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**VDE Cobra Chrome Waterpump Pliers**

Manufactured to DIN ISO 8976 Specifications. Tested to EN 60900:2004  
**Expert Quality**, manufactured from chrome vanadium electric steel, oil hardened, tempered and chrome plated, with smoothly ground jaws, joint faces and an accurately formed box joint with safety stop. The parallelogram-shaped gripping surfaces have specially hardened teeth to 61HRC for positive grip on pipes and nuts. One hand press button adjustment. Heavy duty moulded handles with slip guards for extra safety. Has 'no-nip' feature which prevents handles locking together and damaging users' hands. Display packed.

Stock No.	Overall Length	Holding Capacities				Box Qty	Price each
		Jaw Positions	Pipes O/D dia.	Nuts (across flats)			
34672	250mm	25	51mm	46mm	-	€80.52D	



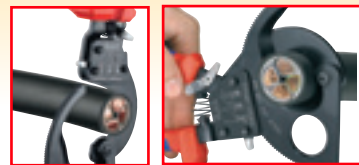
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**VDE Fully Insulated Ratchet Action Cable Cutter**

Tested to EN 60900:2004  
**Expert Quality**, tested to 10,000V and insulated to 1000V AC and 1500V DC for live line working. Forged from special grade tool steel. Smoothly ground head with cutting edges precision ground and hardened. One hand operation with two-stage ratchet drive for easy cutting without crushing cables. Insulated handles with slip guards for extra safety and comfort. Sold loose.

**NB: These products are NOT suitable for cutting wire cables or steel wire**

Stock No.	Overall Length	Cutting Capacity		Box Qty	Price each
		Cu + Al Cables			
57677	250mm	32mm dia.-240mm <sup>2</sup>		-	€449.98D
55015	280mm	52mm dia.-380mm <sup>2</sup>		-	€598.51D



**the 'S' range**

The professional electricians tools in this range are insulated for use up to 1000V AC and 1500V DC and tested to conform to the latest regulations and requirements of National and International Standards.

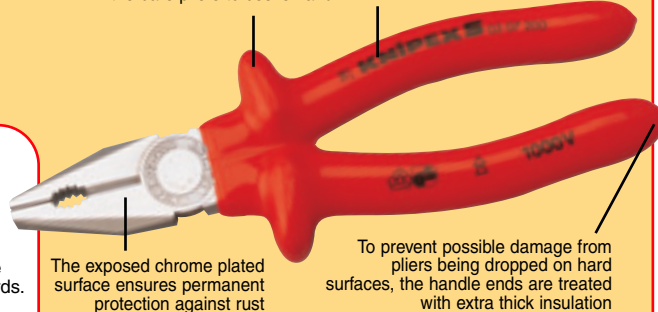
**EN 60900 APPROVED TOOLS**

See page 238 for technical information on EN 60900 specification.

**LIVE LINE WORKING**

When working on electrical installations, it is safest to disconnect these systems from the energy supply first. Only a skilled and qualified electrician may work on live installations and then only in conformance with the relevant industrial safety standards.

The slip guard is specifically designed to avoid spark-over or current passage from the bare pliers to user's hand  
 The thickness of the rugged and wear resistant insulation is never less than 1mm.



The exposed chrome plated surface ensures permanent protection against rust

To prevent possible damage from pliers being dropped on hard surfaces, the handle ends are treated with extra thick insulation



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**Fully Insulated 'S' Range Combination Pliers**

Manufactured to DIN ISO 5746 Specifications. Tested to EN60900:2004  
**Expert Quality**, tested to 10,000V and insulated to 1000V AC and 1500V DC for live line working. Manufactured from special tool steel, oil hardened and tempered. Smoothly ground chrome plated heads with cutting edges separately induction hardened to 60HRC for cutting medium-hard and hard wire. Heavy 'S' Range plastic dipped insulated handles with slip guards for extra comfort and safety. Sold loose.

Stock No.	Overall Length	Cable dia.	Cutting Capacities-mm			Box Qty	Price each
			Cable mm <sup>2</sup>	Med Hard Wire dia.	Hard Wire dia.		
21452	180mm	12.0	16.0	3.4	2.2	-	€55.32D
21453	200mm	13.0	16.0	3.8	2.5	-	€58.70D



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**Fully Insulated 'S' Range Diagonal Side Cutters**

Manufactured to DIN ISO 5746 Specifications. Tested to EN60900:2004  
**Expert Quality**, tested to 10,000V and insulated to 1000V AC and 1500V DC for live line working. Manufactured from vanadium electric steel, oil hardened and tempered. Swedish pattern with smoothly ground chrome plated head and separately induction hardened cutting edges to 62HRC. Will cut hard, medium-hard and soft wires. Heavy 'S' Range plastic dipped insulated handles with slip guards for extra safety. Sold loose.

Stock No.	Overall Length	Cutting Capacities-mm			Box Qty	Price each
		Soft Wire dia.	Med Hard Wire dia.	Hard Wire dia.		
21455	180mm	4.0	3.0	2.5	-	€64.01D



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**Fully Insulated 'S' Range Long Nose Pliers**

Manufactured to DIN ISO 5746 Specifications. Tested to EN60900:2004  
**Expert Quality**, tested to 10,000V and insulated to 1000V AC and 1500V DC for live line working. Manufactured from vanadium steel, oil hardened and tempered. Smoothly ground chrome plated head with cutting edges separately induction hardened to 61HRC for cutting hard and soft wires. Straight, long flat-round jaws are serrated for easy grip. Heavy 'S' Range plastic dipped insulated handles with slip guards for extra comfort and safety. Sold loose.

Stock No.	Overall Length	Length	Jaw Size		Thickness-mm		Box Qty	Price each
			Base	Tip	Base	Tip		
21454	200mm	73.0mm	17.5	3.0	9.5	2.5	-	€65.88D



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**Fully Insulated 'S' Range Alligator Waterpump Pliers**

Manufactured to DIN ISO 5746 Specifications. Tested to EN60900:2004  
**Expert Quality**, tested to 10,000V and insulated to 1000V AC and 1500V DC for live line working. Manufactured from chrome vanadium electric steel, oil hardened and tempered with smoothly ground chrome plated jaws with joint faces and an accurately formed box joint. Nine position adjustment. The parallelogram-shaped gripping surfaces have specially hardened teeth to 61HRC for positive grip on pipes and nuts. Plastic coated handles with slip guards for extra safety. Has 'no-nip' feature which prevents handles locking together and damaging users' hands. Sold loose.

Stock No.	Overall Length	Holding Capacities		Box Qty	Price each
		Pipes O/D dia.	Nuts (across flats)		
21923	250mm	50mm	46mm	-	€74.69D

**Important Box Qty info:** For your convenience we recommend ordering in box quantity or multiples of box quantity where shown. You can still order in any quantity unless specifically stated otherwise.