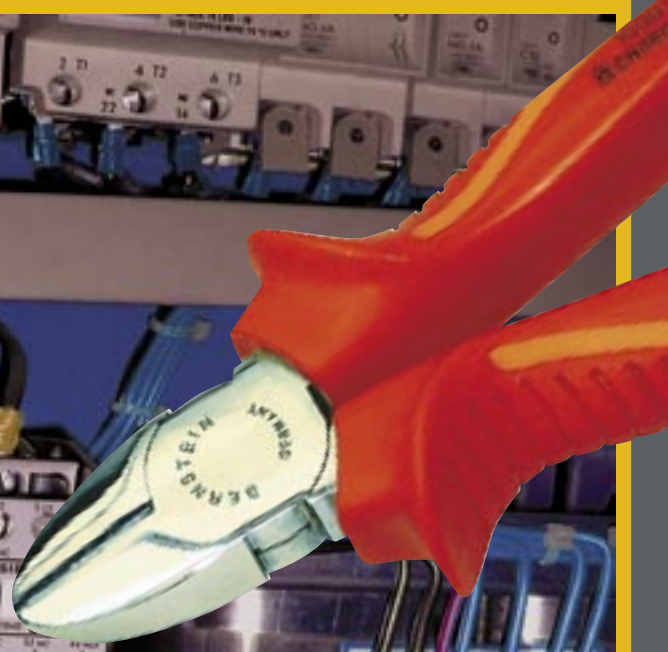


BERNSTEIN



Electronic-Tools

VDE



SAFETY 8100 VDE TOOL CASE

A case full of safety for working under voltage up to 1000 V



- 8100 **BERNSTEIN SAFETY** with tool set
- 8115 **BERNSTEIN SAFETY** without tool set

Description:

Extremely stable case made from cowhide, red safety-colour. The hinged front plate allows to grip easily the 35 tools placed in partitions and in the tray in the bottom. Behind the tool set there is a partition for protective gloves, security grip etc.. Furthermore there is a separate pocket for connection diagrams and other documents. The case has two locks. At the side it has loops for attaching a carrying strap.

Outside dimensions: 440 x 175 x 310 mm

Weight without tools: approx. 3.000 kg

Weight with tools: approx. 7.500 kg

Tool set:

BERNSTEIN safety tools are produced in accordance with specification EN 60.900 of the Association of German Electrical Engineers (VDE) - the guarantee of optimal safety. The two-colour multilayered insulation (outside red - inside yellow) allows a simple safety-control, practicable at any time: damages of the external red insulation immediately become visible by the yellow layer below.

| No. | Description of individual tools | No. | Description of individual tools |
|------------|---|------------|--|
| 4-344 VDE | Voltage tester , blade 100 x 3.5 mm | 16-444 VDE | Socket , as above, 13 mm A/F |
| 13-106 VDE | Side cutter , for piano wire, 165 mm, chrome-plated, with two-colour multilayered insulation | 16-445 VDE | Socket , as above, 14 mm A/F |
| 13-207 VDE | Telephone pliers , straight, 210 mm, chrome-plated, with two-colour multilayered insulation | 16-447 VDE | Socket , as above, 17 mm A/F |
| 13-208 VDE | Telephone pliers , bent, 205 mm, chrome-plated, with two-colour multilayered insulation | 16-448 VDE | Socket , as above, 19 mm A/F |
| 13-707 VDE | Combination pliers , 185 mm, chrome-plated, with two-colour multilayered insulation | 16-449 VDE | Socket , as above, 22 mm A/F |
| 13-806 VDE | Wire strippers , 165 mm, chrome-plated, with two-colour multilayered insulation | 16-451 VDE | Socket , as above, 24 mm A/F |
| 14-602 VDE | Screwdriver , insulated, blade 100 x 3.5 mm | 16-471 VDE | Reversible ratchet , 260 mm long, with two-colour multilayered insulation |
| 14-603 VDE | Screwdriver , insulated, blade 100 x 4.0 mm | 16-476 VDE | Rigid extension with locking device, length 125 mm, with two-colour multilayered insulation |
| 14-604 VDE | Screwdriver , insulated, blade 125 x 5.5 mm | 16-503 VDE | Single-ended open-jaw wrench , 8 mm A/F, with two-colour multilayered insulation |
| 14-606 VDE | Screwdriver , insulated, blade 150 x 6.5 mm | 16-504 VDE | Single-ended open-jaw wrench , as above, 9 mm A/F |
| 14-608 VDE | Screwdriver , insulated, blade 175 x 8.0 mm | 16-505 VDE | Single-ended open-jaw wrench , as above, 10 mm A/F |
| 14-632 VDE | Cross-recess screwdriver , insulated, size 1 | 16-506 VDE | Single-ended open-jaw wrench , as above, 11 mm A/F |
| 14-633 VDE | Cross-recess screwdriver , insulated, size 2 | 16-507 VDE | Single-ended open-jaw wrench , as above, 12 mm A/F |
| 15-522 VDE | Cable stripping knife with blade-protection, blade 35 mm | 16-508 VDE | Single-ended open-jaw wrench , as above, 13 mm A/F |
| 16-441 VDE | Socket , 10 mm A/F, with two-colour multilayered insulation | 16-509 VDE | Single-ended open-jaw wrench , as above, 14 mm A/F |
| 16-442 VDE | Socket , as above, 11 mm A/F | 17-501 VDE | Electrician's protective gloves , size 10 |
| 16-443 VDE | Socket , as above, 12 mm A/F | 17-521 VDE | Plug-in grip with leather gauntlet for NH-fuses |
| | | 17-523 VDE | Plastic clip , 170 mm long, with internal spiral spring |

MULTI 5600 ELECTRICIAN'S CASE

The handy, spacious electrician's tool case



5600 **BERNSTEIN** MULTI with tool set

5615 **BERNSTEIN** MULTI without tool set

Description:

Stable case, body made from textured ABS material, side and cover flaps made from best, black, grained cowhide. The handle is slotted through the flap, thereby distributing the load over the entire area of the cover. When opening, the side flaps are held by bands. This enables the user to survey all the tools easily.

37 tools are held by compartments, adjustable loops and a special holder. The bottom of the case is a plastic tray which may carry additional tools. The case has 2 locks.

Outside dimensions: 430 x 340 x 195 mm

Weight without tools: approx. 2.900 kg

Weight with tools: approx. 6.900 kg

Tool set:

| No. | Description of individual tools | No. | Description of individual tools |
|------------|---|-------|--|
| 3-133-1 | Side cutters , 145 mm, for hard wire, chrome-plated with BERNSTEINIT insulation | 5-271 | Workshop file , 200 mm, flat and blunt, with wooden handle |
| 3-235-1 | Telephone pliers , 160 mm, chrome-plated, with BERNSTEINIT insulation | 5-274 | Workshop file , 200 mm, half-round, with wooden handle |
| 3-575-6 | Water pump pliers , 240 mm, nickel-plated, with insulation | 5-309 | Cable-stripping scissors , 190 mm, stainless, with plastic handles |
| 3-732-1 | Combination pliers , 160 mm, chrome-plated, with BERNSTEINIT insulation | 5-501 | Cable knife |
| 3-815-1 | Wire strippers , 155 mm, chrome-plated, with BERNSTEINIT insulation | 5-505 | Wire-stripping knife for cable 8-28 mm Ø |
| 4-143 | Screwdriver to DIN 5265, with special square BERNSTEIN handle, chrome vanadium blade, chrome-plated, black tip, 125 x 5.5 mm | 6-820 | 8-pieces set offset hexagon key wrenches , 1.5 to 6 mm A/F, in plastic case |
| 4-145 | Screwdriver as above, blade 150 x 8.0 mm | 7-116 | Engineer's hammer , 300 g |
| 4-311 | Screwdriver for grub screws with plastic handle, blade made from chrome vanadium, nickel-plated, 80 x 2.8 mm | 7-202 | Firmer chisel , blade width 16 mm |
| 4-344 VDE | Voltage tester , blade 100 x 3.5 mm | 7-235 | Flat chisel CVL, DIN 7254, Type B, 200 x 27 mm |
| 14-603 VDE | Insulated screwdriver , blade 100 x 4.0 mm | 7-255 | Electrician's chisel CVL, 200 x 10 mm |
| 14-604 VDE | Insulated screwdriver as above, blade 125 x 5.5 mm | 7-303 | Twist gimlet , 3 mm Ø |
| 14-606 VDE | Insulated screwdriver as above, blade 150 x 6.5 mm | 7-306 | Twist gimlet , 6 mm Ø |
| 14-632 VDE | Insulated cross-recess screwdriver , size 1 | 7-316 | Punch , with plastic handle, 6 mm Ø |
| 14-633 VDE | Insulated cross-recess screwdriver as above, size 2 | 7-405 | Trowel , with wooden handle, blade width 50 mm |
| 5-107-6 | Steel tweezers with fine, bent tips, 150 mm, nickel-plated, strong PVC-insulated | 7-410 | Slicker trowel , with round shank, blade width 16 mm |
| 5-117-6 | Steel tweezers , straight, flat and wide, 145 mm, nickel-plated, strong PVC-insulated | 7-415 | Rubber beaker for plaster , round |
| | | 7-502 | Folding rule , 2 m |
| | | 7-535 | Spirit level , 220 mm, with 3 levels: horizontal, vertical and 45° angle |
| | | 7-616 | Pocket hack saw "Puk" with adjustable wooden handle, saw blade and plastic wallet |

VDE TOOL SETS 8150 AND 8160

Safety tools at hand in a plastic case

Description:

Black plastic case made from fracture-proof ABS material. The tools are clearly arranged in foamed plastic recesses. The case has two locks and a handle which may be turned down.

Outside dimensions: 395 x 290 x 90 mm

BERNSTEIN safety tools are produced in accordance with specification EN 60.900 of the Association of German Electrical Engineers (VDE) - the guarantee of optimal safety. The two-colour multilayered insulation, outside red - inside yellow, allows a simple safety control, practicable at any time: damages of the external red insulation immediately become visible by the yellow layer below.

8150 **BERNSTEIN** 24-piece VDE tool set

Weight with tools: 4.100 kg

| No. | Description of individual tools |
|-----|---------------------------------|
|-----|---------------------------------|

| | |
|------------|---|
| 13-106 VDE | Side cutters for piano wire , 165 mm, chrome-plated, with two-colour multilayered insulation |
| 13-708 VDE | Combination pliers , 205 mm, chrome-plated, with two-colour multilayered insulation |
| 14-601 VDE | Screwdriver , insulated, blade 75 x 2.5 mm |
| 14-606 VDE | Screwdriver , insulated, blade 150 x 6.5 mm |
| 14-632 VDE | Cross-recess screwdriver , insulated, size 1 |
| 14-633 VDE | Cross-recess screwdriver , insulated, size 2 |
| 15-521 VDE | Cable knife with blade protection, blade length 50 mm |
| 15-522 VDE | Cable stripping knife with blade protection, blade length 35 mm |
| 16-441 VDE | Socket , 10 mm A/F, with two-colour multilayered insulation |
| 16-442 VDE | Socket , as above, 11 mm A/F |
| 16-443 VDE | Socket , as above, 12 mm A/F |
| 16-444 VDE | Socket , as above, 13 mm A/F |
| 16-445 VDE | Socket , as above, 14 mm A/F |
| 16-447 VDE | Socket , as above, 17 mm A/F |
| 16-448 VDE | Socket , as above, 19 mm A/F |
| 16-475 VDE | T-bar , 1/2" square drive, 200 mm, with two-colour multilayered insulation |
| 16-505 VDE | Single-ended open-jaw wrench , 10 mm A/F, with two-colour multilayered insulation |
| 16-506 VDE | Single-ended open-jaw wrench , as above, 11 mm A/F |
| 16-507 VDE | Single-ended open-jaw wrench , as above, 12 mm A/F |
| 16-508 VDE | Single-ended open-jaw wrench , as above, 13 mm A/F |
| 16-509 VDE | Single-ended open-jaw wrench , as above, 14 mm A/F |
| 16-512 VDE | Single-ended open-jaw wrench , as above, 17 mm A/F |
| 16-513 VDE | Single-ended open-jaw wrench , as above, 19 mm A/F |
| 17-531 VDE | Voltage tester 'Steinel Volt Check 3' |

8160 **BERNSTEIN** 12-piece VDE tool set

Weight with tools: 2.800 kg

| No. | Description of individual tools |
|-----|---------------------------------|
|-----|---------------------------------|

| | |
|------------|---|
| 13-106 VDE | Side cutters for piano wire , 165 mm, chrome-plated, with two-colour multilayered insulation |
| 13-207 VDE | Telephone pliers , straight, 210 mm, chrome-plated, with two-colour multilayered insulation |
| 13-707 VDE | Combination pliers , 185 mm, chrome-plated, with two-colour multilayered insulation |
| 13-806 VDE | Wire strippers , 165 mm, chrome-plated, with two-colour multilayered insulation |
| 14-601 VDE | Screwdriver , insulated, blade 75 x 2.5 mm |
| 14-602 VDE | Screwdriver , insulated, blade 100 x 3.5 mm |
| 14-604 VDE | Screwdriver , insulated, blade 125 x 5.5 mm |
| 14-606 VDE | Screwdriver , insulated, blade 150 x 6.5 mm |
| 14-632 VDE | Cross-recess screwdriver , insulated, size 1 |
| 14-633 VDE | Cross-recess screwdriver , insulated, size 2 |
| 15-521 VDE | Cable knife with blade protection, blade length 50 mm |
| 15-522 VDE | Cable stripping knife with blade protection, blade length 35 mm |



COMPACT-MOBIL ELECTRONIC SERVICE CASE

The trolley case with special tools for the assembly and maintenance of electrical and electronic devices

7100 **BERNSTEIN COMPACT-MOBIL** with tool assortment 7010, 7020 and 7060

7300 **BERNSTEIN COMPACT-MOBIL** with tool assortment 7040, 7050 and 7060

7015 **BERNSTEIN COMPACT-MOBIL** without tools

Description:

Elegant case made from deep-drawn, impact-resistant, grained dark brown plastic with a continuous bronze anodised aluminium frame, dustproof and rainproof, acid-resistant, scratch-resistant and non-slip. For energy saving transport stable rolls are installed and a telescopic handle is mounted.

The arrangement of the rolls results in a vibration absorbing locomotion. The tools are held in their partitions.

The case has 3 removable tool trays. The trays contain 63 resp. 32 tools. The lid of the case has a pocket for documents etc. The plastic tray with adjustable partitions in the bottom allows a clear arrangement of a soldering iron, measuring instruments and accessories of various sizes.

The case has two locks.

Outside dimensions: 500 x 400 x 200 mm
(bordcase-size)

Weight without tools: approx. 8.000 kg

Weight 7100 with 63 tools: approx. 10.700 kg

Weight 7300 with 32 tools: approx. 11.600 kg

Tool set:

| No. | Description of individual tools | No. | Description of individual tools |
|---------------------------|--|-------------------------------------|---|
| Tool tray No. 7010 | | Tool tray No. 7020 continued | |
| 2-155 | Claw-type gripper with 4 wire claws and clip | 4-272 | Cross-recess screwdriver , Supadriv/Pozidriv, size 1, as above |
| 2-601 | IC-tweezers , 125 mm, nickel-plated, for gripping, inserting and removing IC's | 4-351 | Offset screwdriver , 100 x 5 mm, nickel-plated |
| 2-620 | PLCC-extractor | 4-407 | Retaining screwdriver , 110 x 4 mm |
| 2-655 | Pocket inspection lite , Mitilite Laser Spot, with fibre optic adaptor for close inspection of small, tight, hard-to-see areas | 5-161 | Clamping scissors , 130 mm, stainless |
| 3-654-14 | EUROline-side-cutters , 120 mm, for hard wire up to 0.4 mm Ø, for copper wire up to 1.5 mm Ø, with slim rounded head, box joint, double leaf spring, bright burnished, with bicoloured hand-guard | 5-301 | Special scissors , with serration, 110 mm, nickel-plated |
| 3-672-14 | EUROline-end-cutters , 130 mm, for copper wire up to 0.6 mm Ø, cutting edge 20° angular, box joint, double leaf spring, bright burnished, with bicoloured hand-guard | 6-771 | Adjustable wrench , jaws opening 0 - 12 mm, total length 100 mm |
| 3-682-14 | EUROline-flat nose pliers , 130 mm, extremely slim, box joint, double leaf spring, bright burnished, with bicoloured hand-guard | 6-964 L | TORX-Screwdriver , size T 9, with hole, with special square BERNSTEIN handle, blade made from chrome vanadium, chrome-plated, with black tip |
| 3-683-14 | EUROline-snip nose pliers , 130 mm, extremely slim, box joint, double leaf spring, bright burnished, with bicoloured hand-guard | 6-965 L | TORX-Screwdriver , size T 10, with hole, as above |
| 4-161 | Electronics screwdriver with special handle and swivel top, blade chrome vanadium, chrome-plated, with black tip, 40 x 1.0 mm | 6-966 L | TORX-Screwdriver , size T 15, with hole, as above |
| 4-162 | Electronics screwdriver as above, 40 x 1.5 mm | 7-425 | Dust brush |
| 4-163 | Electronics screwdriver as above, 40 x 2.0 mm | 3-575-6 | Tool tray No. 7040 |
| 4-164 | Electronics screwdriver as above, 50 x 2.5 mm | 3-815-1 | Water pump pliers , 240 mm, chrome-plated, with insulation |
| 4-165 | Electronics screwdriver as above, 50 x 3.0 mm | 4-272 | Wire strippers , 155 mm, chrome-plated, with BERNSTEINIT insulation |
| 4-281 | Electronics cross-recess screwdriver as above, size 000 | 4-272 | Cross-recess screwdriver Supadriv/Pozidriv, size 1, blade made from chrome vanadium, chrome-plated, with special square BERNSTEIN handle |
| 4-282 | Electronics cross-recess screwdriver as above, size 00 | 4-273 | Cross-recess screwdriver , Supadriv/Pozidriv, as above, size 2 |
| 4-283 | Electronics cross-recess screwdriver as above, size 0 | 5-304 | Combination cutters , 190 mm, stainless |
| 4-284 | Electronics cross-recess screwdriver as above, size 1 | 5-309 | Cable stripping shears , 190 mm, stainless, with plastic handles |
| 5-006 | Component tweezers , 140 mm, with insulated jaws, for easy insertion and removal of plug-in transistors of various sizes, nickel-plated | 5-501 | Cable knife |
| 5-107 | Engineer's tweezers , made from steel, with bent tips, 150 mm, nickel-plated | 7-410 | Slicker trowel with round shank, blade width 16 mm |
| 5-115 | Heat dissipating tweezers , for use when soldering transistors, gold-bonded diodes etc., 165 mm, nickel-plated | 7-535 | Spirit level , length 225 mm, with 3 levels: horizontal, vertical and 45° angle |
| 5-117 | Engineer's tweezers , straight-flat-wide, 145 mm, nickel-plated | 5-107-6 | Tool tray No. 7050 |
| 5-131 | Watchmaker's tweezers , sharply-pointed, 110 mm, stainless | 5-117-6 | Steel tweezers , bent, nickel-plated, safety-insulated, 150 mm |
| 5-191 | ESD/EGB tweezers , 120 mm, conductive, rounded tips | 5-505 | Steel tweezers , straight-flat-wide, safety-insulated, 145 mm |
| 5-194 | ESD/EGB tweezers , 120 mm, conductive, bent pointed tips | 7-114 | Insulation stripping tool for cable 8 - 28 mm Ø |
| 1-735 | Tool tray No. 7020 | 7-202 | Engineer's hammer , 200 g |
| 1-738 | Adjusting screwdriver handle , double-ended | 7-235 | Firmer chisel , blade width 16 mm |
| 1-739 | Special hard plastic bit , 1.5 x 0.5 mm | 7-255 | Flat chisel CVL, DIN 7254, Type B, 200 x 27 mm |
| 1-909 | Special hard plastic bit , 3.0 x 0.5 mm | 7-315 | Electrician's chisel CVL, 200 x 10 mm |
| 2-126 | Engineer's mirror with handle, made entirely from BERNSTEINIT | 7-316 | Drill rasp , bore-Ø 4 mm, length of blade 175 mm, with plastic handle |
| 2-127 | Desoldering bar , slotted at one end, with plastic handle | 7-502 | Punch , 6 mm Ø, with plastic handle |
| 2-132 | Tin knife with plastic handle, 115 mm | 7-616 | Folding rule , 2 m |
| 2-161 | Spring hook , nickel-plated and insulated, 175 mm | 3-134 VDE | Pocket saw „PUK“ in a wallet |
| 2-166 | Magnetic bar with double ball- and socket joint, 215 mm | 3-244 VDE | Tool tray No. 7060 (VDE) |
| 2-265 | Glass fibre contact cleaner | 3-732 VDE | Side cutters , 160 mm, for steel wire up to 1.6 mm Ø, chrome-plated, with VDE safety insulation |
| 2-295 | 2 test prods , red and black, extremely slim, pointed and flexible, blade made from 1 mm steel wire | 4-344 VDE | Telephone pliers , 165 mm, snipe nose, long straight jaws, with cutting edge for hard wire, chrome-plated, with VDE safety insulation |
| 3-565 | Hand magnifier with light | 14-652 VDE | Combination pliers , 160 mm, with wire cutter, for hard wire up to 1.6 mm Ø, chrome-plated, with VDE safety insulation |
| 3-715-1 | Water pump pliers , 120 mm, chrome-plated | 14-654 VDE | Voltage tester , 220 - 250 V, blade 100 x 3.5 mm |
| 4-141 | Combination pliers , 115 mm, chrome-plated, BERNSTEINIT-insulation | 14-656 VDE | Screwdriver , with VDE safety insulation, blade 100 x 3.5 mm |
| 4-142 | Screwdriver , with special square BERNSTEIN handle, blade made from chrome vanadium, chrome-plated, 75 x 3.5 mm, with black tips | 14-682 VDE | Screwdriver , with VDE safety insulation, blade 125 x 5.5 mm |
| 4-142 | Screwdriver , as above, 100 x 4.0 mm | 14-683 VDE | Screwdriver , with VDE safety insulation, blade 150 x 6.5 mm |
| 4-271 | Cross-recess screwdriver , Supadriv/Pozidriv, size 0, with special square BERNSTEIN handle, blade made from chrome vanadium, chrome-plated, with black tips | 15-522 VDE | Cross-recess screwdriver , size 1, with VDE insulation, blade length 80 mm |
| | | 16-302 VDE | Cross-recess screwdriver , size 2, with VDE insulation, blade length 100 mm |
| | | 16-304 VDE | Cross-recess screwdriver , size 2, with VDE insulation, blade length 100 mm |
| | | | Cable stripping knife , with blade protection, blade length 35 mm |
| | | | Socket wrench , with VDE insulation, 5.5 mm A/F |
| | | | Socket wrench , with VDE insulation, 7.0 mm A/F |

COMPACT-MOBIL MOBILE SERVICE CASE

The trolley case as bordcase for world-wide service



Electronic Service Case 7100
with Tool Tray 7010, 7020 and 7060



Tool Tray 7060 from case 7100
and case 7300



Electrician's Service Case 7300
with Tool Tray 7040, 7050 and 7060



SAFETY INSULATED PLIERS

Produced in accordance with specification EN 60.900 of the Association of German Electrical Engineers (VDE). Permissible voltage at which the VDE pliers can be used: 1000 V a.c. or 1500 V d.c.

The guarantee for optimum safety:

Bicoloured VDE multicomponent safety insulation

| No. | mm | Length inches | Finish | Weight g |
|-----|----|------------------|--------|-------------|
|-----|----|------------------|--------|-------------|

Side cutters

for steel wire up to 1.6 mm Ø, swedish design, special steel

| | | | | |
|-----------|-----|-------|---|-----|
| 3-134 VDE | 160 | 6 1/4 | chrome-plated, polished, with VDE safety insulation | 190 |
|-----------|-----|-------|---|-----|

Power side cutters

for steel wire up to 1.6 mm Ø, special steel

| | | | | |
|-----------|-----|-------|---|-----|
| 3-142 VDE | 165 | 6 1/2 | chrome-plated, polished, with VDE safety insulation | 230 |
|-----------|-----|-------|---|-----|

Telephone pliers

snipe nose, long, straight jaws, with cutting edge for hard wire, serrated jaws, special steel

| | | | | |
|-----------|-----|-------|---|-----|
| 3-244 VDE | 165 | 6 1/2 | chrome-plated, polished, with VDE safety insulation | 150 |
| 3-245 VDE | 205 | 8 | chrome-plated, polished, with VDE safety insulation | 200 |

Telephone pliers

snipe nose, long, bent jaws, with cutting edge for hard wire, serrated jaws, special steel

| | | | | |
|-----------|-----|-------|---|-----|
| 3-254 VDE | 165 | 6 1/2 | chrome-plated, polished, with VDE safety insulation | 150 |
| 3-255 VDE | 205 | 8 | chrome-plated, polished, with VDE safety insulation | 200 |

Round nose pliers

with long, round, serrated jaws

| | | | | |
|-----------|-----|-------|---|-----|
| 3-541 VDE | 165 | 6 1/2 | chrome-plated, polished, with VDE safety insulation | 170 |
|-----------|-----|-------|---|-----|

Flat nose pliers

with long, flat, serrated jaws

| | | | | |
|-----------|-----|-------|---|-----|
| 3-545 VDE | 165 | 6 1/2 | chrome-plated, polished, with VDE safety insulation | 180 |
|-----------|-----|-------|---|-----|

Combination pliers

with wire cutter, for hard wire up to 1.6 mm Ø

| | | | | |
|-----------|-----|-------|---|-----|
| 3-732 VDE | 165 | 6 1/2 | chrome-plated, polished, with VDE safety insulation | 200 |
| 3-733 VDE | 185 | 7 1/4 | chrome-plated, polished, with VDE safety insulation | 260 |

„Record“ wire strippers

with automatic adjusting to the wire size, for wire thicknesses from 0.5 to 5 mm Ø

| | | | | |
|-----------|-----|-------|---|-----|
| 3-805 VDE | 165 | 6 1/2 | chrome-plated, polished, with VDE safety insulation | 185 |
|-----------|-----|-------|---|-----|

Wire strippers

with adjusting screw

| | | | | |
|-----------|-----|-------|---|-----|
| 3-815 VDE | 160 | 6 1/4 | chrome-plated, polished, with VDE safety insulation | 150 |
|-----------|-----|-------|---|-----|



SAFETY INSULATED PLIERS

Insulated and piece-checked in accordance with specification EN 60.900 of the Association of German Electrical Engineers (VDE) Permissible voltage at which the VDE pliers can be used: 1000 V a.c. or 1500 V d.c.


EN 60.900

| No. | mm | Length Zoll | Finish | Weight g |
|-----|----|----------------|--------|-------------|
|-----|----|----------------|--------|-------------|

Side cutters

Special steel, cutting capacity: 13-906 VDE for steel wire up to 1.6 mm Ø
13-908 VDE for steel wire up to 2.0 mm Ø

| | | | | |
|------------|-----|-------|---|-----|
| 13-906 VDE | 160 | 6 1/4 | chrome-plated, polished, with safety insulation | 210 |
| 13-908 VDE | 180 | 7 | chrome-plated, polished, with safety insulation | 290 |

Telephon pliers

snipe nose, long, straight jaws, with cutting edge for hard wire up to 1.6 mm Ø, serrated jaws, special steel

| | | | | |
|------------|-----|-------|---|-----|
| 13-915 VDE | 160 | 6 1/4 | chrome-plated, polished, with safety insulation | 155 |
| 13-917 VDE | 200 | 8 | chrome-plated, polished, with safety insulation | 220 |

Telephon pliers

snipe nose, long, bent jaws, with cutting edge for hard wire up to 1.6 mm Ø, serrated jaws, special steel

| | | | | |
|------------|-----|-------|---|-----|
| 13-916 VDE | 160 | 6 1/4 | chrome-plated, polished, with safety insulation | 150 |
| 13-918 VDE | 200 | 8 | chrome-plated, polished, with safety insulation | 220 |

Round nose pliers

with long, round, serrated jaws

| | | | | |
|------------|-----|-------|---|-----|
| 13-926 VDE | 160 | 6 1/4 | chrome-plated, polished, with safety insulation | 165 |
|------------|-----|-------|---|-----|

Flat nose pliers

with long, flat, serrated jaws

| | | | | |
|------------|-----|-------|---|-----|
| 13-927 VDE | 160 | 6 1/4 | chrome-plated, polished, with safety insulation | 180 |
|------------|-----|-------|---|-----|

Combination pliers

with wire cutter for hard wire up to 1.6 mm Ø

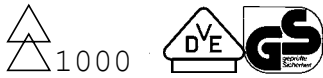
| | | | | |
|------------|-----|-------|---|-----|
| 13-936 VDE | 160 | 6 1/4 | chrome-plated, polished, with safety insulation | 220 |
| 13-937 VDE | 185 | 7 1/4 | chrome-plated, polished, with safety insulation | 280 |
| 13-938 VDE | 205 | 8 | chrome-plated, polished, with safety insulation | 350 |

Wire strippers

with adjusting screw

| | | | | |
|------------|-----|-------|---|-----|
| 13-946 VDE | 160 | 6 1/4 | chrome-plated, polished, with safety insulation | 190 |
|------------|-----|-------|---|-----|





SAFETY INSULATED PLIERS

Insulated and piece-checked in accordance with specification EN 60.900 of the Association of German Electrical Engineers (VDE). Permissible voltage at which the safety pliers can be used: 1000 V a.c. or 1500 V d.c.

Two-colour multilayered insulation, outside red - inside yellow. Damages of the external red insulation immediately become visible by the yellow layer below.

The advantage: simple safety control, practical at any time



13-106 VDE



13-207 VDE



13-506 VDE



13-516 VDE



13-707 VDE



13-806 VDE

| No. | Length | | Finish | Weight g |
|-----|--------|--------|--------|-------------|
| | mm | inches | | |

Side cutters

special steel, cutting capacity: 13-106 VDE for steel wire up to 1.6 mm Ø
13-108 VDE for steel wire up to 2.0 mm Ø

| | | | | |
|------------|-----|-------|--|-----|
| 13-106 VDE | 160 | 6 1/4 | chrome-plated, polished, with VDE safety insulation | 210 |
| 13-108 VDE | 195 | 7 3/4 | chrome-plated, polished, with VDE safety insulation | 300 |

Telephone pliers

snipe nose, long, straight jaws, with cutting edge for hard wire up to 1.6 mm Ø, serrated jaws, special steel

| | | | | |
|------------|-----|---|--|-----|
| 13-207 VDE | 205 | 8 | chrome-plated, polished, with VDE safety insulation | 235 |
|------------|-----|---|--|-----|

Telephone pliers

snipe nose, long, bent jaws, with cutting edge for hard wire up to 1.6 mm Ø, serrated jaws, special steel

| | | | | |
|------------|-----|---|--|-----|
| 13-208 VDE | 205 | 8 | chrome-plated, polished, with VDE safety insulation | 235 |
|------------|-----|---|--|-----|

Round nose pliers

with long, round, serrated jaws

| | | | | |
|------------|-----|-------|--|-----|
| 13-506 VDE | 165 | 6 1/2 | chrome-plated, polished, with safety insulation | 225 |
|------------|-----|-------|--|-----|

Flat nose pliers

with long, flat, serrated jaws

| | | | | |
|------------|-----|-------|--|-----|
| 13-516 VDE | 165 | 6 1/2 | chrome-plated, polished, with safety insulation | 185 |
|------------|-----|-------|--|-----|

Combination pliers

with wire cutter, for hard wire up to 1.6 mm Ø

| | | | | |
|------------|-----|-------|--|-----|
| 13-707 VDE | 190 | 7 1/2 | chrome-plated, polished, with VDE safety insulation | 300 |
| 13-708 VDE | 210 | 8 1/4 | chrome-plated, polished, with VDE safety insulation | 365 |

Wire strippers

with adjusting screw

| | | | | |
|------------|-----|-------|--|-----|
| 13-806 VDE | 165 | 6 1/2 | chrome-plated, polished, with VDE safety insulation | 210 |
|------------|-----|-------|--|-----|

SAFETY TOOLS

BERNSTEIN VDE screwdrivers and VDE cross-recess screwdrivers are monitored by the VDE Test Centre. Each screwdriver is piece-checked in accordance with specification EN 60.900, IEC 900 of the Association of German Electrical Engineers (VDE).

Permissible voltage at which the VDE screwdrivers can be used:

1000 V a.c. or 1500 V d.c.

Blade: chrome vanadium, hardened over its full length, burnished

Handle: Bicoloured VDE multicomponent safety insulation, impact-resistant, with slip off protection and practical hanging up hole.



Safety insulated screwdrivers

DIN EN 60.900, IEC 900

| No. | Blade length mm | Blade width mm | Blade thickness mm | Handle size mm | Weight mm |
|------------|--------------------|-------------------|-----------------------|-------------------|--------------|
| 14-651 VDE | 75 | 2.5 | 0.4 | 100 x 21 | 26 g |
| 14-652 VDE | 100 | 3.5 | 0.6 | 100 x 21 | 34 g |
| 14-653 VDE | 100 | 4.0 | 0.8 | 100 x 21 | 37 g |
| 14-654 VDE | 125 | 5.5 | 1.0 | 107 x 27 | 75 g |
| 14-656 VDE | 150 | 6.5 | 1.2 | 114 x 32 | 112 g |
| 14-658 VDE | 175 | 8.0 | 1.2 | 121 x 35 | 171 g |



Safety insulated cross-recess Phillips screwdrivers

DIN EN 60.900, IEC 900

| No. | Size | Blade length mm | Blade Ø mm | Handle size mm | Weight mm |
|------------|------|--------------------|---------------|-------------------|--------------|
| 14-681 VDE | 0 | 60 | 3.0 | 100 x 21 | 27 g |
| 14-682 VDE | 1 | 80 | 4.5 | 107 x 27 | 57 g |
| 14-683 VDE | 2 | 100 | 6.0 | 114 x 32 | 92 g |
| 14-684 VDE | 3 | 150 | 8.0 | 121 x 35 | 166 g |



Safety insulated Pozidriv cross-recess screwdrivers

DIN EN 60.900, IEC 900

| No. | Size | Blade length mm | Blade Ø mm | Handle size mm | Weight mm |
|------------|------|--------------------|---------------|-------------------|--------------|
| 14-691 VDE | 0 | 60 | 3.0 | 100 x 21 | 27 g |
| 14-692 VDE | 1 | 80 | 4.5 | 107 x 27 | 57 g |
| 14-693 VDE | 2 | 100 | 6.0 | 114 x 32 | 92 g |
| 14-694 VDE | 3 | 150 | 8.0 | 121 x 35 | 166 g |

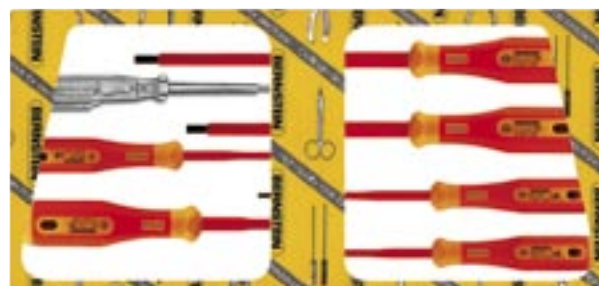


14-600 VDE 7-piece VDE screwdriver set

visibly packed in a carton box

- Contents:
- 14-651 VDE 75 x 2.5 mm screwdriver
 - 14-652 VDE 100 x 3.5 mm screwdriver
 - 14-654 VDE 125 x 5.5 mm screwdriver
 - 14-656 VDE 150 x 6.5 mm screwdriver
 - 14-681 VDE cross-recess screwdriver, size 0
 - 14-682 VDE cross-recess screwdriver, size 1
 - 4-343 VDE voltage tester, 150 V - 250 V

Weight: 350 g



SAFETY TOOLS



Safety insulated socket wrenches

DIN EN 60.900, IEC 900

Blade: chrome vanadium, hardened over its full length

Handle: impact-resistant, bicoloured VDE multicomponent safety insulation, with slip off protection and practical hanging up hole

| No. | A/F mm | Blade length mm | Handle size mm | Weight |
|------------|--------|-----------------|----------------|--------|
| 16-302 VDE | 5.5 | 125 | 107 x 21 | 100 g |
| 16-303 VDE | 6.0 | 125 | 107 x 21 | 105 g |
| 16-304 VDE | 7.0 | 125 | 114 x 30 | 110 g |
| 16-305 VDE | 8.0 | 125 | 114 x 30 | 115 g |
| 16-306 VDE | 9.0 | 125 | 114 x 32 | 120 g |
| 16-307 VDE | 10.0 | 125 | 114 x 32 | 130 g |
| 16-308 VDE | 11.0 | 125 | 121 x 35 | 140 g |
| 16-309 VDE | 12.0 | 125 | 121 x 35 | 145 g |
| 16-311 VDE | 13.0 | 125 | 121 x 35 | 155 g |



Single-ended open-jaw wrenches

to DIN 7447, IEC 60900:2004,

two-colour multilayered insulation, 1000 V,

chrome vanadium, 15° open-end position

| No. | A/F mm | Weight | No. | A/F mm | Weight |
|------------|--------|--------|------------|--------|--------|
| 16-501 VDE | 6.0 | 25 g | 16-508 VDE | 13.0 | 75 g |
| 16-502 VDE | 7.0 | 25 g | 16-509 VDE | 14.0 | 95 g |
| 16-503 VDE | 8.0 | 35 g | 16-511 VDE | 15.0 | 100 g |
| 16-504 VDE | 9.0 | 40 g | 16-512 VDE | 17.0 | 110 g |
| 16-505 VDE | 10.0 | 50 g | 16-513 VDE | 19.0 | 185 g |
| 16-506 VDE | 11.0 | 55 g | 16-514 VDE | 21.0 | 190 g |
| 16-507 VDE | 12.0 | 65 g | 16-515 VDE | 24.0 | 260 g |



Single-ended ring wrenches

to DIN 7447, IEC 60900:2004,

two-colour multilayered insulation, 1000 V

| No. | A/F mm | Weight | No. | A/F mm | Weight |
|------------|--------|--------|---|--------|--------|
| 16-531 VDE | 6.0 | 45 g | 16-538 VDE | 13.0 | 135 g |
| 16-532 VDE | 7.0 | 50 g | 16-539 VDE | 14.0 | 160 g |
| 16-533 VDE | 8.0 | 55 g | 16-541 VDE | 15.0 | 165 g |
| 16-534 VDE | 9.0 | 60 g | 16-545 VDE | 19.0 | 255 g |
| 16-535 VDE | 10.0 | 85 g | 16-547 VDE | 21.0 | 295 g |
| 16-536 VDE | 11.0 | 90 g | 16-551 VDE | 24.0 | 350 g |
| 16-537 VDE | 12.0 | 130 g | – other dimensions available on request – | | |



Adjustable wrenches

to DIN 3117, IEC 60900:2004

two-colour multilayered insulation, 1000 V,

open-end position 15°, with graduation

| No. | Length | Jaw opening | Weight |
|------------|--------|-------------|--------|
| 16-773 VDE | 200 | 0 - 26 | 300 g |
| 16-774 VDE | 250 | 0 - 30 | 500 g |
| 16-775 VDE | 300 | 0 - 35 | 800 g |



16-440 VDE 9-piece set of sockets

in red imitation leather case

Contents: 8 sockets with two-colour multilayered insulation

A/F: 10.0 – 11.0 – 12.0 – 13.0 – 14.0 – 15.0 –

17.0 – 19.0 mm


1 T-socket wrench, 1/2" square drive, 200 mm with two-colour multilayered insulation


Weight: 1.120 kg




SAFETY TOOLS


Sockets

two-colour multilayered insulation to IEC 60900:2004, 1000 V, DIN 7448, square drive, chrome vanadium 

| for nuts: with 3/8"-drive | | | with 1/2"-drive  | | |
|---------------------------|--------|--------|---|--------|--------|
| No. | A/F mm | Weight | No. | A/F mm | Weight |
| 16-481 VDE | 6.0 | 23 g | 16-441 VDE | 10.0 | 59 g |
| 16-482 VDE | 7.0 | 26 g | 16-442 VDE | 11.0 | 60 g |
| 16-483 VDE | 8.0 | 26 g | 16-443 VDE | 12.0 | 60 g |
| 16-484 VDE | 9.0 | 31 g | 16-444 VDE | 13.0 | 65 g |
| 16-485 VDE | 10.0 | 33 g | 16-445 VDE | 14.0 | 70 g |
| 16-486 VDE | 11.0 | 33 g | 16-446 VDE | 15.0 | 74 g |
| 16-487 VDE | 12.0 | 35 g | 16-447 VDE | 17.0 | 80 g |
| 16-488 VDE | 13.0 | 37 g | 16-448 VDE | 19.0 | 85 g |
| 16-489 VDE | 14.0 | 49 g | 16-449 VDE | 22.0 | 110 g |
| 16-491 VDE | 15.0 | 52 g | 16-451 VDE | 24.0 | 130 g |
| 16-492 VDE | 16.0 | 54 g | 16-452 VDE | 27.0 | 182 g |
| 16-493 VDE | 17.0 | 55 g | 16-453 VDE | 30.0 | 196 g |
| 16-494 VDE | 18.0 | 63 g | 16-454 VDE | 32.0 | 204 g |
| 16-495 VDE | 19.0 | 75 g | | | |
| 16-496 VDE | 20.0 | 82 g | | | |
| 16-497 VDE | 21.0 | 87 g | | | |
| 16-448 VDE | 22.0 | 94 g | | | |


| for hexagonal location: with 3/8"-drive | | | with 1/2"-drive  | | |
|---|------|------|---|------|-------|
| 16-559 VDE | 4.0 | 55 g | 16-461 VDE | 5.0 | 93 g |
| 16-561 VDE | 5.0 | 60 g | 16-462 VDE | 6.0 | 95 g |
| 16-562 VDE | 6.0 | 65 g | 16-463 VDE | 8.0 | 97 g |
| 16-563 VDE | 8.0 | 75 g | 16-464 VDE | 10.0 | 109 g |
| 16-564 VDE | 10.0 | 90 g | | | |

4-Way Wrench

two-colour multilayered insulation according to IEC 60900:2004, 1000 V, 4 different sizes, electrical contact impossible 


| | | |
|------------|-----------------------|-------|
| 16-431 VDE | A/F 10 / 13 / 14 / 17 | 395 g |
|------------|-----------------------|-------|

T-socket-wrench

with locking device, DIN 7436, two-colour multilayered insulation according to IEC 60900:2004, 1000 V 


| No. | mm | Length inches | Finish | Weight g |
|------------|-----|---------------|------------------|----------|
| 16-474 VDE | 200 | 8 | 3/8" sqare drive | 390 g |
| 16-475 VDE | 200 | 8 | 1/2" sqare drive | 460 g |

Reversible ratchet

DIN 7449, two-colour multilayered insulation according to IEC 60900:2004, 1000 V, fixing and removing of the inserts by pushing the button, right / left turn by reversing the lever 

| | | | | |
|------------|-----|---------|------------------|-------|
| 16-471 VDE | 260 | 10 2/8" | 1/2" sqare drive | 680 g |
| 16-472 VDE | 200 | 8 | 3/8" sqare drive | 360 g |

Rigid extension

DIN 7434, two-colour multilayered insulation according to IEC 60900:2004, with locking device 

| | | | | |
|------------|-----|---------|------------------|-------|
| 16-476 VDE | 125 | 5 1/2" | 1/2" sqare drive | 200 g |
| 16-477 VDE | 250 | 10 1/2" | 1/2" sqare drive | 406 g |
| 16-478 VDE | 125 | 5 3/8" | 3/8" sqare drive | 155 g |
| 16-479 VDE | 250 | 10 3/8" | 3/8" sqare drive | 281 g |



CABLE-CUTTING TOOLS



| No. | Length mm | Zoll | Finish | Weight g |
|-----|--------------|------|--------|-------------|
|-----|--------------|------|--------|-------------|

Cable knife

with blade protection, handle from shock resistance plastic, 1000 V



| | | | | |
|------------|-----|---|---------------------------------------|------|
| 15-521 VDE | 180 | 7 | straight blade, blade length 50 mm | 66 g |
|------------|-----|---|---------------------------------------|------|

Cable dismantling knife

with blade protection, handle from shock resistance plastic, 1000 V



| | | | | |
|------------|-----|---|---|------|
| 15-522 VDE | 180 | 7 | straight blade, blade length 35 mm | 66 g |
| 15-523 VDE | 180 | 7 | special blade, with cable guard shoe | 63 g |

Automatic wire stripper Super

fully insulated automatic wire stripper for all common stranded and solid conductors of 0.2 - 6.0 mm², adjustable length stop of 5 - 12 mm, removable if required, built-in side cutters for max. 2 mm Ø

| | | | | |
|------------|-----|---|---|-------|
| 15-531 VDE | 200 | 8 | fibreglass re-enforced polyamide, fully insulated, approved for works on "hot " lines up to 1000 Volt | 130 g |
|------------|-----|---|---|-------|

Cable shear

forged of special steel, for copper and aluminium cable, two-colour multilayered insulation according to IEC 60900:2004, with re-adjustable joint



| | | | | |
|------------|-----|-------|----------------------------------|-------|
| 15-501 VDE | 210 | 8 1/4 | max Ø 20 mm / 60 mm ² | 360 g |
|------------|-----|-------|----------------------------------|-------|

Ratcheting cable cutters

easy cutting of big diameters, for copper and aluminium cable, two-colour multilayered insulation, fully insulated according to IEC 60900:2004, 1000 V



| | | | | |
|------------|-----|-------|-----------------------------------|-------|
| 15-506 VDE | 250 | 9 7/8 | max Ø 32 mm / 240 mm ² | 800 g |
|------------|-----|-------|-----------------------------------|-------|

| No. | Length mm | Zoll | Finish | Weight g |
|-----|--------------|------|--------|-------------|
|-----|--------------|------|--------|-------------|

Metal saw

with pistol handle, frame out of metal die cast, two-colour multilayered insulation, fully insulated according to IEC 60900:2004, 1000 V



| | | | | |
|------------|-----|--------|------------------------|-------|
| 15-541 VDE | 265 | 10 2/8 | saw blade exchangeable | 180 g |
| 7-617 | 150 | 6 | spare blade | 3 g |

SAFETY TOOLS

| No. | Size | Weight |
|-----|------|--------|
|-----|------|--------|

Electrician's Glove

insulating gloves for work under voltage up to 1000 Volt, out of natural rubber, high flexibility, each tested according to DIN EN 60903

| | | |
|------------|---------|-------|
| 17-499 VDE | Size 9 | 175 g |
| 17-501 VDE | Size 10 | 175 g |
| 17-502 VDE | Size 11 | 175 g |



Plug-In Grip with arm protection

suitable for fixing and removing NH-fuses

| | | |
|------------|---|-------|
| 17-521 VDE | Siemens handle for NH-fuses 00-3, arm protection when interrupting high current intensity (arc) | 450 g |
|------------|---|-------|



Rubber Cover

DIN VDE 0680 part 1, thickness 1.6 mm, surface smooth, for working on electrical facilities, up to 1000 V

| | | |
|------------|----------------|--------|
| 17-702 VDE | 500 x 500 mm | 590 g |
| 17-703 VDE | 1000 x 1000 mm | 1936 g |



Rubber Isomat without picture

tested according to DIN VDE 0303, thickness 4.5 mm one side smooth, other side grooved

| | | |
|------------|----------------|--------|
| 17-707 VDE | 1000 x 1000 mm | 6200 g |
|------------|----------------|--------|

Plastic Clip for fixing covers

17-523 VDE 170 mm with covered spiral spring

| | | |
|------------|-----------------------------------|------|
| 17-523 VDE | 170 mm with covered spiral spring | 63 g |
|------------|-----------------------------------|------|

Self-Clamping Slip on Caps

1000V protection against touching a cable-end under voltage

| | | |
|------------|---------|------|
| 17-551 VDE | Ø 10 mm | 20 g |
| 17-552 VDE | Ø 20 mm | 30 g |
| 17-553 VDE | Ø 30 mm | 60 g |



Voltage Tester Steinel Volt Check 3

for AC/DC 17-531 VDE 6 - 400 V AC/DC 70 g



TWEEZERS

Engineer's tweezers with 1000 Voltage-insulation, VDE 0680 Part 2

| No. | mm | Length | Zoll | Finish | Weight |
|-----------|-----|--------|-------|------------------------------------|--------|
| 5-107 VDE | 150 | | 6 | fine bent tips, finely serrated | 34 g |
| 5-117 VDE | 145 | | 5 3/4 | straight-flat-wide, with serration | 39 g |



VDE-ELEKTRO SERVICE-CASE PROTECTION 8200

A case with the basic equipment of common safety tools



8200 **BERNSTEIN** PROTECTION with tool set

8215 **BERNSTEIN** PROTECTION without tool set

Description:

Case made from deep-drawn, impact-resistant, grained red plastic, with sturdy aluminium frame, dustproof and rainproof, acid- and scratch-resistant. 23 tools, 15 of them piece-checked according to insulating specifications, are clearly arranged on two tool trays and in the plastic tray. In the tray with adjustable partitions can be lodged accessories and bigger tools until 60 mm height. The Upper tool tray is removable and on the back side there are free pouches for individual tools and documents.

BERNSTEIN safety tools are insulated in accordance with the specification EN 60.900, the guarantee for optimal safety.

Outside dimensions: 480 x 350 x 170 mm

Weight with tools: approx. 4.000 kg

Weight without tools: approx. 7.150 kg

Tool set:

No. Description of individual tools

| | |
|------------|--|
| 13-908 VDE | VDE Side cutters , 180 mm, for steel wire up to 2.0 mm Ø; chrome-plated, VDE safty insulation |
| 13-917 VDE | Telephon pliers , 200 mm, long straight jaws, with cutting edge for hard wire, chrome-plated, with VDE safty insulation |
| 13-937 VDE | Combination pliers , 185 mm, with wire cutter for hard wire, chrome-plated, with VDE safty insulation |
| 14-651 VDE | Screwdriver , blade 75 x 2.5 mm, bicoloured multicomponent insulation, VDE-tested |
| 14-653 VDE | Screwdriver , blade 100 x 4.0 mm, bicoloured multicomponent insulation, VDE-tested |
| 14-654 VDE | Screwdriver , blade 125 x 5.5 mm, bicoloured multicomponent insulation, VDE-tested |
| 14-656 VDE | Screwdriver , blade 150 x 6.5 mm, bicoloured multicomponent insulation, VDE-tested |
| 14-682 VDE | Cross-recess screwdriver , size 1, blade 80 mm bicoloured multicomponent insulation, VDE-tested |
| 14-683 VDE | Cross-recess screwdriver , size 2, blade 100 mm bicoloured multicomponent insulation, VDE-tested |
| 14-692 VDE | Cross-recess screwdriver , size 1 PZ, blade 80 mm bicoloured multicomponent insulation, VDE-tested |
| 14-693 VDE | Cross-recess screwdriver , size 2 PZ, blade 100 mm bicoloured multicomponent insulation, VDE-tested |

Nr. Description of individual tools

| | |
|------------|---|
| 15-521 VDE | Cable knife with blade protection, blade length 50 mm |
| 5-505 | Insulation stripping tool , with hook blade, for cable Ø 4 - 28 mm |
| 15-531 VDE | Automatic wire stripper Super , for work under voltage, for all common stranded and solid conductors of 0.2 - 6.0 mm ² , adjustable length stop of 5 - 12 mm, built-in side cutters for max. 2 mm Ø |
| 17-523 VDE | Plastic clip , 170 mm, with internal spiral spring |
| 17-541 VDE | Pocket hack saw , insulated to IEC 60.900:2004, frame out of metal die cast, 150 mm saw blade |
| 7-116 | Engineer's hammer to DIN 1041, 300 g |
| 7-235 | Flat chisel CVL, DIN 7254, Type B, 200 x 27 mm |
| 7-255 | Electrician's chisel CVL, 200 x 10 mm |
| 7-405 | Towel , with conical forged blade and wooden handle, 50 mm width |
| 7-410 | Slicker trowel , polished with round shank, 16 mm width |
| 7-415 | Rubber beaker for plaster , Ø 130 mm |
| 7-426 | wide brush |