

Ever had an electric shock?

Wera VDE tools provide more safety than required by current regulation.

Kraftform Plus screwdrivers enable a **higher transfer of force** with **less effort**, and relieve the entire hand-arm system – even with **intensive use**. In addition, the safety issue, always a top priority at Wera, is very much in focus for series 100 VDE screwdrivers. The quality of the blades **exceeds current standards** with regard to hardness and torque strength. Every tool is **tested individually** for dielectric strength under a load of 10,000 volts, so as to ensure safe working with loads up to 1,000 volts.



The **individual testing in a water bath at 10,000 volts**, in accordance with **DIN EN 60900 (IEC 60900:2004)**, ensures safe working with loads up to 1,000 volts.



Impact strength tested at - 40°C, guaranteeing **safety even under extreme conditions**.



The outstanding design of the Kraftform handle ensures that it fits perfectly into the hand, **preventing hand injuries such as blisters and calluses**.



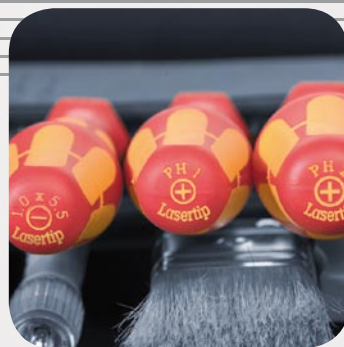
The hard materials used for the handle ensure **rapid hand repositioning**, without any danger of the skin "sticking" to the handle. The softer "anti-slip" zones enable the **low-loss transfer of high forces** – resulting in **less screwdriving effort** being required.



The hexagonal non-roll feature **prevents any annoying rolling away** at the workplace.



Laser treatment burns a micro-rough surface into the tip of the blade with an edge hardness of up to 1,000 Vickers. The drive end literally "bites" into the head of the screw. The advantages: **safer working and less slipping.**



The screw symbol and tip size identification markings on the handle **make it easier to find** the right screwdriver in the tool case or at the workplace.



The screwdriver sets are supplied with a rack that can be attached to the wall. This ensures **organised storage** and **quick & easy access.** The rack is also available as an individual item.

Kraftform Plus – Series 100 VDE

The safety screwdriver when working with live wiring

160 i VDE Insulated slotted screwdriver



- Application:** Slotted screws
Blade: Insulated, individually tested as per IEC 60900 : 2004
Design: Conical tip, Lasertip
Handle: Kraftform with non-roll feature, multi-component

Code	mm	mm	mm	mm	mm	mm	
05006100001 ¹⁾	0,4	2,5	80	81	3/32"	3 1/8"	10
05006105001 ¹⁾	0,5	3,0	100	81	1/8"	4"	10
05006110001	0,6	3,5	100	81	9/64"	4"	10
05006115001	0,8	4,0	100	98	5/32"	4"	10
05006116001	0,8	4,0	150	98	5/32"	6"	5
05006120001	1,0	5,5	125	98	7/32"	5"	10
05006121001	1,0	5,5	200	98	7/32"	8"	5
05006125001	1,2	6,5	150	105	1/4"	6"	10
05006126001	1,2	6,5	200	105	1/4"	8"	5
05006130001	1,2	8,0	175	112	5/16"	7"	5
05006135001	1,6	8,0	200	112	5/16"	8"	5
05006140001	1,6	10,0	200	112	3/8"	8"	5

1) without Lasertip

160 iS VDE-insulated slotted screwdriver with reduced blade diameter



- Application:** Slotted screws and actuating tool for spring terminals
Blade: Reduced blade diameter with integrated protective insulation, allows sunken screws and spring elements to be accessed and actuated, individually tested as per IEC 60900 : 2004
Design: Conical blade, zinc-phosphated
Handle: Kraftform with non-roll feature, multi-component

Code	mm	mm	mm	mm	mm	mm	
05006440001	0,6	3,5	100	81	9/64"	4"	10
05006441001	0,8	4,0	100	98	5/32"	4"	10
05006442001	1,0	5,5	125	98	7/32"	5"	10

162 i PH VDE Insulated screwdriver for Phillips screws



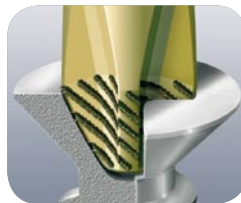
- Application:** Phillips screws
Blade: Insulated, individually tested as per IEC 60900 : 2004
Design: Lasertip
Handle: Kraftform with non-roll feature, multi-component

Code		mm	mm	mm	
05006150001 ¹⁾	PH 0	80	81	3 1/8"	5
05006152001	PH 1	80	98	3 1/8"	5
05006153001	PH 1	150	98	6"	5
05006154001	PH 2	100	105	4"	5
05006159001	PH 2	200	105	8"	5
05006156001	PH 3	150	112	6"	5
05006158001 ¹⁾	PH 4	200	112	8"	2

1) without Lasertip



How to prevent the screwdriver from slipping out of the screw head



It happens time and time again that the tip slips out of the screw head when screwdriving, potentially damaging surfaces, and occasionally even making contact with live components. The tips of the Wera Lasertip screwdrivers are microscopically roughened by means of a laser. This rough surface literally "bites" itself firmly into the screw head – preventing slips. This allows the user to feel secure in their safety, particularly when working on live wires.

VDE-insulated slotted screwdriver with reduced blade diameter



Reduced blade diameter with integrated protective insulation, allows sunken screws and spring elements to be accessed and actuated, individually tested as per IEC 60900 : 2004.

162 iS PH VDE-insulated cross recess screwdriver with reduced blade diameter



Application: Phillips screws

Blade: Reduced blade diameter with integrated protective insulation, allows sunken PH screws to be accessed and actuated, individually tested as per IEC 60900 : 2004

Design: Blade zinc-phosphated

Handle: Kraftform with non-roll feature, multi-component

Code	+	mm	mm	mm	
05006450001	PH 1	80	98	3 1/8"	5
05006451001	PH 2	100	105	4"	5

Available from June 2011

165 iS PZ VDE-insulated cross recess screwdriver with reduced blade diameter



Application: Suitable for Pozidriv[®] screws

Blade: Reduced blade diameter with integrated protective insulation, allows sunken PZ screws to be accessed and actuated, individually tested as per IEC 60900 : 2004

Design: Blade zinc-phosphated

Handle: Kraftform with non-roll feature, multi-component

Code	+	mm	mm	mm	
05006460001	PZ 1	80	98	3 1/8"	5
05006461001	PZ 2	100	105	4"	5

^{*)} Pozidriv = reg. trademark of European Industrial Service Ltd.
Available from June 2011

165 i PZ VDE Insulated screwdriver for Pozidriv screws



Application: Suitable for Pozidriv[®] screws

Blade: Insulated, individually tested as per IEC 60900 : 2004

Design: Lasertip

Handle: Kraftform with non-roll feature, multi-component

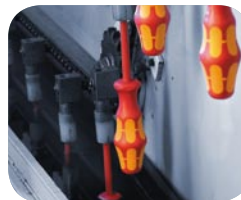
Code	+	mm	mm	mm	
05006160001 ¹⁾	PZ 0	80	81	3 1/8"	5
05006162001	PZ 1	80	98	3 1/8"	5
05006163001	PZ 1	150	98	6"	5
05006164001	PZ 2	100	105	4"	5
05006165001	PZ 2	200	105	8"	5
05006166001	PZ 3	150	112	6"	5
05006168001 ¹⁾	PZ 4	200	112	8"	2

¹⁾ without Lasertip

^{*)} Pozidriv = reg. trademark of European Industrial Service Ltd.



Why is a VDE screwdriver safe?



A dielectric strength test under a 10,000 volt load in a water bath is the only way of reassuring users that their screwdrivers have been exhaustively tested for their most important feature: their insulation. Each individual Wera VDE screwdriver

is subjected to this test to guarantee safe working up to 1,000 volts.

Kraftform Plus – Series 100 VDE

The safety screwdriver when working with live wiring

162 i PH/S VDE Insulated screwdriver for PlusMinus screws (Phillips/slotted)



- Application:** PlusMinus screws (Phillips/slotted)
Blade: Insulated, individually tested as per IEC 60900 : 2004
Design: PlusMinus (Phillips/slotted)
Handle: Kraftform with non-roll feature, multi-component

Code		mm	mm		
05006380001	# 1	80	98	3 1/8"	5
05006381001	# 2	100	105	4"	5

PlusMinus screwdrivers



For the use in terminal blocks, control cabinets, switches, relays, sockets etc.



How to prevent the screwdriver from rolling away



All Kraftform screwdrivers have a non-roll feature at the lower end of the handle. The hexagonal design prevents any annoying rolling away of the screwdriver at the workplace.

162 iS PH/S VDE-insulated screwdriver for PlusMinus screws (Phillips/slotted) with reduced blade diameter



- Application:** PlusMinus screws (Phillips/slotted)
Blade: Reduced blade diameter with integrated protective insulation, allows sunken PlusMinus screws to be accessed and actuated, individually tested as per IEC 60900 : 2004
Design: Combination profile Phillips/slotted, blade zinc-phosphated
Handle: Kraftform with non-roll feature, multi-component

Code		mm	mm		
05006455001	# 1	80	98	3 1/8"	5
05006456001	# 2	100	105	4"	5

Available from June 2011

165 i PZ/S VDE Insulated screwdriver for PlusMinus screws (Pozidriv/slotted)



- Application:** For PlusMinus screws (Pozidriv[®]/slotted)
Blade: Insulated, individually tested as per IEC 60900 : 2004
Design: PlusMinus (Pozidriv[®]/slotted)
Handle: Kraftform with non-roll feature, multi-component

Code		mm	mm		
05006190001	# 1	80	98	3 1/8"	5
05006191001	# 2	100	105	4"	5

[®]) Pozidriv = reg. trademark of European Industrial Service Ltd.

165 iS PZ/S VDE-insulated screwdriver for PlusMinus screws (Pozidriv/slotted) with reduced blade diameter



Application: For PlusMinus screws (Pozidriv[®]/slotted)

Blade: Reduced blade diameter with integrated protective insulation, allows sunken PlusMinus screws to be accessed and actuated, individually tested as per IEC 60900 : 2004

Design: PlusMinus (Pozidriv[®]/slotted), blade zinc-phosphated

Handle: Kraftform with non-roll feature, multi-component

Code	Drive Profile	mm	mm	mm	mm
05006465001	# 1	80	98	3 1/8"	5
05006466001	# 2	100	105	4"	5

*) Pozidriv = reg. trademark of European Industrial Service Ltd.
Available from June 2011

167 i VDE Insulated TORX[®] screwdriver



Application: TORX[®] socket screws

Blade: Insulated, individually tested as per IEC 60900 : 2004

Design: Zinc-phosphated

Handle: Kraftform with non-roll feature, multi-component

Code	Drive Profile	mm	mm	mm	mm
05006181001	TX 5	80	81	3 1/8"	5
05006182001	TX 6	80	81	3 1/8"	5
05006183001	TX 7	80	81	3 1/8"	5
05006184001	TX 8	80	81	3 1/8"	5
05006169001	TX 9	80	81	3 1/8"	5
05006170001	TX 10	80	81	3 1/8"	5
05006172001	TX 15	80	98	3 1/8"	5
05006174001	TX 20	80	98	3 1/8"	5
05006176001	TX 25	100	105	4"	5
05006177001	TX 27	100	105	4"	5
05006178001	TX 30	100	105	4"	5
05006179001	TX 40	150	112	6"	5
05006186001	TX 45	150	112	6"	5

164 i VDE Insulated hexagon screwdriver



Application: Hexagon socket screws

Blade: Insulated, individually tested as per IEC 60900 : 2004

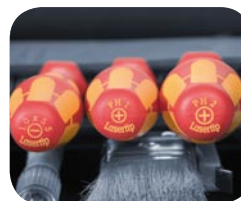
Design: Zinc-phosphated

Handle: Kraftform with non-roll feature, multi-component

Code	Drive Profile	mm	mm	mm	mm
05004650001	# 1	2,5	80	98	3 1/8"
05004655001	# 2	3,0	80	98	3 1/8"
05004660001	# 3	4,0	80	98	3 1/8"
05004665001	# 4	5,0	80	105	3 1/8"
05004670001	# 5	6,0	100	105	4"
05004675001	# 6	8,0	100	112	4"



How to find the correct screwdriver quickly



All Kraftform Plus screwdrivers are marked with their drive profile and size. This enables faster and more reliable selection of the correct tool from the tool case.

168 i VDE Insulated screwdriver for square socket head screws



Application: Square socket head screws

Blade: Insulated, individually tested as per IEC 60900 : 2004

Design: Zinc-phosphated

Handle: Kraftform with non-roll feature, multi-component

Code	Drive Profile	mm	mm	mm	mm
05004780001	# 1	80	98	3 1/8"	5
05004783001	# 2	150	98	6"	5
05004781001	# 3	100	105	4"	5
05004784001	# 4	200	105	8"	5
05004782001	# 5	150	112	6"	5

Kraftform Plus – Series 100 VDE

The safety screwdriver when working with live wiring

190 i VDE Insulated nutdriver



- Application:** Hexagon headed bolts, screws and nuts
Blade: Insulated, individually inspected as per IEC 60900 : 2004
Design: Zinc-phosphated
Handle: Kraftform with non-roll feature, multi-component

Code	mm	mm	mm	mm	mm	mm	mm
05005300001	5,5	125	98	11,0	5"		5
05005305001	6,0	125	98	12,0	5"		5
05005310001	7,0	125	105	14,0	5"		5
05005315001	8,0	125	105	15,0	5"		5
05005320001	9,0	125	105	16,0	5"		5
05005325001	10,0	125	112	17,0	5"		5
05005330001	11,0	125	112	19,0	5"		5
05005335001	12,0	125	112	20,0	5"		5
05005340001	13,0	125	112	21,0	5"		5
05104900001	3/16"	125	98	11,0	5"		10
05104905001	1/4"	125	98	13,0	5"		10
05104901001	5/16"	125	105	15,0	5"		10
05104906001	3/8"	125	105	17,0	5"		10
05104902001	7/16"	125	112	19,0	5"		10
05104904001	1/2"	125	112	21,0	5"		10
05104903001	9/16"	125	112	23,0	5"		10
05104907001	5/8"	125	112	25,0	5"		10

247 Single-pole voltage tester



- Application:** Voltage testing
Standard: ISO 57680/6 and VDE 0680/6 for 150 to 250 V

Code	mm	mm	mm	mm	mm	mm	mm
05005655001	0,5	3,0	70	3,0	1/8"	2 3/4"	5

160 i/7 Rack screwdriver set Kraftform Plus Series 100, voltage tester and rack



Kraftform: The safety screwdriver with Lasertip blade, voltage tester and rack

- Application:** Slotted and Phillips screws
Content: 7-piece set and rack in display carton

Code	Content	Quantity
05006147001	160 i VDE 1 x 0,4x2,5x80 ¹⁾ ; 1 x 0,6x3,5x100; 1 x 0,8x4,0x100; 1 x 1,0x5,5x125	1
	162 i PH VDE 1 x PH 1x80; 1 x PH 2x100	
	247 1 x 0,5x3,0x70	

1) without Lasertip



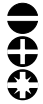
Why is the Kraftform Plus handle made out of several components?



Wera produces the Kraftform handle out of several materials with different properties. A resistant plastic is used for the core which ensures that the blade is held securely even under high strain. A softer material is used for the coloured soft zones, which

provides high frictional resistance and allows the transfer of high forces – resulting in less required screwdriving effort. The red sections with their hard surfaces prevent any "sticking" of the hand to the handle, making rapid repositioning of the hand possible.

160 iS/7 Rack screwdriver set Kraftform Plus Series 100, voltage tester and rack. With reduced blade diameter



160 i/165 i/7 Rack screwdriver set Kraftform Plus Series 100, voltage tester and rack



Kraftform: The safety screwdriver. With reduced blade diameter, voltage tester and rack

Application: Slotted, Phillips, PlusMinus screws (Pozidriv[®]/slotted)

Content: 7-piece set and rack in display carton

Code	Code	Content	Quantity
05006480001	● 160 iS	1 x 0,6x3,5x100; 1 x 0,8x4,0x100; 1 x 1,0x5,5x125	1
	⊕ 162 iS	1 x PH 1x80; 1 x PH 2x100	
	⊕ 165 iS PZ/S	1 x # 2x100	
	● 247	1 x 0,5x3,0x70	

^{*)} Pozidriv = reg. trademark of European Industrial Service Ltd. Available from June 2011

Kraftform: The safety screwdriver with Lasertip blade, voltage tester and rack

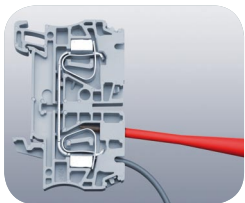
Application: Slotted and Pozidriv[®] screws

Content: 7-piece set and rack in display carton

Code	Code	Content	Quantity
05006148001	● 160 i VDE	1 x 0,4x2,5x80 ¹⁾ ; 1 x 0,6x3,5x100; 1 x 0,8x4,0x100; 1 x 1,0x5,5x125	1
	⊕ 165 i PZ VDE	1 x PZ 1x80; 1 x PZ 2x100	
	● 247	1 x 0,5x3,0x70	

¹⁾ without Lasertip
^{*)} Pozidriv = reg. trademark of European Industrial Service Ltd.

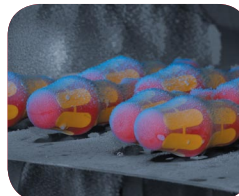
VDE-insulated slotted screwdriver with reduced blade diameter



Reduced blade diameter with integrated protective insulation, allows sunken screws and spring elements to be accessed and actuated, individually tested as per IEC 60900 : 2004.



Where can I find tools that are resistant to extreme temperatures?



VDE tools are often used under extreme conditions, such as very low temperatures. Safety must be guaranteed even under these conditions. The plastics used for the handle of Wera VDE screwdrivers are guaranteed to meet the most stringent test requirements for low-temperature impact strength at -40 °C.

Kraftform Plus – Series 100 VDE

The safety screwdriver when working with live wiring

162 i PH/S # 1+2 Screwdriver set



Application: PlusMinus screws (Phillips/slotted)

Content: 2-piece set in display pack

Code				
0507360001	⊕	162 i PH/S VDE	1 x # 1x80; 1 x # 2x100	1

165 i PZ/S # 1+2 Screwdriver set

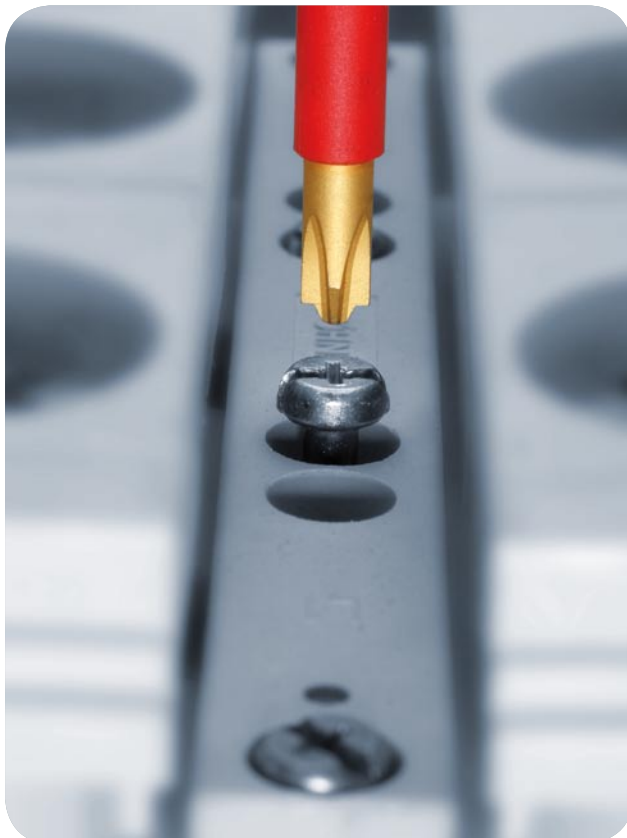


Application: PlusMinus screws (Pozidriv)*/slotted

Content: 2-piece set in display pack

Code				
0507360101	⊕	165 i PZ/S VDE	1 x # 1x80; 1 x # 2x100	1

*) Pozidriv = reg. trademark of European Industrial Service Ltd.



Where can I find a safe VDE screwdriver?



Our screwdrivers are tested for dielectric strength under a 10,000 volt load in a water bath to make sure that their most important property, their insulation, has been exhaustively tested. Each individual Wera VDE screwdriver is subjected to this test to guarantee safe working up to 1,000 volts.