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VDE FULLY INSULATED COBRA® WATERPUMP PLIERS

Manufactured to DIN ISO 8976 Specifications. Tested to EN 60900

Professional 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 jaws, joint faces and an accurately formed box joint. 24 position adjustment. The parallelogram-shaped gripping surfaces have specially hardened teeth to 61HRC for positive grip on pipes and nuts. Heavy insulated 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	Max. Holding Capacities	
		Pipes O/D dia.	Nuts (across flats)
10644	250mm	50mm	46mm



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VDE FULLY INSULATED ALLIGATOR® WATERPUMP PLIERS

Manufactured to DIN ISO 8976 Specifications. Tested to EN 60900

Professional 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 jaws, 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. Heavy insulated 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	Max. Holding Capacities	
		Pipes O/D dia.	Nuts (across flats)
32013	250mm	50mm	46mm

THE SIX FUNCTION PLIERS FROM KNIPEX

Clear cut outside edge on the jaw for working on flush-mounted junction boxes

Smooth surfaces near the tips grip single cores without causing damage

Serrated gripping surface

Stripping holes for conductors 0.75 - 2.5mm²

Crimp die for wire and ferrules 0.5-2.5mm²

Induction hardened cutting shears for copper and aluminium cables up to 5 x 2.5mm²

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VDE ELECTRICIANS UNIVERSAL INSTALLATION PLIERS

Manufactured to DIN ISO 5745 Specifications. Tested to EN 60900

Professional Quality, for the all-round professional, tested to 10,000V and insulated to 1000V AC and 1500V DC for live line working. Multifunctional electrical installation pliers ideal for gripping flat and round material, bending, deburring, cutting cable, stripping and crimping ferrules; 6 functions in one pair of pliers! Built in shears allow up to 15mm diameter copper cable to be cut. Manufactured from high-grade oil hardened steel with precision ground stripping holes. Separately induction hardened cutting edges give a clean cut every time. Heavy duty insulated handles and slip guards for extra comfort and safety. Display packed.

Stock No.	Overall Length	Stripping Cap. mmØ	Crimp Cable Links mm ²	Cutting Cable mmØ
80803	200mm	0.75-2.5mm	0.5-2.5mm	15mm

SPECIAL FEATURES OF THE 'X CUT'

40% LESS EFFORT REQUIRED COMPARED TO HIGH LEVERAGE DIAGONAL SIDE CUTTERS OF SIMILAR LENGTH!

- Item No. 4 has a box-joint design: highest stability with low weight
- Doubly supported joint axis for heaviest duty
- High cutting capacity with very little effort thanks to the optimum coordination of cutting-edge angle and leverage ratio with laterally staggered pivot point
- Large opening width for thicker cables
- Cuts precisely, even through fine copper wires
- Compact, low-weight construction

High leverage joint = extra cutting power



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VDE FULLY INSULATED 'X CUT' HIGH LEVERAGE DIAGONAL SIDE CUTTERS

Manufactured to DIN ISO 5746 Specifications. Tested to EN 60900

Professional Quality, tested to 10,000V and insulated to 1000V AC and 1500V DC for live line working. Manufactured from chrome vanadium heavy duty steel, oil hardened and tempered. Smoothly ground heads with separately induction hardened cutting edges for cutting piano and medium hard wires. The cutter has a double supported axis allowing for 40% less effort when cutting compared to high leverage cutters of the same size. Heavy duty moulded handles and slip guards for extra comfort and safety. Display packed.

Stock No.	Overall Length	Cutting Capacities-mm			
		Med Hard Wire dia.	Hard Wire dia.	Piano Wire dia.	Copper/Plastic
54087	160mm	3.8	2.7	2.2	4.8



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VDE ASSEMBLY PACK (3 PIECE)

Manufactured to DIN ISO 8976 Specifications. Tested to EN 60900

Professional Quality, comprising three commonly used types of pliers. Display packed. Contents: 180mm Combination Pliers with slippguards; 200mm Long Nose Pliers with slippguards; 160mm Diagonal Side Cutters with slippguards

Stock No.
44948