIX K

#### Technical Data:

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



## 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 21 mm sizes
- Made in Germany

#### Technical Data:

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



## K 19 LS-004

[Code 2790831]

### 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

#### Technical Data:

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



**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

**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 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

**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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## 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



## KL-4998-400

(Code 3421147)

### Workshop trolley, passenger car hand tools

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

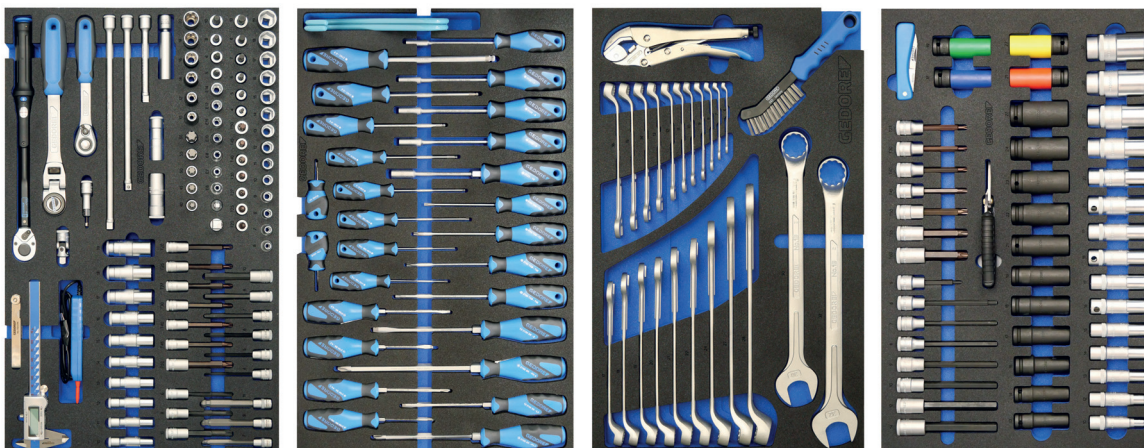
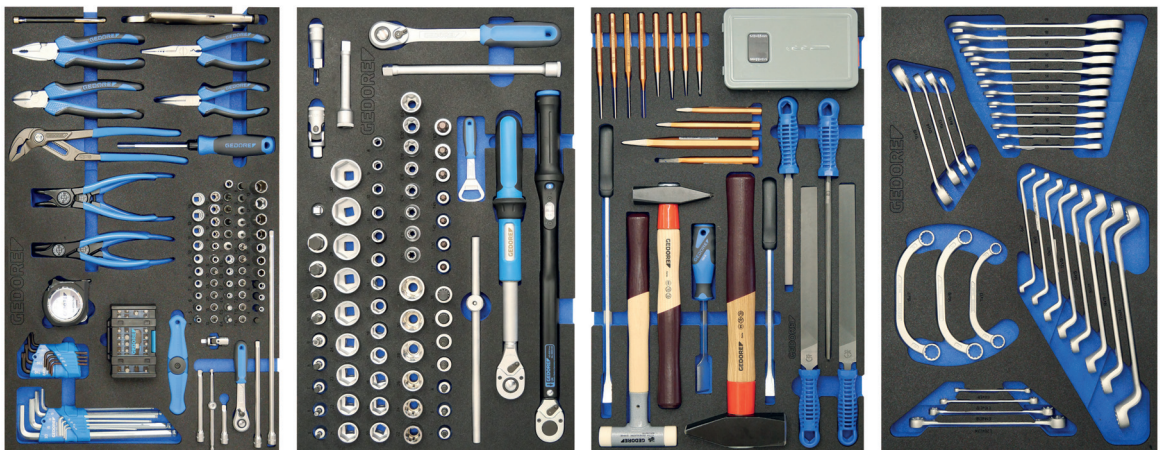
The tool trolley offers a very extensive and extremely robust range of metric hand tools especially for professionals. Every tool has its place thanks to the high-quality foam inserts.

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

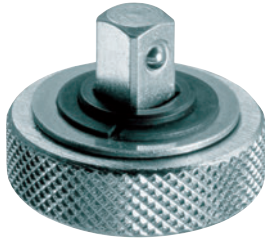
With 8 fully equipped drawers and an empty large drawer at the bottom. The trolley has side walls with Euro perforations, central locking with a cylinder lock, wide drawers that can be pulled out fully and each drawer has a safety lock.

#### 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







## 2093 HR-94

### Hand ratchet 1/4"

[Code 6069870]

- 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



#### Technical Data:

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

## 2093 U-3

### Reversible ratchet 1/4"

[Code 6170590]

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

## 3093 U-20

### Reversible ratchet 3/8"

[Code 1556800]

- 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

## 1993 U-20

### Reversible ratchet 1/2"

[Code 1436686]

- 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

## KL-4007-500 (Code 3406504)

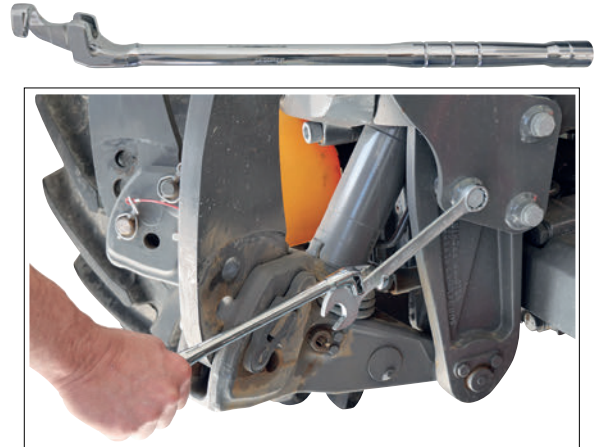
### Key Extension, universal, 380mm

#### 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



## 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:	10 / 12 / 13 / 14 / 17 / 19 / 22 / 24 mm
Dimensions:	2,6 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



#### Technical Data:

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



**Technical Data:**

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

## 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



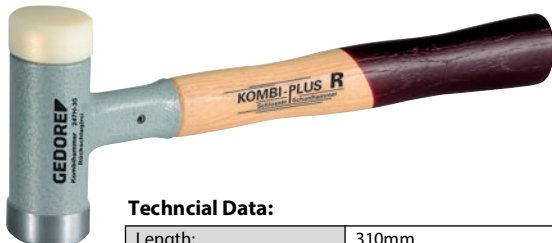
**Available sizes:**

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

## 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



**Technical Data:**

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

## 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)

# KIS

## KLANN Information System

Auch mit Ihrem Handy haben Sie bequem Zugriff auf unser „KIS“.  
Somit können Sie zu jeder Zeit und wo immer Sie sich befinden  
OE-Werkzeugnummern auf unsere Artikel Nummern umschlüsseln.



KIS goes mobile ...





## 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.

#### 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"





## 2150-2160 PH-06 (Code 1482319)

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

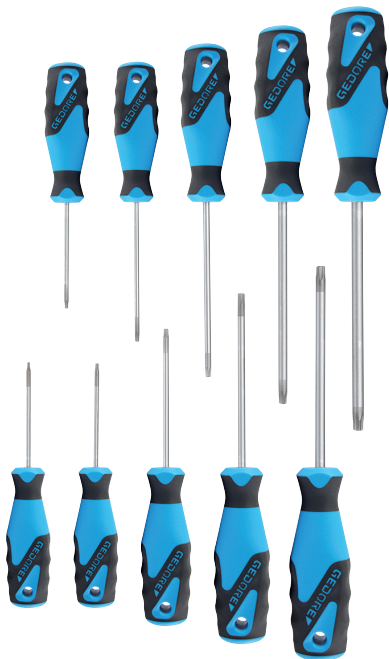
- Practical set composition in environmentally-friendly cardboard box
- For slotted and cross-head screws PH
- 3-component handles Power-Grip3 with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force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

#### Contents:

2150 Gr. 4; 5,5; 6,5; 8.  
2160 Gr. PH 1; 2.

#### 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



# 905

(Code 1823698)

## Creeper

- 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



### Technical Data:

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

# 900 20

(Code 3108678)

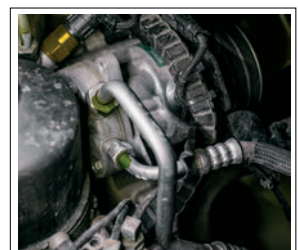
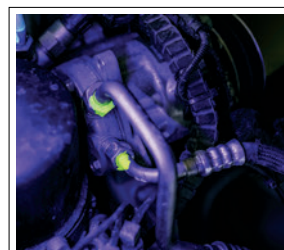
## Lamp LED Li-MH USB charging connection

- 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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