

# HV Range 1000 Volt



**ALL FOR  
THE E-MOBILITY  
WORKSHOP**

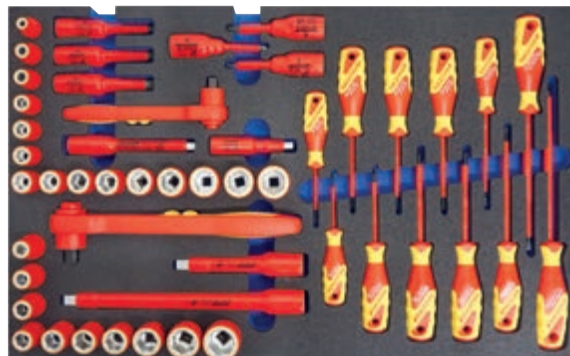
# PREMIUM UPGRADE FOR THE E-MOBILITY WORKSHOP



KL-4600-200

## TOOL TROLLEY WITH HIGH-VOLTAGE ASSORTMENT (103 PARTS)

- The perfect tool kit for maintenance and repairs on hybrid and electric vehicles
- Suitable for vehicles of all manufacturers
- All tools are protective insulated to EN 60900/EC 60900
- Tool trolley: Side walls with Euro perforation, externally mounted Heavy-duty chassis, ball-bearing guide rails, and Central lock
- Includes: digital voltage tester, 3/8" VDE torque spanner, Safety lock, sockets, and ratchet, 3/8" and 1/2", and many more



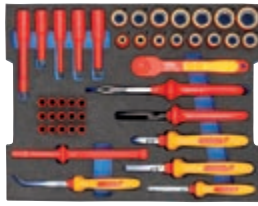
### Content:

- 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

103 parts 3/8" 1/2" 1000V

Code	No.	Dimensions	Number of drawers	Load capacity (mobile/static)	Load capacity (per drawer)	Design
3415740	KL-4600-200	H 985 W 775 D 475 mm	6	650 kg / 900 kg	40 kg	3/8" + 1/2"

1100-1094  
**VDE TOOL KIT  
 HYBRID**



- The perfect tool kit for maintenance and repairs on hybrid and electric vehicles
- Suitable for vehicles of all manufacturers
- All tools are protective insulated to EN 60900/EC 60900
- GEDORE L-BOXX® 136 is compatible to the Sortimo® vehicle equipment in your service car

53 parts 3/8" D+E 1000V

Code	No.	Content	Length in mm	Width in mm	Depth in mm	Weight in kg
2979063	1100-1094	3/8" VDE socket spanner no. VDE 30, 6 8 9 10 11 12 13 14 15 16 17 18 19 20 22 mm 3/8" VDE screwdriver bit no. VDE INX 30, 8 10 12 mm 3/8" VDE extension no. VDE 3090 -3 -6, 75 150 mm, 3/8" VDE reversible ratchet no. VDE 3093 U VDE slotted screwdriver no. VDE 2170, 2.5 3.5 4 5.5 mm VDE cross-head screwdriver no. VDE 2160 PH 1 2 3 VDE TX screwdriver no. VDE 2163 TX T20 T25 T30, VDE cable shear no. VDE 8094, 200 mm VDE universal pliers no. VDE 146 10, 10", VDE power combination pliers no. VDE 8250-200 H, 200 mm 2K handle VDE high leverage diagonal cutter no. VDE 8314-180 H, 180 mm VDE Flat round-nose pliers no. VDE 8132 AB-200 JC, 200 mm, angled 2K handle VDE flat pliers no. VDE 8120-160 H, 160 mm 2K handle VDE cable stripping knife no. VDE 4522, 180 mm, meter connection fitting no. V 914, size 1 2 3 + GEDORE L-BOXX®	357	442	151	8.28

KL-4600-100 K  
**VDE SUPPLEMENTARY  
 KIT**



Made in Germany



- The unique VDE supplementary kit offers the possibility to secure hybrid and electric vehicles ideally for working on them
- Perfect addition to the VDE tool kit 1100-1094
- For maximum safety at the workplace
- Includes an empty compartment to accommodate a VDE torque spanner 4508-02/-05

**Includes a digital HV tester!**

10 parts

Code	No.	Content	Weight
3413659	KL-4600-100 K	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®	11 kg

KL-4600-10 Z  
**VDE HYBRID TOOL  
 INCL. SUPPLEMENT**



**Complete package  
 at a special deal**

Code	No.	Consisting of
3418642	KL-4600-10 Z	KL-4600-100 K VDE supplementary kit and 1100-1094 VDE HYBRID tool kit

**IDEAL FOR  
HYBRID /  
E-VEHICLES  
UNIVERSAL  
FAST  
SAFE**

**PATENTED**



KL-5501 B

# **SPRING COMPRESSOR**

**THE PERFECT COMPANION FOR THE FUTURE**

The patented tensioning of McPherson suspension struts via the strut bearing makes the KL-5501 B stationary spring compressor fully eMobility-compatible. Due to their high weight, electric vehicles are being equipped with increasingly stronger springs at the factory, for which conventional spring compressors with engagement via the spring are often unable to generate sufficient clamping power and spring replacement is therefore not possible without risk. Since the spring is tensioned via the upper spring plate against the lower one, neither the shape of the spring nor the spring pitch play a role. With this unique method, the entire spring strut is tensioned, so to speak, and thus the installation situation in the vehicle is readjusted.



RIGHT-HAND



LEFT-HAND



CONICAL



ECCENTRIC



HIGH PITCH



SMALL NUMBER  
OF WINDINGS

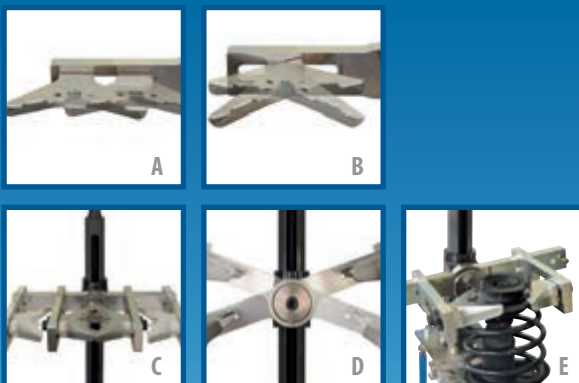


IRREGULAR  
PITCH

# 1

## CONTINUOUSLY ADJUSTABLE

- Fits practically any MacPherson suspension/damper strut available on the market
- Fits practically all spring plate diameters | C
- Pivoted and slideable spring holding devices adjust to practically any spring plate contour | A, B
- Inclined spring plate mounting for secure fitting of tilted spring plates | D
- No damage to the coil spring coating from clamping with the spring plate



# 2

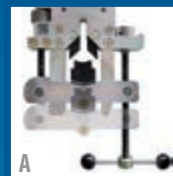
## SAFE ONE-PERSON OPERATION

- Easy and quick to handle in the workshop's daily routine
- Work done by just one person
- Very safe and user-friendly overall design

# 3

## DAMAGE-FREE WORKING

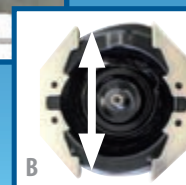
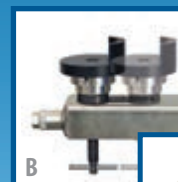
- Adjustable quick clamping device for damage-free suspension strut fitting | A
- No damage to the damper tube thanks to plastic clamping jaws at the holding device



# 4

## HORIZONTALLY ADJUSTABLE MOUNTING

- Allows the piston rod to be exactly aligned to the spring plate | B
- Height-adjustable support fitting practically any suspension strut length | A

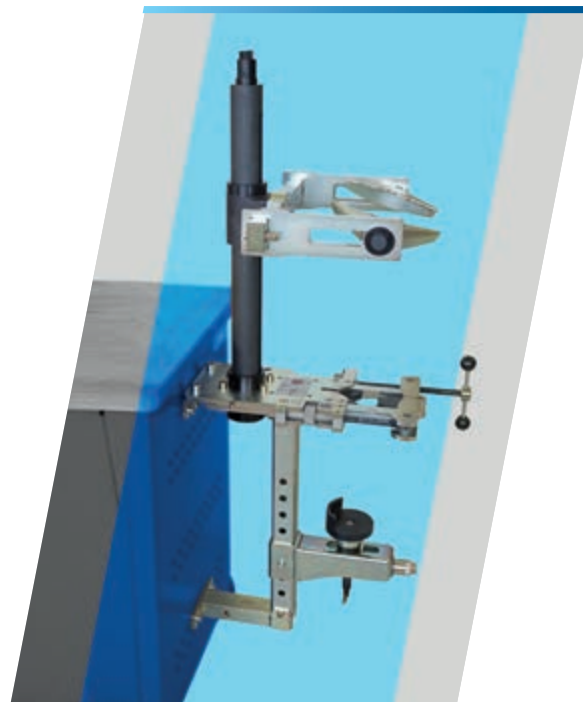


Universal fit for nearly all McPherson suspension struts on the market.

- **UNIQUE, FAST and SECURE**, simply **BETTER!**
- Compresses even the strongest springs - E-MOBILITY-READY
- Damage-free security via the shock absorber tube
- Safe compressing directly via the strut bearing
- Spring shape and pitch completely irrelevant
- The Solution does not touch the spring
- Maximum user safety
- Simple handling
- One-man operation
- High load capacity
- 4-way safety

### ACCESSORY

- KL-5501-211 MODULO and Wall Bracket, short
- KL-5501-212 Wall Bracket, long
- KL-5501-40 Hand Crank
- KL-5501-31 Collar Mounting Kit, Ø 60 / 90 mm
- KL-5501-1435 A Adapter for Shock Absorber



Code	No.	Drive	Breaking point	Load capacity (max.)	Weight	Opening width (max.)	Spring plate Ø (min.)	Spring plate Ø (max.)
3230503	KL-5501 B	SW 24	60.000 N	15.000 N	46 kg	570 mm	125 mm	220 mm

KL-0080-SERIES

# REPAIR KIT FOR CABLE/PLUG CONNECTIONS

Clean drives, reliable assistance systems and the goal of fully autonomous driving.

What already seems technically solvable today develops immense challenges when it comes to repairs later in the workshop.

The progressive digitalisation of vehicle technology requires a complex electronics management system in which sensors, actuators and radio transmitters interconnected in a far-reaching wiring system.

Today, a wiring harness consists of up to 8 km of cable, thousands of plug connections and various shielding systems.

In order to save weight, cables are becoming thinner and plug connections increasingly difficult.

The smallest changes in the cable cross-sections or the plug connections can cause serious faults. Therefore, a professional repair is essential, which with this kit provides in restoring the factory condition.

GEDORE KLANN EXPERIENCE stands for in-depth expertise in this specialist area of vehicle repairs. Resourcefull, time-saving, safe, professional.



KL-0080-1 K



KL-0080-11 K

**NEW**



# VDE INSULATED TOOLS

When working on electrical installations or hybrid and electric vehicles safety at work is the top priority. With insulated tools from GEDORE, you are on the safe side.

All VDE safety tools made by GEDORE - from spanners, screwdrivers and pliers to torque wrenches - are manufactured in such a way that they reliably protect the user from electrical shock when used as intended. To achieve this, GEDORE performs every single step, right down to the 100% testing of the electrical insulation properties on the 10,000 V high-voltage test facility.

In addition, all VDE tools meet the DIN-ISO requirements with regard to their properties such as hardness and torque.

GEDORE is not satisfied with just the standard. That is why the tools have intelligent additional functions such as the Check-Tool insulation or the ultra-small blade diameter of the SLIM DRIVE screwdrivers.



## HOW DO I RECOGNISE SAFE INSULATED TOOLS?

- Only tools with all test marks are considered to be insulated
- Additionally marked with the name of the manufacturer, model or type designation and year of manufacture



- Tools marked with the double triangle are individually tested
- Testing at 10,000 V AC based on EN 60900/IEC 60900

1000 V

- VDE insulation: insulated up to 1000 V



- Testing performed by VDE Test Institute
- Compliance with tool and safety standards guaranteed
- Tools meet the requirements of the German equipment safety law



- Tool complies with the Equipment and Product Safety Act (GSPG) according to testing and certification office





# SAFE INSULATED



## SAFE UP TO 1000 VOLT

- VDE insulation: insulated up to 1000 V according to EN 60900/IEC 60900
- Safe working under electrical voltage
- Up to AC 1000 V (alternating voltage)
- Up to DC 1500 V (direct voltage)

## VDE CHECK-TOOL INSULATION

- All GEDORE VDE soft-plastic insulated safety tools have the Check-Tool insulation.
- The two-colour multi-layer insulation - red on the outside, yellow on the inside - complies with the BGV A3 (VBG-4) regulation.
- The tool must not show any discernable damage. If yellow is visible, it is high time to dispose of the tool



The two-ply  
Check-Tool  
insulation



Insulated tools

**VDE 2 E**  
VDE Single ended ring spanner deep offset



- > Vanadium steel 31CrV3
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900, 2-fold Check-Tool insulation

Code	No.		↳ mm ↲	Code	No.		↳ mm ↲
6035890	VDE 2 E 8	8	170	6036780	VDE 2 E 17	17	220
6035970	VDE 2 E 9	9	170	6036860	VDE 2 E 19	19	240
6036000	VDE 2 E 10	10	170	6036940	VDE 2 E 22	22	260
6036190	VDE 2 E 11	11	180	6037080	VDE 2 E 24	24	280
6036270	VDE 2 E 12	12	190	6037160	VDE 2 E 27	27	295
6036350	VDE 2 E 13	13	190	6037240	VDE 2 E 30	30	310
6036430	VDE 2 E 14	14	210	6037320	VDE 2 E 32	32	330
6036510	VDE 2 E 15	15	215				

**VDE 894**  
VDE Single open ended spanner



- > Vanadium steel 31CrV3
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900, 2-fold Check-Tool insulation
- > Jaw set at 15°

Code	No.	⊙ mm	↳ mm ↲	Code	No.	⊙ mm	↳ mm ↲
6572040	VDE 894 9	9	105	6572980	VDE 894 17	17	160
6572120	VDE 894 10	10	105	6573010	VDE 894 19	19	175
6572200	VDE 894 11	11	115	6573280	VDE 894 22	22	200
6572390	VDE 894 12	12	125	6573360	VDE 894 24	24	220
6572470	VDE 894 13	13	135	6573440	VDE 894 27	27	245
6572550	VDE 894 14	14	145	6573520	VDE 894 30	30	265
6572630	VDE 894 15	15	150	6574920	VDE 894 32	32	280
6572710	VDE 894 16	16	155				

**V 60 CP**  
Single open ended spanner adjustable, 1000 V



- > Immersion Insulated
- > Piece tested, protective insulation up to 1000 V

Code	No.	Size "	mm	Code	No.	Size "	mm
2179040	V 60 CP 6	6	20	2179067	V 60 CP 10	10	30
2179059	V 60 CP 8	8	25	2179075	V 60 CP 12	12	36

**VDE 2133**  
VDE Socket wrench with 3C-handle



- > Ergonomic 3-component handle Power-Grip<sup>3</sup> for maximum power with minimum effort
- > Insulated up to 1000 V, according to EN 60900/IEC 60900
- > Hanging hole on handle for space-saving storage

Code	No.	⊙	↳ mm ↲	↳ mm ↲	Head-Ø	Ø	
1747045	VDE 2133 3	3	125	225	9	8,9	0,109
1747053	VDE 2133 4	4	125	225	10	8,9	0,111
1747061	VDE 2133 5	5	125	225	11	8,9	0,112
1747088	VDE 2133 6	6	125	225	12	8,9	0,114
1747096	VDE 2133 7	7	125	235	14	9,9	0,152
1747118	VDE 2133 8	8	125	235	15	9,9	0,154
1747126	VDE 2133 9	9	125	235	16	9,9	0,154
1747134	VDE 2133 10	10	125	235	17	9,9	0,161
1747142	VDE 2133 11	11	125	254	19	10,9	0,193
1747150	VDE 2133 12	12	125	245	20	10,9	0,196
1747169	VDE 2133 13	13	125	245	21	10,9	0,199
1747177	VDE 2133 14	14	125	245	22	10,9	0,198
1747185	VDE 2133 17	17	125	245	26	10,9	0,222

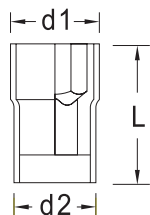
**VDE 4508**  
VDE Torque wrench 5-50 Nm



- > Release system triggers a tactile and audible signal
- > Recalibration without destroying the insulation
- > Fine toothed ratchet with square drive as per DIN 3120, ISO 1174

- > Safety button to protect against accidental release of the insert
- > Insulated up to 1000 V, according to EN 60900/IEC 60900

Code	No.	■ "	■ mm	Nm		↳ mm ↲	
3125335	VDE 4508-02	3/8"	10	5-25	1	319	0,714
3079066	VDE 4508-05	1/2"	12,5	10-50	2,5	369	0,825

**VDE 30**  
 VDE-Socket 3/8"  
 hexagon


- > With square drive as per DIN 3120 - C 10, ISO 1174
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900, 2-fold Check-Tool insulation
- > 16 - 18 mm insulation overhang

Code	No.	mm	L	d1	d2	kg
2946386	VDE 30 6	6	44	13,7	23,0	0,030
2946394	VDE 30 8	8	44	16,1	23,0	0,035
2946408	VDE 30 9	9	44	17,5	23,0	0,035
2946416	VDE 30 10	10	44	18,7	23,0	0,035
2946424	VDE 30 11	11	44	20,0	23,0	0,035
2946432	VDE 30 12	12	44	21,2	23,0	0,040
2946440	VDE 30 13	13	44	22,5	23,0	0,040
2946459	VDE 30 14	14	45	23,7	23,0	0,045
2946467	VDE 30 15	15	46	25,0	23,0	0,050
2946475	VDE 30 16	16	46	26,2	23,0	0,060
2946483	VDE 30 17	17	46	27,5	23,0	0,065
2946491	VDE 30 18	18	46	28,7	23,0	0,075
2946505	VDE 30 19	19	46	30,0	23,0	0,075
2946513	VDE 30 20	20	47	31,2	23,0	0,085
2946521	VDE 30 22	22	48	33,7	23,0	0,105

**VDE INX 30**  
 VDE Screwdriver bit  
 socket 3/8"  
 for multi-point  
 screws XZN


- > With square drive as per DIN 3120 - C 10, ISO 1174
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900, 2-fold Check-Tool insulation

Code	No.	mm	mm	kg
2946564	VDE INX 30 8	M8	120	0,08
2946572	VDE INX 30 10	M10	120	0,11
2946580	VDE INX 30 12	M12	120	0,14

**VDE 3090**  
 VDE-Extension 3/8"


- > For hand-operated sockets with square drive as per DIN 3120, ISO 1174
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900, 2-fold Check-Tool insulation
- > 16 - 18 mm insulation overhang

Code	No.	"	mm	mm	kg
2946548	VDE 3090-3	3/8"	10	75	0,097
2946556	VDE 3090-6	3/8"	10	150	0,115

**VDE 3093 U**  
 VDE Reversible ratchet 3/8"  
 with push-button release

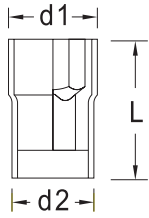

- > Absolutely secure hold of the attachments due to push-button locking with ball in the square drive
- > Direction changed by 2 push-buttons, marked R and L, on the shaft

- > Square drive according to DIN 3120 - A 10, ISO 1174
- > Insulated up to 1000 V, according to EN 60900/IEC 60900
- > Sleeve insulation

Code	No.	"	mm	°	mm	kg
2946599	VDE 3093 U	3/8"	10	8,2	185	0,215

Insulated tools

**VDE 19**  
VDE-Socket 1/2"



- > With square drive as per DIN 3120 - C 12.5, ISO 1174
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900, 2-fold Check-Tool insulation
- > 16 - 18 mm insulation overhang
- > The diameter d1 for the dimensions 27, 30 and 32 is not standardized

Code	No.	mm	L	d1	d2	kg
6122510	VDE 19 10	10	54	19,5	27,0	0,070
6122780	VDE 19 11	11	54	20,7	27,0	0,067
6122860	VDE 19 12	12	54	22,0	27,0	0,070
6122940	VDE 19 13	13	54	23,2	27,0	0,069
6123080	VDE 19 14	14	54	24,5	27,0	0,073
6123160	VDE 19 15	15	55,5	25,7	27,0	0,088
1439294	VDE 19 16	16	55,5	27,0	27,0	0,086
6123240	VDE 19 17	17	55,5	28,2	27,0	0,084
6123320	VDE 19 19	19	56	30,7	27,0	0,092
6123400	VDE 19 22	22	57,5	34,5	27,0	0,121
6123590	VDE 19 24	24	57,5	37,0	27,0	0,146
6123670	VDE 19 27	27	57,5	40,7	27,0	0,174
6123750	VDE 19 30	30	59	44,5	27,0	0,212
6123830	VDE 19 32	32	60,5	47,0	27,0	0,250

**VDE IN 19**  
VDE Screwdriver bit socket 1/2"  
for in-hex screws



- > With square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900, 2-fold Check-Tool insulation
- > These inserts can only be combined with No. VDE 1989 T, VDE 1991, VDE 1993 U and VDE 4507

Code	No.	mm	mm	d	kg
6124480	VDE IN 19 5	5	106	27	0,083
6124560	VDE IN 19 6	6	106	27	0,095
6124640	VDE IN 19 8	8	106	27	0,109

**VDE 1990**  
VDE Extension 1/2"



- > For hand-operated sockets with square drive as per DIN 3120, ISO 1174
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900, 2-fold Check-Tool insulation
- > Not suited for use with No. VDE IN 19
- > 16 - 18 mm insulation overhang

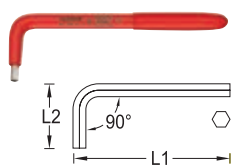
Code	No.	"	mm	mm	kg
6124050	VDE 1990-5	1/2"	12,5	125	0,213
6124130	VDE 1990-10	1/2"	12,5	250	0,411

**VDE 1993 U**VDE Reversible ratchet 1/2"  
with push-button release

- > Secure holding of the attachments due to push-button locking with ball in the square drive
- > Direction changed by 2 push-buttons, marked R and L, on the shaft

- > Square drive according to DIN 3120 - A 12.5, ISO 1174
- > Insulated up to 1000 V, according to EN 60900/IEC 60900

Code	No.	"	■	◡°	↳ mm ↳	⚖
6123910	VDE 1993 U	1/2"	12,5	10	270	0,546

**VDE 42**VDE Hexagon allen key  
for in-hex screws

- > Acc. to DIN ISO 2936
- > Especially suitable for cable branch clamping rings
- > Piece tested, protective insulation up to 1000 V

Code	No.	⬡	L1	L2	⚖
2324849	V 42 3	3	130	23,5	0,020
2324857	V 42 4	4	120	40	0,025
2324865	V 42 5	5	140	48	0,045
2324873	V 42 6	6	140	48	0,060
2324881	V 42 8	8	150	51	0,110
2324903	V 42 10	10	220	51	0,230
2324911	V 42 12	12	260	61,5	0,350

**VDE 42 T**Hexagon allen key  
with T-handle  
for in-hex screws

- > Piece tested, protective insulation up to 1000 V
- > With Check-Tool insulation

Code	No.	⬡ mm	↳ mm ↳	⚖	
2661225	V 42 T 4	4	160	x	0,145
2661233	V 42 T 5	5	160	x	0,250
2661276	V 42 T 10	10	200	-	0,390
2661284	V 42 T 11	11	200	-	0,400
2661292	V 42 T 12	12	200	-	0,420

**VDE 2170**VDE Screwdriver  
for slotted head screws

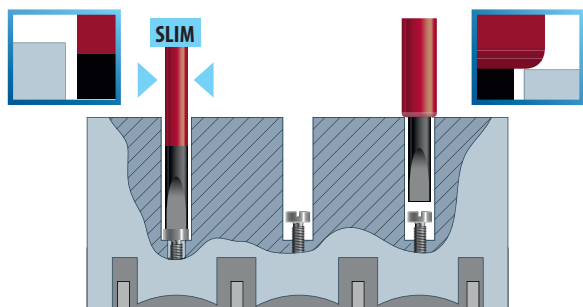
- > Individually tested, insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade
- > Tip as per DIN ISO 2380-1 Form A
- > Ergonomic 3-component handle Power-Grip<sup>3</sup> for maximum power with minimum effort

- > Type of drive marked at end of the handle
- > Hanging hole on handle for space-saving storage

Code	No.	⊖	↳ mm ↳	↳ mm ↳	⚖
1612220	VDE 2170 2,5	2,5	75	160	0,038
1612239	VDE 2170 3	3,0	100	185	0,042
1612247	VDE 2170 3,5	3,5	100	185	0,055
1612255	VDE 2170 4	4,0	100	185	0,058
1612271	VDE 2170 5,5	5,5	125	225	0,095
1612298	VDE 2170 6,5	6,5	150	260	0,134
1612301	VDE 2170 8	8,0	175	295	0,158

# i SLIM DRIVE

Easily gets where others get stuck






- Ultra-small blade diameter yet with full mechanical and electrical safety
- No problems in reaching screws deeply embedded in screw shafts
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, fully insulated blade
- 3-component handles Power-Grip<sup>3</sup> 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

**VDE 2172**  
VDE-Screwdriver SLIM DRIVE  
for slotted head screws



- > Individually tested, insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade
- > Ergonomic 3-component handle Power-Grip<sup>3</sup> for maximum power with minimum effort
- > Positive-fit joint of handle and blade for optimum transmission of force
- > Type of drive marked at end of the handle
- > Hanging hole on handle for space-saving storage

Code	No.	⊖	 mm	 mm	 kg
2824736	VDE 2172 3,5	3,5	100	185	0,055
2824744	VDE 2172 4	4,0	100	185	0,055
2824752	VDE 2172 5,5	5,5	125	225	0,100
2824760	VDE 2172 6,5	6,5	150	260	0,140

**V 2160 MS PH 2**  
Screwdriver MaVo  
for cross-head screws PH






- > Non-contact voltage finder and built-in magnetic field tester
- > Voltage fields are displayed in red and magnetic fields in green
- > 3-component handle Power-Grip<sup>3</sup>
- > Ergonomic handle design enables precise and fatigue-free working
- > Piece tested, protective insulation up to 1000 V

Code	No.	⊕ PH	 mm	 mm	 kg
2824434	V 2160 MS PH 2	2	100	210	0,14

**VDE 2160 PH**  
VDE Screwdriver  
for cross-head screws PH



- > Individually tested, insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade
- > Tip as per DIN ISO 8764-1 PH
- > Ergonomic 3-component handle Power-Grip<sup>3</sup> for maximum power with minimum effort
- > Type of drive marked at end of the handle

Code	No.	⊕ PH	 mm	 mm	 kg
1612107	VDE 2160 PH 0	0	60	145	0,039
1612115	VDE 2160 PH 1	1	80	183	0,082
1612123	VDE 2160 PH 2	2	100	210	0,119
1612131	VDE 2160 PH 3	3	150	270	0,188
1612158	VDE 2160 PH 4	4	200	320	0,269

**VDE 2160 PZ**




VDE Screwdriver

for cross-head screws Pozi PZ



- > Individually tested, insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade
- > Tip as per DIN ISO 8764-1 PZ

- > Ergonomic 3-component handle Power-Grip<sup>3</sup> for maximum power with minimum effort
- > Type of drive marked at end of the handle

Code	No.	PZ			
1612166	VDE 2160 PZ 0	0	60	145	0,038
1612182	VDE 2160 PZ 1	1	80	180	0,082
1612190	VDE 2160 PZ 2	2	100	210	0,120
1612204	VDE 2160 PZ 3	3	150	270	0,188
1612212	VDE 2160 PZ 4	4	200	320	0,270

**VDE 2162 PH**




VDE-Screwdriver SLIM DRIVE

for cross-head screws PH



- > Individually tested, insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade
- > Ergonomic 3-component handle Power-Grip<sup>3</sup> for maximum power with minimum effort

- > Type of drive marked at end of the handle
- > Ultra-small blade diameter yet with full mechanical and electrical safety
- > Hanging hole on handle for space-saving storage

Code	No.	⊕ PH			
2824442	VDE 2162 PH 1	1	80	180	0,10
2824450	VDE 2162 PH 2	2	100	210	0,14

**VDE 2162 PZ**




VDE-Screwdriver SLIM DRIVE

for cross-head screws Pozi PZ



- > Individually tested, insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade
- > Ergonomic 3-component handle Power-Grip<sup>3</sup> for maximum power with minimum effort

- > Type of drive marked at end of the handle
- > Ultra-small blade diameter yet with full mechanical and electrical safety
- > Hanging hole on handle for space-saving storage

Code	No.	PZ			
2824469	VDE 2162 PZ 1	1	80	180	0,10
2824477	VDE 2162 PZ 2	2	100	210	0,14

**VDE 2162-2172 PH-02**

VDE Screwdriver set SLIM DRIVE

2 pieces



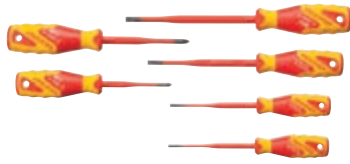
- > For slotted and cross-head screws PH
- > Ultra-small blade diameter yet with full mechanical and electrical safety
- > Insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade

- > Ergonomic 3-component handle Power-Grip<sup>3</sup> for maximum power with minimum effort
- > Hanging hole on handle for space-saving storage

Code	No.	Contents	Pieces	
2928736	VDE 2162-2172 PH-02	VDE 2172 3.5 VDE 2162 PH 2	2	0,195

Insulated tools

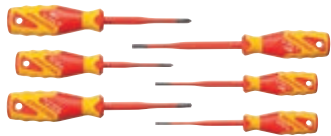
**VDE 2162-2172 PZ-06**  
VDE Screwdriver set SLIM DRIVE  
6 pieces



- > For slotted and cross-head screws PZ
  - > Ultra-small blade diameter yet with full mechanical and electrical safety
  - > Insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade
- > Ergonomic 3-component handle Power-Grip<sup>3</sup> for maximum power with minimum effort

Code	No.	Contents	Pieces	
2928728	VDE 2162-2172 PZ-06	VDE 2172 3.5 4 5.5 6.5 VDE 2162 PZ 1 2	6	0,59

**VDE 2162-2172 PM-06**  
VDE Screwdriver set SLIM DRIVE  
6 pieces



- > For slotted, cross-head PH and plus-minus screws
  - > Ultra-small blade diameter yet with full mechanical and electrical safety
  - > Insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade
- > Ergonomic 3-component handle Power-Grip<sup>3</sup> for maximum power with minimum effort
  - > Hanging hole on handle for space-saving storage

Code	No.	Contents	Pieces	
2928701	VDE 2162-2172 PM-06	VDE 2172 3.5 4 5.5 VDE 2162 PH1 2 VDE 2164 SL/PH2	6	0,59

**VDE 2164**  
VDE-Screwdriver SLIM DRIVE PlusMinus  
for Plus-Minus screws



- > Individually tested, insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade
  - > Ergonomic 3-component handle Power-Grip<sup>3</sup> for maximum power with minimum effort
- > Type of drive marked at end of the handle
  - > Ultra-small blade diameter yet with full mechanical and electrical safety
  - > Hanging hole on handle for space-saving storage

Code	No.	⊕ PH	mm	mm	
2824817	VDE 2164 SL/PH1	1	80	180	0,10
2824825	VDE 2164 SL/PH2	2	100	210	0,14

**VDE 2163 K**  
VDE Screwdriver  
for in-hex screws, with ball end



- > Individually tested, insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade
  - > Ergonomic 3-component handle Power-Grip<sup>3</sup> for maximum power with minimum effort
- > Type of drive marked at end of the handle
  - > Working angle approx. 25° in each direction
  - > Hanging hole on handle for space-saving storage

Code	No.	⬡	mm	mm	
2824485	VDE 2163 K 2,5	2,5	75	160	0,055
2824493	VDE 2163 K 3	3	75	160	0,055
2824515	VDE 2163 K 5	5	75	175	0,100
2824523	VDE 2163 K 6	6	100	210	0,140
2824531	VDE 2163 K 8	8	100	220	0,222



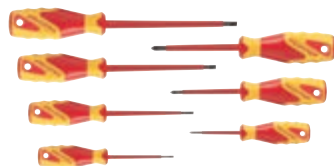
**VDE 2163 TX**  
VDE Screwdriver  
for recessed TX head screws



- > Individually tested, insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade
- > Ergonomic 3-component handle Power-Grip<sup>3</sup> for maximum power with minimum effort
- > Type of drive marked at end of the handle
- > Hanging hole on handle for space-saving storage

Code	No.	⊕	l - mm	kg	Code	No.	⊕	l - mm	kg
2824558	VDE 2163 TX T5	T5	145	0,055	2824639	VDE 2163 TX T20	T20	180	0,100
2824574	VDE 2163 TX T6	T6	145	0,100	2824647	VDE 2163 TX T25	T25	180	0,100
2824582	VDE 2163 TX T7	T7	145	0,100	2824655	VDE 2163 TX T27	T27	210	0,100
2824590	VDE 2163 TX T8	T8	145	0,100	2824663	VDE 2163 TX T30	T30	210	0,140
2824604	VDE 2163 TX T9	T9	145	0,100	2824671	VDE 2163 TX T40	T40	270	0,140
2824612	VDE 2163 TX T10	T10	145	0,100	2824698	VDE 2163 TX T45	T45	270	0,222
2824620	VDE 2163 TX T15	T15	180	0,100					

**VDE 2170-2160 PH-077**  
VDE Screwdriver set  
7 pieces



- > For slotted and cross-head screws PH
- > Insulated up to 1000 V, according to EN 60900/IEC 60900, fully insulated blade
- > Ergonomic 3-component handle Power-Grip<sup>3</sup> for maximum power with minimum effort
- > Positive-fit joint of handle and blade for optimum transmission of force

Code	No.	Contents	Pieces	kg
1616048	VDE 2170-2160 PH-077	VDE 2170 2.5 4 5.5 6.5 mm VDE 2160 PH 0 1 2	7	0,575

**VDE 4616**  
Voltage tester 1000 V



- > Voltage 12 V - 1000 V AC/ DC (LED)
- > Acoustic and optical continuity test up to 100 Ω (buzzer/ yellow LED)
- > Direct display without push button operation (high resistance test)
- > Load connection via push-buttons (low-impedance test)
- > Non-contact phase tester/cable break detector (yellow LED flashing)
- > Protection classification IP65, dust-proof, hose-proof
- > Tested and approved acc. to DIN EN 61243-3, VDE 0682-401:2015
- > Over voltage category CAT IV 600 V, CAT III 1000 V

Code	No.	kg
3032744	VDE 4616	0,425

**4615**  
Voltage tester



- > For 220-250 Volt AC
- > Blade nickel-plated, fully insulated blade conforming to DIN VDE 0680-6
- > No. 4615 3 with metal clip and yellow cap

Code	No.	⊖	l - mm	l - mm	kg
6699110	4615 3	3,0	60	140	0,022
6699380	4615 3,5	3,5	90	140	0,037

**NEW**

**VDE 8092 H**  
VDE Cable shears



- > For cutting multi-core copper and aluminium cables up to max. 50 mm<sup>2</sup> or up to a Ø of 10 mm
- > Handles with VDE insulating sleeves up to 1000 V, acc. to EN 60900/IEC 60900
- > Precision ground for optimum action, new cutting-edge geometry

- > Not suitable for steel wire and hard-drawn copper conductors
- > Hardness 55 HRC
- > Special hardened and tempered steel, forged and ground

Code	No.	mm <sup>2</sup>	Ø	↳ mm ↲	↳ inch ↲	⚖️
3412407	VDE 8092-160 H	50	10	169	6 2/3"	0,21

**V 180**  
Cable shears



- > Cuts copper and aluminium cables up to 27 mm Ø, solid 200 mm<sup>2</sup>

- > Piece tested, protective insulation up to 1000 V

Code	No.	mm <sup>2</sup>	Ø	↳ mm ↲	⚖️
6430330	V 180 23	200	27	620	2,125

**V 8091**  
Cable cutter



- > For cutting copper and aluminium cables
- > piece tested, protective insulation up to 1000 V
- > No. V 8091-320: Single-wire cables max. Ø 25 mm (1"), multi-wire cables max. Ø 32 mm (1.1/4")

- > No. V 8091-500: Stranded cables max. Ø 52 mm (2.1/32")



Code	No.	↳ mm ↲	⚖️
6725130	V 8091-320	280	0,792
6725210	V 8091-500	280	0,999

**VDE 183**  
VDE-Plier wrench



- > Adjustable, universal tool for wrenching work, bending, holding, pressing and gripping
- > Smooth jaws for gentle gripping of surface-sensitive workpieces (e.g. chrome-plated screw connections, bathroom fittings)
- > Function of an open-end ratchet

- > Unique functional jaw holder, e.g. for protective jaws
- > 21 setting positions and quick adjustment with automatic engagement function
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900, 2-fold Check-Tool insulation
- > DIN ISO 5743/IEC 60900

Code	No.	Size	↳ mm ↲	Ⓜ mm	⚖️
3066088	VDE 183 10	10"	250	50	0,665

**VDE 8094**  
VDE Cable shears  
with VDE dipped insulation



- > For cutting multi-core copper and aluminium cables up to Ø 20 mm
- > The diameter increases to Ø 25 mm when using rough and finish cuts
- > The handle width remains within the range of ergonomic single-hand operation

- > Cutting edges additionally inductively hardened
- > Not suitable for steel wire and hard copper
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Immersion insulation: 2-fold Check-Tool insulation

Code	No.	mm <sup>2</sup>	Ø	↳ mm ↲	↳ inch ↲	⚖️
6725050	VDE 8094	70	20	200	8.1/2	0,423

**VDE 8098**

VDE Stripping pliers,  
with VDE dipped insulation



- > Opens automatically, with spring and adjusting screw
- > V-shaped cutting jaws for stripping the plastic insulation of single- and multi-core conductors
- > For wires from 0.8 to 6.0 mm<sup>2</sup>

- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Immersion insulation: 2-fold Check-Tool insulation

Code	No.	L	L3	W3	T1	mm <sup>2</sup>	
6708980	VDE 8098-160	160	43,5	18,5	8,5	0,8-6,0	0,217

**VDE 8098 H**

VDE Stripping pliers,  
with VDE insulating sleeves



- > Opens automatically, with spring and adjusting screw
- > V-shaped cutting jaws for stripping the plastic insulation of single- and multi-core conductors
- > For wires from 0.8 to 6.0 mm<sup>2</sup>

- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Sleeve insulation

Code	No.	L	L3	W3	T1	mm <sup>2</sup>	
1552074	VDE 8098-160 H	160	43,5	18,5	8,5	0,8-6,0	0,204

**VDE 8099**

VDE Stripping pliers STRIP-FIX  
with VDE dipped insulation



- > Self-adjusting, for wires 0.5 - 5.0 mm<sup>2</sup>
- > V-shaped cutting jaws for stripping the plastic insulation of single- and multi-core conductors

- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Immersion insulation: 2-fold Check-Tool insulation

Code	No.	↳ mm ↳	↳ inch ↳	mm <sup>2</sup>	
6709600	VDE 8099-160	160	6.1/2	0,5-5,0	0,226

**VDE 8099 H**

VDE Stripping pliers STRIP-FIX  
with VDE insulating sleeves



- > Self-adjusting, for wires 0.5 - 5.0 mm<sup>2</sup>
- > V-shaped cutting jaws for stripping the plastic insulation of single- and multi-core conductors

- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Sleeve insulation

Code	No.	↳ mm ↳	↳ inch ↳	mm <sup>2</sup>	
1552082	VDE 8099-160 H	160	6.1/2	0,5-5,0	0,211

**VDE 146**

VDE Universal pliers  
7 settings



- > With safety box joint and protection against blocking
- > Automatic clamping with offset gripping surfaces

- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Immersion insulation: 2-fold Check-Tool insulation

Code	No.	↳ mm ↳	mm	
6120140	VDE 146 10	250	31	0,485

Insulated tools

**VDE 8131 AB**

VDE Multiple pliers  
with VDE insulating sleeves, angled pattern

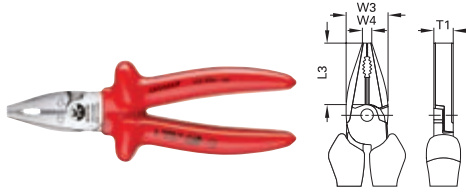


- > Pliers in VDE design especially adapted to the needs of electricians
- > Cable cutter, cables up to 5x2.5 mm<sup>2</sup> or Ø 12 mm
- > Stripping blades for wires 1.5 mm<sup>2</sup> and 2.5 mm<sup>2</sup>
- > Crimping profile: Crimping of ferrules
- > Serrated gripping surface
- > Curved pliers tip
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Sleeve insulation

Code	No.	mm	kg
2910845	VDE 8131 AB-200 H	200	0,217

**VDE 8250**

VDE Heavy duty combination pliers,  
with VDE dipped insulation



- > Individually tested
- > For round and flat material
- > Extra long blades
- > Induction-hardened precision cutting edges, hardness 62 - 64 HRC
- > For all wire types including piano wire, 1.6 mm
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Immersion insulation: 2-fold Check-Tool insulation

Code	No.	L	L3	W3	W4	T1	kg
1429582	VDE 8250-160	160	35	22,8	6,0	10,4	0,236
6720090	VDE 8250-180	180	38,5	25,6	6,5	11,0	0,312
6720250	VDE 8250-200	200	40	27,0	6,0	12,0	0,365
6720330	VDE 8250-225	225	42	27,7	6,0	13,0	0,485

**VDE 8250 H**

VDE Heavy duty combination pliers,  
with VDE insulating sleeves



- > Individually tested
- > For round and flat material
- > Extra long blades
- > Induction-hardened precision cutting edges, hardness 62 - 64 HRC
- > For all wire types including piano wire, 1.6 mm
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Sleeve insulation

Code	No.	L	L3	W3	W4	T1	kg
1550942	VDE 8250-160 H	160	35	22,8	5,8	10,4	0,228
1550950	VDE 8250-180 H	180	38,5	25,6	6,5	11,0	0,288
1550969	VDE 8250-200 H	200	39,5	27,0	6,5	12,4	0,369

**VDE 8314**

VDE Side cutter  
with VDE dipped insulation

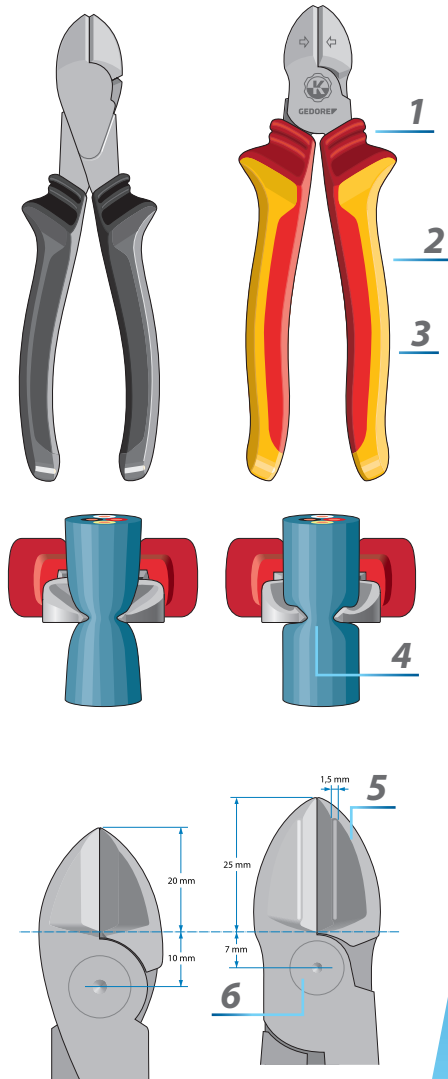


- > Acc. to DIN ISO 5749
- > With slender head, ideal for confined spaces
- > For medium-hard wire 1.6 mm
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Immersion insulation: 2-fold Check-Tool insulation

Code	No.	L	L3	W3	T1	Ø	kg
6743540	VDE 8314-140	140	18,5	18,5	9,5	1,6	0,199
6743620	VDE 8314-160	160	19	22,0	10,0	1,6	0,253

# i (VDE) 8314-180

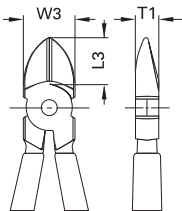
Particularly suitable for electrical installation work



- 1** Safety when used under voltages thanks to the long, insulated handle with non-slip mechanism
- 2** Long contoured handle for a heightened transfer of force and improved stable hold particularly with large cable diameters
- 3** Convex handle shape for a high force build-up\*
- 4** Longer XL cutting edges than comparable side cutters cables allow cables to be cut from a 0 up to 15 mm (5x2,5 mm<sup>2</sup>)
- 5** Stepped cutting edges make "cutting" easier and protect the cutting material
- 6** Power side cutter thanks to a marked transfer of the pivot to the cutter

\* Crowned surfaces/handles - i.e. which are hardly rounded - prevent unfavourable, punctual peak forces. As a result, the force is evenly spread across your hand.

VDE 8314-180 H  
VDE Power side cutter  
with VDE insulating sleeves



- > With slender head, ideal for confined spaces
- > For medium-hard wire 1.6 mm
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900

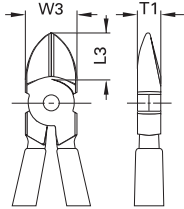
> Sleeve insulation

Code	No.	L	L3	W3	T1	Ø	
2910950	VDE 8314-180 H	180	25	26,0	11,0	1,6	0,297

Insulated tools

VDE 8314 H

VDE Side cutter  
with VDE insulating sleeves



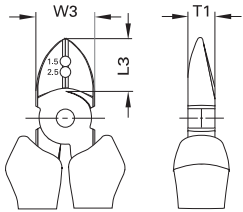
- > With slender head, ideal for confined spaces
- > For medium-hard wire 1.6 mm
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900

> Sleeve insulation

Code	No.	L	L3	W3	T1	Ø	
1552155	VDE 8314-140 H	140	18,5	18,5	9,5	1,6	0,177
1552163	VDE 8314-160 H	160	19	22,0	10,0	1,6	0,231

VDE 8315 H

VDE Electricians' side cutter  
with VDE insulating sleeves



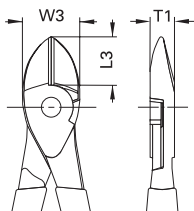
- > Double-function electricians' side cutters: for cutting and stripping wire
- > Stripping holes for solid and stranded conductors with 1.5 mm<sup>2</sup> and 2.5 mm<sup>2</sup> conductor cross-section

> Protective insulation up to 1000 V, according to EN 60900/IEC 60900  
> Sleeve insulation

Code	No.	L	L3	W3	T1	Ø	mm <sup>2</sup>	
1742582	VDE 8315-160 H	160	19	22,0	10,0	1,6	1,5 and 2,5 mm <sup>2</sup>	0,231

VDE 8316

VDE Power side cutter  
with VDE dipped insulation



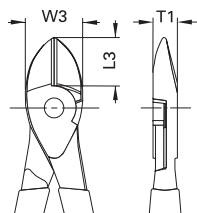
- > For hard wire/piano wire
- > Max. cutting capacity Ø 1.8 - 2.0 mm
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900

> Immersion insulation: 2-fold Check-Tool insulation

Code	No.	L	L3	W3	T1	Ø	
1429590	VDE 8316-180	180	22,6	26,0	11,0	1,8	0,285
6742570	VDE 8316-200	200	22	28,0	11,0	2,0	0,341

**VDE 8316 H**

VDE Power side cutter  
with VDE insulating sleeves



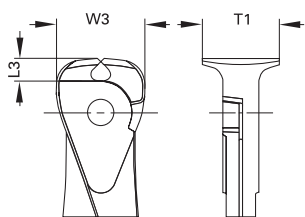
- > For hard wire/piano wire
- > Max. cutting capacity Ø 1.4 - 2.0 mm
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900

> Sleeve insulation

Code	No.	L	L3	W3	T1	Ø	
1550993	VDE 8316-180 H	180	22,6	26,0	11,0	1,8	0,267
1551000	VDE 8316-200 H	210	22	28,0	11,0	2,0	0,344

**VDE 8367**

VDE Heavy duty end cutting nippers



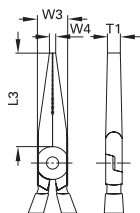
- > High leverage for easier work
- > For hard wire/piano wire 1.6 mm
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900

> Immersion insulation: 2-fold Check-Tool insulation

Code	No.	L	L3	W3	T1	Ø	
2324830	VDE 8367-160	160	6,9	27,0	23,5	1,6	0,22

**VDE 8120**

VDE Flat nose pliers  
with VDE dipped insulation



- > With long jaws, serrated gripping faces
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900

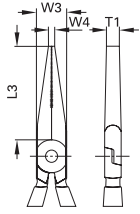
> Immersion insulation: 2-fold Check-Tool insulation

Code	No.	L	L3	W3	W4	T1	
6715330	VDE 8120-160	160	51	16,5	3,4	9,0	0,185

Insulated tools

VDE 8120 H

VDE Flat nose pliers  
with VDE insulating sleeves



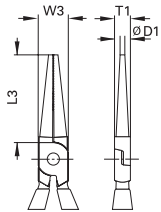
- > With long jaws, serrated gripping faces
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900

- > Sleeve insulation

Code	No.	L	L3	W3	W4	T1	
1552090	VDE 8120-160 H	170	51	16,5	3,4	9,0	0,175

VDE 8122

VDE Round nose pliers  
with VDE dipped insulation



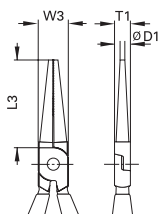
- > With long jaws, serrated gripping faces
- > For gripping and bending
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900

- > Immersion insulation: 2-fold Check-Tool insulation

Code	No.	L	L3	W3	D1	T1	
6717110	VDE 8122-160	160	48	16,5	2,5	8,7	0,17

VDE 8122 H

VDE Round nose pliers  
with VDE insulating sleeves



- > With long jaws, serrated gripping faces
- > For gripping and bending
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900

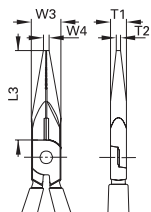
- > Sleeve insulation

Code	No.	L	L3	W3	D1	T1	
1552104	VDE 8122-160 H	160	48	16,5	2,5	8,7	0,154



**VDE 8132**

VDE Telephone pliers  
with immersion insulation, straight



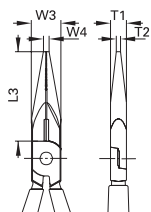
- > Long, flat-round jaws, straight gripping faces, serrated
- > For holding, gripping, bending and cutting

- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Immersion insulation: 2-fold Check-Tool insulation

Code	No.	L	L3	W3	W4	T1	T2	
6721570	VDE 8132-160	160	50	16,5	3,2	9,0	2,5	0,193
6721650	VDE 8132-200	200	75,7	3,7	3,7	9,5	2,8	0,248

**VDE 8132 H**

VDE Telephone pliers  
with sheath insulation, straight



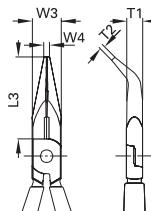
- > Long, flat-round jaws, straight gripping faces, serrated
- > For holding, gripping, bending and cutting

- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Sleeve insulation

Code	No.	L	L3	W3	W4	T1	T2	
1552112	VDE 8132-160 H	160	50	16,5	3,2	9,0	2,5	0,164
1552120	VDE 8132-200 H	200	75,7	18,5	3,7	9,5	2,8	0,235

**VDE 8132 AB**

VDE Telephone pliers  
with immersion insulation, angled



- > Long, flat-round jaws, straight gripping faces, serrated
- > Tips 45° angled

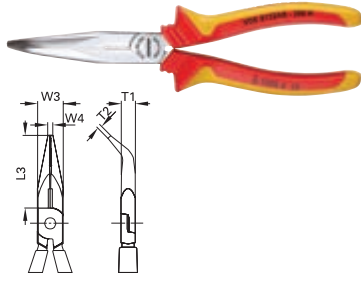
- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Immersion insulation: 2-fold Check-Tool insulation

Code	No.	L	L3	W3	W4	T1	T2	
6721730	VDE 8132 AB-160	160	46	16,5	3,2	9,0	2,5	0,177
6721810	VDE 8132 AB-200	200	70,5	18,5	3,7	9,5	2,8	0,252

Insulated tools

VDE 8132 AB H

VDE Telephone pliers  
with VDE insulating sleeves, angled pattern



- > Long, flat-round jaws, straight gripping faces, serrated
- > Tips 45° angled

- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Sleeve insulation

Code	No.	L	L3	W3	W4	T1	T2	
1552139	VDE 8132 AB-160 H	160	46	16,5	3,2	9,0	2,5	0,173
1552147	VDE 8132 AB-200 H	200	70,5	18,5	3,7	9,5	2,8	0,235

VDE S 8003

VDE Pliers set with  
VDE dipped insulation  
3 pieces



- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Immersion insulation: 2-fold Check-Tool insulation

Code	No.	Contents	Pieces	
6708120	VDE S 8003	VDE 8132-160 VDE 8250-180 VDE 8314-160	3	0,76

VDE S 8003 H

VDE Pliers set with  
VDE insulating sleeves  
3 pieces



- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Sleeve insulation

Code	No.	Contents	Pieces	
1550594	VDE S 8003 H	VDE 8132-160 H VDE 8250-180 H VDE 8314-160 H	3	0,747

1101-003 VDE

VDE Tool set  
in i-BOXX® 72, 8 pieces



- > Individually tested, insulated up to 1000 V, according to EN 60900/IEC 60900, except voltage tester No. 4615
- > In GEDORE i-BOXX® 72

Code	No.	Contents	Pieces	
1828045	1101-003 VDE	VDE 8132-200 H VDE 8250-180 H VDE 8314-160 H VDE 2170 4 5.5 VDE 2160 PH 1 2 4615 3	8	2,3

1102-002 VDE

VDE Pliers set  
3 pieces



- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Sleeve insulation
- > In GEDORE L-BOXX® Mini, incl. divider set

Code	No.	Contents	Pieces	
1692291	1102-002 VDE	VDE 8132-160 H VDE 8250-180 H VDE 8314-160 H	3	0,92

**1102-004 VDE**

VDE Pliers set  
3 pieces

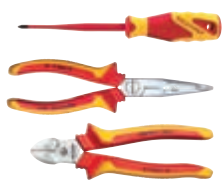


- > Protective insulation up to 1000 V, according to EN 60900/IEC 60900
- > Sleeve insulation
- > In GEDORE L-BOXX® Mini, incl. divider set

Code	No.	Contents	Pieces	kg
1708244	1102-004 VDE	VDE 8098-160 H VDE 8250-180 H VDE 8314-160 H	3	0,95

**1102-005 VDE**

VDE Pliers set  
3 pieces



- > Insulated up to 1000 V, according to EN 60900/IEC 60900
- > Sleeve insulation
- > With VDE Impact diagonal cutter and VDE multiple nose pliers
- > In GEDORE L-BOXX® Mini, including range of dividers

Code	No.	Contents	Pieces	kg
2951762	1102-005 VDE	VDE 8314-180 H VDE 8131 AB-200 H VDE 2162 PZ 1	3	0,955

**1102-006 VDE**

VDE Tool set  
4 pieces



- > Insulated up to 1000 V, according to EN 60900/IEC 60900
- > For all usual electric master cabinets incl. multi fitting key
- > In GEDORE L-BOXX® Mini, incl. divider set

Code	No.	Contents	Pieces	kg
2951770	1102-006 VDE	VDE 8131 AB-200 H VDE 2172 3,5 VDE 2164 SL/PH 2 45 E	4	0,86

**VDE 1001**

VDE Tool set  
12 pieces



- > With practical foam insert in sturdy PVC case

- > Dimensions: 395 x 295 x 106 mm

Code	No.	Contents	Pieces	kg
6602560	VDE 1001	VDE 19 10 12 13 14 17 19 22 24 VDE 1993 U VDE 1990-5-10 VDE 2170 5.5	12	3,10

**1041-003**

VDE Tool assortment in case  
74 pieces



- > A practical assortment for on-site use
- > Packed in a strong plastic case made from impact-proof ABS

- > Sturdy aluminium frame

Code	No.	Contents	Pieces	
3082156	1041-003	Combination wrench No. 7, 10 13 17 19 22 mm 1/4" Adjustable open-end wrench No. 60 P 8, 8" Bit socket wrench box No. 666-U-20, with ratchet 35 pcs Offset screwdriver set No. PH 42-88, 2 2.5 3 4 5 6 8 10 mm VDE Screwdriver slot No. VDE 2170, 3 3.5 4 5.5 6.5 8 mm VDE Screwdriver cross-head No. 2160 PH 0 1 2 VDE Wire stripper VDE 8098-160 H VDE Multi-pliers No. VDE 8131 AB-200 H VDE Power combination pliers No. VDE 8250-180 H VDE Power side cutters No. VDE 8316-180 H VDE Universal pliers No. VDE 146 10, 10" VDE Cable knife No. VDE 4522, 180 mm Cable knife No. 0513-09, blade L.90mm Voltage Detector Slot No. 4615 3, 220-250V, 3mm Non-return soft-face and engineer's hammer KOMBI-PLUS R 247 H-30 Percussion tool set No. 106, 6 pcs. Steel tape measure No. 4534-3, tape L. 3 m Volume tool case WK 1041 L	74	10,3

**KL-4600-3004**

**SELF-CLAMPING CAP**  
20 mm diameter, 85 mm long

**NEW**



- Universally used for hybrid and electric vehicles
- For easy covering and protection of live cable ends provides protection against accidental contact
- RED dip insulated
- IEC 60900 standard
- 1000V (double triangle) approval
- 10-way safety

Code	No.	Diameter	Length
3433145	KL-4600-3004	20 mm	85 mm

**KL-4600-30..**

**ASSEMBLY TWEEZERS, INSULATED**



**NEW**

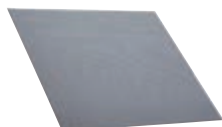
- Universally used for hybrid and electric vehicles
- For safe working on the vehicle, provides protection against accidental contact with live parts
- RED dip insulated
- IEC 60900 standard

Code	No.	Variant	Length	Approval	Unit-tested
3433129	KL-4600-3002	bent	150 mm	1000V (double triangle)	10-way safety
3433137	KL-4600-3003	straight	145 mm	1000V (double triangle)	10-way safety

**VDE 910**  
 VDE Rubber  
 cover sheet


- > VDE protective equipment according to VDE 0680 part 1
- > Thickness: 1.6 mm
- > Rolled storage prevents from cracking!

Code	No.	L	W	
<b>1826816</b>	VDE 910 13	130	130	0,04
<b>1826832</b>	VDE 910 25	250	350	0,21
<b>1827030</b>	VDE 910 50	500	500	0,43
<b>1828193</b>	VDE 910 60	600	600	0,70
<b>1828207</b>	VDE 910 100	1.000	1.000	1,80
<b>1828215</b>	VDE 910 120	1.200	1.200	2,95

**VDE 911**  
 VDE Insulation mat


- > VDE protective equipment according to VDE 0303
- > Thickness: 4.5 mm
- > Rolled storage prevents from cracking!

Code	No.	L	W	
<b>1828258</b>	V 911 100	1.000	1.000	6
<b>1828266</b>	V 911 1000	10.000	1.000	60

**VDE 912**  
 VDE-electricians'  
 safety-gloves


- > Acc. to DIN EN 60903
- > Made of natural latex
- > Suitable up to 1000 V

Code	No.	
<b>1828274</b>	V 912 9	0,215
<b>1828282</b>	V 912 10	0,215

**V 915**  
 NH-Fuse insertion  
 glove with sleeve


- > To work on NH fuse inserts sizes 00 to 3
- > To insert and remove low-tension high-performance fuses (NH fuse inserts)
- > With contact blades to DIN 43620 Part 1, sizes 00 - 3 for nominal voltage to 600 V alternating voltage

Code	No.	
<b>2661314</b>	V 915	0,46

Insulated tools

V 913  
VDE Plastic clamp



- > For fixing and joining plastic clamps
- > Inserted steel spring which externally cannot be accessed
- > Suitable up to 1000 V

Code	No.	↳ mm ▷	⚖️
1828304	V 913 80	80	0,030
1828312	V 913 160	160	0,075

VDE 914  
Meter connection fittings



- > For insulating single cores
- > Conical form
- > Made of tough elastic plastic
- > No. V 914 3 with marking 3

Code	No.	↳ mm ▷	∅	⚖️
2324938	V 914 1	80	10,0	0,005
2324946	V 914 2	80	10,0	0,005
2324954	V 914 3	80	10,0	0,005

V 917  
Cable splitting wedge



- > Insulated according to IEC 60900
- > Suitable for mounting cable feeder terminals and splaying primary conductor cables
- > Assistance when cutting cable cores, no slipping

Code	No.	⚖️
2661462	V 917	0,16

VDE 4522  
VDE-Cable knife



- > Strong, straight blade made from hardened and tempered steel
- > With blade protector
- > Insulated up to 1000 V, according to EN 60900/ IEC 60900

Code	No.	⚙️	🔪	⚖️
6690400	VDE 4522	50	180	0,104

VDE 4527  
VDE-Cable knife with hooked blade



- > For slitting and stripping damp-proof installation cables
- > With blade protector
- > Insulated up to 1000 V, according to EN 60900/ IEC 60900




Code	No.	⚙️	🔪	⚖️
6698490	VDE 4527	40	203	0,098

4528

Universal cable knife



- > For stripping round cables, 4 - 28 mm
- > Hooked blade for separating cable strips and flat cables
- > Automatic changeover of the blade from round to longitudinal cut without putting down the knife
- > The cutting depth of the pivoting internal knife is adjustable


Code	No.			
6698300	4528	50	170	0,155

E-4528

Spare blades



- > The cutting depth of the pivoting internal knife is adjustable

Code	No.	
1448161	E-4528	0,005

4629

Insulating tape




Code	No.	L m	<u>mm</u>	
6699540	4629	10	15	0,032

V 406

Small saw for metal


 1000 V

- > For pinned hacksaw blades, 148 mm
- > Suitable up to 1000 V

Code	No.	$\llcorner$ mm $\triangleright$	
6120060	V 406	265	0,229

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# 1000 VOLT

# GEDORE

## UNCOMPROMISING PROTECTION



### **GEDORE red**

As a product line of the GEDORE brand, we have the highest expectations of our work. The comprehensive range of GEDORE red appeals for its functionality, ease of use and durability. The stringent product standards underpinned by GEDORE's quality undertaking provide the common element that runs through our entire range of tools.



**R3910XXXX**

VDE Screwdriver  
for slotted head screws



- > Acc. to DIN 5264, DIN ISO 2380
- > VDE-insulated acc. to DIN EN 60900
- > Moulded handle forms a firm unit with the blade

- > 5-edge handle head stops it rolling off when put down

Code	No.	⊖	l - mm - l	l - mm - l	kg
<b>3301400</b>	R39102514	2,5	75	145	0,030
<b>3301401</b>	R39100319	3,0	100	170	0,036
<b>3301402</b>	R39100419	4,0	100	210	0,071
<b>3301403</b>	R39105524	5,5	125	235	0,091

**R3920XXXX**

VDE Screwdriver  
for cross-head screws PH



- > Acc. to DIN 7438, DIN ISO 8764
- > VDE-insulated acc. to DIN EN 60900
- > Moulded handle forms a firm unit with the blade

- > 5-edge handle head stops it rolling off when put down

Code	No.	⊕ PH	l - mm - l	l - mm - l	kg
<b>3301404</b>	R39200115	1	80	180	0,070
<b>3301405</b>	R39200219	2	100	210	0,105

**R3930XXXX**

VDE Screwdriver  
for cross-head screws PZ



- > Acc. to DIN 7438, DIN ISO 8764
- > VDE-insulated acc. to DIN EN 60900
- > Moulded handle forms a firm unit with the blade

- > 5-edge handle head stops it rolling off when put down

Code	No.	PZ	l - mm - l	l - mm - l	kg
<b>3301406</b>	R39300115	1	80	182	0,070
<b>3301407</b>	R39300219	2	100	210	0,104

**R2930XXXX**

VDE Combination pliers



- > Acc. to DIN ISO 5746
- > Complies with VDE 0682 Part 201 and EN/IEC 60900

- > With gripping zones for flat and round stock

Code	No.	l - mm - l	Hard wire Ø mm	kg
<b>3301408</b>	R29300180	180	1,6	0,275
<b>3301409</b>	R29300200	200	1,8	0,360

1000 V

**R29400180**  
VDE Side cutter



- > Acc. to DIN ISO 5749
- > Complies with VDE 0682 Part 201 and EN/IEC 60900

> Slim head

Code	No.	↳ mm	Piano wire Ø mm	⚖️
3301410	R29400180	180	1,6	0,280

**R29500200**  
VDE Telephone pliers



- > Acc. to DIN ISO 5745
- > Complies with VDE 0682 Part 201 and EN/IEC 60900

> Straight grip surfaces, lengthways-serrated

Code	No.	↳ mm	Hard wire Ø mm	⚖️
3301411	R29500200	200	1,8	0,260

**R29510200**  
VDE Telephone pliers offset



- > Acc. to DIN ISO 5746
- > Complies with VDE 0682 Part 201 and EN/IEC 60900

> 45° angled grip surfaces, lengthways-serrated

Code	No.	↳ mm	Hard wire Ø mm	⚖️
3301412	R29510200	200	1,8	0,260

**R29100010**  
VDE Water pump pliers



- > Acc. to DIN ISO 8976 Form C
- > Complies with VDE 0682 Part 201 and EN/IEC 60900
- > Lengthways-serrated grip surfaces

> With box joint

Code	No.	↳ mm	mm	inch	⚖️
3301413	R29100010	250	39	10	0,393

**R39002005**VDE Tool assortment  
5 pieces**VDE screwdriver:**

- > For slotted head screws:  
Acc. to DIN 5264, DIN ISO 2380
- > For cross-head screws PH:  
Acc. to DIN 7438, DIN ISO 8764

**VDE Side cutter:**

- > Acc. to DIN ISO 5749

**VDE Telephone pliers, straight:**

- > Acc. to DIN ISO 5745

Code	No.	Contents	Pieces	
<b>3301414</b>	R39002005	VDE Screwdriver slotted 3, 5.5 mm VDE Screwdriver cross-slotted PH 2 VDE Side cutter 180 mm VDE Telephone pliers 200 mm, straight pattern	5	0,833

**R93220028**

VDE Cable knife



- > VDE-insulated acc. to DIN EN 60900
- > With sturdy, straight blade
- > Straight cutting edge
- > With protective cap

Code	No.			
<b>3301415</b>	R93220028	45	185	0,143

**R93220128**

VDE Cable knife



- > VDE-insulated acc. to DIN EN 60900
- > With sturdy, partially insulated and replaceable blade
- > Straight cutting edge
- > With integrated protective cap

Code	No.			
<b>3301416</b>	R93220128	45	185	0,095

**R93970004**

Spare blades



- > Straight cutting edge
- > Set of 4 pieces

Code	No.	
<b>3301417</b>	R93970004	0,100

**R38120000**

Universal voltage tester



- > Measures AC/DC
- > Display 6 / 12 / 24 / 50 / 120 / 230 / 400 V AC/DC
- > Protection classification IP65, dust-proof, hose-proof
- > Acc. to DIN ISO 0680

Code	No.	
<b>3301418</b>	R38120000	0,120



GEDORE Automotive GmbH  
Breslauer Straße 41  
78166 Donaueschingen · GERMANY

T +49 (0) 771 - 83223 - 0  
F +49 (0) 771 - 83223 - 90  
info.gam@gedore.com  
www.gedore-automotive.com

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A. Popluhár +421 905 483 509  
Revolučná 17, 821 04 Bratislava  
sídlo: Nádražná 34  
900 28 Ivanka pri Dunaji



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