

Россия, 125438, г. Москва, Лихоборская наб., д. 9

Тел.: (495) 105-34-76 (многоканальный)

Факс: (495) 105-34-75

E-mail: [sale@thermocool.ru](mailto:sale@thermocool.ru)

WWW: [www.thermocool.ru](http://www.thermocool.ru)



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...with safety better

## 2-component VDE Electricians' screwdrivers



blade of chrome vanadium steel, with 2-component handle of PP/TPE, insulated



1000 V EN 60900



Art. No.	lob	CW	length	weight	PU
10 19 10	75	2,5	155	25	12
10 19 12	100	3,0	185	30	12
10 19 14	100	3,5	185	30	12
10 19 16	100	4,0	195	50	12
10 19 18	125	5,5	230	75	12
10 19 20	150	6,5	255	100	12
10 19 22	175	8,0	295	180	12
10 19 24	200	10,0	320	270	12

## 2-component VDE cross slotted screwdrivers Phillips



blade of chrome vanadium steel, with 2-component handle of PP/TPE, insulated



1000 V EN 60900



Art. No.	size	M - M	lob	length	weight	PU
10 19 40	0	1,6 - 2	60	145	55	12
10 19 42	1	2 - 3	80	175	65	12
10 19 44	2	3 - 5,2	100	205	105	12
10 19 46	3	5,2 - 7,2	150	270	165	12

## 2-component VDE cross slotted screwdrivers Pozidriv



blade of chrome vanadium steel, with 2-component handle of PP/TPE, insulated



1000 V EN 60900



Art. No.	size	M - M	lob	length	weight	PU
10 19 50	0	1,6 - 2	60	135	55	12
10 19 52	1	2 - 3	80	175	65	12
10 19 54	2	3 - 5,2	100	205	105	12
10 19 56	3	5,2 - 7,2	150	270	165	12

## 2-component VDE screwdrivers Tx



with security pin, blade of chrome vanadium steel, with 2-component handle of PP/TPE, insulated



1000 V EN 60900



Art. No.	size	lob	length	weight	PU
10 18 50	TX 08	100 x 3	185	70	12
10 18 52	TX 09	100 x 3	185	70	12
10 18 54	TX 10	100 x 3	195	75	12
10 18 56	TX 15	100 x 3,5	195	75	12
10 18 58	TX 20	100 x 4	195	75	12
10 18 60	TX 25	125 x 4,5	220	85	12
10 18 62	TX 27	125 x 5,5	230	90	12
10 18 64	TX 30	150 x 6,5	255	100	12
10 18 66	TX 40	175 x 8	295	120	12

a-range ..... adjusting range  
Cth ..... cutting thickness (mm)  
CW ..... cutting with (mm)

IM ..... inside measurement (mm)  
length ..... total length (mm)  
lob ..... length of blade (mm)

# INFO

## Screwdriver range, individually tested

Screwdriver range according to the new VDE Norm EN 60900. All blades are made of high quality chrome vanadium steel, black, red-covered, Polypropylen moulded. This ergonomic moulded 2-component handles from PP/TPE material guarantees a high security with normal power transmission. Every screwdriver is individually tested and marked according to the new VDE-Norm.

## 2-component VDE screwdrivers set



blade of chrome vanadium steel, with 2-component handle of PP/TPE, insulated, 6-pieces  
Content: VDE Electricians' screwdriver 2,5 x 75 mm, 4 x 100 mm, 5,5 x 125 mm, 6,5 x 150 mm, VDE cross slotted screwdrivers Phillips or Pozidriv size 1 and 2



1000 V EN 60900



Art. No.	set	weight	PU
10 19 99	Phillips 6-pieces	550	1
10 19 99PZ	Pozidriv 6-pieces	550	1

## 2-component VDE socket wrenches DIN 7445



chrome vanadium steel, insulated, for hexagon nuts, with 2-component handle of PP/TPE



1000 V EN 60900



Art. No.	size	M	lob	length	weight	PU
10 25 20	4	2	125	220	76	6
10 25 22	5	2,6	125	220	77	6
10 25 24	5,5	3	125	220	76	6
10 25 26	6	3,5	125	220	79	6
10 25 28	7	4	125	230	112	6
10 25 30	8	5	125	230	144	6
10 25 32	9	-	125	230	116	6
10 25 34	10	6	125	230	118	6
10 25 36	11	7	125	245	175	6
10 25 38	12	-	125	245	178	6
10 25 40	13	8	125	245	188	6
10 25 44	17	10	125	245	237	6

## 2-component VDE socket wrenches set DIN 7445



chrome vanadium steel, insulated acc. EN 60900, for hexagon nuts, with 2-component handle of PP/TPE  
Contents: 1 piece each 5 - 5,5 - 7 - 8 - 10 - 11 - 13 mm



1000 V EN 60900



Art. No.	set	weight	PU
10 25 12	7-pieces	910	1

M ..... for screws M  
M - M ..... for screws M - M  
PU ..... packing unit in pieces

SW ..... size of key  
test ..... test range (Volt)  
weight ..... weight (gr)

## VDE Electricians' screwdrivers



of chrome vanadium steel, with red PPN-handle, insulated



1000 V EN 60900



Art. No.	lob	CW	length	weight	PU
10 09 10	75	2,5	155	25	12
10 09 12	100	3,0	180	30	12
10 09 14	100	3,5	180	30	12
10 09 16	100	4,0	190	50	12
10 09 18	125	5,5	225	75	12
10 09 20	150	6,5	250	100	12
10 09 22	175	8,0	285	180	12
10 09 24	200	10,0	325	270	12

## VDE cross slotted screwdrivers Phillips



of chrome vanadium steel, with red PPN-handle, insulated



1000 V EN 60900



Art. No.	size	M - M	lob	length	weight	PU
10 09 40	0	1,6 - 2	60	130	55	12
10 09 42	1	2 - 3	80	170	65	12
10 09 44	2	3 - 5,2	100	200	105	12
10 09 46	3	5,2 - 7,2	150	260	165	12

## VDE screwdrivers Pozidriv



of chrome vanadium steel, with red PPN-handle, insulated



1000 V EN 60900



Art. No.	size	M - M	lob	length	weight	PU
10 09 50	0	1,6 - 2	60	130	55	12
10 09 52	1	2 - 3	80	170	65	12
10 09 54	2	3 - 5,2	100	200	105	12
10 09 56	3	5,2 - 7,2	150	260	165	12

## VDE screwdrivers Tx



for torx screws with security pin, blade of chrome vanadium steel, insulated



1000 V EN 60900



Art. No.	size	lob	weight	PU
10 08 50	TX 08	100 x 3	75	12
10 08 52	TX 09	100 x 3	75	12
10 08 54	TX 10	100 x 3	75	12
10 08 56	TX 15	100 x 3,5	80	12
10 08 58	TX 20	100 x 4	80	12
10 08 60	TX 25	125 x 4,5	90	12
10 08 62	TX 27	125 x 5,5	90	12
10 08 64	TX 30	150 x 6,5	100	12
10 08 66	TX 40	175 x 8	120	12

## VDE screwdrivers set



of chrome vanadium steel, with red PPN-handle, 5-pieces, VDE Electricians' screwdriver 2,5 x 75 mm, 4 x 100 mm, 6,5 x 150 mm, VDE cross slotted screwdrivers **Phillips** or **Pozidriv** size 1 and 2



1000 V EN 60900



Art. No.	set	weight	PU
10 09 98	Phillips 5-pieces	500	1
10 09 98PZ	Pozidriv 5-pieces	500	1

## VDE screwdrivers set



of chrome vanadium steel, with red PPN-handle, 7-pieces, VDE Electricians' screwdriver 2,5 x 75 mm, VDE Electricians' screwdriver 3 x 100, 4 x 100, 5,5 x 125, 6,5 x 150 mm, VDE cross slotted screwdrivers **Phillips** or **Pozidriv** size 1 and 2



1000 V EN 60900



Art. No.	set	weight	PU
10 09 99	Phillips 7-pieces	500	1
10 09 99PZ	Pozidriv 7-pieces	500	1

## VDE socket wrenches DIN 7445



chrome vanadium steel, insulated, for hexagon nuts, with red PPN-handle



1000 V EN 60900



Art. No.	size	M	lob	length	weight	PU
10 05 20	4	2	125	220	76	6
10 05 22	5	2,6	125	220	77	6
10 05 24	5,5	3	125	220	76	6
10 05 26	6	3,5	125	220	79	6
10 05 28	7	4	125	230	112	6
10 05 30	8	5	125	230	144	6
10 05 32	9	-	125	230	116	6
10 05 34	10	6	125	230	118	6
10 05 36	11	7	125	240	175	6
10 05 38	12	-	125	240	178	6
10 05 40	13	8	125	240	188	6
10 05 44	17	10	125	250	237	6

## VDE socket wrenches set DIN 7445



chrome vanadium steel, insulated acc. EN 60900, for hexagon nuts, with red PPN-heavy handle, 1 piece each 5 - 5,5 - 7 - 8 - 10 - 11 - 13 mm



1000 V EN 60900



Art. No.	set	weight	PU
10 05 12	7-pieces	910	1

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## Combination pliers DIN 5244 VDE EN 60900

alloyed carbon steel, C 45, oil-hardened, cutting edges induction hardened, for soft and hard wire up to 150 kp/mm<sup>2</sup> (N 1500), german pattern, polished chrome plated, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	length	weight	PU
21 00 56	185	350	6
21 00 58	205	400	6

## Diagonal cutters DIN 5238 B VDE EN 60900

swedish pattern, high alloyed carbon steel, oil-hardened, C 60, cutting edges induction hardened, for soft and hard wire up to 200 kp/mm<sup>2</sup> (N 2000), polished chrome plated, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	length	CC-Ø	weight	PU
21 01 00	165	3	260	6
21 01 02	185	3,5	360	6

## Diagonal cutters DIN 5238 B VDE EN 60900

swedish pattern, high alloyed carbon steel, oil-hardened, C 60, cutting edges induction hardened, for soft and hard wire up to 200 kp/mm<sup>2</sup> (N 2000), polished chrome plated, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	length	CC-Ø	weight	PU
21 01 10	240	3,5	500	6

## Front cutters VDE EN 60900

alloyed carbon steel, cutting edges induction hardened, polished chrome plated, 2-coloured coating-insulation - inside yellow/outside red

1000 V EN 60900



Art. No.	length	weight	PU
21 03 03	160	350	6

## Short flat nose pliers DIN 5258 VDE EN 60900

C 45, alloyed carbon steel, oil-hardened, polished chrome plated, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	length	weight	PU
21 02 70	160	250	6

## Short round nose pliers DIN 5257 VDE EN 60900

C 45, alloyed carbon steel, oil-hardened, polished chrome plated, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	length	weight	PU
21 02 96	160	250	6

## Long chain nose pliers DIN 5236 A VDE EN 60900

alloyed carbon steel, C 45, oil-hardened, cutting edges induction hardened, for any wire up to 150 kp/mm<sup>2</sup> (N 1500), polished chrome plated, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	length	weight	PU
21 03 88	200	260	6
21 03 90	200	260	6

## Wire stripping pliers DIN 5232 VDE EN 60900

C 45, oil-hardened, with spring and adjustment screw, for cable of 0,2 - 6 mm Ø, polished chrome plated, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	length	weight	PU
21 06 48	160	240	6

## Water pump pliers DIN 5231 D EN 60900

chrome vanadium, 31 Cr V3, box-joint, burner hole, teeth induction hardened, finger protection, oil-hardened, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	length	weight	PU
21 05 83	300	380	6

a-range ..... adjusting range  
Cth ..... cutting thickness (mm)  
CW ..... cutting with (mm)

IM ..... inside measurement (mm)  
length ..... total length (mm)  
lob ..... length of blade (mm)

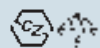
M ..... for screws M  
M - M ..... for screws M - M  
PU ..... packing unit in pieces

SW ..... size of key  
test ..... test range (Volt)  
weight ..... weight (gr)



## Water pump pliers EN 60900

heavy pattern, made of chrome vanadium steel, with roll, polished chrome plated, 2-coloured coating-insulation - inside yellow/outside red



⚠ 1000 V EN 60900



Art. No.	length	weight	PU
21 05 88	260	580	6

## Pliers set VDE EN 60900

C 45, oil-hardened, 2-coloured coating-insulation - inside yellow/outside red  
Pliers polished chrome plated, 4-pieces

- Combination pliers 185 mm
- Diagonal cutters 165 mm
- Long chain nose pliers, straight 200 mm
- Wire stripping pliers 160 mm



⚠ 1000 V EN 60900



Art. No.	set	weight	PU
22 01 26	4-pieces	750	1

## Stripping pliers EN 60900

fully insulated acc. to VDE EN 60900, for cutting and stripping off cable sheaths of PVC, PE and VPE, limited cutting deep and therefore no damage on the inside conductors, easy handling, 2-coloured coating-insulation - inside yellow/outside red

⚠ 1000 V EN 60900



Art. No.	Ø	length	weight	PU
20 01 49	26 - 52	200	690	1

## Automatic wire stripper 1000 V EN 60900

1000 volt individually tested wire stripper according to EN 60900. For stripping flexible wires and solid copper wires. The wire stripper adjusts automatically to the cross section of the wire. Stripping range: 0,5 to 6 mm<sup>2</sup>

⚠ 1000 V EN 60900



Art. No.	mm <sup>2</sup>	weight	PU
21 16 83	0,5 - 6	75	1



# INFO

## New 2 component VDE pliers

From midyear 2004 on we will deliver the here listed pliers with our new 2 component handles. They will be made of elastomer with a special ergonomic design which is comfortable and nonskid.



**From midyear 2004  
on with new  
2 component handle**

### Combination pliers DIN 5244 VDE EN 60900

german pattern, comfort grip, alloyed carbon steel, C 45, oil-hardened, cutting edges induction hardened, for soft and hard wire up to 150 kp/mm<sup>2</sup> (N 1500), polished chrome plated, sheathed handles



△ 1000 V EN 60900



Art. No.	length	weight	PU
21 12 00	185	350	6
21 12 02	205	400	6

### Diagonal cutters DIN 5238 B VDE EN 60900

swedish pattern, high alloyed carbon steel, oil-hardened, C 60, cutting edges induction hardened, for soft and hard wire up to 200 kp/mm<sup>2</sup> (N 2000), polished chrome plated, sheathed handles



△ 1000 V EN 60900



Art. No.	length	CC-Ø	weight	PU
21 12 04	165	3	250	6
21 12 06	185	3,5	320	6

### Heavy duty diagonal cutters DIN 5238 A VDE EN 60900

C 60, cutting edges induction hardened, polished chrome plated, sheathed handles



△ 1000 V EN 60900



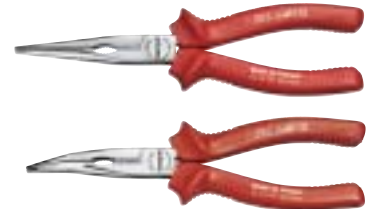
Art. No.	length	CC-Ø	weight	PU
21 12 17	170	2,5	230	6
21 12 19	205	3,0	285	6

### Long chain nose pliers DIN 5236 A VDE EN 60900

alloyed carbon steel, C 45, oil-hardened, cutting edges induction hardened, for any wire up to 150 kp/mm<sup>2</sup> (N 1500), polished chrome plated, sheathed handles



△ 1000 V EN 60900



Art. No.	length		weight	PU
21 12 08	200	straight	260	6
21 12 10	200	45° angled nose	260	6

### Short flat nose pliers DIN 5258 VDE EN 60900

C 45, oil-hardened, polished chrome plated, short body, sheathed handles



△ 1000 V EN 60900



Art. No.	length	weight	PU
21 12 12	160	250	6

### Short round nose pliers DIN 5257 VDE EN 60900

C 45, alloyed carbon steel, oil-hardened, polished chrome plated, sheathed handles



△ 1000 V EN 60900



Art. No.	length	weight	PU
21 12 16	160	250	6

### Wire stripping pliers DIN 5232 VDE EN 60900

C 45, oil-hardened, with spring and adjustment screw, for cable of 0,2 - 6 mm Ø, polished chrome plated, sheathed handles



△ 1000 V EN 60900



Art. No.	length	weight	PU
21 12 14	160	240	6

### Pliers set VDE EN 60900

with VDE-safety-isolation, best Quality, pliers polished chrome plated, 4-pieces

- Combination pliers 185 mm
- Side cutter 165 mm
- Long chain nose pliers 200 mm
- Wire stripping pliers 160 mm



△ 1000 V EN 60900



Art. No.	set	weight	PU
22 01 23	4-pieces	780	1

a-range ..... adjusting range  
Cth ..... cutting thickness (mm)  
CW ..... cutting with (mm)

IM ..... inside measurement (mm)  
length ..... total length (mm)  
lob ..... length of blade (mm)

M ..... for screws M  
M - M ..... for screws M - M  
PU ..... packing unit in pieces

SW ..... size of key  
test ..... test range (Volt)  
weight ..... weight (gr)

## VDE pliers, coating-insulated, head insulated

### Combination pliers DIN ISO 5244 VDE EN 60900

working head insulated, 2-coloured coating-insulation - inside yellow/outside red

⚠ 1000 V EN 60900



Art. No.	length	weight	PU
21 02 63	185	290	1
21 02 64	205	385	1

### Diagonal cutters DIN ISO 5749 VDE EN 60900

working head insulated, 2-coloured coating-insulation - inside yellow/outside red

⚠ 1000 V EN 60900



Art. No.	length	weight	PU
21 03 01	160	270	1
21 03 02	180	330	1

### Long chain nose pliers DIN ISO 5754 VDE EN 60900

straight, working head insulated, 2-coloured coating-insulation - inside yellow/outside red

⚠ 1000 V EN 60900



Art. No.	length	weight	PU
21 02 66	160	170	1
21 02 67	200	225	1

### Long chain nose pliers DIN ISO 5745 VDE EN 60900

angled nose, working head insulated, 2-coloured coating-insulation - inside yellow/outside red

⚠ 1000 V EN 60900



Art. No.	length	weight	PU
21 02 97	200	210	1

### Plan grip pliers VDE EN 60900

working head insulated, made of special alloy steel, long, flat, plain gripping jaws, round edges, 2-coloured coating-insulation - inside yellow/outside red

⚠ 1000 V EN 60900



Art. No.	length	weight	PU
21 02 98	200	215	1

### Short flat nose pliers DIN ISO 5745 VDE EN 60900

working head insulated, 2-coloured coating-insulation - inside yellow/outside red

⚠ 1000 V EN 60900



Art. No.	length	weight	PU
21 02 99	160	200	1

### Long chain nose pliers DIN ISO 5745 VDE EN 60900

working head insulated, 2-coloured coating-insulation - inside yellow/outside red

⚠ 1000 V EN 60900



Art. No.	length	weight	PU
21 03 00	160	205	1

### Wire stripping pliers DIN 5232 VDE EN 60900

working head insulated, 2-coloured coating-insulation - inside yellow/outside red

⚠ 1000 V EN 60900



Art. No.	length	weight	PU
21 02 65	160	180	1

### Cable cutters EN 60900

of carbon-steel, maximum cutting capacity due to special cutting-geometry, with VDE insulation, 2-coloured coating-insulation - inside yellow/outside red



1000 V EN 60900



Art. No.	length	Ø	solid	flex. mm²	weight	PU
20 01 20	215	20	25	70	325	1

### Double edged cable cutters EN 60900

slight strain due to optimal lever-transmission, edges with precise grind for easy and proper cutting by one hand handling, opening 20 mm, forged of special carbon-steel, for copper and alu-cable, 2-coloured coating-insulation - inside yellow/ outside red

1000 V EN 60900



Art. No.	length	Ø	mm²	weight	PU
20 01 28	200	20	50	365	1

### Cable cutters EN 60900

Grave version of vanadium steel, annealed, opening 15 mm, 2-coloured coating-insulation - inside yellow/outside red

1000 V EN 60900



Art. No.	length	Ø	solid	flex. mm²	weight	PU
20 01 27	160	15	16	50	250	1

### Cable cutters EN 60900

Long version, slight strain, one and two hand handling, proper cutting due to precise grind, forged of special carbon-steel, 2-coloured coating-insulation - inside yellow/outside red

1000 V EN 60900



Art. No.	length	mm²	weight	PU
20 01 29	240	up to 50	430	1

### Cable cutters EN 60900

Chrome-vanadium, shear edge, fatigue-free handling due to spring joint, self-opening, with locking mechanism, enormous cutting performance allows effort-free operation, for copper and aluminium cable

1000 V EN 60900



Art. No.	length	mm²	weight	PU
20 00 86/VDE	170	up to 10	230	1
20 00 88/VDE	230	up to 15	485	1

### Cable cutters EN 60900

with leverage construction, cutter of alloyed special steel, forged, replaceable, squeeze-free cutting. Working range: for Copper- and Alu-cable max. 40 mm Ø

1000 V EN 60900



Art. No.	length	Ø	mm²	weight	PU
20 01 10	600	26	150	2700	1
20 01 41	700	33	180	3300	1
20 01 47	800	40	240	3900	1

### Cable cutters EN 60900

forged cutting head of special carbon-steel, light strain, easy and proper cutting, adjustable joint, opening 27 mm; working range: Copper- and Alu-cable up to 150 mm²

1000 V EN 60900



Art. No.	length	mm²	weight	PU
20 01 23	500	150	1480	1

### Wire rope and cable cutters EN 60900

with lever action, blades of high alloyed interchangeable, cutting capacity steel- alu-ropes up to 80 mm², for copper- and alucable, opening approx 10 mm

1000 V EN 60900



Art. No.	length	mm²	weight	PU
20 00 81	700	80	1900	1
20 00 81/MK		spare cutting head	350	1

### Wire rope and cable cutters EN 60900

without transmission, blades of high quality special steel, forged, replaceable, opening 20 mm, insulated, according to EN 60900  
Working range: steel-alu-rope up to 120 mm², Copper- and Alu-cable

1000 V EN 60900



Art. No.	length	mm²	weight	PU
20 01 30	600	120	3000	1
20 01 32		spare cutting head	340	1

### Cable cutter with a snap VDE EN 60900

Laser-cut components made of special carbon steel, oil-hardened, for optimal precision, CNC-ground cutting type, inductively hardened for maximum cutting performance, Screwed joint connections, re-adjustable for longer durability as well as, VDE EN 60900, 2-coloured coating-insulation - inside yellow/outside red, for cables to 16,9 mm Ø (70 mm²)

1000 V EN 60900



Art. No.	length	Ø	mm²	weight	PU
20 10 02/VDE	180	to 16,9	70	230	6

a-range ..... adjusting range  
Cth ..... cutting thickness (mm)  
CW ..... cutting with (mm)

IM ..... inside measurement (mm)  
length ..... total length (mm)  
lob ..... length of blade (mm)

M ..... for screws M  
M - M ..... for screws M - M  
PU ..... packing unit in pieces

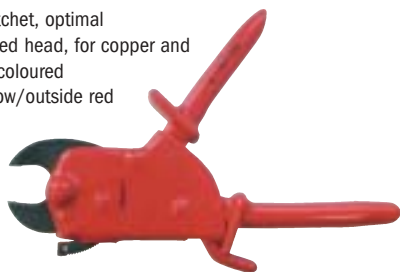
SW ..... size of key  
test ..... test range (Volt)  
weight ..... weight (gr)



### VDE ratchet cable cutters with cover EN 60900

One-hand cable cutter with ratchet, optimal lever-transmission, encapsulated head, for copper and alu-cable, opening 25 mm, 2-coloured coating-insulation - inside yellow/outside red

⚡ 1000 V EN 60900



Art. No.	length	mm <sup>2</sup>	weight	PU
20 01 09	290	240	900	1

### Hacksaw frames EN 60900

fully insulated, 2-coloured coating-insulation - inside yellow/outside red

⚡ 1000 V EN 60900



Art. No.	length	size of blade	weight	PU
11 05 58	200	150	210	1

### Hacksaw frames EN 60900

fully insulated, 2-coloured coating-insulation - inside yellow/outside red

⚡ 1000 V EN 60900



Art. No.	length	size of blade	th	weight	PU
11 05 59	350	300	18 x 8	1005	1

### Cable knives EN 60900

with strong, straight blade, tough elastic plastic handle, blade protector



⚡ 1000 V EN 60900

Art. No.	lob	weight	PU
20 00 00	50	75	6

### Cable knives EN 60900

with hookformed blade, tough elastic plastic handle, blade protector



⚡ 1000 V EN 60900

Art. No.	lob	weight	PU
20 00 02	35	70	6

### Electricians' knives EN 60900

with insulated hookblade, tough elastic plastic handle, blade protector



⚡ 1000 V EN 60900

Art. No.	lob	weight	PU
20 00 03	35	70	6

### Cable knives EN 60900

especially for phases. blade protector



⚡ 1000 V EN 60900

Art. No.	lob	weight	PU
20 00 04	35	70	6

### Cable knives EN 60900

with straight, part insulated, strong blade, tough elastic plastic handle, blade protector



⚡ 1000 V EN 60900

Art. No.	lob	weight	PU
20 00 05	40	70	6

### Cable knives EN 60900

with hook blade, specially for slitting of damproom cable, tough elastic plastic handle, blade protector



⚡ 1000 V EN 60900

Art. No.	lob	weight	PU
20 00 07	50	70	6

### Cable stripping knives EN 60900

tough elastic plastic handle, blade protector, angled



⚡ 1000 V EN 60900

Art. No.	lob	weight	PU
20 00 09	50	95	6

### Cable stripping knives EN 60900

tough elastic plastic handle, blade protector, straight



⚡ 1000 V EN 60900

Art. No.	lob	weight	PU
20 00 13	50	95	6



**Voltage tester "Profi"**

Two-pole voltage tester with LED display

AC and DC voltage measurements from 12 to 690V, polarity, rotary field, continuity tests to 500kOhm and FI/RCD tests can be carried out. The HAUPA voltage tester is by his high type of protection (IP65) also usable in rough conditions.

- optical warning before contact life-threatening voltage
- display for AC and DC voltage from 12 to 690Volt
- display range 12, 24, 48, 120, 230, 400 and 690 Volt
- acoustical continuity test from 0 to 500kOhm
- Schuko and CEE one-hand operating
- Phase detector >100V AC
- CAT III 690V
- Rotary field
- Automatic load
- Captive probe-tip protection
- 30mA FI/RCD triggering
- IP 65 (dust and water proof)
- Approved and certificated TÜV/GS IEC/EN61243-3
- 3 years warranty



New



Art. No.	test	weight	PU
10 38 06	12 - 690	185	1

**Circuit tester „Control“**

Continuity tester with LED torch lamp function, contactless voltage detector, and test leads. The tester comes with five professional functions for working with electrical wiring:

- optical continuity test low-ohm (0-300ohm)
- acoustical continuity test high-ohm (0-2500hm)
- high efficient LED torch lamp
- contactless voltage detector
- phase detector
- IP44 shower water proof
- CAT II 400V
- Approved and certificated TÜV/GS IEC/EN61010
- 3 years warranty



Art. No.	weight	PU
10 06 66	145	1

**Voltage tester "Basic"**

The two pole voltage tester display DC and AC voltage from 6 to 400V in seven steps with LED indicator (6, 12, 24, 50, 120, 230 and 400V), Polarity test and phase location against the ground wire is also able. The robust cabinet with the gummed handle is well in the hand. The "Basic" tester works without any battery. It gets his tension from the test object.

- DC and AC voltage from 6 to 400V
- Phase detector against ground wire
- Polarity check
- Protection IP 44
- TÜV/GS approval in process
- CAT III 400V
- 0 – 60 Hz
- 3 years warranty



Art. No.	test	weight	PU
10 38 00	6 - 400	145	1

**Voltage testers VDE/GS**

5 mm surrounding hand-protection, clip of insulating material, fixed installed scale with dark background

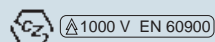


Art. No.	test	length	weight	PU
10 07 00	125 - 250	190	25	1

## T-Handle socket wrenches



chrome vanadium steel, insulated, for hexagon nuts, DIN 7440, VDE 0680/2/3.78, 0682/201, 2-coloured coating-insulation - inside yellow/ outside red

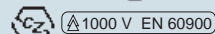
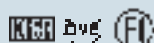


Art. No.	size	shank	handle	weight	PU
11 00 00	10	200	160	310	1
11 00 02	11	200	160	315	1
11 00 04	12	200	160	320	1
11 00 06	13	200	160	320	1
11 00 08	14	200	160	325	1
11 00 10	17	200	160	380	1
11 00 12	19	200	160	420	1
11 00 22	11	300	160	370	1
11 00 24	12	300	160	375	1
11 00 26	13	300	160	380	1
11 00 28	14	300	160	385	1
11 00 30	17	300	160	560	1
11 00 32	19	300	160	680	1
11 00 34	22	300	160	810	1
11 00 36	24	300	160	990	1

## Right angle Allen keys



chrome vanadium steel, for hexagon socket screws, full insulated acc. to VDE EN 60900, 2-coloured coating-insulation - inside yellow/ outside red



Art. No.	size	of key	weight	PU
11 00 42	3		40	1
11 00 44	4		40	1
11 00 46	5		50	1
11 00 48	6		70	1
11 00 50	8		130	1
11 00 52	10		180	1
11 00 54	12		210	1

## T-handle Allen keys



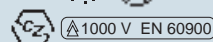
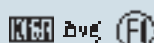
chrome vanadium steel, for screws with hexagon inserts, full insulated acc. to VDE 0682/201, 2-coloured coating-insulation - inside yellow/ outside red



Art. No.	size	of key	weight	PU
11 00 60	5		165	1
11 00 62	6		175	1
11 00 64	8		200	1

## Cross type socket wrenches

chrome vanadium steel, no contact with steel insert, fully insulated acc. to VDE 0680/2/3.78, 2-coloured coating-insulation - inside yellow/ outside red



Art. No.	size	size of key	length	weight	PU
11 00 70	1	10-11-14-17	200	225	1
11 00 74	3	11-12-13-17	200	225	1
11 00 76	4	10-13-14-17	200	225	1
11 00 78	5	11-13-14-17	200	225	1
11 00 80	6	13-17-19-22	200	360	1

## Counter hold spanners

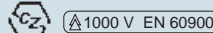
chrome vanadium steel (31 CrV 3), 2-coloured coating-insulation - inside yellow/ outside red.



Art. No.	size	length	weight	PU
11 00 81	10	200	120	1
11 00 83	12	200	120	1
11 00 84	13	200	140	1
11 00 85	14	250	150	1
11 00 87	16	260	250	1
11 00 89	17	270	255	1
11 00 91	18	265	250	1
11 00 93	19	270	275	1
11 00 95	20	275	300	1
11 00 97	22	275	300	1
11 00 99	24	270	350	1

## Single ended spanners

chrome vanadium steel, fully insulated acc. to VDE EN 60900, offset at 15°, 2-coloured coating-insulation - inside yellow/ outside red



Art. No.	size	length	th	weight	PU
11 02 60	6	75	3	10	1
11 02 62	7	80	3,5	20	1
11 02 64	8	85	3,5	20	1
11 02 66	9	100	4	20	1
11 02 68	10	120	5	30	1
11 02 70	11	130	5,5	40	1
11 02 72	12	140	5,5	50	1
11 02 74	13	155	6	60	1
11 02 76	14	170	6	70	1
11 02 78	17	185	6,5	100	1
11 02 80	19	210	7,5	160	1
11 02 82	22	230	8,5	230	1
11 02 84	24	250	9,5	250	1
11 02 86	27	290	11,5	260	1
11 02 88	30	345	13	380	1
11 02 90	32	350	15	400	1

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## Ring spanners

chrome vanadium steel, fully insulated acc. to VDE EN 60900, offset at 75°, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	size	length	weight	PU
11 03 00	6	140	40	1
11 03 02	7	140	40	1
11 03 04	8	150	40	1
11 03 06	9	155	40	1
11 03 08	10	160	70	1
11 03 10	11	170	80	1
11 03 12	12	180	120	1
11 03 14	13	195	130	1
11 03 16	14	205	150	1
11 03 18	17	240	180	1
11 03 20	19	260	240	1
11 03 22	22	280	300	1
11 03 24	24	280	340	1

## Adjustable wrenches to DIN 3117 A

steel forged, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	length	a-range	weight	PU
11 05 55	200	to 26 mm	370	2
11 05 56	250	to 31 mm	460	2
11 05 57	300	to 36 mm	550	2

## Torque wrenches

3/8"

reversible ratchet system, fully insulated acc. to VDE EN 60900, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	square	a-range	length	weight	PU
11 00 56 EN	3/8"	5 - 27 Nm	280	920	1
11 00 65 EN	3/8"	5 - 50 Nm	370	1070	1

## Torque wrenches

1/2"

reversible ratchet system, fully insulated acc. to VDE EN 60900, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	square	a-range	length	weight	PU
11 00 58 EN	1/2"	5 - 27 Nm	280	930	1
11 00 66 EN	1/2"	5 - 50 Nm	370	1100	1
11 00 67 EN	1/2"	20 - 100 Nm	460	1200	1
11 00 68 EN	1/2"	60 - 220 Nm	530	1300	1

## Reversible ratchets

1/2" 3/8"

full insulated acc. to VDE EN 60900, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	square	length	weight	PU
11 03 31 EN	3/8"	190	130	1
11 03 32 EN	1/2"	255	500	1

## Locked torque wrenches

3/8"

reversible ratchet system, adjustable valve between 5-27 Nm, fully insulated acc. to VDE EN 60900, 2-coloured coating-insulation - inside yellow/outside red Please specify the attitude you need.

1000 V EN 60900



Art. No.	square	length	weight	PU
30 03 10 EN	3/8"	280	900	1

## Locked torque wrenches

1/2"

reversible ratchet system, adjustable valve between 5-27 Nm, fully insulated acc. to VDE EN 60900, 2-coloured coating-insulation - inside yellow/outside red Please specify the attitude you need.

1000 V EN 60900



Art. No.	square	length	weight	PU
30 03 12 EN	1/2"	280	1000	1

## Socket T-wrenches

3/8" 1/2"

chrome vanadium steel, tempered, with locking device against accidental loosening of sockets or extensions, full insulated according to VDE 0680/2/3.78, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	screws M	shank	handle	weight	PU
11 00 39 EN	3/8"	200	160	500	1
11 00 40 EN	1/2"	200	160	500	1

a-range ..... adjusting range  
Cth ..... cutting thickness (mm)  
CW ..... cutting with (mm)

IM ..... inside measurement (mm)  
length ..... total length (mm)  
lob ..... length of blade (mm)

M ..... for screws M  
M - M ..... for screws M - M  
PU ..... packing unit in pieces

SW ..... size of key  
test ..... test range (Volt)  
weight ..... weight (gr)



## Extensions

1/2" 3/8"

with locking device against accidental loosening of sockets or extensions, fully insulated acc. to VDE EN 60900, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	square	length	weight	PU
11 03 37 EN	3/8"	125	170	1
11 03 35 EN	3/8"	250	280	1
11 03 36 EN	1/2"	125	220	1
11 03 38 EN	1/2"	250	420	1

## Hexagon sockets

1/2" 3/8"

1/2" square drive, 4 edge drive, fully insulated acc. to VDE EN 60900, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	size of key	length	weight	PU
11 03 39 EN	8	50	80	1
11 03 40 EN	10	50	80	1
11 03 42 EN	11	50	80	1
11 03 44 EN	12	50	80	1
11 03 46 EN	13	50	80	1
11 03 48 EN	14	50	80	1
11 03 50 EN	17	50	100	1
11 03 52 EN	19	50	100	1
11 03 54 EN	22	50	110	1
11 03 56 EN	24	50	130	1
11 03 58 EN	27	50	160	1
11 03 60 EN	30	50	190	1
11 03 62 EN	32	50	210	1

## Hexagon sockets

3/8" 1/2"

3/8" square drive, 4 edge drive, fully insulated acc. to VDE EN 60900, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	size of key	length	weight	PU
11 03 63 EN	8	40	70	1
11 03 64 EN	9	40	70	1
11 03 65 EN	10	40	70	1
11 03 66 EN	11	40	70	1
11 07 00 EN	12	40	70	1
11 03 67 EN	13	40	70	1
11 03 71 EN	14	40	70	1
11 03 68 EN	17	40	70	1
11 03 69 EN	19	40	70	1
11 07 02 EN	22	40	70	1

## Hexagon sockets DIN 7448

1/2"

extra long, 1/2" square drive, 4 edge drive, fully insulated acc. to VDE EN 60900, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	size of key	length	weight	PU
11 03 73 EN	10	80	110	1
11 03 74 EN	11	80	110	1
11 03 75 EN	13	80	110	1
11 03 76 EN	14	80	110	1
11 03 77 EN	17	80	110	1
11 03 78 EN	19	80	110	1
11 03 79 EN	22	80	110	1

## Fittings for hexagon socket screws

3/8" 1/2"

3/8" square drive, 4 edge drive, made of chrome vanadium steel, forged, oil hardened, fully insulated acc. to VDE EN 60900, 2-coloured coating-insulation - inside yellow/ outside red



Art. No.	size of key	length	weight	PU
30 03 02 EN	4	65	45	1
30 02 96 EN	5	65	50	1
30 02 98 EN	6	65	50	1
30 02 99 EN	8	65	65	1
30 03 05 EN	10	65	65	1

## Fittings for hexagon socket screws

1/2"

1/2" square drive, 4 edge drive, made of chrome vanadium steel, forged, oil hardened, fully insulated acc. to VDE EN 60900, 2-coloured coating-insulation - inside yellow/outside red



Art. No.	size of key	length	weight	PU
30 02 94 EN	4	70	80	1
30 02 97 EN	5	70	80	1
30 02 95 EN	6	70	85	1
30 03 03 EN	8	70	95	1
30 03 06 EN	10	70	95	1

## Torque stoppers

3/8"

with short extension, locable for all sockets with 3/8" drive, fully insulated acc. to VDE EN 60900, 2-coloured coating-insulation - inside yellow/outside red

1000 V EN 60900



Art. No.	square	a-range	weight	PU
11 04 56 EN	3/8"	12 Nm	310	1
11 04 57 EN	3/8"	18 Nm	310	1
11 04 58 EN	3/8"	25 Nm	310	1

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### Plastic wedges

with bright slot for all common cable cutters, oval form without sharp edges

⚠ 1000 V EN 60900



Art. No.	size	weight	PU
12 01 02	225 x 45	225	1

### Plastic wedges

without slot, oval form without sharp edges, long version with large head

⚠ 1000 V EN 60900



Art. No.	size	weight	PU
12 01 00	200 x 25	55	1

### Wedges

wood or plastic



Art. No.	size	Dimension	type	material	weight	PU
12 00 98	1	16,3 x 3,7	without groove	wood	50	1
12 00 99	2	16,3 x 3,7	with groove	wood	50	1
12 00 94	1	16,3 x 3,7	without groove	plastic	50	1
12 00 97	2	16,3 x 3,7	with groove	plastic	50	1

### Cleaning brushes Safety Line

PVC-pattern

⚠ 1000 V



Art. No.	length	width	weight	PU
15 00 36	420	25	50	1
15 00 37	420	38	50	1
15 00 38	420	50	100	1

### Electrician's safety levels

nonconducting plastic material, with level and plumb



Art. No.	length	width	height	weight	PU
24 00 57	400	24	52	200	1
24 00 58	600	24	52	250	1

### PVC hammer EN 60900

Bounce-free, head of polyethylen, break-, wear- and splinter-proof, heads interchangeable

⚠ 1000 V EN 60900



Art. No.	Ø	length	weight	PU
18 02 95	25	290	540	1
18 02 97	35	290	790	1

### Combined dowel and contact spanners

may be used for screws 2 - 63 A by changing the insert, handle made from insulating material



Art. No.	length	weight	PU
12 00 02	105	40	6

### Insulated tweezers VDE EN 60900

austenitic steel, pointed, PVC-insulated

⚠ 1000 V EN 60900



Art. No.	length	weight	PU
21 10 60	130	26	1

### Insulated tweezers VDE EN 60900

austenitic steel, pointed round, bent, PVC-insulated



⚠ 1000 V EN 60900



Art. No.	length	weight	PU
21 10 62	145	32	1

### Insulated tweezers VDE EN 60900

austenitic steel, wide round, flat, PVC-insulated



⚠ 1000 V EN 60900



Art. No.	length	weight	PU
21 10 64	145	42	1

a-range ..... adjusting range  
Cth ..... cutting thickness (mm)  
CW ..... cutting with (mm)

IM ..... inside measurement (mm)  
length ..... total length (mm)  
lob ..... length of blade (mm)

M ..... for screws M  
M - M ..... for screws M - M  
PU ..... packing unit in pieces

SW ..... size of key  
test ..... test range (Volt)  
weight ..... weight (gr)

### Tool case EN 60900

made of plastic, complete with 3/8" tools. Dimension: 450 x 340 x 100 mm

Contents:

Reversible ratchet	3/8"
Extension	125 mm 3/8"
Extension	250 mm 3/8"
T-slip-on-keys	3/8"
8 Sockets	3/8" (10, 12, 13, 14, 17, 19, 22, 24 mm)
3 Dies for hexagon screws	3/8", 5, 6, 8 mm
1 Torque stopper	(12 to 25 Nm)
1 Screwdriver	3,5 x 100 mm



1000 V EN 60900



Art. No.	set	weight	PU
22 01 47	17-pieces 3/8"	3200	1

### Tool case EN 60900

made of plastic, complete with 1/2" tools. Dimension: 450 x 340 x 100 mm

Contents:

1 Reversible ratchet	1/2"
1 Extension	125 mm 1/2"
1 Extension	250 mm 1/2"
1 Slip-on-keys	1/2"
8 Sockets	1/2" (10, 12, 13, 14, 17, 19, 22, 24 mm)
3 Dies for hexagon screws	1/2", 5, 6, 8 mm
1 Screwdriver	3,5 x 100 mm



1000 V EN 60900



Art. No.	set	weight	PU
22 02 05	16-pieces 1/2"	3000	1

### Tool case „Real“

made of plastic, complete with 20 security tools according to VDE EN 60900.

Dimension: 450 x 340 x 100 mm. Contents:

Combination pliers	200 mm
Side cutter	160 mm
Telephone plier, straight	200 mm
Wire stripping pliers	200 mm
Flat nose pliers	160 mm
Round nose pliers	160 mm
Mains tester	
Electrician's screwdriver	2,5 x 75 mm
Electrician's screwdriver	3,5 x 100 mm
Electrician's screwdriver	5,5 x 125 mm
Electrician's screwdriver	6,5 x 150 mm
Electrician's screwdriver	8 x 175 mm
Electrician's screwdriver	10 x 200 mm
Cross slotted screwdriver	PH size 1
Nut driver	5 mm
Nut driver	8 mm
Nut driver	10 mm
Nut driver	13 mm
2 Cable knives	



1000 V EN 60900



Art. No.	set	weight	PU
22 01 48	20-pieces	4200	1

### Tool case „Biber“

made of plastic, complete with 26 security tools according to VDE EN 60900.

Dimension: 450 x 340 x 100 mm.

Contents:

Combination pliers	200 mm
Side cutter	160 mm
Telephone pliers, straight	200 mm
Reversible Ratchet	1/2"
Extension	250 mm, 1/2"
2 Cable knives	
7 socket, 1/2"	10, 11, 12, 13, 14, 17, 19 mm
7 open end spanner	10, 11, 12, 13, 14, 17, 19 mm
Voltage tester	
Electrician's screwdriver	3,5 x 100 mm
Electrician's screwdriver	5,5 x 125 mm
Electrician's screwdriver	6,5 x 150 mm
Electrician's screwdriver	8 x 175 mm



1000 V EN 60900



Art. No.	set	weight	PU
22 01 46	26-pieces	4180	1



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**Tool case „Delux“**

of signal-red leather, with 54 safety tools and safeguard appliance according to VDE EN 60900, case 22 01 42 containing:

Telephone pliers	straight
Telephone pliers	bent
Combination pliers	185 mm
Side cutter	165 mm
Wire stripping pliers	
Plastic pliers	180 mm
Electrician's screwdriver	75 mm
Electrician's screwdriver	100 mm
Electrician's screwdriver	125 mm
Electrician's screwdriver	150 mm
Cross slotted screwdriver	PH size 1
Cross slotted screwdriver	PH size 2
Nut driver	5,5 mm
Nut driver	7,0 mm
Nut driver	8,0 mm
Nut driver	10,0 mm
Voltage tester „DUSPOL“	
Socket	size 10
Socket	size 11
Socket	size 12
Socket	size 13
Socket	size 14
Socket	size 15
Socket	size 16
Reversible ratchet	1/2"
T-sliding handle	1/2"
Open end spanner	SW 10
Open end spanner	SW 12
Open end spanner	SW 13
Open end spanner	SW 19
Open end spanner	SW 22
Open end spanner	SW 24
Cable knives	
Cable scissors	200 mm
Slip-on bushes 5-pieces	No. 1, 10 mm
Slip-on bushes 5-pieces	No. 2, 10 mm
Slip-on bushes 5-pieces	No. 3, 10 mm
Plastic clamps	
Covering tape, grey	
Covering tape, red	
Safety grip	
Gloves	size 9



1000 V EN 60900



Art. No.	set	weight	PU
22 01 35	54-pieces	13500	1

**Tool case „Rotor“**

of signal-red leather, with 47 safety tools and safeguard appliance according to VDE EN 60900, case 22 01 42 containing:

Combination pliers	185 mm
Side cutter	165 mm
Wire stripping pliers	
Round nose pliers	160 mm
Plastic clamp	
Gloves	size 10
Screwdriver	60 mm
Screwdriver	75 mm
Screwdriver	100 mm
Safety grip	
Nut driver	size 6
Nut driver	size 7
Nut driver	size 8
Nut driver	size 9
Rubber towels	1000 mm
5 slip-on-bushes	size 1, 10 mm
5 slip-on-bushes	size 2, 10 mm
5 slip-on-bushes	size 3, 10 mm
5 slip-on-bushes	10 mm
5 slip-on-bushes	20 mm
5 slip-on-bushes	30 mm
Cable knives	
Mains tester	150 - 250 V



1000 V EN 60900



Art. No.	set	weight	PU
22 01 40	47-pieces	7845	1

**Tool case „Magister“**

of signal-red leather, with many compartements for tools, empty



Art. No.	length	width	height	weight	PU
22 01 42	440	165	260	2300	1

a-range ..... adjusting range  
Cth ..... cutting thickness (mm)  
CW ..... cutting with (mm)

IM ..... inside measurement (mm)  
length ..... total length (mm)  
lob ..... length of blade (mm)

M ..... for screws M  
M - M ..... for screws M - M  
PU ..... packing unit in pieces

SW ..... size of key  
test ..... test range (Volt)  
weight ..... weight (gr)



### Tool case „Leopard“

rigid case, signal-red, complete with 32 safety-tools and safeguard appliance according to VDE EN 60900 (480 x 180 x 310 mm)

Contents:

Round Nose pliers	160 mm
Telephone pliers, straight	200 mm
Telephone pliers, bent	200 mm
Combination pliers	185 mm
Side Cutter	165 mm
Wire stripping pliers	160 mm
Retaining screwdriver	100 mm
Retaining screwdriver	125 mm
Retaining screwdriver	cross-slotted
Hexagon Angle screwdriver	6 mm
Hexagon Angle screwdriver	8 mm
Electrician's screwdriver 75 mm	
Electrician's screwdriver 100 mm	
Electrician's screwdriver	150 mm
Electrician's screwdriver 175 mm	
Electrician's screwdriver 200 mm	
Cross Slotted screwdriver, Phillips	No. 1
Cross Slotted screwdriver, Phillips	No. 2
Cross Slotted screwdriver, Pozidriv	No. 1
Cross Slotted screwdriver, Pozidriv	No. 2
Nut Driver	5,5 mm
Nut Driver	6 mm
Nut Driver	7 mm
Nut Driver	8 mm
Voltage Tester "DUSPOL"	110 - 750 Volt
Cable knife	insulated
Cable knife	
Cable Scissor	
Plastic Plier	180 mm
Covering Tape, red	10 m
NH-Safety Grip	
Gloves	size 9



1000 V EN 60900



Art. No.	set	length	width	height	weight	PU
22 01 36	32-pieces	480	165	350	9950	1

### Tool case „Venus Plus“

rigid case, signal-red, complete with 32 safety-tools and safeguard appliance according to VDE EN 60900 (460 x 180 x 310 mm).

Contents:

Round Nose pliers	160 mm
Telephone pliers, straight	200 mm
Telephone pliers, bent	200 mm
Combination pliers	185 mm
Side Cutter	165 mm
Wire stripping pliers	160 mm
Retaining screwdriver	100 mm
Retaining screwdriver	125 mm
Retaining screwdriver	cross-slotted
Hexagon Angle screwdriver	6 mm
Hexagon Angle screwdriver	8 mm
Electrician's screwdriver	75 mm
Electrician's screwdriver	100 mm
Electrician's screwdriver	150 mm
Electrician's screwdriver	175 mm
Electrician's screwdriver	200 mm
Cross Slotted screwdriver, Phillips	No. 1
Cross Slotted screwdriver, Phillips	No. 2
Cross Slotted screwdriver, Pozidriv	No. 1
Cross Slotted screwdriver, Pozidriv	No. 2
Nut Driver	5,5 mm
Nut Driver	6 mm
Nut Driver	7 mm
Nut Driver	8 mm
Voltage Tester "DUSPOL"	110 - 750 Volt
Cable knife	insulated
Cable knife	
Cable Scissor	
Plastic Plier	180 mm
Covering Tape, red	10 m
NH-Safety Grip	
Gloves	size 9



1000 V EN 60900



Art. No.	set	length	width	height	weight	PU
22 00 33	32-pieces	460	180	310	9980	1



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### Tool case „Venus“

rigid case, made of ABS-plastic material, signal-red, empty, suitable especially for safety-tools, excellent rib-profile on the outside, high-quality locks, inside with separation for documents, 2 plates with compartments for several tools, 1 tray of ABS-plastics with separations for individual divisions. Inside measurement: 460 x 180 x 310 mm



Art. No.	length	width	height	weight	PU
22 00 32	460	180	310	5500	1

### Tool case „Pendant“

rigid case, signal red, with Alu frame and 2 locks, with 3 plates with many compartments for tools



Art. No.	length	width	height	weight	PU
22 00 76	470	160	320	5500	1

### Tool folding bags „Rebell“

special synthetic material, with snap lock, signal-red, with 12 compartments for tools acc. to VDE EN 60900



Art. No.	length	width	height	weight	PU
22 00 16	300	50	230	980	1

### VDE/GS - Tool sets EN 60900

with VDE EN 60900, in red coloured plastic wallet  
11-pieces, Contents: 1 Comb. pliers 185 mm, 1 Round nose pliers 160 mm, 1 Side cutter 165 mm, 1 Wire stripping pliers, 1 Screwdriver 75 mm, 1 Screwdriver 100 mm, 1 Screwdriver 125 mm, 1 Screwdriver 150 mm, 1 Cross slotted screwdriver PH No. 1, 1 Nut driver 7 mm, 1 Voltage tester 100 - 1250 V



1000 V EN 60900



Art. No.	set	weight	PU
22 01 30	11-pieces	2600	1

### Single ended tool set acc. to VDE EN 60900

in tool wallet of black imitation leather. Contents: 8 single ended tools of chrom vanadium steel, offset at 15°, 2-coloured coating-insulation - inside yellow/outside red.

populated with:	Art. No.	size of key	length mm	strength
	11 02 68	10	120	5
	11 02 70	11	130	5,5
	11 02 72	12	140	5,5
	11 02 74	13	155	6
	11 02 76	14	170	6
	11 02 78	17	185	6,5
	11 02 80	19	210	7,5
	11 02 82	22	230	8,5



1000 V EN 60900



Art. No.	set	PU
22 00 17	8-pieces	1

### VDE security set EN 60900

Bag of imitation leather, for working under tension up to 1000 V, acc. to EN 60900.

Contents: 10-pieces: 1 piece each 2K-VDE electricians screwdrivers VDE EN 60900 2,5 x 75 mm, 4 x 100 mm, 5,5 x 125 mm, 6,5 x 150 mm, 1 pc each 2C-VDE cross slotted Screwdrivers Pozidriv VDE EN 60900 size 1 and 2, Combination pliers VDE EN 60900 185 mm, Diagonal cutters VDE EN 60900 185 mm, Voltage tester "Profipol" CE 12-400~ V and 12-500 V, Cable stripping knife VDE EN 60900 35 mm



1000 V EN 60900



Art. No.	set	PU
22 00 14	10-pieces	1

a-range ..... adjusting range  
Cth ..... cutting thickness (mm)  
CW ..... cutting with (mm)

IM ..... inside measurement (mm)  
length ..... total length (mm)  
lob ..... length of blade (mm)

M ..... for screws M  
M - M ..... for screws M - M  
PU ..... packing unit in pieces

SW ..... size of key  
test ..... test range (Volt)  
weight ..... weight (gr)

## Tool case "HAUPA – LIFESAVER"

Aluminium Case, equipped with 66 Safety – Articles according to VDE EN 60900 respectively CE. Size: 830 mm x 550 mm x 300 mm, weight: 37,- kilos

• VDE Socket wrench	5	mm
• VDE Socket wrench	5,5	mm
• VDE Socket wrench	7	mm
• VDE Socket wrench	8	mm
• VDE Socket wrench	10	mm
• VDE Socket wrench	11	mm
• VDE Socket wrench	13	mm
• Euro-Voltage-Tester		
• VDE Screwdriver	2,5 x 75	mm
• VDE Screwdriver	3 x 100	mm
• VDE Screwdriver	4 x 100	mm
• VDE Screwdriver	5,5 x 125	mm
• VDE Screwdriver	6,5 x 150	mm
• VDE Cross-slotted-Screwdriver Phillips	Size 1	
• VDE Cross-slotted-Screwdriver Phillips	Size 2	
• VDE Screwdriver Pozidrive	Size 0	
• VDE Screwdriver Pozidrive	Size 1	
• VDE Screwdriver Pozidrive	Size 2	
• VDE Right Angle-Allen	Key 3	
• VDE Right Angle-Allen	Key 4	
• VDE Right Angle-Allen	Key 5	
• VDE Right Angle-Allen	Key 6	
• VDE Right Angle-Allen	Key 8	
• VDE Right Angle-Allen	Key 10	
• VDE Right Angle-Allen	Key 12	
• VDE Open-End Spanner	6	
• VDE Open End Spanner	7	
• VDE Open End Spanner	8	
• VDE Open End Spanner	9	
• VDE Open End Spanner	10	
• VDE Open End Spanner	11	
• VDE Open End Spanner	12	
• VDE Open End Spanner	13	
• VDE Open End Spanner	14	
• VDE Open End Spanner	17	
• VDE Open End Spanner	19	
• VDE Open End Spanner	22	
• VDE Open End Spanner	24	
• VDE Open-End Spanner	27	
• VDE Open End Spanner	30	
• VDE Open End Spanner	32	
• Spanner for Switch-Cabinets		
• Finger gloves	Size 10	
• VDE Safety Face mask		
• VDE Safety grip		
• VDE Electricians Boots	Size 42	
• VDE Insulating floor mat		
• VDE Rubber towels	600	mm
• VDE Plastic clip	160	mm (2-pieces)
• Slip-on Busches	10	mm (4-pieces)
• Safety belt	1400	mm
• Fallstop-Breaking device and rope shortening	2	m
• VDE Knife with strong blade		
• VDE Cable cutter	200	mm
• VDE Combination pliers	185	mm
• VDE Side cutter	180	mm
• VDE Long chain nose pliers	200	mm
• VDE Wire stripping pliers	165	mm
• VDE Tweezer, pointed round	150	mm
• Fall breaking belt	Typ A	



Art. No.	length	width	height	weight	PU
22 04 00	830	550	300	37000	1

⚡ 1000 V EN 60900

You can find more tool cases in this catalogue in "Standard program" from page 168.

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### Finger gloves acc. to DIN EN 60903

made from Latex, for operating voltages up to 500, 1000, 7500, 15000, 17000 to 26500 volt.



Art. No.	Volt	length	strength	size	weight	PU
12 00 04	500	350	ca. 0,5	9	425	1
12 00 05	500	350	ca. 0,5	10	425	1
12 00 06	1000	400	1	9	425	1
12 00 07	1000	400	1	10	425	1
12 00 06 561	7500	400	1,5	10	425	1
12 00 06 563 S	15000	400	1,5	10	425	1
12 00 06 564 S	17000	400	2,3	10	425	1
12 00 06 587	26500	400	2,9	10	425	1

### Heat protection gloves EN 407 411

Inner glove for heat insulation according to EN 407, flame resistant, made from NOMEX III, heat insulation for contact and insulation against convective heat



Art. No.	weight	PU
12 00 11	70	1

### Cotton gloves for putting underneath

short cotton gloves to wear with latex-gloves

Art. No. 12 00 04 - 12 00 07



Art. No.	weight	PU
12 00 03	50	1

### Safety fuse grips

with slip off protection and protection sleeve, for low voltage (NH) fuses class 00 - 3, protective sleeve made from smooth, impregnated leather



Art. No.	weight	PU
12 00 12	245	1

### Electricians' protection helmets acc. to DIN EN 397

adjustable head size



1000 V EN 60900



Art. No.	colour	weight	PU
12 00 08	green	350	1
12 00 08/G	yellow	350	1
12 00 08/W	white	350	1
12 00 08/R	red	350	1

### Electricians' boots acc. to VDE 0680/1

size 42 to 48



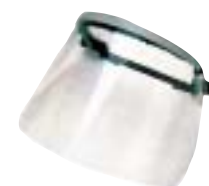
Art. No.	size	weight	PU
12 00 14	42	2160	1
12 00 15	43	2160	1
12 00 16	44 - 45	2160	1
12 00 17	46	2160	1
12 00 18	47 - 48	2160	1

### Safety-face masks VDE 0680/1

for protection against arc faults



1000 V



Art. No.	colour	weight	PU
12 00 10	transparent	300	1

### Electricians protection visor acc. to EN 166

Protection against short circuit lighting, vision screen of acetate, glassy, transparent forehead protection, convenient head mounting and individual adjustable



1000 V



Art. No.	colour	weight	PU
15 03 77	transparent	330	1

a-range ..... adjusting range  
Cth ..... cutting thickness (mm)  
CW ..... cutting with (mm)

IM ..... inside measurement (mm)  
length ..... total length (mm)  
lob ..... length of blade (mm)

M ..... for screws M  
M - M ..... for screws M - M  
PU ..... packing unit in pieces

SW ..... size of key  
test ..... test range (Volt)  
weight ..... weight (gr)



### Safety glasses „Die Funktionelle“

up-to-date design, high carrying comfort and safety, with side plates and upper eye border protection to avoid entering of particles



Art. No.	weight	PU
12 00 80	28	1

### Safety glasses

athletic full-disk-glass acc. EN 166, low weight(30g), clip-length and inclination adjustable, hard-coated disk



Art. No.	weight	PU
12 00 81	30	1

### Safety glasses „Die Modische“

with modern polyamid-frame, side plates, portable and very closely to face and cheek, with double nose-strap, design tortoise-shell



Art. No.	weight	PU
12 00 82	28	1

### Safety glasses

single pane glasses with optimized curve of 9 dioption, covers the eyes closely, distortion and eyestrain free, unlimited wearing possible, leaning adjustable, strong pane suitable against the risk against mechanical risks like loose metal parts.



Art. No.	weight	PU
12 00 83	30	1

### Top safety glasses „Maxima“

black, with soft inside frame, made of thermoplast material, which guarantees a high carrying-comfort and shock-absorption, scrape- and chemical resistant, UV-absorbant, antistatic, antidamping, design Polyamid 6,3 T



Art. No.	weight	PU
12 00 90	35	1

### Ear defenders

medium noise-reduction, fully insulated plastic design



Art. No.	colour	weight	PU
12 01 10	red	200	1

### Ear defenders

good noise-reduction, high carrying-comfort, cushion adjustable



Art. No.	colour	weight	PU
12 01 12	blue	200	1

### Dust masks

light type, made of filter-fleece, against fine particulate



Art. No.		weight	PU
12 01 20	filterclass P 1	10	1
12 01 22	filterclass P 2	10	1

### Climping irons acc. to DIN 48 345

postal-type, with 2 points, offset foot-plate and wide leather heel cap, width of points 260 mm, for wooden posts of 150 - 240 mm diam.



Art. No.	weight	PU
15 02 80	4050	1

### Climping irons

drop forged steel, 3 points, interchangeable frame, strong leather, for pales of 110 - 260 mm, for every size of shoes



Art. No.		weight	PU
15 02 86	smal cap	4150	1
15 02 88	wide cap	4300	1

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### Safety trousers IPS acc. to DIN VDE 0680 part 1 E

band trousers, adjustable elastic braces, outside pocket with plate, colour signal-red, similar to DIN IEC 304, 500 volt



Art. No.		weight	PU
12 00 22		2000	1
15 03 00	bag for storing	800	1

### Safety Jacket IPS acc. to DIN VDE 0680 part 1 E

length 90 cm, with sewed on cowl, breast pocket with plate, colour signal-red, similar to DIN IEC 304, 500 volt



Art. No.	size	weight	PU
12 00 20	S, M, L, XL	2000	1
15 03 00		800	1

### Safety-sets VDE/GS

in practical bag, 6-pieces

Contents: Electricians' helmet, safety mask, safety handle, gloves size 9 (1000 V), insulating mat 1000 x 1000 x 4 mm



Art. No.	set	weight	PU
30 02 28	6-pieces	7500	1
30 02 29	5-pieces (without insulating mat)	2500	1

### Safety belts acc. EN 358

safety belt universal for all sizes, length 1,50 meter



Art. No.	weight	PU
15 02 40	1110	1

### Safety ropes acc. to A-DIN 83330

Safety ropes with hand loop and safety spring hooks acc. to A-DIN 5290.

Type: 16 mm drilled polyamide rope



Art. No.	length	Ø	weight	PU
15 02 62	5 m	16	1200	1
15 02 64	10 m	16	2040	1
15 02 66	15 m	16	2810	1
15 02 68	20 m	16	3350	1

### Fallstop acc. to EN 354

Breaking device and rope shortening acc. to EN 355, length 2 m, one hand spring hooks on both sides



Art. No.	length	weight	PU
15 02 74	2 m	175	1

### Safety harness DIN EN 361

Universal harness, rapid adjustment of shoulder strap (orange, 45 mm), body strap (orange, 45 mm) and leg straps (blue, 45 mm), fits all sizes, 1 back D ring, 2 side rings, lightweight, comfortable fabric. The forces that develop during a fall are transferred to less sensitive parts of the body



Art. No.	weight	PU
15 02 70	1500	1

a-range ..... adjusting range  
Cth ..... cutting thickness (mm)  
CW ..... cutting with (mm)

IM ..... inside measurement (mm)  
length ..... total length (mm)  
lob ..... length of blade (mm)

M ..... for screws M  
M - M ..... for screws M - M  
PU ..... packing unit in pieces

SW ..... size of key  
test ..... test range (Volt)  
weight ..... weight (gr)

### Travelling safety device DIN 353-2, Type ASK 1

**Rope shortener function:** takes up slack rope and thus reduces height of the fall.

**Fall absorber function:** in the case of a fall this limits the catching impact to a medically acceptable level of 6 kN.

**Features:** Rope shortener made from V2A stainless steel, connection band with integrated fall absorber and self-securing trigger snap, high level of functional safety and absolutely maintenance free due to simplest mechanism, cannot be operated incorrectly, as every device is firmly attached to the rope.



Art. No.	length	rope-Ø	weight	PU
15 02 75	5 m	12 mm	230	1
15 02 76	10 m	12 mm	270	1
15 02 77	15 m	12 mm	310	1
15 02 78	20 m	12 mm	490	1
15 02 79	25 m	12 mm	600	1

### Personal safety set

Safety harness (15 02 70), safety device (15 02 77) and shock absorbing rope (15 m) in practical backpack



Art. No.	set	weight	PU
15 02 58	4-pieces	2200	1

### Insulating floor mats acc. to VDE 0303

with anti-skid surfaces



Art. No.	size		colour	Volt	weight	PU
12 00 30	1 m x 1 m	x 4 mm	grey	20.000	4500	1
12 00 31	10 m x 1 m	x 4 mm	role grey	20.000	45000	1

### Rubber towels acc. to VDE 0680/1

grease and acid-proof, for covering of live equipment



△ 1000 V



Art. No.	length	width	strength	weight	PU
12 00 40	120	120	1,6	35	1
12 00 42	350	250	1,6	220	1
12 00 44	600	600	1,6	910	1
12 00 46	1000	1000	1,6	2600	1
12 00 48	1200	1200	2,5	3200	1

### Covering blankets transparent

acc. to VDE EN 0680 part 1, special character 1000 V and VDE-GS-sign, transparent, UV-proofed



△ 1000 V



Art. No.	length	width	strength	weight	PU
12 02 00	50000	1300	0,5	41500	1
15 03 22	25000	1200	1,0	38000	1

### Covering blankets transparent

acc. to VDE EN 0680 part 1, special character 1000 V and VDE-GS-sign, transparent, UV-proofed



△ 1000 V



Art. No.	length	width	strength	weight	PU
15 03 02	1000	600	1,0	750	1
15 03 04	1000	600	0,5	375	1
15 03 06	1000	400	1,0	520	1
15 03 08	1000	400	0,5	260	1
15 03 10	1000	300	1,0	380	1
15 03 12	1000	300	0,5	190	1
15 03 14	600	400	1,0	340	1
15 03 16	600	400	0,5	170	1
15 03 18	400	300	1,0	170	1
15 03 20	400	300	0,5	85	1

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### Flat nose pliers

all of plastic, specially for mounting and blocking of electricmeters

⚠ 1000 V EN 60900



Art. No.	length	weight	PU
12 00 52	180	150	1

### Plastic clips

for fastening of rubber towels



Art. No.	length	weight	PU
12 00 49	80	25	1
12 00 50	160	45	1

### Self adhesive PVC tape

VDE 0340/T1/5.75, temperature area - 10 to + 90° C, 100 x 0,15 mm



Art. No.	colour	tot. length	weight	PU
12 00 95	grey	10	150	1
12 00 96	red	10	150	1

### Slip on bushes

for protective covering of bare live cable terminals, numbered: No. 1 - 2 - 3

⚠ 1000 V EN 60900



Art. No.	length	Ø	for No.	weight	PU
12 00 60	95	13	1	10	1
12 00 62	95	13	2	10	1
12 00 64	95	13	3	10	1

### Slip on bushes

self clamping, not numbered

⚠ 1000 V EN 60900

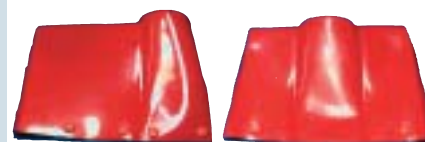


Art. No.	Ø	length	weight	PU
12 00 70	10	75	10	1
12 00 72	20	100	20	1
12 00 74	30	120	40	1
12 00 71	40	135	55	1
12 00 69	50	155	95	1
12 00 73	60	130	105	1

### Insulator cover for gable insulators

with plastic buttons, absolutely safety attachments, touch protection on the bottom side, of weak, weather proofed insulation-material, for long term usage suitable.

⚠ 1000 V EN 60900



Art. 12 00 79

Art. 12 00 89

Art. No.	size	weight	PU
12 00 79	245 x 270	900	1
12 00 89	115 x 270	1100	1

### Insulating and protecting covers

double faced, inside soft and outside strong plastic, for transformers and similar products

⚠ 1000 V EN 60900



Art. No.	length	weight	PU
12 00 57	80	335	1
12 00 59	300	700	1

### NH-protecting caps

for the covering of spring contacts

⚠ 1000 V EN 60900



Art. No.	size	weight	PU
12 00 58	315 x 170	390	1

### NH-protecting caps

for the covering of spring contacts

⚠ 1000 V EN 60900



Art. No.	size	weight	PU
12 00 77	170 x 140	140	1
12 00 78	255 x 135	205	1

a-range ..... adjusting range  
Cth ..... cutting thickness (mm)  
CW ..... cutting with (mm)

IM ..... inside measurement (mm)  
length ..... total length (mm)  
lob ..... length of blade (mm)

M ..... for screws M  
M - M ..... for screws M - M  
PU ..... packing unit in pieces

SW ..... size of key  
test ..... test range (Volt)  
weight ..... weight (gr)



## Sealing pliers

made of cast iron, punch exchangeable and hardened, bright nickel-plated



Art. No.	length	dies-Ø	weight	PU
21 07 00	125	8	230	1
21 07 02	145	9	340	1
21 07 04	165	10	430	1

## Plastic seals



Art. No.	Ø	weight	PU
15 03 43	9	200	1000
15 03 45	10	250	1000

## Dies for sealing pliers

loose dies



Art. No.	dies-Ø	weight	PU
21 07 10	8	5	1
21 07 12	9	5	1
21 07 14	10	5	1

## Seal wire



Art. No.	thickness-Ø	weight real	length	weight	PU
15 03 60	0,5 x 0,5	0,5	115	520	1
15 03 62	0,5 x 0,5	1	230	1060	1
15 03 64	0,5 x 0,3	0,5	190	555	1
15 03 66	0,5 x 0,3	1	380	1040	1
15 03 68	0,3 x 0,3	0,5	300	500	1
15 03 70	0,3 x 0,3	1	600	1000	1

## Lead seals



Art. No.	Ø	1 kg = approx. x piece	weight	PU
15 03 40	8	850	1000	1 kg
15 03 42	9	600	1000	1 kg
15 03 44	10	400	1000	1 kg
15 03 46	11	350	1000	1 kg
15 03 48	12	300	1000	1 kg

## Plastic seal wire



Art. No.	Ø	colour	length	weight	PU
15 03 75 B	1,23	blue	100	200	1
15 03 75 G	1,23	green	100	200	1
15 03 75 R	1,23	red	100	200	1



### Hemp tackle block ropes

made of hemp, 20 m long



Art. No.	rope-Ø	weight	PU
13 00 42	8	950	1
13 00 44	10	1330	1

### Parallel rope tension clamps

for copper and steel cables and wires



Art. No.	for ropes mm <sup>2</sup>	Ø	load kg	weight	PU
13 00 64	6-35	3 - 8	1000	890	1
13 00 66	16-70	4-12	1400	1230	1
13 00 68	50-150	8-16	2500	1920	1

### Tackle blocks

made from steel, with turnable hooks, 2 blocks, rust protected finish, with 3 brass rolls



Art. No.	roll-Ø	rope-Ø	load kg	weight	PU
13 00 04	50	8	200	1820	1
13 00 06	60	10	250	1960	1

a-range ..... adjusting range  
Cth ..... cutting thickness (mm)  
CW ..... cutting with (mm)

IM ..... inside measurement (mm)  
length ..... total length (mm)  
lob ..... length of blade (mm)

M ..... for screws M  
M - M ..... for screws M - M  
PU ..... packing unit in pieces

SW ..... size of key  
test ..... test range (Volt)  
weight ..... weight (gr)