

VDE Tools.

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Content

VDE.

Page Article group



VDE-Spanners.

- 269 Universal cabinet key
- 269 Hex Keys (VDE)
- 269 T-Handles (VDE)



VDE-Ratchet and Sockets.

- 270 Reversible Ratchet (VDE)
- 270 Extension (VDE)
- 270 Sockets (VDE)
- 271 Screwdriver Bit Sockets (VDE)
- 271 Sockets Long Type (VDE)



VDE-Pliers.

- 271 Heavy Duty Combination Pliers (VDE)
- 272 Long Round Nose Pliers (VDE)
- 272 Long Flat Nose Pliers (VDE)
- 272 Side Cutters (VDE)
- 272 Wire Stripping Pliers (VDE)
- 273 Telephone Pliers, straight (VDE)
- 273 Telephone Pliers, bent (VDE)
- 273 Cable Cutter (VDE)
- 273 Pliers Assortment L (VDE)



VDE-Screwdriver.

- 274 2K-Screwdrivers, slotted (VDE)
- 274 Voltage Testers (VDE)
- 274 2K-Screwdrivers, PH (VDE)



Miscellaneous.

- 275 Hexagon Nut Spinners (VDE)
- 275 Set of screwdrivers (VDE), 6-pcs
- 275 Electrician's Scissors (VDE)
- 275 Cable Knife (VDE)
- 276 Inspection Mirror (VDE)
- 276 Universal soldering iron
- 276 Digital multimeter
- 277 Electrician's Tool Kit Automotive (VDE)
- 277 Electrician's Tool Kit in ABS case (VDE)



MATADOR VDE-Tools. Safety first.

Working on voltage.

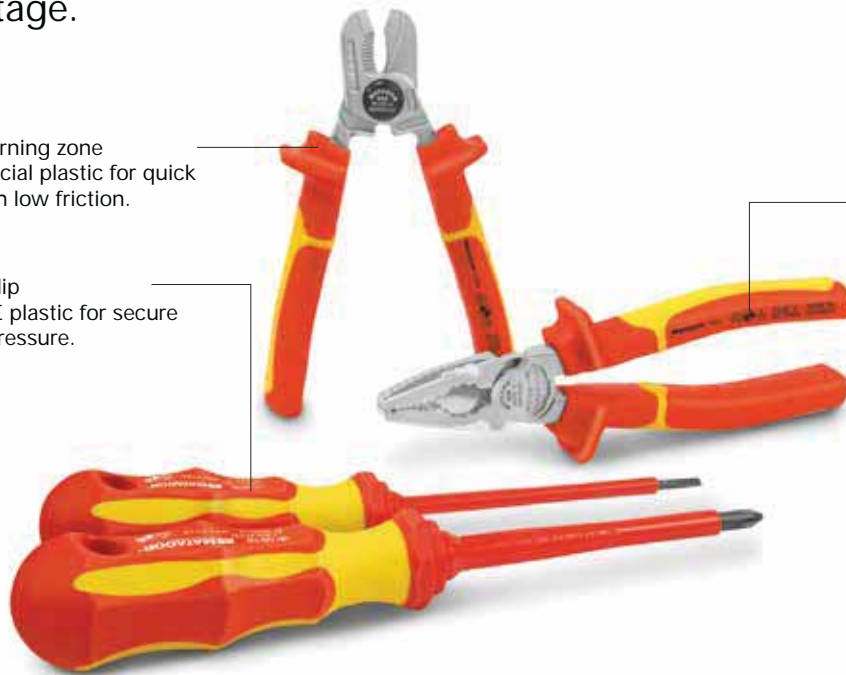
2K Red, hard turning zone made of special plastic for quick working with low friction.

2K Yellow, soft and anti-slip grip zone made of TPE plastic for secure hold with maximum pressure.

1000 V



High security by unique identification.



International standards for more safety.

In Germany as well as in most of other countries it is the law that works on hot parts are only to be conducted under certain safety regulations and by trained specialists.

The application of especially manufactured tools belongs to that. These have to be according to the international standard IEC 60900 (identically with EN 60900 for Europe and DIN EN 60900 for Germany).

Therefore all MATADOR insulated tools have the VDE approval mark additionally to the DIN EN 60900 mark. This means additional security because every production and testing point is individually examined, certified and regularly supervised by the VDE. For your safety.

Approval process during production.

The approval processes during the running production constituted by the standards are complex and make sure that the requirements of the DIN EN 60900 standard are fulfilled without exceptions.

For example tool handles should not disengage themselves during usage or get damaged. Tools will be tested by improving their resistance of heat, cold, shock and impact.

At the end of the production process every tool has to be tested with an AC voltage of 10,000 V AC and voltage of 1.500 V DC.

100% routine test and VDE certificate.

Every model of an insulated tool is put to an acid test regarding mechanical and electrical safety, before it gets a type-approval.

The VDE approval institute withdraws in irregular intervals test samples from the running production or the current stock for intensive random inspections.

The VDE-logo proves that the manufacturer goes beyond his personal responsibility determined by the DIN EN 60900 standard and lets himself and his products be supervised by independent specialists of the VDE-institute.

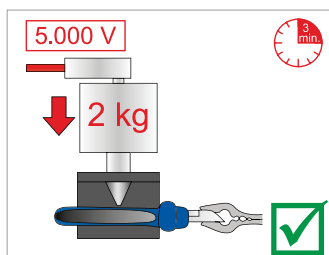
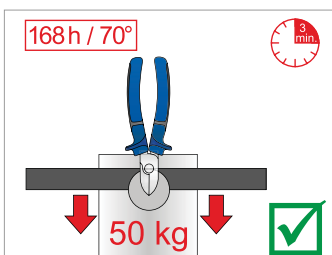
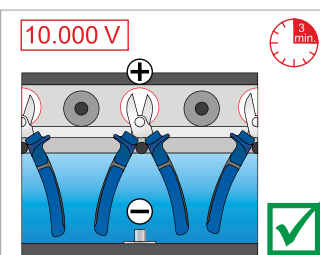
The MATADOR Double Check coating.

All MATADOR soft-plastic insulated safety tools are equipped with the MATADOR Double Check coating.

This bi-coloured double insulation offers an additional safety factor, since the yellow alert colour under the red outer layer indicates reliably damages and wear of the insulation and therefore supports the dictated regular inspection.

Whether conventional solutions with 2-component-handles or the complex tools with a double plastic insulation – both processes fulfill the requirements of the standard.

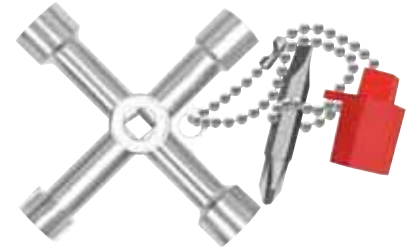
1000 V



■ Universal cabinet key

- Plastic adapter with ball chain approx. 20 cm
- Bit with hexagon drive 6.3 mm (1/4")

Material: Zinc (GD-Zn)



Art. Code	l mm	mm	mm	mm	mm	g	
0160 0001	70	1,0	PH 2	5 / 7 / 8	8 / 9	4 - 10	75 10

■ Hex Keys (VDE)

- For hexagon screws
- Each piece tested with 10.000 V
- Multilayer dipped insulation

Material: Chrome Vanadium
Surface: Insulated acc. to IEC 60900:2004



Art. Code	mm	l mm	g	
0448 0030	3	130	20	1
0448 0040	4	140	30	1
0448 0050	5	160	50	1
0448 0060	6	180	80	1
0448 0080	8	200	140	1
0448 0100	10	225	230	1
0448 0120	12	250	245	1



MATADOR
Double
Check

1000 V
⚡ ⚠ Ⓢ

■ T-Handles (VDE)

- For hexagon screws
- Each piece tested with 10.000 V
- Multilayer dipped insulation

Material: Chrome Vanadium
Surface: Insulated acc. to IEC 60900:2004



Art. Code	mm	g	
0449 0040	4	57	1
0449 0050	5	62	1
0449 0060	6	82	1
0449 0080	8	98	1



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■ Reversible Ratchet (VDE)

1/2 12.5 mm



- With safety lock and quick-release function
- Robust toothing with 36 teeth
- For hand-operated sockets and adapters
- With square drive as per DIN 3120 - C 12.5 / ISO 1174
- Each piece tested with 10.000 V
- Standards: DIN 3122 / ISO 3315
- Material: Chrome Vanadium
- Surface: Insulated acc. to IEC 60900:2004

1000 V

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Double
Check

Art. Code	mm	"	l mm	g	
4161 0001	12,5	1/2	280	537	1

■ Extension (VDE)

1/2 12.5 mm



- With ball locking device
- For hand-operated sockets and adapters
- With square drive as per DIN 3120 - C 12.5 / ISO 1174
- Each piece tested with 10.000 V
- Material: Chrome Vanadium
- Surface: Insulated acc. to IEC 60900:2004

1000 V

MATADOR
Double
Check

Art. Code	mm	"	mm	"	l mm	g	
4165 0001	12,5	1/2	12,5	1/2	250	410	1
4165 0125	12,5	1/2	12,5	1/2	125	206	1

■ Sockets (VDE)

SMART DRIVE 6 1/2 12.5 mm



- For metric and inch nuts and bolts
- Each piece tested with 10.000 V
- Multilayer dipped insulation
- Material: Chrome Vanadium
- Surface: Insulated acc. to IEC 60900:2004

1000 V

MATADOR
Double
Check

Art. Code	mm	"AF	g	
4175 0080	8	5/16	62	10
4175 0090	9	11/32	62	10
4175 0100	10	3/8	62	10
4175 0110	11	7/16	62	10
4175 0120	12	15/32	62	10
4175 0130	13	1/2	63	10
4175 0140	14	9/16	64	10
4175 0160	16	5/8	72	10
4175 0170	17	11/16	83	10

Art. Code	mm	"AF	g	
4175 0180	18	23/32	89	10
4175 0190	19	3/4	98	10
4175 0200	20/21	13/16	105	10
4175 0220	22	7/8	167	10
4175 0240	24	15/16	167	10
4175 0250	25	1	168	10
4175 0280	28	1.1/8	185	10
4175 0320	32	1.1/4	200	10

■ Screwdriver Bit Sockets (VDE)



- For hexagon socket screws
- Each piece tested with 10.000 V
- Multilayer dipped insulation

- Material: Chrome Vanadium
- Surface: Insulated acc. to IEC 60900:2004



Art. Code	mm	l mm	g	
4178 0100	10	70	109	10

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Double
Check

1000 V

■ Sockets long type (VDE)



- For metric and inch nuts and bolts
- Each piece tested with 10.000 V
- Multilayer dipped insulation

- Material: Chrome Vanadium
- Surface: Insulated acc. to IEC 60900:2004



Art. Code	mm	"AF	g	
4181 0100	10	3/8	103	10
4181 0110	11	7/16	104	10
4181 0120	12	15/32	113	10
4181 0130	13	1/2	117	10
4181 0140	14	9/16	125	10
4181 0150	15	19/32	126	10
4181 0160	16	5/8	127	10

Art. Code	mm	"AF	g	
4181 0170	17	11/16	148	10
4181 0180	18	23/32	180	10
4181 0190	19	3/4	189	10
4181 0200	20/21	13/16	193	10
4181 0210	21	7/8	235	10
4181 0220	22	7/8	236	10

MATADOR
Double
Check

1000 V

■ Heavy Duty Combination Pliers (VDE)



- For cutting hard and soft wires
- Cutting edges inductively hardened
- Gripping zones for flat and round materials
- With nail and wire holder
- Integrated ring spanner
- Power transmission with optimum leverage for

- easy and effortless work
- With ergonomically shaped 2-component sleeves
- Standards: DIN ISO 5746
- Material: Tool steel
- Surface: Insulated acc. to IEC 60900:2004



Art. Code	l mm	l"			mm	mm	mm	mm	mm	g	
0500 1165	165	6.1/2			4	3,1	2	10	15	200	6
0500 1180	180	7			5,2	3,4	2,2	12	18	255	6
0500 1205	205	8			5,9	3,8	2,5	13	20	285	6

1000 V

■ Long Round Nose Pliers (VDE)

 2K



- For gripping and bending
- Serrated inside jaws
- With long round jaws
- With ergonomically shaped 2-component sleeves

- Standards: DIN ISO 5745
- Material: Tool steel
- Surface: Insulated acc. to IEC 60900:2004

1000 V



Art. Code	I mm	I"			
0520 1160	160	6.1/4		g	6

■ Long Flat Nose Pliers (VDE)

 2K




- Serrated gripping faces
- For holding and bending work

- Standards: DIN / ISO 5745
- Material: High grade tool steel C 45
- Surface: Insulated acc. to IEC 60900:2004

1000 V



Art. Code	I mm	I"			
0525 1160	160	6.1/4		g	6

■ Side Cutters (VDE)

 2K












- For cutting hard and soft wires
- Precision cutting edge for the finest wires
- Cutting edges inductively hardened
- Cutting edge hardness approx 62 HRC
- Power transmission with optimum leverage for easy and effortless work

- With ergonomically shaped 2-component sleeves
- Standards: DIN ISO 5749
- Material: Special tool steel
- Surface: Insulated acc. to IEC 60900:2004

1000 V



Art. Code	I mm	I"							
				mm	mm	mm	mm	g	
0532 1160	160	6.1/4		6	3,5	2	11	210	6
0532 1180	180	7		7	4	2,5	13	265	6

■ Wire Stripping Pliers (VDE)

2K



- With locking adjustable screw for setting
- Spring loaded
- For wires up to 6mm Ø

- For hard and soft wire
- Material: High grade tool steel C 45
- Surface: Insulated acc. to IEC 60900:2004

1000 V



Art. Code	I mm	I"	mm		
				Ø mm	mm ²
0576 1160	160	6.1/4		g	6
				5	10

■ Telephone Pliers, straight (VDE)



- Long, straight flat-round jaws
 - With cutting edges and burner hole
 - Serrated gripping faces
 - For hard and soft wire
- Standards: DIN / ISO 5745
 - Material: High grade tool steel C 45
 - Surface: Insulated acc. to IEC 60900:2004

Art. Code	l mm	l"	mm		mm	mm	mm	mm	g	
0585 1170	170	6.3/4			2,5	1,6		15	170	6
0585 1205	205	8			3,9	3,2	2,2	18	215	6



1000 V

■ Telephone Pliers, bent (VDE)



- Long, 45° angled, flat-round jaws
 - With cutting edges and burner hole
 - Serrated gripping faces
 - For hard and soft wire
- Standards: DIN / ISO 5745
 - Material: High grade tool steel C 45
 - Surface: Insulated acc. to IEC 60900:2004

Art. Code	l mm	l"	mm		mm	mm	mm	mm	g	
0586 1205	205	8			3,9	3,2	2,2	18	215	6



1000 V

■ Cable Cutter (VDE)



- For stripping and cutting of copper and aluminium cables without any burr and up to Ø 16 mm (50 mm²)
 - Re-adjustable screw-joint
- Material: High grade tool steel C 45
 - Surface: Insulated acc. to IEC 60900:2004

Art. Code	l mm	l"		Ø mm	mm ²	g
0829 1160	160	6.1/4		16	50	225



1000 V

■ Pliers Assortment L (VDE)



- Pliers Assortment, in practical, transparent polypropylene box: robust packaging, stackable and easy to stock

Art. Code	g
0501 1301	735
<ul style="list-style-type: none"> 0500 180 mm 0532 180 mm 0585 205 mm 	1
0501 1302	735
<ul style="list-style-type: none"> 0500 180 mm 0532 180 mm 0586 205 mm 	1



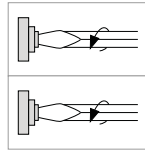
1000 V

2K-Screwdrivers, slotted (VDE)

2K

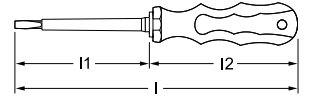


1000 V



- Quality blades made of high-alloy, hardened special steel
- Blades with black finish with directly sprayed-conical blade insulation
- 2-component hole issue Signal-colour: red-yellow
- With hanging hole

- Material: Molybdän-Vanadium / Chrome Silizium-Vanadium / Chrome Vanadium
- Surface: Insulated acc. to IEC 60900:2004



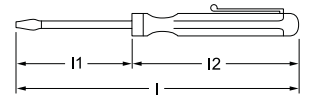
Art. Code	mm	mm	l1 mm	l2 mm	l mm	g	
0616 0425	0,4	2,5	75	85	160	40	10
0616 0635	0,6	3,5	100	95	195	47	10
0616 0840	0,8	4	100	105	205	63	10
0616 1055	1,0	5,5	125	105	230	96	10
0616 1265	1,2	6,5	150	120	270	119	10
0616 1280	1,2	8	175	120	295	182	5
0616 1610	1,6	10	200	120	320	248	5

Voltage Testers (VDE)



- Up to 230 V
- With metal clip
- Transparent handle

- Standards: VDE 0680
- Material blade: High grade tool steel
- Surface blade: Nickel plated and insulated



Art. Code	mm	mm	l1 mm	l2 mm	l mm	g	
0635 0635	0,6	3,5	100	95	195	40	10

2K-Screwdrivers, PH (VDE)

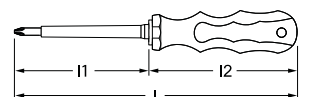
2K



1000 V

- Classical workshop Screwdrivers, for cross slot screws Phillips-Recess
- With 2-component handle with hard quick turning and soft power zone
- With hanging hole

- Standards: DIN ISO 8764 / tip DIN ISO 8764-1 PH
- Material blade: Chrome Vanadium black tip
- Surface: Insulated acc. to IEC 60900:2004

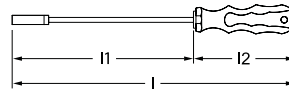


Art. Code		mm	l1 mm	l2 mm	l mm	g	
0656 0000	PH 0	5	60	90	150	43	10
0656 0010	PH 1	5	80	100	180	68	10
0656 0020	PH 2	6	100	110	210	98	10
0656 0030	PH 3	8	150	120	270	167	10

Hexagon Nut Spinners (VDE)

- Ergonomically handle for easy working and maximum torque transmission
- Insulated according to IEC 60900:2004
- Each piece tested with 10.000 V

- Standards: DIN / ISO 7445



Art. Code	mm	l1 mm	l2 mm	l mm	g	
0670 1050	5	110	100	210	58	12
0670 1060	6	110	100	210	66	12
0670 1070	7	115	110	225	94	12
0670 1080	8	115	110	225	96	6
0670 1090	9	115	110	225	98	6
0670 1100	10	115	110	225	104	6
0670 1110	11	115	120	235	150	6
0670 1120	12	115	120	235	160	6
0670 1130	13	115	120	235	165	6
0670 1140	14	115	120	235	165	6
0670 1150	15	115	120	235	170	6
0670 1160	16	115	120	235	170	6
0670 1170	17	115	120	235	175	6



1000 V
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Set of screwdrivers (VDE), 6-pcs

- VDE-Screwdriver assortment in display box
- With dual compound handles
- Insulated according to IEC 60900:2004

Art. Code	g	
0681 1001	735	1
0616	2.5 x 75 - 3.5 x 100 - 5.5 x 125 mm	
0635	0,5 x 3,0 mm	
0656	PH 1 - PH 2	



2K ⚡ ⚠ ⚡

1000 V
⚡ ⚠ ⚡

Electrician's Scissors (VDE)

- Microserrated blade
- Material: Stainless steel, hardness 60 HRC

Art. Code	mm	g	
0744 1001	140	90	1



1000 V
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Cable Knife (VDE)

- With straight, hardened blade
- Blade made from stainless steel
- Each piece tested with 10.000 V
- Surface: Insulated acc. to IEC 60900:2004

Art. Code	l mm	l1 mm	g	
0826 0001	180	65	65	5



1000 V
⚡ ⚠ ⚡

■ Inspection Mirror (VDE)



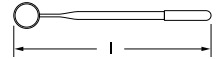
1000 V



MATADOR
**Double
Check**

- Magnified
- Each piece tested with 10.000 V
- Multilayer dipped insulation

- Surface: Insulated acc. to IEC 60900:2004



Art. Code	mm	g	
0876 1001	170	32	10

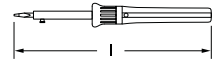
■ Universal soldering iron



1000 V



- Tried and tested universal soldering iron with 40 W for increased heat demand
- Versatile for soldering tasks in the areas of trade / service and Hobby
- Equipped with professional long-life tip

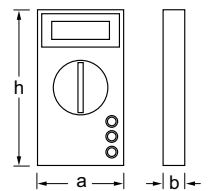


Art. Code	g	
0879 0001	400	1
0879 0090	Solder	1

■ Digital-Multimeter



- The digital multimeter for simple measurements in the automotive sector
- Entry-level model with excellent equipment features
- Power supply by 9 V block battery
- With test cable and detailed operating instructions

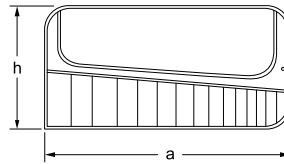


Art. Code	g	
0881 0001	300	1

Electrician's Tool Kit Automotive (VDE)

51

- Tool kit for hybrid- and electric vehicle repair with 50 high quality tools, e.g.:
- Single ended spanners 8 - 24 mm
- Adjustable Wrenches
- 3-pc. set of pliers VDE with telephone pliers, combination pliers and side cutter
- 6-pc. set of screwdrivers VDE
- 12,5(1/2) Socket Set VDE with sockets 8-22 mm
- Hex Keys with T-Handle VDE
- In practical ABS hardshell case with extra storage space
- Optional with torque wrench VDE 20-100 N·m



Art. Code	h mm	a mm	g
8110 9550			1
8110 9551			1
Inhalt			
0131 8 - 24 mm	4161 Reversible ratchet		
0591 250 mm	4165 125, 250 mm		
0500 180 mm	4175 8 - 9 mm		
0532 160 mm	4181 10 - 22 mm		
0585 180 mm	0449 4, 5, 6, 8 mm		
0616 0,4 - 0,8 - 1,0 mm	4178 10 x 70 mm		
0656 PH 0 - PH 1 - PH 2	6179 20 - 100 N·m		



1000 V

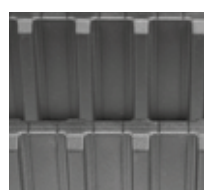
Electrician's Tool Kit in ABS case (VDE)

30

- 30 pcs. tool assortment for working on electrical systems
- In solid tool case made of strong and resistant ABS material with removable tool panels in lid and bottom



Art. Code	h mm	a mm	b mm	g
8130 0001	345	455	160	5700
8130 9531				7800
Inhalt				
0131 10 - 13 - 14 - 17 - 19 - 22 mm	0616 0,4 x 2,5 x 75 - 0,8 x 4,0 x 100 - 1,2 x 6,5 x 150 mm			
0160	0635 0,5 x 3,0 mm			
0500 180 mm	0744			
0532 160 mm	0826			
0576 160 mm	0875			
0559 190 mm	4161			
0585 180 mm	4165			
	4175 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 - 24 mm			



Variable inserts for further separation



3-digit combination lock



Two lockable clip locks



Circumferential robust aluminium frame with shock edge protection



1000 V