

TOLSEN

VDE LINE 



UTENSILI ISOLATI

PREMIUM

utensili professionali **VDE**



VDE si riferisce a Verband Deutscher Elektrotechniker in tedesco. Le attrezzature tecniche di lavoro e i materiali di consumo soggetti alle leggi applicabili sulla sicurezza dei dispositivi e dei prodotti recano il marchio **VDE-GS**, che rappresenta la sicurezza del prodotto in relazione a rischi elettrici, meccanici, termici, tossicologici, radiologici e di altro tipo. Inoltre, gli utensili con il marchio **VDE-GS** sono conformi alle norme **VDE** o alle norme europee o internazionalmente armonizzate, ovvero confermano la conformità ai requisiti di sicurezza delle rispettive linee guida.

 1000V

DOPPIO TRIANGOLO E RANGE DI TENSIONE

Se gli utensili o gli ausiliari isolati sono contrassegnati con il simbolo del triangolo doppio e le specifiche di tensione o campo o classe assegnate, sono adatti per lavorare sotto la tensione indicata.

DIN EN 60900 (IEC 60900)

Uno standard internazionale che, tra le altre cose, descrive in dettaglio la progettazione di strumenti isolati. Ad esempio, viene specificato lo spessore dell'isolamento protettivo. Inoltre, lo standard definisce i singoli test (test dei pezzi) nonché test di serie e campioni casuali per il controllo della sicurezza elettrica dell'isolamento protettivo.



TEST DI ISOLAMENTO

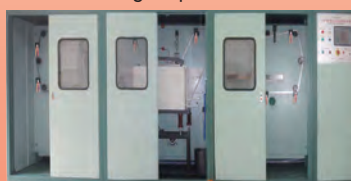
Ogni strumento è testato a 10.000 V



TEST D'IMPATTO

La prima prova viene effettuata a una temperatura ambiente di $23 \pm 50C$ e l'energia del test di impatto può essere uguale a una caduta da un'altezza di 2 metri.

Il secondo test viene eseguito a una temperatura ambiente di $-25 \pm 30C$ e l'energia del test di impatto può essere uguale a una caduta da un'altezza di 0,6 metri. Se con C segnato, il test deve essere eseguito per $-40 \pm 30C$.



PROVA ELETTRICA

Il campione viene immerso in un bagno d'acqua a temperatura ambiente di $24 \pm 0,5$ ore. non dovrebbero esserci scariche elettriche, scintille o scariche elettriche durante i test di 3 minuti a una tensione di 10 KV.



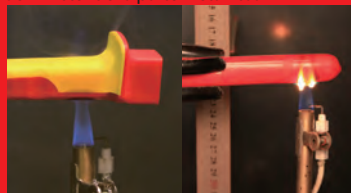
TEST DI INDUZIONE

Con il caricamento di un peso di 20 N e una tensione di 5KV, il penetratore viene applicato al centro della maniglia. sotto la situazione, il pezzo di prova dovrebbe superare il test elettrico.



PROVA DI ADESIONE DEL RIVESTIMENTO DEL MATERIALE ISOLANTE

Il provino viene riscaldato a $70 \pm 30C$ per 168 ore, quindi caricato con i pesi, la maniglia deve essere completamente fissata alla prova di arminster della parte metallica.



PROVA DI RITARDANZA DI FIAMMA

La fiamma viene applicata al provino per 10 secondi. l'altezza della fiamma sulla maniglia in fiamme non deve superare 120 mm in 20 secondi dopo la rimozione del bruciatore

VDELINE TOLSEN™

PINZE COMBinate ISOLATE

- VDE/GS certifica ed
- Manufactured according to EN60900
- Metal part made in CrV steel
- Black finished and polished sur ace
- Precision machined body with strictly heat treatment
- Heavy two-component insulated handles with slip guards for extra comfort and safety
- Packing: blister card



CODICE	MISURA	PZ/CONF
V38116	160mm	6
V38117	180mm	6
V38118	200mm	6

PINZE TROCHESI ISOLATE

- VDE/GS certifica ed
- Manufactured according to EN60900
- Metal part made in CrV steel
- Black finished and polished sur ace
- Precision machined body with strictly heat treatment
- High leverage eccentric joint which makes the cutting of wires and cables up to 35% easier on the user
- Heavy two-component insulated handles with slip guards for extra comfort and safety
- Packing: blister card



CODICE	MISURA	PZ/CONF
V38126	160mm	6

PINZE TRONCHESI ISOLATE

- VDE/GS certifica ed
- Manufactured according to EN60900
- Metal part made in CrV steel
- Black finished and polished sur ace
- Precision machined body with strictly heat treatment
- High leverage eccentric joint which makes the cutting of wires and cables up to 35% easier on the user
- Heavy two-component insulated handles with slip guards for extra comfort and safety
- Packing: blister card



CODICE	MISURA	PZ/CONF
V38127	180mm	6

PINZE BECCHI LUNGI ISOLATE

- VDE/GS certifica ed
- Manufactured according to EN60900
- Metal part made in CrV steel
- Black finished and polished sur ace
- Precision machined body with strictly heat treatment
- Flat-round jaws have serrated gripping surfaces
- Heavy two-component insulated handles with slip guards for extra comfort and safety
- Packing: blister card



CODICE	MISURA	PZ/CONF
V38136	160mm	6
V38138	200mm	6

PINZE BECCHI LUNGI PIEGATI ISOLATE

- VDE/GS certifica ed
- Manufactured according to EN60900
- Metal part made in CrV steel
- Black finished and polished sur ace
- Precision machined body with strictly heat treatment
- Heavy two-component insulated handles with slip guards for extra comfort and safety
- Packing: blister card



CODICE	MISURA	PZ/CONF
V38146	160mm	6
V38148	200mm	6

PINZE BECCHI LUNGI PIATTI ISOLATE

- VDE/GS certifica ed
- Manufactured according to EN60900
- Metal part made in CrV steel
- Black finished and polished sur ace
- Precision machined body with strictly heat treatment
- Flat jaws have serrated gripping surfaces
- Heavy two-component insulated handles with slip guards for extra comfort and safety
- Packing: blister card



CODICE	MISURA	PZ/CONF
V38156	160mm	6

PINZE BECCHI LUNGI ARROTONDATI ISOLATE

- VDE/GS certificata ed
- Manufactured according to EN60900
- Metal part made in CrV steel
- Black finished and polished sur ace
- Precision machined body with strictly heat treatment
- Heavy two-component insulated handles with slip guards for extra comfort and safety
- Packing: blister card



NEW



CODICE	MISURA	PZ/CONF
V38166	160mm	6

PINZE SPELACAVI ISOLATE

- VDE/GS certificata ed
- Manufactured according to EN60900
- Metal part made in CrV steel
- Black finished and polished sur ace
- Precision machined body with strictly heat treatment
- Smoothly ground accurate V shaped polished jaw head with locking adjustable screw for setting to the desired diameter.
- Can be used for solid or stranded wire up to 5mm (10mm²) diameter.
- Heavy two-component insulated handles with slip guards for extra comfort and safety
- Packing: blister card



NEW



CODICE	MISURA	PZ/CONF
V38176	160mm	6



Verificare che l'isolamento non sia danneggiato ogni volta prima di utilizzare lo strumento; strumenti difettosi non devono essere utilizzati e devono essere rimossi da tutti gli isolanti.



Mantieni i tuoi strumenti VDE 1000 V puliti e asciutti.

SET 3pz PINZE ISOLATE

- 1pc 180mm insulated combination pliers
- 1pc 160mm insulated long nose pliers
- 1pc 160mm insulated diagonal cutting pliers
- VDE/GS certificata ed
- Manufactured according to EN60900
- Metal part made in CrV steel
- Black finished and polished sur ace
- Precision machined body with strictly heat treatment
- Heavy two-component insulated handles with slip guards for extra comfort and safety
- Packing: canvas bag with color box



CODICE	MISURA	PZ/CONF
V83103		1

SET 4pz PINZE ISOLATE

- 1pc 180mm insulated combination pliers
- 1pc 200mm insulated long nose pliers
- 1pc 160mm insulated diagonal cutting pliers
- 1pc 160mm insulated wire stripping pliers
- VDE/GS certificata ed
- Manufactured according to EN60900
- Metal part made in CrV steel
- Black finished and polished sur ace
- Precision machined body with strictly heat treatment
- Heavy two-component insulated handles with slip guards for extra comfort and safety
- Packing: canvas bag with color box

NEW



CODICE	MISURA	PZ/CONF
V83204		1

SET 6pz PINZE E CACCIAVITI ISOLATI

- 1pc 180mm insulated combination pliers
- 1pc 160mm insulated diagonal cutting pliers
- 2pcs insulated slotted screwdriver: 0.4x2.5x75mm, 0.8x4.0x100mm
- 1pc insulated phillips screwdriver: PH2x100mm
- 1pc 3.0x70mm voltage tester
- VDE/GS certificata ed
- Manufactured according to EN60900
- Packing: canvas bag with color box



CODICE	MISURA	PZ/CONF
V83306		1

SET 11pz PINZE E CACCIAVITI ISOLATI

- 1pc 180mm insulated combination pliers
- 1pc 200mm insulated long nose pliers
- 1pc 160mm insulated diagonal cutting pliers
- 1pc 160mm insulated wire stripping pliers
- 3pcs insulated slotted screwdriver: 0.4x2.5x75mm, 0.8x4.0x100mm, 1.0x5.5x125mm
- 2pcs insulated phillips screwdriver: PH1x80mm, PH2x100mm
- 1pc 3.0x70mm voltage tester
- 1pc 50x180mm cable knife
- VDE/GS certificata ed
- Manufactured according to EN60900
- Packing: canvas bag with color box

NEW



CODICE	MISURA	PZ/CONF
V83411		1

CACCIAVITE FISSO ISOLATO

- VDE/GS certificata ed
- S2 material blade, entirely hardened and tempered
- Chemically blacked surface
- Grip and sleeve manufactured according to EN60900
- Ergonomic shape for easy to handle
- With hanging hole
- Packing: plastic bag

NEW



CODICE	MISURA	PZ/CONF
V30204	0.4x2.5x75mm	6
V30205	0.5x3.0x100mm	6
V30206	0.6x3.5x100mm	6
V30208	0.8x4.0x100mm	6
V30210	1.0x5.5x125mm	6
V30212	1.2x6.5x150mm	6

CACCIAVITE PHILLIPS ISOLATO

- VDE/GS certificata ed
- S2 material blade, entirely hardened and tempered
- Chemically blacked surface
- Grip and sleeve manufactured according to EN60900
- Ergonomic shape for easy to handle
- With hanging hole
- Packing: plastic bag

NEW



CODICE	MISURA	PZ/CONF
V30400	PH0x60mm	6
V30401	PH1x80mm	6
V30402	PH2x100mm	6
V30403	PH3x150mm	6

CACCIAVITE POZIDRIV ISOLATO

- VDE/GS certificata ed
- S2 material blade, entirely hardened and tempered
- Chemically blacked surface
- Grip and sleeve manufactured according to EN60900
- Ergonomic shape for easy to handle
- With hanging hole
- Packing: plastic bag

NEW



CODICE	MISURA	PZ/CONF
V30600	PZ0x60mm	6
V30601	PZ1x80mm	6
V30602	PZ2x100mm	6
V30603	PZ3x150mm	6

CACCIAVITE TORX ISOLATO

- VDE/GS certificata ed
- S2 material blade, entirely hardened and tempered
- Chemically blacked surface
- Grip and sleeve manufactured according to EN60900
- Ergonomic shape for easy to handle
- With hanging hole
- Packing: plastic bag

NEW



CODICE	MISURA	PZ/CONF
V30810	T10x70mm	6
V30815	T15x80mm	6
V30820	T20x100mm	6
V30825	T25x125mm	6
V30830	T30x130mm	6

CACCIAVITE ESAGONALE ISOLATO

- VDE/GS certificata ed
- S2 material blade, entirely hardened and tempered
- Chemically blacked surface
- Grip and sleeve manufactured according to EN60900
- Ergonomic shape for easy to handle
- With hanging hole
- Packing: plastic bag

NEW



CODICE	MISURA	PZ/CONF
V31025	H2.5x75mm	6
V31003	H3.0x75mm	6
V31004	H4.0x75mm	6
V31005	H5.0x75mm	6
V31006	H6.0x100mm	6
V31008	H8.0x100mm	6

CACCIAVITE A TESTA ESAGONALE ISOLATO

- VDE/GS certificata ed
- Chrome vanadium socket, entirely hardened and tempered
- Chemically blacked surface
- Grip and sleeve manufactured according to EN60900
- Ergonomic shape for easy to handle
- With hanging hole
- Packing: plastic bag

NEW

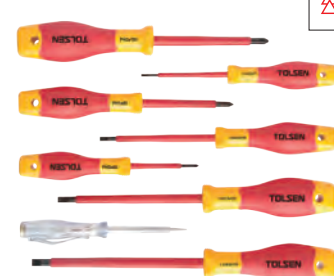


CODICE	MISURA	PZ/CONF
V31204	4.0x125mm	6
V31205	5.0x125mm	6
V31255	5.5x125mm	6
V31206	6.0x125mm	6
V31207	7.0x125mm	6
V31208	8.0x125mm	6
V31209	9.0x125mm	6
V31210	10x125mm	6
V31211	11x125mm	4
V31212	12x125mm	4
V31213	13x125mm	4
V31214	14x125mm	4

SET 8pz CACCIAVITI MISTI ISOLATI

- 4pcs insulated slotted screwdrivers: 0.4x2.5x75mm, 0.8x4.0x100mm, 1.0x5.5x125mm, 1.2x6.5x150mm
- 3pcs insulated phillips screwdrivers: PH0x60mm, PH1x80mm, PH2x100mm
- 1pc 3.0x70mm voltage tester
- VDE/GS certificata ed
- Manufactured according to EN60900
- Packing: color box

NEW



CODICE	MISURA	PZ/CONF
V32408		3

SET 6pz CACCIAVITI MISTI ISOLATI

- 3pcs insulated slotted screwdrivers: 0.4x2.5x75mm, 0.8x4.0x100mm, 1.0x5.5x125mm
- 2pcs insulated phillips screwdrivers: PH1x80mm, PH2x100mm
- 1pc 3.0x70mm voltage tester
- VDE/GS certificata ed
- Manufactured according to EN60900
- Packing: color box

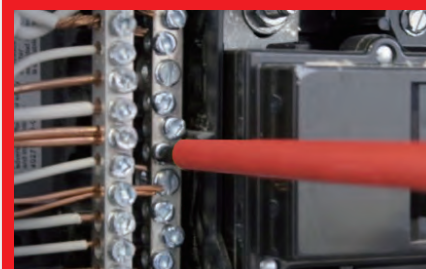


CODICE	MISURA	PZ/CONF
V33506		3



tappo colorato per un facile riconoscimento

Ogni provetta coibentata e presa intera ha superato il test 2 volte 10.000 V per garantire la sicurezza, ha ottenuto il certificato **VDE / GS.**



CACCIAVITE DI PRECISIONE FISSO ISOLATO

- VDE/GS certifica ed
- S2 material blade, entirely hardened and tempered
- Chemically blacked surface
- Grip and sleeve manufactured according to EN60900
- Ergonomic shape handle
- Packing: blister card

NEW



CODICE	MISURA	PZ/CONF
V31415	1.5x0.23x50mm	6
V31418	1.8x0.30x50mm	6
V31420	2.0x0.40x50mm	6
V31425	2.5x0.40x50mm	6
V31430	3.0x0.50x50mm	6

PREMIUM

SET 7pz CACCIAVITI DI PRECISIONE ISOLATI MISTI

- 5pcs insulated precision slotted screwdrivers: 1.5x0.23x50mm, 1.8x0.30x50mm, 2.0x0.40x50mm, 2.5x0.40x50mm, 3.0x0.50x50mm
- 2pcs insulated precision phillips screwdrivers: PH00x50mm, PH0x50mm;
- VDE/GS certifica ed
- S2 material blade, entirely hardened and tempered
- Chemically blacked surface
- Grip and sleeve manufactured according to EN60900
- Ergonomic shape handle
- Packing: color box



CODICE	MISURA	PZ/CONF
V32007		3

PREMIUM

CERCAFASE PROFESSIONALE

- VDE/GS certifica ed
- Manufactured according to DIN VDE 0680
- Test voltage: AC 125 ~ 250 V
- Packing: blister card



CODICE	MISURA	PZ/CONF
V70670	3.0x70mm	6

CHIAVE A FORCHETTA ISOLATA

- VDE/GS certifica ed
- Manufactured according to EN60900
- Chrome vanadium material body, entirely hardened and tempered
- Handle are dipped with double layers
- Packing: plastic bag with paper hanger



CODICE	MISURA	PZ/CONF
V40106	6mm	6
V40107	7mm	6
V40108	8mm	6
V40109	9mm	6
V40110	10mm	6
V40111	11mm	6
V40112	12mm	6
V40113	13mm	6
V40114	14mm	6
V40115	15mm	6
V40116	16mm	6
V40117	17mm	6
V40118	18mm	6
V40119	19mm	6
V40121	21mm	6
V40122	22mm	6
V40124	24mm	6
V40127	27mm	5
V40130	30mm	1
V40132	32mm	1

CACCIAVITE DI PRECISIONE PHILLIPS ISOLATO

- VDE/GS certifica ed
- S2 material blade, entirely hardened and tempered
- Chemically blacked surface
- Grip and sleeve manufactured according to EN60900
- Ergonomic shape handle
- Packing: blister card

NEW



CODICE	MISURA	PZ/CONF
V31600	PH00x50mm	6
V31601	PH0x50mm	6
V31602	PH1x50mm	6

PREMIUM

SET 12pz CACCIAVITE PUNTE INTERCAMBIABILI ISOLATE

- 1pc 31x105mm insulated ergonomic shape handle
- 7pcs insulated slotted screwdrivers: 0.4x2.0x100mm, 0.4x2.5x100mm, 0.5x3.0x100mm, 0.6x3.5x100mm, 0.8x4.0x100mm, 1.0x5.5x100mm, 1.2x6.5x100mm
- 3pcs insulated phillips screwdrivers: PH0x100mm, PH1x100mm, PH2x100mm
- 1pc 3.0x70mm voltage tester
- VDE/GS certifica ed
- Manufactured according to EN60900
- Packing: canvas bag with color box

NEW



PREMIUM

CACCIAVITE DI PRECISIONE TORX ISOLATO

- VDE/GS certifica ed
- S2 material blade, entirely hardened and tempered
- Chemically blacked surface
- Grip and sleeve manufactured according to EN60900
- Ergonomic shape handle
- Packing: blister card

NEW

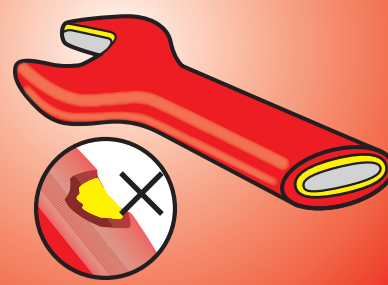


CODICE	MISURA	PZ/CONF
V31806	T6x50mm	6
V31808	T8x50mm	6
V31810	T10x50mm	6
V31815	T15x50mm	6
V31820	T20x50mm	6

PREMIUM



CODICE	MISURA	PZ/CONF
V33212		1



L'isolamento degli utensili è a due strati

SET 6pz CHIAVI A FORCHETTA ISOLATE

- 6pcs Insulated open end spanners: 10mm, 12mm, 13mm, 14mm, 17mm, 19mm
- VDE/GS certificata ed
- Manufactured according to EN60900
- Chrome vanadium material body, entirely hardened and tempered
- Handle are dipped with double layers
- Packing: canvas bag with color box

NEW



CODICE	MISURA	PZ/CONF
V83606		1

CHIAVE POLIGONALE ISOLATA

- VDE/GS certificata ed
- Manufactured according to EN60900
- Chrome vanadium material body, entirely hardened and tempered
- Handle are dipped with double layers
- Packing: plastic bag with paper hanger

PREMIUM



CODICE	MISURA	PZ/CONF
V40306	6mm	6
V40307	7mm	6
V40308	8mm	6
V40309	9mm	6
V40310	10mm	6
V40311	11mm	4
V40312	12mm	4
V40313	13mm	4
V40314	14mm	4
V40315	15mm	4
V40316	16mm	4
V40317	17mm	4
V40318	18mm	4
V40319	19mm	4
V40321	21mm	3
V40322	22mm	1
V40324	24mm	1
V40327	27mm	1
V40330	30mm	1
V40332	32mm	1

CHIAVE A RULLINO ISOLATA

- VDE/GS certificata ed
- Manufactured according to EN60900
- Chrome vanadium material body, entirely hardened and tempered
- Chrome plated surface
- Packing: blister card

NEW



CODICE	MISURA	PZ/CONF
V40520	200mm	3
V40525	250mm	2

CHIAVE A CRICCHETTO ISOLATA

- Manufactured according to EN60900
- Chrome vanadium material body, entirely hardened and tempered
- Handle are dipped with double layers
- 72 teeth, 5° working angle
- Packing: plastic bag with paper hanger

PREMIUM



CODICE	MISURA	PZ/CONF
V42710	10mm	6
V42711	11mm	6
V42712	12mm	6
V42713	13mm	6
V42714	14mm	6
V42715	15mm	6
V42716	16mm	6
V42717	17mm	6
V42718	18mm	6
V42719	19mm	6

COLTELLO SPELACAVI ISOLATO

- VDE/GS certificata ed
- Manufactured according to EN60900
- Stainless steel blade, entirely hardened and tempered;
- Packing: blister card

NEW



CODICE	MISURA	PZ/CONF
V50418	50x180mm	1

COLTELLO SPELACAVI ISOLATO

- VDE/GS certificata ed
- Manufactured according to EN60900
- Stainless steel blade, entirely hardened and tempered;
- Packing: blister card

NEW



CODICE	MISURA	PZ/CONF
V51416	50x185mm	1

FORBICI ISOLATE

- VDE/GS certificata ed
- Manufactured according to EN60900
- Stainless steel blade, entirely hardened and tempered
- Packing: blister card

PREMIUM



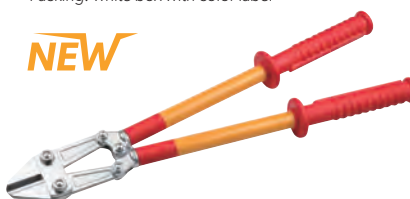
CODICE	MISURA	PZ/CONF
V90047	160mm	1

TAGLIABULLONI ISOLATA

- Manufactured according to EN60900
- Chrome vanadium blade, entirely hardened and tempered
- Chrome plated surface
- Insulated fiberglass handle with heavy duty TPR grips
- Packing: white box with color label

PREMIUM

NEW



CODICE	MISURA	PZ/CONF
V12224	600mm	1

VALIGETTA 15pz ASSORTITI UTENSILI ISOLATI

- 1pc 200mm insulated combination pliers
- 1pc 200mm insulated long nose pliers
- 1pc 160mm insulated diagonal cutting pliers
- 1pc 160mm insulated wire stripping pliers
- 5pcs insulated slotted screwdrivers: 0.4x2.5x75mm, 0.5x3.0x100mm, 0.8x4.0x100mm, 1.0x5.5x125mm, 1.2x6.5x150mm
- 4pcs insulated phillips screwdrivers: PH0x60mm, PH1x80mm, PH2x100mm, PH3x150mm
- 1pc 3.0x70mm voltage tester
- 1pc 50x180mm cable knife
- VDE/GS certificata ed
- Manufactured according to EN60900
- Packed strong plastic box with EVA inside
- One box Packing: color sleeve with shrink

PREMIUM

NEW



CODICE	MISURA	PZ/CONF
V82115		1

VALIGETTA 18pz ASSORTITI UTENSILI ISOLATI

- 1pc 200mm insulated dipped combination pliers
- 1pc 160mm insulated dipped long nose pliers
- 1pc 160mm insulated dipped diagonal cutting pliers
- 1pc 160mm insulated dipped wire stripping pliers
- 3pcs Insulated slotted screwdrivers: 0.4x2.5x75mm, 0.8x4.0x100mm, 1.0x5.5x125mm
- 3pcs insulated phillips screwdrivers: PH0x60mm, PH1x80mm, PH2x100mm
- 5pcs insulated open end spanners: 10mm, 12mm, 14mm, 17mm, 19mm
- 1pc 3.0x70mm voltage tester
- 1pc 50x180mm cable knife
- 1pc 250mm insulated adjustable wrench;
- VDE/GS certificata ed
- Manufactured according to EN60900
- Packed strong plastic box with EVA inside
- One box Packing: color sleeve with shrink

PREMIUM

NEW



CODICE	MISURA	PZ/CONF
V83718		1

VALIGETTA 25pz ASSORTITI UTENSILI ISOLATI

- 1pc 180mm insulated dipped combination pliers
- 1pc 180mm insulated dipped long nose pliers
- 1pc 160mm insulated dipped diagonal cutting pliers
- 2pcs insulated slotted screwdrivers: 0.8x4.0x100mm, 1.0x5.5x125mm
- 2pcs insulated slotted screwdrivers: PH1x80mm, PH2x100mm
- 14pcs 1/2" insulated dipped sockets: 10mm, 11mm, 12mm, 13mm, 14mm, 16mm, 17mm, 18mm, 19mm, 22mm, 24mm, 27mm, 30mm, 32mm
- 1pc 200mm insulated adjustable wrench
- 2pcs insulated extension bars: 1/2"x125mm, 1/2"x250mm
- 1pc 1/2"x250 insulated dipped reversible ratchet
- VDE/GS certificata ed
- Manufactured according to EN60900
- Packed strong plastic box with EVA inside
- One box Packing: color sleeve with shrink

PREMIUM

NEW



CODICE	MISURA	PZ/CONF
V83825		1

