

# 164 i VDE Insulated screwdriver for hexagon socket screws, 2.5 x 80 mm

Kraftform Plus – Series 100 VDE



**EAN/GTIN:** 4013288036605  
**Part no.:** 05004650001  
**Article no.:** 164 i VDE

**Dimension:** 178x33x33 mm  
**Weight:** 48 g  
**Country of origin:** CZ  
**Customs tariff number:** 82054000



- Insulated VDE blades for secure work at 1,000 volts
- Smooth hard zones for high speed turning, soft grip zones for high torque transfer
- "Take it easy" Tool Finder: colour coding according to profile and size
- Hexagonal anti-roll feature against rolling away
- Zinc phosphate plated

Wera VDE screwdrivers with multi-component Kraftform handle for fast and low-fatigue working: hard gripping zones for high working speeds whereas soft zones ensure high torque transfer. Individually tested in water bath at 10,000 volts for secure work at the permissible voltage of 1,000 volts. Handle markings simplify finding and sorting of tools. The hexagonal anti-roll feature prevents any bothersome rolling away at the workplace.

## Weblink

[http://products.wera.de/en/vde\\_tools\\_kraftform\\_plus\\_series\\_100\\_vde\\_164\\_i\\_vde.html](http://products.wera.de/en/vde_tools_kraftform_plus_series_100_vde_164_i_vde.html)

Wera - 164 i VDE  
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Hex-Plus

Individually tested

Impact strength test



Our screwdrivers are tested for dielectric strength under a 10,000 volt load 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.



Hexagon socket screws are a problem, because the contact surfaces that transfer the force of the tool to the screw are very narrow. The consequence: the head of the screw can be damaged, usually rounding out the recess. Hex-Plus tools have larger contact surfaces to prevent this, driving from the flats of the recess, rather than the corners. Good to know: Hex-Plus tools fit into every standard hexagon socket screw!



The individual testing at 10,000 volts, in accordance with IEC 60900, ensures safe working with loads up to 1,000 volts.



Impact strength tested at  $-40^{\circ}\text{C}$ , guaranteeing safety even under extreme conditions.

Weblink

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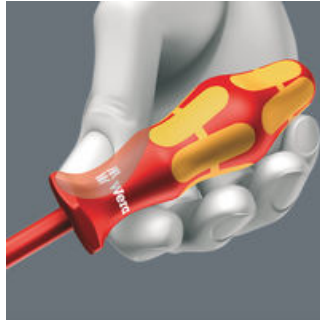
Kraftform Plus – Series 100 VDE

Multicomponent Kraftform handle



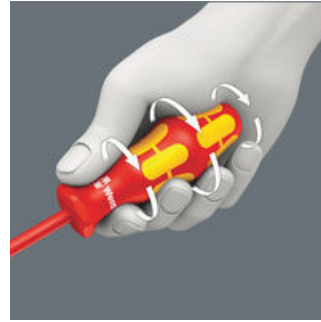
Wera produces the Kraftform handle out of several materials with different properties. A resistant plastic is used for the core which ensures that the blade is held securely even under high strain. A softer material is used for the coloured soft zones, which provides high frictional resistance and allows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

Prevents hand injuries



The outstanding design of the Kraftform handle that fits perfectly into the hand prevents hand injuries such as blisters and calluses.

Rapid hand repositioning







The hard materials used for the handle ensure rapid hand repositioning without any danger of the skin “sticking” to the handle. The surrounding hard zones with large diameters glide like wheels across the hand.

“Take it easy” Toolfinder



Screwdrivers with “Take it easy” tool finder: colour coding according to profile and size stamp.

More variants of this product family:

	 mm	 mm	 mm	 inch
<b>05004650001</b>	<b>2.5</b>	<b>80</b>	<b>98</b>	<b>3 1/8</b>
05004655001	3.0	80	98	3 1/8
05004660001	4.0	80	98	3 1/8
05004665001	5.0	80	105	3 1/8
05004670001	6.0	100	105	4
05004675001	8.0	100	112	4

Weblink

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