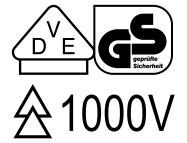


TOLSEN

VDEL^{INE}



**INJECTION
INSULATED
TOOLS**

**DIPPED
INSULATED
TOOLS**

MANUFACTURED
ACCORDING TO
IEC60900
STANDARD AND
ASTM F1505
STANDARD



V25.01



DESIGNED FOR MAINTENANCE OF
ELECTRIC VEHICLES & POWER

PROFESSIONAL PERFORMANCE WHY CHOOSE **TOLSEN** **VDELINE** ?



TOLSEN VDELINE, founded in 2004, is a leading influencer in industries such as electrical insulation, new energy vehicle maintenance and telecom tool manufacture.

Through continuous research, development and quality management system, we have become one of the few manufacturers capable of supplying full series of VDE certificates in the world.

Our full range of diverse tools meet the needs of different workplaces. We can also manufacture according to your samples and drawings of any customization.

TOLSEN

VDELINE

What is VDE?



The VDE Testing and Certification Institute is a nationally and internationally accredited institution in the field of testing and certification of electrical engineering devices, components and systems. These electrical products are tested for safety, electromagnetic compatibility and other product properties.



VDE-GS Mark

Technical working equipment and consumable materials subject to the applicable device and product safety laws bear the VDE-GS mark, which stands for the safety of the product with regard to electrical, mechanical, thermal, toxicological, radiological and other dangers. In addition, tools with the VDE-GS mark conform to the VDE regulations or European or internationally harmonised standards, i.e. they confirm the compliance with the safety requirements of the respective guidelines.



Double triangle and voltage range

If insulated tools or aids are marked with the symbol of the double triangle and the assigned voltage or voltage range specification or the class, they are suitable for working on energised parts at the stated voltage.

IEC 60900

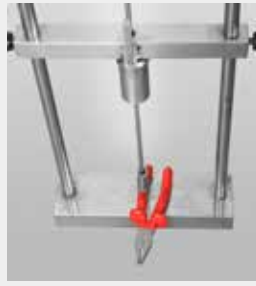
IEC 60900

An international standard which, among other things, describes the design of insulated tools in detail. For example, the thickness of the protective insulation is specified. In addition, the standard defines individual tests (piece tests) as well as series and random sample tests for checking the electrical safety of the protective insulation.



WE PROVIDE
FULL RANGE OF
PROFESSIONAL
TOOLS





IMPACT TEST

There are two tests carried out: The first test is performed at an ambient of $-25\pm 3^{\circ}\text{C}$ (the tools lay in a cold chamber for 2 hours), if with C marked test need to be done by $-40\pm 3^{\circ}\text{C}$ and is carried out 120 seconds after the tools have been removed from the chamber. The second test is carried out at ambient temperature of $23\pm 5^{\circ}\text{C}$. The hammer is allowed to fall freely on three different places of the insulated material. The test piece is acceptable if the handle is not cracked, broken or does not show signs of flaking. This test can be compared to a fall of the tool from a height of 0.6m at a temperature of -25°C and a fall from a height of 2m at room temperature.



ELECTRICAL TEST

Before testing, the tools are immersed in a bath of water at room temperature of 24 hours (± 0.5 hours). The test pieces are acceptable if there is no electrical discharge, spark over or flashover, during the 3 minutes of testing at a voltage of 10 KV.



STAMP TEST

The indenter, loaded with a weight of 20N and a voltage of 5 KV, is applied to the centre of the handle. The test is successful if the test piece subsequently passes the electrical test.



DRAWING-FORCE TEST

Before testing the test piece is heated to $70^{\circ}\text{C} \pm 3^{\circ}\text{C}$ for 168 hours. The hanger is loaded with weights (500N), wrenches and sockets sets with weights (100N). The duration of test is 3 minutes after the test piece has been removed from heat. The test piece is acceptable if the handle remains firmly attached to the conducting part after 3 minutes of testing.



FLAME RETARDANCY TEST

The flame is applied to the test piece for 10 seconds. The test piece is acceptable if the height of the flame on the burning handle does not exceed 120mm in an observation period of 20 seconds after the burner has been removed.

SALT-SPRAYER TEST

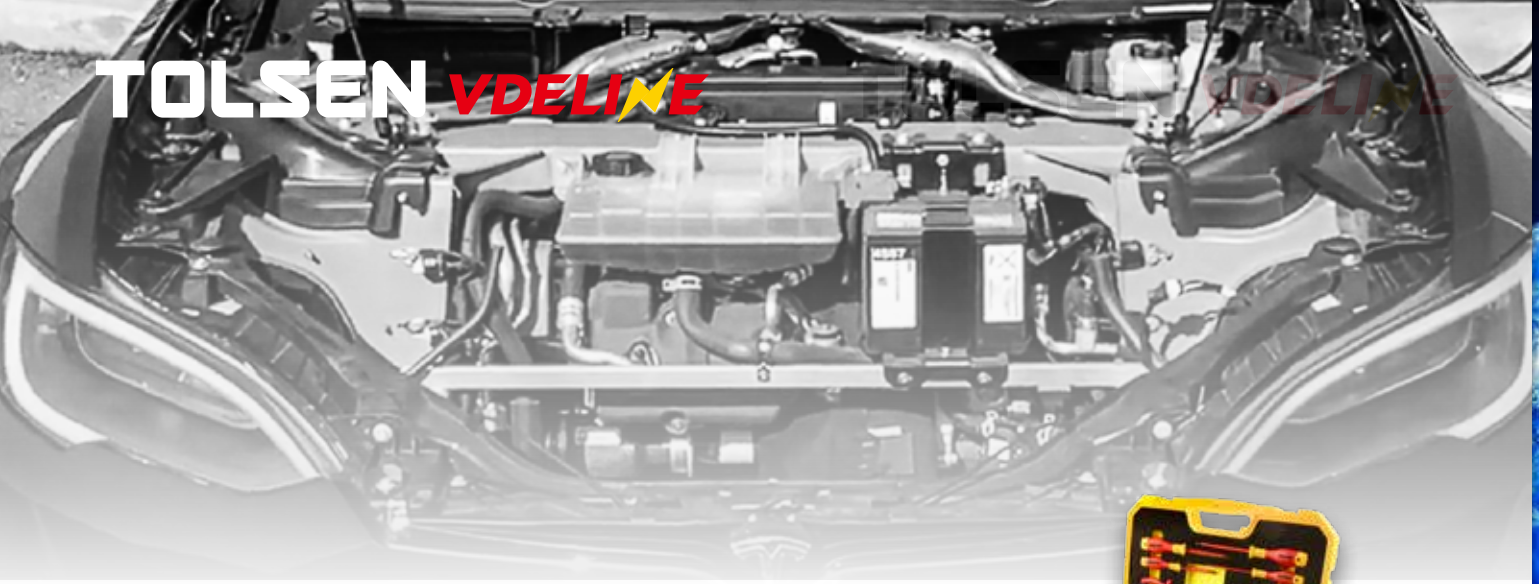


TORQUE LIFE TEST



HARDNESS TEST





INSULATED TOOLS SET **7-19**



INSULATED PLIERS **20-25**



INSULATED SCREWDRIVERS **26-33**



INSULATED WRENCHES & SOCKETS **34-49**

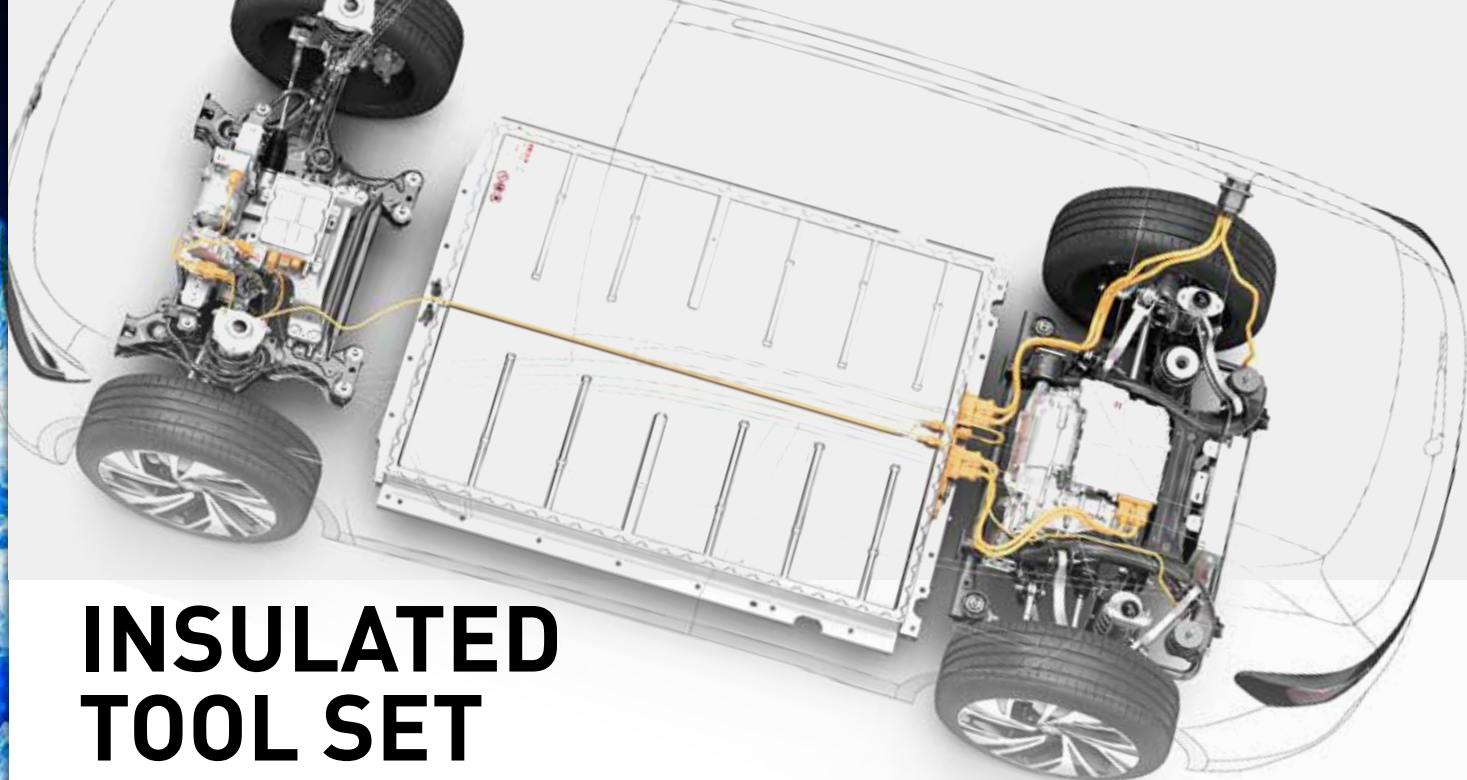


SPECIAL SPECIFICATIONS **50-53**



INSULATED ACCESSORIES **54-59**





INSULATED TOOL SET

Metal part made in CRV steel, chrome plated surface
Well heat treated to meet DIN standard
Bi-color injection grip and dipped grip manufactured according to IEC60900 standard



1000V

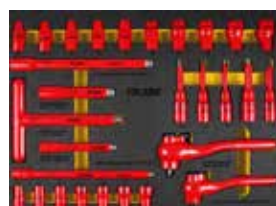
6 DRAWER ROLLER CABINET

Overall size: 840x465x885mm
PP material work table with steel handle
Fitted with two fixed & two braked swiveling casters
Drawers are fitted with EVA foam liner and ball bearing runners
secure integral locking system supplied with FOUR keys



68PCS DIPPED INSULATED TOOL SET

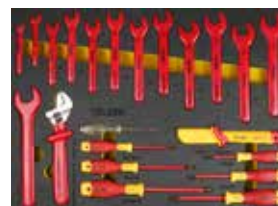
V80168



V80168-01 Tray 01



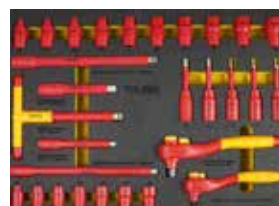
V80168-02 Tray 02



V80168-03 Tray 03

68PCS INJECTION INSULATED TOOL SET

V80169



V80169-01 Tray 01



V80169-02 Tray 02



V80169-03 Tray 03



V80168-01 Tray 01

10 pcs DR 1/2" Socket: 10, 11, 12, 13, 14, 16, 17, 19, 22, 24 mm
 2 pcs DR 1/2" Extension Bar: 5" (125mm) & 10" (250mm)
 1 pc DR 1/2" T-handle: 8" (200mm)
 5 pcs DR 1/2" Hexagonal Socket: 4, 5, 6, 8, 10 mm
 1 pc DR 1/2" Reversible Ratchet Handle
 7 pcs DR 3/8" Socket: 10, 12, 13, 14, 16, 17, 18 mm
 2 pcs DR 3/8" Extension Bar: 5" (125mm) & 10" (250mm)
 1 pc DR 3/8" Reversible Ratchet Handle



V80169-01 Tray 01

10 pcs 1/2" Socket: 10, 11, 12, 13, 14, 16, 17, 19, 22, 24 mm
 2 pcs 1/2" Extension Bar: 5" (125mm) & 10" (250mm)
 1 pc 1/2" T-handle: 8" (200mm)
 5 pcs 1/2" Hexagonal Socket: 4, 5, 6, 8, 10 mm
 1 pc 1/2" Reversible Ratchet Handle
 7 pcs 3/8" Socket: 10, 12, 13, 14, 16, 17, 18 mm
 2 pcs 3/8" Extension Bar: 5" (125mm) & 10" (250mm)
 1 pc 3/8" Reversible Ratchet Handle



V80168-02 Tray 02

13 pcs Ring Spanners:
 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm
 4 pcs Pliers:
 Combination Pliers, 8" (200mm)
 Longnose Pliers, 8" (200mm)
 Diagonal Cutting Pliers, 7" (180mm)
 Wire Stripping Pliers, 6" (160mm)



V80169-02 Tray 02

13 pcs, Ring Spanners:
 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm
 4 pcs, Pliers:
 Combination Pliers, 8" (200mm)
 Longnose Pliers, 8" (200mm)
 Diagonal Cutting Pliers, 7" (180mm)
 Wire Stripping Pliers, 6" (160mm)



V80168-03 Tray 03

13 pcs, Open Ended Spanners:
 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm
 1 pc Adjustable Wrench, 8" (200mm)
 6 pcs Screwdrivers:
 SL 2.5x75mm, 4.0x100mm, 5.5x125mm,
 PH0x60mm, PH1x80mm, PH2x100mm
 1 pc Voltage Tester: SL 3.0x70mm (125-250V)
 1 pc Knife: 7" (180mm)



V80169-03 Tray 03

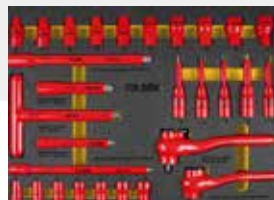
13 pcs, Open Ended Spanners:
 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm
 1 pc Adjustable Wrench: 8" (200mm)
 6 pcs Screwdrivers:
 SL 2.5x75mm, 4.0x100mm, 5.5x125mm,
 PH0x60mm, PH1x80mm, PH2x100mm
 1 pc Voltage Tester: SL 3.0x70mm (125-250V)
 1 pc Knife: 7" (180mm)

6 DRAWER ROLLER CABINET

Overall size: 840x465x885mm
 PP material work table with steel handle
 Fitted with two fixed & two braked swiveling casters
 Drawers are fitted with EVA foam liner and ball bearing runners
 secure integral locking system supplied with FOUR keys

83PCS **INSULATED** TOOL SET

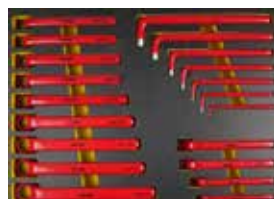
V80183



V80183-01 Tray 01



V80183-02 Tray 02



V80183-03 Tray 03



V80183-04 Tray 04

83PCS **INJECTION INSULATED** TOOL SET

V80184



V80184-01 Tray 01



V80184-02 Tray 02

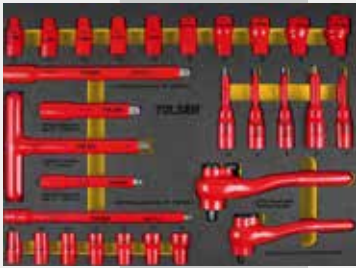


V80184-03 Tray 03



V80184-04 Tray 04





V80183-01 Tray 01

10 pcs DR 1/2" Socket: 10, 11, 12, 13, 14, 16, 17, 19, 22, 24 mm
 2 pcs DR 1/2" Extension Bar: 5"([125mm]) & 10"([250mm])
 1 pc DR 1/2" T-handle: 8"([200mm])
 5 pcs DR 1/2" Hexagonal Socket: 4, 5, 6, 8, 10 mm
 1 pc DR 1/2" Reversible Ratchet Handle
 7 pcs DR 3/8" Socket: 10, 12, 13, 14, 16, 17, 18 mm
 2 pcs DR 3/8" Extension Bar: 5"([125mm]) & 10"([250mm])
 1 pc DR 3/8" Reversible Ratchet Handle



V80183-02 Tray 02

9 pcs Screwdrivers:
 SL2.5x75mm, SL4.0x100mm, SL5.5x125mm, PH0x60mm,
 PH1x80mm, PH2x100mm, PZ0x60mm, PZ1x80mm, PZ2x100mm
 6 pcs Pliers & Clamps:
 Combination Pliers 8"([200mm]), Long nose Pliers 8"([200mm]),
 Diagonal Cutting Pliers 7"([180mm]), Wire Stripping Pliers 6"([160mm]),
 Plastic Clamp 6"([150mm]) & 8"([200mm])
 1 pc Scissor: 6"([160mm])
 1 pc Knife: 7"([180mm])
 1 pc Electrical Tape, black



V80183-03 Tray 03

13 pcs, Ring Spanners: 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm
 7 pcs, Hexagon Key L-Wrench: 3, 4, 5, 6, 8, 10, 12 mm



V80183-04 Tray 04

13 pcs Open Ended Spanners: 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm
 1 pc Adjustable Wrench: 8"([200mm])
 1 pc DR 1/2" Torque Wrench: 10-50 N.M
 1 pc DR 3/8" Torque Wrench: 5-25 N.M



V80184-01 Tray 01

10 pcs 1/2" Socket: 10, 11, 12, 13, 14, 16, 17, 19, 22, 24 mm
 2 pcs 1/2" Extension Bar: 5"([125mm]) & 10"([250mm])
 1 pc 1/2" T-handle: 8"([200mm])
 5 pcs 1/2" Hexagonal Socket: 4, 5, 6, 8, 10 mm
 1 pc 1/2" Reversible Ratchet Handle
 7 pcs 3/8" Socket: 10, 12, 13, 14, 16, 17, 18 mm
 2 pcs 3/8" Extension Bar: 5"([125mm]) & 10"([250mm])
 1 pc 3/8" Reversible Ratchet Handle



V80184-02 Tray 02

9 pcs Screwdrivers:
 SL2.5x75mm, SL4.0x100mm, SL5.5x125mm, PH0x60mm,
 PH1x80mm, PH2x100mm, PZ0x60mm, PZ1x80mm, PZ2x100mm
 6 pcs Pliers & Clamps:
 Combination Pliers 8"([200mm]), Long nose Pliers 8"([200mm]),
 Diagonal Cutting Pliers 7"([180mm]), Wire Stripping Pliers
 6"([160mm]), Plastic Clamp 6"([150mm]) & 8"([200mm])
 1 pc Scissor: 6"([160mm])
 1 pc Knife: 7"([180mm])
 1 pc Electrical Tape, black



V80184-03 Tray 03

13 pcs, Ring Spanners: 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm
 7 pcs, Hexagon Key L-Wrench: 3, 4, 5, 6, 8, 10, 12 mm



V80184-04 Tray 04

13 pcs Open Ended Spanners: 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm
 1 pc Adjustable Wrench: 8"([200mm])
 1 pc 1/2" Torque Wrench: 10-50 N.M
 1 pc 3/8" Torque Wrench: 5-25 N.M



22"
WATER PROOF
CASE
IP67 CLASS



V81700
22" WATER PROOF CASE
IP67 CLASS

V81852
A+B+C+D
52PCS INSULATED TOOLS SET
WITH WATER PROOF CASE

V81945
A+B+D+F
45PCS INSULATED TOOLS SET
WITH WATER PROOF CASE



A TRAY **V81946**
6PCS INSULATED PLIERS

7" COMBINATION PLIERS
8" LONG NOSE PLIERS
6" DIAGONAL CUTTING PLIERS
6" STRIPPING PLIERS
10" WATER PUMP PLIERS
6" CABLE CUTTER



B TRAY **V81947**
11PCS SCREWDRIVER, KNIFE AND TESTER

PH0X60, PH1X80, PH2X100, PH3X150mm
2.5x75mm, 3x100mm, 4x100mm,
5.5x125mm, 6.5x150mm,
STRAIGHT KNIFE: 50x180mm
VOLTAGE TESTER: 3.0x70mm



C TRAY **V81948**
21PCS 1/2" SOCKETS AND ACCESSORY

SOCKETS: 10/11/12/13/14/16/
17/18/19/21/22/24/27mm
SOCKET BITS: 4, 5, 6, 8mm
EXTENSION BAR 5" & 10"
T HANDLE: 1/2", 200mm
RATCHET HANDLE: 1/2", 250mm



D TRAY **V81949**
14PCS OPEN ENDED SPANNERS AND ADJUSTABLE WRENCH

OPEN ENDED SPANNERS
8/10/11/12/13/14/15
/16/17/18/19/22/24mm
ADJUSTABLE WRENCH 8" 200mm



E TRAY **V81950**
20PCS 3/8" SOCKETS AND ACCESSORY

SOCKETS : 8/10/11/12/13/14/
16/17/18/19/21/22mm
SOCKET BITS: 4, 5, 6, 8mm
EXTENSION BARS 5" & 10"
T HANDLE: 3/8", 200mm
RATCHET HANDLE: 3/8", 200mm



F TRAY **V81951**
14PCS NUTS AND PRECISION SCREWDRIVERS

NUT: 5/5.5/6/7/8/10/13mm
PRECISION:
3/PH0/T6/T8/T10/T15/T20



G TRAY **V81952**
14PCS RING SPANNERS AND HEX KEYS

RING SPANNERS:
10/11/12/13/14/15/17/19mm
HEX KEY: 3/4/5/6/8/10mm



H TRAY **V81953**
4PCS SPECIAL TOOLS

240MM RATCHET CABLE CUTTER
HACK SAW: 150mm
PLASTIC CLAMPx2:
7/150mm

18PCS INSULATED TOOL SET



Item No.	Content	mm
V83718	Insulated dipped combination pliers	200
	Insulated dipped long nose pliers	160
	Insulated dipped diagonal cutting pliers	160
	Insulated dipped wire stripping pliers	160
	3Pcs insulated slotted screwdrivers	0.4x2.5x75, 0.8x4.0x100, 1.0x5.5x125
	3Pcs insulated phillips screwdrivers	PH0x60, PH1x80, PH2x100
	5Pcs insulated open end spanners	10, 12, 14, 17, 19
	Voltage tester	3.0x70
	Cable knife	50x180
	Insulated adjustable wrench	250

15PCS INJECTION INSULATED TOOL SET



Item No.	Content	mm
V82115	Insulated Combination Plier	200
	Insulated Diagonal Plier	160
	Insulated Snipe Nose SideCutting Plier	200
	Insulated Wire Stripper	160
	Insulated Cable Knife Straight	50x180
	Voltage Tester	3.0x70
	Insulated Screwdriver Slotted	2.5x75, 3.0x100, 4.0x100, 5.5x125, 6.5x150
	Insulated injection combination pliers	PH0x60
	Insulated injection long nose pliers	PH1x80
	Insulated injection diagonal cutting pliers	PH2x100
	Insulated screwdriver Phillips	PH3x150

25PCS INSULATED TOOL SET



Item No.	Content	mm
V83825	Insulated dipped combination pliers	180
	Insulated dipped long nose pliers	160
	Insulated dipped diagonal cutting pliers	160
	2pcs insulated slotted screwdrivers	0.8x4.0x100, 1.0x5.5x125
	2Pcs insulated phillips screwdrivers	PH1x80, PH2x100
	14pcs 1/2" insulated dipped sockets	10, 11, 12, 13, 14, 16, 17, 18, 19, 22, 24, 27, 30, 32
	insulated adjustable wrench	200
	2pcs insulated extension bars	1/2"x125, 1/2"x250
	insulated dipped reversible ratchet	1/2"x250

20PCS INJECTION INSULATED TOOL SET



Item No.	Content	mm
V80320	12 PCS 3/8" Insulated Socket	8, 10, 11, 12, 13, 14, 16, 17, 18, 19, 21, 22
	4PCS 3/8" Insulated Hexagon Bit Sockets	4*75, 5*75, 6*75, 8*75
	2PCS 3/8" Insulated Extension Bar	125, 250
	3/8" Insulated T-handle Wrench	200
	3/8" Insulated Reversible Ratchet	200

29PCS INJECTION INSULATED TOOL SET



Item No.	Content	mm
V80231	13PCS 1/2" Insulated Socket	10, 11, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27
	4PCS 1/2" Insulated Hexagon Bit Sockets	4x120, 5x120, 6x120, 8x120
	2PCS 1/2" Insulated Extension Bar	125, 250
	1/2" Insulated T-handle Wrench	200
	1/2" Insulated Reversible Ratchet	250
	Insulated combination Pliers	180
	Insulated Diagonal Cutting Pliers	160
	Insulated Long Nose Pliers	160
	Insulated Adjustable Wrench	200
	2PCS Insulated Slotted Screwdrivers	4.0x100, 5.5x125
	2PCS Insulated Phillips Screwdrivers	PH1x80, PH2x100

20PCS INJECTION INSULATED TOOL SET



Item No.	Content	mm
V80421	19 PCS Injection Insulated Open Ended Spanners	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 24, 27, 30, 32
	Insulated Adjustable Wrench	250

22PCS INJECTION INSULATED TOOL SET



Item No.	Content	mm
V81022	3/8" Insulated Reversible Ratchet Wrench	200
	3/8" Insulated Extension Bar	125
	3/8" Insulated Socket	8, 10, 12, 13, 14, 17, 19
	Insulated Screwdriver Slotted	3.5X100, 4.0X100, 5.5X125
	Insulated Screwdriver Phillips	PH1X80, PH2X100, PH3X150
	Insulated Open Ended Spanners	8, 10, 12, 13, 14, 17, 19

25PCS INSULATED TOOL SET



Item No.	Content	mm
V80825	Dipped Insulated Combination Pliers	200
	Dipped Insulated Diagonal Cutting Pliers	160
	6PCS Insulated Screwdriver	PH: PH0x60, PH1x80, PH2x100 SL: 0.6X3.5X100, 0.8X4.0X100, 1.0X5.5X125
V80825	Insulated Cable Knife	50x180(Straight)
	Insulated Cable Knife	28x155(Semicircle)
	7PCS 1/2" Dipped Insulated Sockets	10, 11, 12, 13, 14, 17, 19
	7PCS Dipped Insulated Open Ended Spanners	10, 11, 12, 13, 14, 17, 19
	1/2" Dipped Insulated T-Handle	200

20PCS DIPPED INSULATED OPEN ENDED SPANNER SET



Item No.	Content	mm
V80920	Dipped Insulated Open Ended Spanners	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32

21PCS INSULATED TOOL SET



Item No.	Content	mm
V80721	Dipped Insulated Combination Pliers	200
	Dipped Insulated Diagonal Cutting Plier	160
	4PCS Insulated Screwdriver	PH: PH0x60 SL: 0.6x3.5x100, 0.8x4.0x100, 1.0x5.5x125
	Insulated Cable Knife	50x180(Straight)
	7PCS 1/2" Dipped Insulated Sockets	10, 11, 12, 13, 14, 17, 19
	4PCS 1/2" Dipped Insulated Hexagon Bit Sockets	4x120, 5x120, 6x120, 8x120
	2PCS 1/2" Dipped Insulated Extension Bar	125, 250
	1/2" Dipped Insulated Reversible Ratchet	250

11PCS INJECTION INSULATED TOOL SET



Item No.	Content	mm
V80110	5PCS Insulated Screwdriver	PH: PH1, PH2 3.0x100, 4.0x100, 5.5x125
	Insulated Combination Pliers	200
V80110	Insulated long nose pliers	200
	Insulated diagonal Cutting pliers	180
	Insulated cable Cutting pliers	160
	Water pump pliers	250
	Cable knife	180(straight)

11PCS INJECTION INSULATED TOOL SET



Item No.	Content	mm
V80111	6pcs 3/8" Insulated Hexagon Socket With Double-Hex, Long Version:	8, 10, 12, 14, 17, 19
	2pcs Insulated Open Ended Spanners:	10, 12
	3/8" Insulated Extension Bar:	125
	3/8" Insulated Reversible Ratchet Wrench:	200
	Insulated Adjustable Wrench :	250

40PCS INSULATED TOOL SET

NEW



Item No.	Content	mm
V83840	Insulated long nose pliers	200
	Insulated diagonal cutting pliers	180
	3pcs Insulated slotted screwdriver	SL2.5x100 SL4x100 SL5.5x125
	2pcs Insulated phillips screwdriver	PH1x80 PH2x100
	7pcs Insulated open ended spanner	10, 11, 12, 13, 14, 17, 19
	Insulated adjustable wrench	200
	3pcs Insulated ring spanner	14, 17, 19
	4pcs 1/2" Dr. Dipped insulate Hex socket bit	4, 5, 6, 8
	11pcs 1/2" Dr. Dipped insulated socket	10, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32
	1/2" Dr. Dipped insulated reversible ratchet handle	250
	2pcs 1/2" Dipped insulated extension bar	125, 250
	1/2" Dipped insulated T-handle	200
	Voltage tester	30x70
	Insulated cable knife	50x180
	Insulated scissor	160

10PCS 1/2" DIPPED INSULATED SOCKET SET

NEW



Item No.	Content	mm
V82050	1/2" Dipped Insulated T-handle:	155x205
	9pcs 1/2" Dipped Insulated Socket:	10, 11, 12, 13, 14, 16, 17, 18, 19

30PCS INJECTION INSULATED TOOL SET



Item No.	Content	mm
V80130	Insulated Combination Pliers	200
	Insulated long nose pliers	200
	Insulated diagonal Cutting pliers	160
	Insulated Wire Stripper	160
	7PCS Insulated Open Ended Spanners	10, 11, 12, 13, 14, 17, 19
	8PCS 1/2" Insulated Socket	10, 11, 12, 13, 14, 16, 17, 19
	1/2" Insulated Extension Bar	125
	1/2" Insulated Reversible Ratchet	250
	9PCS Insulated Screwdriver	PH: PH1, PH2 H: H5, H6, H8, SL: 2.5x75, 4.0x100, 5.5x125, 6.5x150

9PCS 1/2" DIPPED INSULATED SOCKET SET

NEW



Item No.	Content	mm
V82049	1/2" Dipped Insulated Reversible Ratchet handle:	250
	1/2" Dipped Insulated Extension Bar:	125
	8pcs 1/2" Dipped Insulated Socket:	10, 11, 12, 13, 14, 17, 19

3PCS INSULATED PLIER SET



Item No.	Content	mm
V83103	insulated combination pliers	180
	insulated long nose pliers	160
	insulated diagonal cutting pliers	160

6PCS INSULATED TOOL SET



Item No.	Content	mm
V83306	insulated combination pliers	180
	insulated diagonal cutting pliers	160
	2pcs insulated slotted screwdriver	0.4x2.5x75, 0.8x4.0x100
	insulated phillips screwdriver	PH2x100
	voltage tester	3.0x70

4PCS INSULATED PLIER SET



Item No.	Content	mm
V83204	insulated combination pliers	180
	insulated long nose pliers	200
	insulated diagonal cutting pliers	160
	insulated wire stripping pliers	160

11PCS INSULATED TOOL SET



Item No.	Content	mm
V83411	insulated combination pliers	180
	insulated long nose pliers	200
	insulated diagonal cutting pliers	160
	insulated wire stripping pliers	160
	3pcs insulated slotted screwdriver	0.4x2.5x75, 0.8x4.0x100, 1.0x5.5x125
	2pcs insulated phillips screwdriver	PH1x80, PH2x100
	voltage tester	3.0x70
	cable knife	50x180

14PCS INSULATED HAND TOOL SET



Item No.	Content	mm
	Insulated combination pliers	160
	Insulated diagonal cutting pliers	160
	Insulated long nose pliers	160
	Insulated wire stripping Pliers	160
	Voltage tester	3x70
V80114	4pcs Insulated Slotted screwdrivers	0.6x3.5x100 0.8x4.0x100 1.0x5.5x125 1.2x6.5x150
	3pcs Insulated Phillips screwdrivers	PH1x80 PH2x100 PH0x60
	2pcs Insulated PVC tape	19x10(black) 19x10(red)

6PCS INSULATED OPEN ENDED SPANNER SET



Item No.	Content	mm
V83606		10, 12, 13, 14, 17, 19

7 PCS INJECTION INSULATED TOOL SET



Item No.	Content	mm
	4pcs Insulated screwdriver	PH: PH1x80, PH2x10 0.5x3.0x100, 0.8x4.0x100
V80107	Insulated combination pliers	200
	Insulated long nose pliers	160
	Insulated diagonal Cutting pliers	160

3 PCS INSULATED PLIERS SET



Item No.	Content	mm
V81103	Insulated Injection Combination Pliers	180
	Insulated Injection Long Nose Pliers	200
	Insulated Injection Diagonal Cutting Pliers	160

9 PCS INSULATED SOCKET SET



Item No.	Content	mm
V81409	3/8" Insulated Reversible Ratchet Handle	200
	3/8" Insulated Extension Bar	125
	7pcs 3/8" Insulated Socket	8, 10, 12, 13, 14, 17, 19

5 PCS INSULATED SCREWDRIVER SET



Item No.	Content	mm
V81205	Insulated Screwdriver Slotted	3.5X100, 4.0X100, 5.5X125
	Insulated Screwdriver Phillips	PH1x80, PH2x100

7 PCS INSULATED OPEN ENDED SPANNER SET



Item No.	Content	mm
V81307	Insulated Injection Open Ended Spanners	8, 10, 12, 13, 14, 17, 19

11 PCS INSULATED SOCKET SET



Item No.	Content	mm
V81511	3/8" Insulated T-Handle Wrench	200
	10pcs 3/8" Insulated Socket	8, 10, 11, 12, 13, 14, 16, 17, 18, 19

11 PCS INSULATED SOCKET SET



Item No.	Content	mm
V81611	3/8" Insulated T-Handle Wrench	200
	6pcs 3/8" Insulated Socket	8, 10, 11, 12, 13, 14
	4pcs 3/8" Insulated Hexagon Socket Bit	4x75, 5X75, 6X75, 8X75

5PCS INSULATED COMBINATION RATCHET SET



Item No.	Content	mm
V82005	5pcs Insulated Combination Ratchet Spanner	10, 12, 13, 14, 17

6PCS DIPPED INSULATED HEXAGON KEY L-WRENCH SET

NEW



Item No.	Content	mm
V82006	6pcs Insulated Hexagon Key L-wrench	3, 4, 5, 6, 8, 10

5PCS DIPPED INSULATED RING WRENCH SET

NEW



Item No.	Content	mm
V82015	5pcs Insulated Ring Wrench	10, 12, 13, 14, 17

7PCS DIPPED INSULATED OPEN ENDED SPANNER SET

NEW



Item No.	Content	mm
V82007	7pcs 3/8" Insulated Open Ended Spanner	8, 10, 12, 13, 14, 17, 19

9PCS 3/8" DIPPED INSULATED SOCKET SET

NEW



Item No.	Content	mm
	Insulated Reversible Ratchet Handle	200
V82019	Insulated Extension Bar	125
	7pcs Insulated Socket	8, 10, 12, 13, 14, 17, 19

△ 1000V

INSULATED PLIERS

- Soft wire
- ◐ Medium hard wire
- ◑ Hard wires
- ⊕ Cu+Al multi-conductor cable, strand and multi-stranded



Metal part made in CRV steel

Pearl nickel plated surface

Precision machined body with strictly heat treatment

Manufactured according to IEC60900 standard

**BI-COLOR
INJECTION
GRIP**



INJECTION INSULATED COMBINATION PLIERS

Item No.	mm	◐	◑
V16006	160	2.0	1.6
V16007	180	2.4	2.0
V16008	200	2.5	2.2

INJECTION INSULATED LONG NOSE PLIERS



Item No.	mm	◐	◑
V16096	160	2	1.6
V16098	200	2.4	2

INJECTION INSULATED BENT NOSE PLIERS



Item No.	mm	◐	◑
V16026	160	2	1.6
V16028	200	2.4	2

INJECTION INSULATED DIAGONAL CUTTING PLIERS



Item No.	mm			
V16036	160	2.6	2.4	2

INJECTION INSULATED WIRE STRIPPING PLIERS



Item No.	mm	mm	mm ²
V16066	160	5.0	10.0

INJECTION INSULATED DIAGONAL CUTTING PLIERS



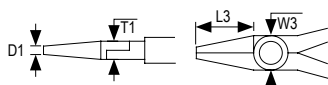
Item No.	mm			
V16037	180	4	2.7	2.2

INJECTION INSULATED WATER PUMP PLIERS



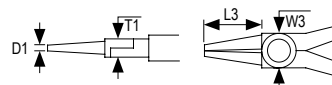
Item No.	mm	mm (Max)
V16070	250	28

INJECTION INSULATED FLAT NOSE PLIERS



Item No.	mm	L3	W3	D1	T1
V16046	160	48	16	6.5	9

INJECTION INSULATED ROUND NOSE PLIERS



Item No.	mm	L3	W3	D1	T1
V16056	160	46	16	2.6	9

INJECTION INSULATED CABLE SHEARS



Item No.	mm	mm ²
V11815	160	22

INJECTION INSULATED CABLE SHEARS



Item No.	mm	mm (Max)	mm ² (Max)
V16082	250	22	150

INJECTION INSULATED CABLE SHEARS

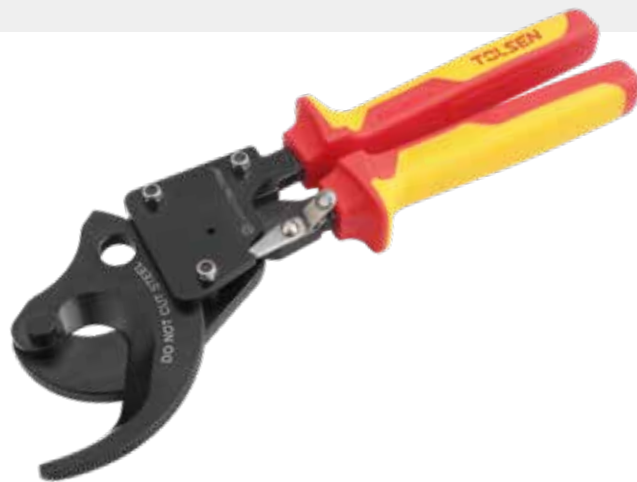


Item No.	mm	mm (Max)	mm ² (Max)
V16080	160	8	16

INJECTION INSULATED RATCHE CABLE CUTTERS PLIERS



For and on multi strand copper and aluminium cable.
Not suitable for steel wire and wire ropes.
Clean and smooth cut without crushing and deformation.
One-hand operation using ratchet principle.
Little handforce required due to very high transmission ratio.



Item No.	mm	mm (Max)
V16086	240	32

INJECTION INSULATED RATCHE CABLE CUTTERS PLIERS

For and on multi strand copper and aluminium cable.
Not suitable for steel wire and wire ropes.
Clean and smooth cut without crushing and deformation.
One-hand operation using ratchet principle.
Little handforce required due to very high transmission ratio.



Item No.	mm	mm (Max)
V12038	380	52

INJECTION INSULATED CABLE CUTTER

For bruise free cutting of copper and aluminium cables.
Clean and smooth cut without crushing and deformation.



Item No.	mm	mm ²
V11961	610	250
V11982	820	500

INJECTION INSULATED BOLT CUTTER

Cutter head made of high quality special steel.
Precision ground, hardened blades.
Clean and smooth cut without crushing and deformation.



Item No.	mm	mm (Max)
V12224	24"	Cu +Al Φ20mm Fe Φ6mm

- Soft wire
- Medium hard wire
- Hard wires
- Cu+Al multi-conductor cable, strand and multi-stranded



Metal part made in CRV steel
 Pearl nickel plated surface
 Precision machined body
 with strictly heat treatment
 Manufactured according to
 IEC60900 standard

**DIPPED
GRIP**



DIPPED INSULATED COMBINATION PLIERS

Item No.	mm	●	●
V10116	160	2	1.6
V10118	180	2.4	2
V10120	200	2.5	2.2

DIPPED INSULATED LONG NOSE PLIERS



Item No.	mm	●	●
V10316	160	2	1.6
V10320	200	2.4	2

DIPPED INSULATED BENT NOSE PLIERS



Item No.	mm	●	●
V10516	160	2	1.6
V10520	200	2.4	2

DIPPED INSULATED DIAGONAL CUTTING PLIERS



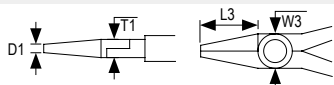
Item No.	mm	●	●	●
V10716	160	2.6	2.4	2

DIPPED INSULATED DIAGONAL CUTTING PLIERS



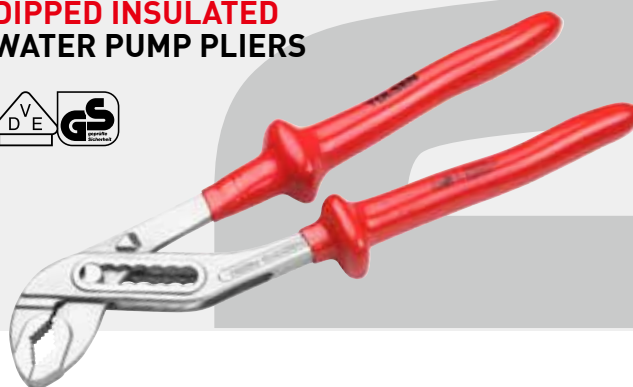
Item No.	mm	●	●	●
V10718	180	4	2.7	2.2

DIPPED INSULATED FLAT NOSE PLIERS



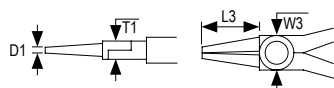
Item No.	mm	L3	W3	D1	T1
V10920	160	48	16	6.5	9

DIPPED INSULATED WATER PUMP PLIERS



Item No.	mm	mm (Max)
V11525	250	28
V11530	300	35

DIPPED INSULATED ROUND NOSE PLIERS



Item No.	mm	L3	W3	D1	T1
V11116	160	46	16	2.6	9

DIPPED INSULATED CABLE SHEARS



Item No.	mm	mm (Max)	mm ² (Max)
V11715	160	8	16

DIPPED INSULATED WIRE STRIPPING PLIERS



Item No.	mm	mm	mm ²
V11316	160	5.0	10.0

DIPPED INSULATED CABLE SHEARS



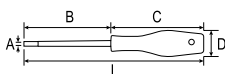
Item No.	mm	mm (Max)	mm ² (Max)
V11725	250	22	150

1000V

INSULATED SCREWDRIVERS



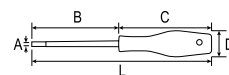
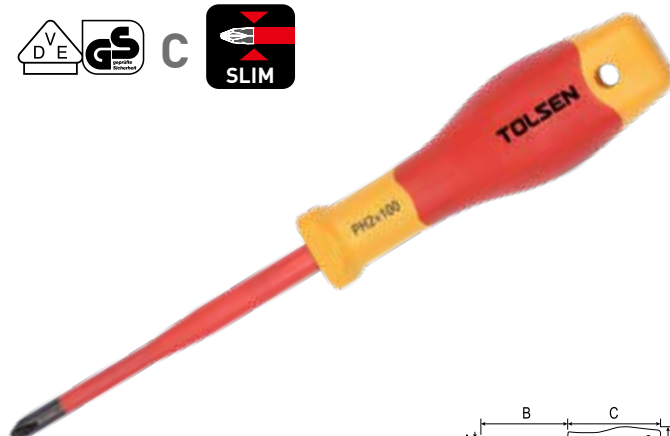
Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC. 3-component ergonomic handle design enables precise and fatigue-free working. S2-Chrome vanadium molybdenum steel.



INSULATED SCREWDRIVER WITH SLIM BLADE FOR SLOTTED SCREWS

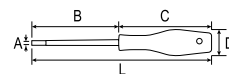
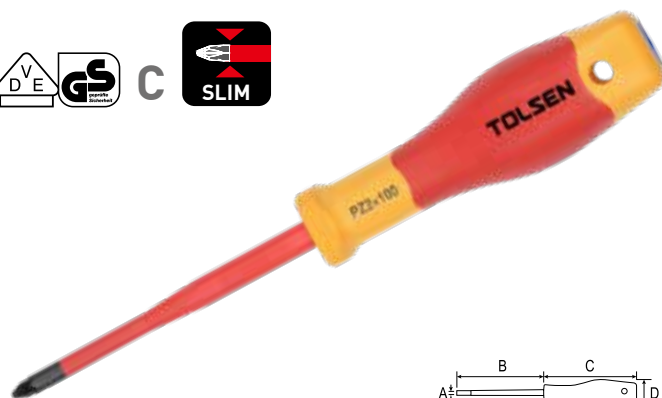
Item No.	1	2	A	B	CxD	L
V30305	0.5	3.0	3.0	100	95x25	195
V30306	0.6	3.5	3.5	100	95x25	195
V30308	0.8	4.0	4.0	100	105x30	205
V30310	1.0	5.5	5.5	125	115x35	240
V30312	1.2	6.5	6.5	150	115x35	265

INSULATED SCREWDRIVER WITH SLIM BLADE FOR PHILLIPS SCREWS



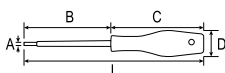
Item No.	+	A	B	CxD	L
V30501	PH1	5	80	105X30	185
V30502	PH2	6	100	115X35	215
V30503	PH3	8	150	118X41	268

INSULATED SCREWDRIVER WITH SLIM BLADE FOR POZIDRIV SCREWS



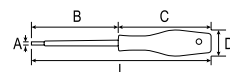
Item No.	*	A	B	CxD	L
V30701	PZ1	5	80	105X30	185
V30702	PZ2	6	100	115X35	215
V30703	PZ3	8	150	118X41	268

VDE SLOTTED SCREWDRIVER



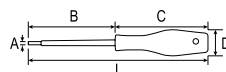
Item No.	Tip	Shaft	A	B	CxD	L
V30204	0.4	2.5	2.5	75	95x25	170
V30205	0.5	3	3	100	95x25	195
V30206	0.6	3.5	3.5	100	95x25	195
V30208	0.8	4	4	100	105x30	205
V30209	1	5	5	150	105x30	255
V30210	1	5.5	5.5	125	115x35	240
V30211	1.2	6	6	175	115x35	290
V30212	1.2	6.5	6.5	150	115x35	265
V30213	1.6	7	7	150	118x41	268
V30214	1.6	8	8	150	118x41	268

VDE POZI SCREWDRIVER



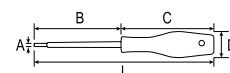
Item No.	Tip	A	B	CxD	L
V30600	PZ0	3	60	95X25	155
V30601	PZ1	5	80	105X30	185
V30602	PZ2	6	100	115X35	215
V30603	PZ3	8	150	118X41	268

VDE PHILLIPS SCREWDRIVER



Item No.	Tip	A	B	CxD	L
V30400	PH0	3	60	95X25	155
V30401	PH1	5	80	105X30	185
V30405	PH1	5	150	105x30	255
V30402	PH2	6	100	115X35	215
V30406	PH2	6	175	115x35	290
V30403	PH3	8	150	118X41	268

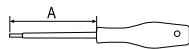
VDE HEX SCREWDRIVER



Item No.	Tip	A	B	CxD	L
V31025	H2.5	2.5	75	95X25	170
V31003	H3	3	75	95X25	170
V31004	H4	4	75	105X30	180
V31005	H5	5	75	105X30	180
V31006	H6	6	100	115X35	215
V31008	H8	8	100	118X41	218

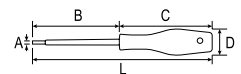
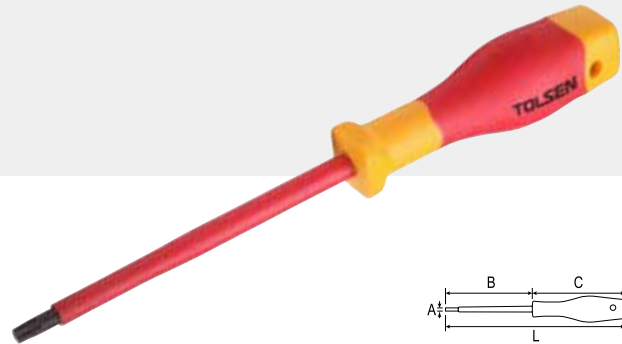
INSULATED ADAPTER FOR 1/4" SOCKET

For use with 1/4" Sockets.
Chrome Vanadium steel.



Item No.		A
V33414	1/4"	75

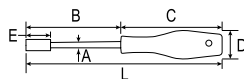
VDE TORX SCREWDRIVER



Item No.		A	B	CxD	L
V30806	T6	2.5	70	95x25	165
V30807	T7	2.5	70	95x25	165
V30808	T8	2.5	70	95x25	165
V30809	T9	3	70	95x25	165
V30810	T10	3	70	95x25	165
V30815	T15	4	80	105x30	185
V30820	T20	4	100	105x30	205
V30825	T25	5	125	115x35	240
V30827	T27	5.5	125	115x35	240
V30830	T30	6	130	115x35	245
V30840	T40	8	175	118x41	293
V30845	T45	8	175	118x41	293

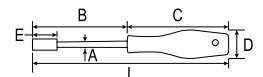
1/4" VDE BITS HOLDER

With magnetic
bits holder



Item No.		A	B	E	CxD	L
V33614	1/4"	10	100	40	105x30	207

VDE NUT SCREWDRIVER

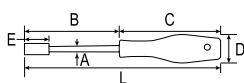


Item No.		A	B	E	CxD	L
V31204	4	7.2	125	31	105x30	230
V31205	5	7.2	125	31	105x30	230
V31255	5.5	7.2	125	31	105x30	230
V31206	6	7.2	125	31	105x30	230
V31207	7	7.2	125	31	105x30	230
V31208	8	7.2	125	31	105x30	230
V31209	9	7.2	125	31	105x30	230
V31210	10	7.2	125	31	105x30	230
V31211	11	8.1	125	31	118x41	243
V31212	12	8.1	125	31	118x41	243
V31213	13	8.1	125	31	118x41	243
V31214	14	8.1	125	31	118x41	243

2 IN 1 BITS HOLDER

With magnetic
1/4" bits holder

With function of
voltage tester
100-500v



Item No.	⌀	A	B	E	CxD	L
V33814	1/4"	10	105	40	110x30	210

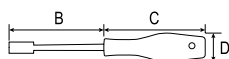
INSULATED FLEXIBLE MAGNETIC BAR

Flexible shaft for removing
metal part from electric devices.

Manufactured acc. to EN/IEC
60900. Each tool individually
tested at 10,000 V AC.

3-component ergonomic handle
design enables precise and
fatigue-free working.

NEW



Item No.	B	CxD	⚡
V61331	310	95x25	100g
V61334	400	105x30	500g

INSULATED WIRE HARNESS CLAMP

Use to clamp wire harnesses.

Manufactured acc. to EN/IEC
60900. Each tool individually
tested at 10,000 V AC.

3-component ergonomic handle
design enables precise and
fatigue-free working.

NEW



Item No.	B	CxD
V61340	100	105x30

INSULATED T-HANDLE HEX WRENCH

Manufactured acc. to EN/IEC
60900. Each tool individually
tested at 10,000 V AC and
approved for
1,000 V AC.

3-component ergonomic
handle design enables
precise and fatigue-free
working.

S2-Chrome vanadium
molybdenum steel.

NEW



Item No.	⌀	A	H	L
V40812	2.5	5	80x26	150
V40813	3	5.5	80x26	150
V40814	4	7	80x26	150
V40815	5	8	100x34	150
V40816	6	9	100x34	150
V40818	8	11	115x40	150

INSULATED T-HANDLE TX WRENCH

NEW

Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.

3-component ergonomic handle design enables precise and fatigue-free working.

S2-Chrome vanadium molybdenum steel.



Item No.		A	H	L
V40830	T10		80x26	150
V40831	T15		80x26	150
V40832	T20		80x26	150
V40833	T25		100x34	150
V40834	T27		100x34	150
V40835	T30		100x34	150
V40836	T40		115x40	150
V40837	T45		115x40	150
V40838	T50		115x40	150

INSULATED T-HANDLE TAMPEX TX WRENCH

NEW

Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.

3-component ergonomic handle design enables precise and fatigue-free working.

S2-Chrome vanadium molybdenum steel.



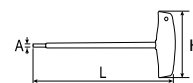
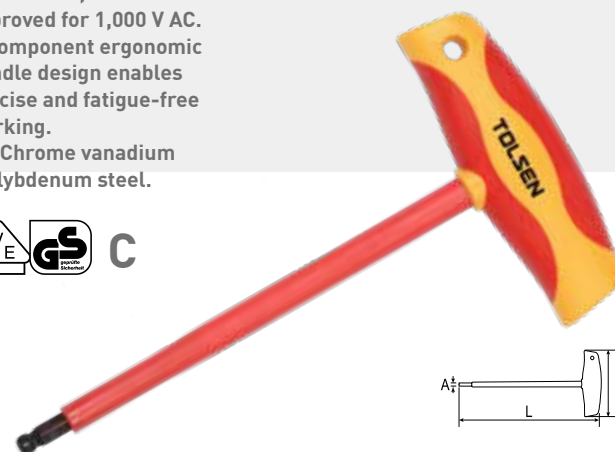
Item No.		A	H	L
V40840	TT10		80x26	150
V40841	TT15		80x26	150
V40842	TT20		80x26	150
V40843	TT25		100x34	150
V40844	TT27		100x34	150
V40845	TT30		100x34	150
V40846	TT40		115x40	150
V40847	TT45		115x40	150
V40848	TT50		115x40	150

INSULATED SCREWDRIVER FOR HEXAGON SOCKET SCREWS WITH T-HANDLE

Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.

3-component ergonomic handle design enables precise and fatigue-free working.

S2-Chrome vanadium molybdenum steel.

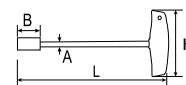


Item No.		A	H	L
V40825	2.5	5	80x26	150
V40803	3	5.5	80x26	150
V40804	4	7	80x26	150
V40805	5	8	100x34	150
V40806	6	9	100x34	150
V40808	8	11	115x40	150

INSULATED NUT DRIVER WITH T-HANDLE

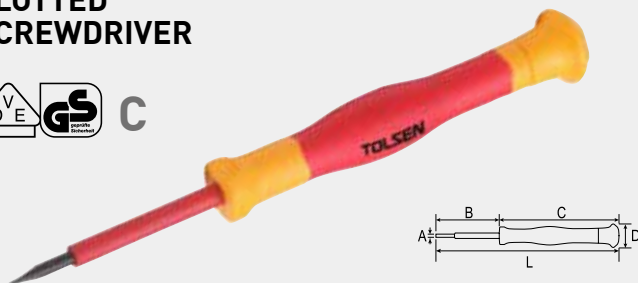
Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.

3-component ergonomic handle design enables precise and fatigue-free working.



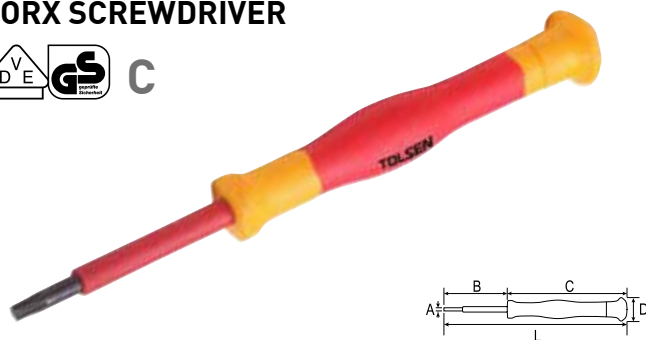
Item No.		A	B	H	L
V31904	4	7.1	25	100x34	130
V31905	5	7.1	25	100x34	130
V31955	5.5	7.1	25	100x34	130
V31906	6	7.1	25	100x34	130
V31907	7	7.1	25	100x34	130
V31908	8	7.1	25	100x34	130
V31909	9	7.1	25	100x34	130
V31910	10	7.1	25	100x34	130
V31911	11	8.1	25	100x34	130
V31912	12	8.1	25	100x34	130
V31913	13	8.1	25	100x34	130
V31914	14	8.1	25	100x34	130

VDE PRECISION SLOTTED SCREWDRIVER



Item No.	Tip	Shaft	A	B	CxD	L
V31415	0.23	1.5	1.5	50	95x18	145
V31418	0.3	1.8	2	50	95x18	145
V31420	0.4	2	2	50	95x18	145
V31425	0.4	2.5	2.5	50	95x18	145
V31430	0.5	3	3	50	95x18	145

VDE PRECISION TORX SCREWDRIVER



Item No.	Tip	A	B	CxD	L
V31806	T6	2.5	50	95x18	145
V31808	T8	2.5	50	95x18	145
V31810	T10	3	50	95x18	145
V31815	T15	4	50	95x18	145
V31820	T20	4	50	95x18	145

VDE PRECISION PHILLIPS SCREWDRIVER



Item No.	Tip	A	B	CxD	L
V31600	PH00	2.5	50	95x18	145
V31601	PH0	3	50	95x18	145
V31602	PH1	3	50	95x18	145

7PCS INSULATED PRECISION SCREWDRIVER SET



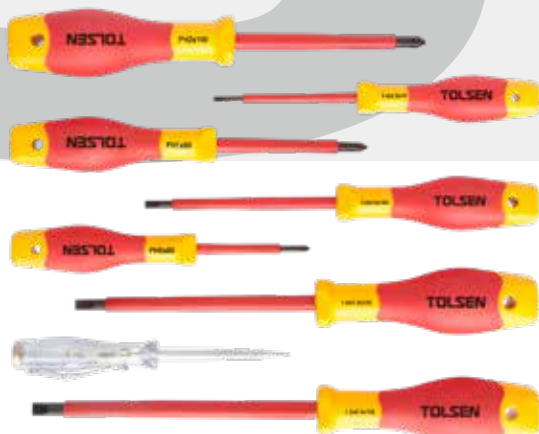
Item No.	Content
V32207	Slotted: 0.5x3.0x50 Phillips: PH0x50 TX: T6x50 T8x50 T10x50 T15x50 T20x50

7PCS INSULATED PRECISION SCREWDRIVER SET



Item No.	Content
V32007	Slotted: 0.23x1.5x50 0.3x1.8x50 0.4x2.0x50 0.4x2.5x50 0.5x3.0x50 Phillips: PH00x50 PH0x50

8PCS INSULATED SCREWDRIVER SET



Item No.	Content
V32408	Slotted: 0.4x2.5x75, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150 Phillips: PH0x60, PH1x80, PH2x100 Voltage Tester: 3.0x70

6PCS INSULATED SCREWDRIVER SET



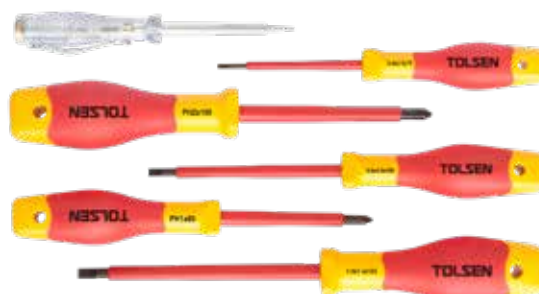
Item No.	Content
V33006	Nut: 5.5x125 6.0x125 8.0x125 10.0x125 11.0x125 12.0x125

7PCS INSULATED SCREWDRIVER SET



Item No.	Content
V32607	Slotted: 0.5x3.0x100, 0.8x4.0x100, 1.0x5.5x125, 1.2x6.5x150 Phillips: PH1x80, PH2x100 Voltage Tester: 3.0x70

6PCS INSULATED SCREWDRIVER SET



Item No.	Content
V33506	Slotted: 0.4x2.5x75, 0.8x4.0x100, 1.0x5.5x125 Phillips: PH1x80, PH2x100 Voltage Tester: 3.0x70

50PCS INSULATED CHANGABLE SCREWDRIVER SET



12PCS INSULATED CHANGABLE SCREWDRIVER SET



Item No.	Content
V33450	0.4x2.0x100 0.4x2.5x100 0.5x3.0x100 0.6x3.5x100
	0.8x4.0x100 1.0x5.5x100 1.2x6.5x100
	PH0x100 PH1x100 PH2x100
	PZ0x100 PZ1x100 PZ2x100
	T6x100 T8x100 T9x100 T10x100 T15x100 T20x100
	T25x100 T27x100 T30x100
	H2.5x100 H3.0x100 H4.0x100 H5.0x100 H6.0x100
	R1x100 R2x100
	TRI 1x100 TRI 2x100 TRI 3x100 TRI 4x100
	TORO 4x100 TORO 6x100 TORO 8x100 TORO 10x100
	M4x4.0x100 M5x5.0x100 M6x5.0x100
	4x100 6x100 8x100 10x100
	6.3x89 8.1x89
	89
	89
	Voltage Tester: 3.0x70
	Handle: 31x105

Item No.	Content
V33212	Slotted: 0.4x2.0x100 0.4x2.5x100 0.5x3.0x100
	0.6x3.5x100 0.8x4.0x100 1.0x5.5x100 1.2x6.5x100
	Phillips: PH0x100 PH1x100 PH2x100
	Voltage Tester: 3.0x70
	Handle: 31x105

1000V

INSULATED WRENCHES & SOCKETS

Metal part made in crv steel

Chrome plated surface

Well heat treated to meet DIN standard

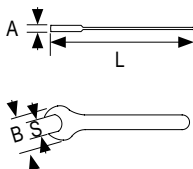
Manufactured according to

IEC60900 standard

DIPPED INSULATED OPEN ENDED SPANNER



MULTILAYER DIPPED



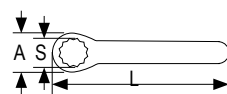
Multilayer dipped Item No.	S	A	B	L
V40106	6	7.5	18	90
V40107	7	7.5	20	90
V40108	8	8	22	100
V40109	9	9	24	100
V40110	10	9	26	105
V40111	11	9.5	29	110
V40112	12	10	32	125
V40113	13	10	33	135
V40114	14	11	35	140
V40115	15	11	38	150
V40116	16	12	40	160
V40117	17	12	42	160
V40118	18	12	44	165
V40119	19	13	45	170
V40120	20	12	45	185
V40121	21	14	48	188
V40122	22	14	52	200
V40124	24	15	55	225
V40127	27	16	62	255
V40130	30	16	62	295
V40132	32	17	70	315

DIPPED INSULATED COMBINATION RATCHET SPANNER

72 teeth



MULTILAYER DIPPED

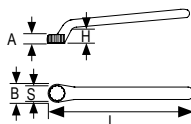


Multilayer dipped Item No.	S	A	L
V42706	6	24	110
V42707	7	25	115
V42708	8	26.5	120
V42709	9	27.5	125
V42710	10	29.5	135
V42711	11	32	140
V42712	12	34.5	145
V42713	13	34.5	155
V42714	14	37.5	160
V42715	15	38	165
V42716	16	38.5	170
V42717	17	38	180
V42718	18	39	190
V42719	19	40	200
V42722	22	47	230
V42724	24	52.5	260

DIPPED INSULATED RING SPANNER



**MULTILAYER
DIPPED**



Multilayer dipped Item No.	S	A	B	L
V40306	6	8	17	140
V40307	7	10.5	17	150
V40308	8	12	19	155
V40309	9	12	20.5	160
V40310	10	12	20.5	165
V40311	11	12	23	175
V40312	12	12	24	185
V40313	13	13	26	190
V40314	14	13	27	200
V40315	15	13	29	205
V40316	16	14	30	205
V40317	17	14.5	32	210
V40318	18	14.5	33	220
V40319	19	14.5	35	230
V40320	20	16	36	228
V40321	21	16	38	240
V40322	22	16	40	250
V40324	24	16	42	270
V40327	27	16.5	46.5	285
V40330	30	17	50	310
V40332	32	18	52	310

DIPPED INSULATED GEAR SOCKET WRENCH

GEAR REVERSIBLE
TWO SIZES IN ONE



**MULTILAYER
DIPPED**

Multilayer dipped Item No.	Size / mm
V42501	13 X 17
V42502	17 X 19
V42519	19 X 24

DIPPED INSULATED ADJUSTABLE WRENCH

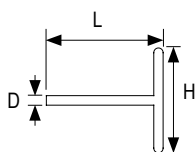
PRECISION MACHINED BODY
WITH STRICTLY HEAT TREATMENT




**MULTILAYER
DIPPED**

Multilayer dipped Item No.	mm	S (Max)
V40520	200	30
V40525	250	36
V40530	300	40
V40538	380	46

DIPPED INSULATED SOCKET WRENCH




Item No.		D	L	H
V40908	8	15	200	145
V40910	10	19	200	145
V40912	12	22.5	200	145
V40913	13	23.5	200	145
V40914	14	24.5	200	145
V40916	16	26.5	200	145
V40917	17	28.5	200	145
V40918	18	30.5	200	145
V40919	19	31.5	200	145
V40920	10	19.5	300	145
V40922	12	22	300	145
V40923	13	23.5	300	145
V40924	14	24.5	300	145
V40926	16	27	300	145
V40927	17	28.5	300	145
V40928	18	29.5	300	145
V40929	19	31	300	145

DIPPED INSULATED WRENCH FOR TORX SCREWS

MULTILAYER
DIPPED




Item No.		mm
V42530	T10	130
V42531	T15	140
V42532	T20	140
V42533	T25	160
V42534	T27	160
V42535	T30	180
V42536	T40	200
V42537	T45	200
V42538	T50	210
V42539	T55	235

DIPPED INSULATED HEXAGON KEY L-WRENCH

FOR HEXAGON SCREWS

MULTILAYER
DIPPED



Item No.		mm
V42503	3	130
V42504	4	140
V42505	5	160
V42506	6	180
V42508	8	210
V42510	10	240
V42512	12	250

DIPPED INSULATED 1/2" DR. L-HANDLE

FOR HEXAGON SCREWS

MULTILAYER
DIPPED



Item No.		mm
V42912	1/2"	250

DIPPED INSULATED T-HANDLE



MULTILAYER DIPPED



Multilayer dipped Item No.	<input type="checkbox"/>	H	L
V41112	1/2"	155	205
V41138	3/8"	155	205

DIPPED INSULATED REVERSIBLE RATCHET HANDLE 1/2" 3/8"



MULTILAYER DIPPED



Multilayer dipped Item No.	<input type="checkbox"/>	mm
V42112	1/2"	250
V42138	3/8"	200

DIPPED INSULATED EXTENSION BAR 1/2" 3/8" 1/4"

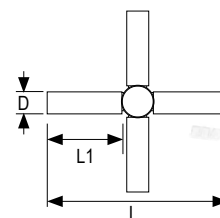


MULTILAYER DIPPED



Multilayer dipped Item No.	<input type="checkbox"/>	mm
V42301	1/2"	125
V42302	1/2"	250
V42303	3/8"	125
V42304	3/8"	250
V42305	1/4"	75
V42306	1/4"	150

DIPPED INSULATED CROSS RIM WRENCH



MULTILAYER DIPPED

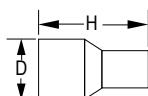


Multilayer dipped Item No.	<input type="checkbox"/>	D	L1	L
V42904		13	24.3	94
		14	27.3	94
		17	29.4	94
		19	31	94

DIPPED INSULATED SOCKET 1/2"



MULTILAYER DIPPED

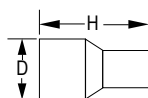


Multilayer dipped Item No.		D	H
V41310	10	19.7	54
V41311	11	21.0	54
V41312	12	22.1	54
V41313	13	23.3	54
V41314	14	24.7	54
V41316	16	27.4	54
V41317	17	28.1	54
V41318	18	29.7	54
V41319	19	30.0	54
V41321	21	32.0	54
V41322	22	34.0	58
V41324	24	36.3	54
V41327	27	41.0	58
V41330	30	44.1	59
V41332	32	46.1	59

DIPPED INSULATED DEEP SOCKET 1/2"



MULTILAYER DIPPED




Multilayer dipped Item No.		D	H
V41340	8	18	94
V41341	9	19	94
V41342	10	21	94
V41343	11	22	94
V41344	12	23	94
V41345	13	24	94
V41346	14	26	94
V41347	15	27	94
V41348	16	27	94
V41349	17	29	94
V41350	18	30.5	94
V41351	19	31	94
V41352	20	33	94
V41353	21	33	94
V41354	22	35	94
V41355	23	37	94
V41356	24	37	94
V41359	27	41	94
V41362	30	45	94
V41364	32	47	94

DIPPED INSULATED HEXAGONAL BIT SOCKET 1/2"



MULTILAYER DIPPED




Multilayer dipped Item No.		mm
V41704	4	120
V41705	5	120
V41706	6	120
V41708	8	120
V41710	10	120

DIPPED INSULATED BIT SOCKET FOR TORX SCREWS 1/2"



MULTILAYER DIPPED

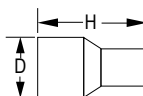



Multilayer dipped Item No.		mm
V41731	T10	120
V41732	T15	120
V41733	T20	120
V41734	T25	120
V41735	T27	120
V41736	T30	120
V41737	T40	120
V41738	T45	120
V41739	T50	120
V41740	T55	120

DIPPED INSULATED SOCKET 3/8"



MULTILAYER DIPPED

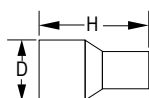


Multilayer dipped Item No.		D	H
V41508	8	16.3	44
V41510	10	18.9	44
V41511	11	20.1	44
V41512	12	23.0	44
V41513	13	23.1	44
V41514	14	23.9	44
V41516	16	26.3	44
V41517	17	27.7	44
V41518	18	29.0	46
V41519	19	30.3	46
V41521	21	32.0	46
V41522	22	34.0	46

DIPPED INSULATED DEEP SOCKET 3/8"



MULTILAYER DIPPED



Multilayer dipped Item No.		D	H
V41525	8	16.3	80
V41526	9	18.9	80
V41527	10	20.1	80
V41528	11	23.0	80
V41529	12	23.1	80
V41530	13	23.9	80
V41531	14	26.3	80
V41532	15	27.7	80
V41533	16	29.0	80
V41534	17	30.3	80
V41535	18	32.0	80
V41536	19	34.0	80

DIPPED INSULATED HEXAGONAL BIT SOCKET 3/8"



MULTILAYER DIPPED

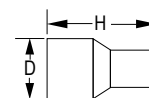


Multilayer dipped Item No.		mm
V41904	4	75
V41905	5	75
V41906	6	75
V41908	8	75

DIPPED INSULATED SOCKET 1/4"



MULTILAYER DIPPED




Multilayer dipped Item No.		D	H
V41570	4	9.8	42
V41571	5	11.2	42
V41572	5.5	11.7	42
V41573	6	12.2	42
V41574	7	14	42
V41575	8	15	42
V41576	9	16	42
V41577	10	17.5	42
V41578	11	19	42
V41579	12	19.5	42
V41580	13	20.8	42
V41581	14	22.8	42

DIPPED INSULATED BIT SOCKET FOR HEXAGON SCREWS 1/4"



**MULTILAYER
DIPPED**



Multilayer dipped Item No.		mm
V41961	3	66
V41962	4	66
V41963	5	66
V41964	6	66
V41965	8	66

DIPPED INSULATED BIT SOCKET FOR TORX SCREWS 1/4"



**MULTILAYER
DIPPED**

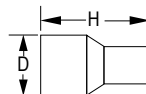



Multilayer dipped Item No.	Dipped Item No.		mm
V41966	V41966S	T10	66
V41967	V41967S	T15	66
V41968	V41968S	T20	66
V41969	V41969S	T25	66
V41970	V41970S	T27	66
V41971	V41971S	T30	66
V41972	V41972S	T40	66

DIPPED INSULATED HEXAGON SOCKET, LONG VERSION 1/4"

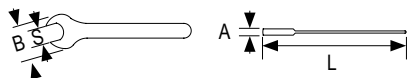


**MULTILAYER
DIPPED**



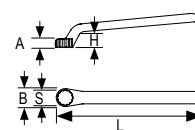
Multilayer dipped Item No.		D	H
V41582	4	12	67
V41583	5	13	67
V41584	6	14	67
V41585	7	16	67
V41586	8	18	67
V41587	9	18	67
V41588	10	19	67
V41589	11	21	67
V41590	12	22	67
V41591	13	23	67

INJECTION INSULATED OPEN ENDED SPANNER



Item No.	S	A	B	L
V40206	6	7	22	90
V40207	7	7	24	90
V40208	8	7.5	25.5	100
V40209	9	7.5	27.5	100
V40210	10	8	29	110
V40211	11	8.5	31	110
V40212	12	8.5	33	130
V40213	13	10.5	34	135
V40214	14	10.5	37	145
V40215	15	11.5	40	150
V40216	16	11.5	42	160
V40217	17	12	44	160
V40218	18	12	44.5	175
V40219	19	12.5	48	175
V40221	21	12.5	51	195
V40222	22	13	54	195
V40224	24	13.5	56	225
V40227	27	14.5	61	250
V40230	30	14.8	66	290
V40232	32	15.8	70	310

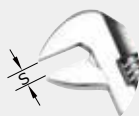
INJECTION INSULATED RING SPANNER



Item No.	S	A	B	L
V40406	6	7	16	150
V40407	7	7	17	150
V40408	8	7.5	18	155
V40409	9	8.5	19	155
V40410	10	8.5	21	165
V40411	11	8.5	22.5	170
V40412	12	9.5	22.5	185
V40413	13	10	26	190
V40414	14	11	26	205
V40415	15	11	27	205
V40416	16	12	30	215
V40417	17	12	30.5	215
V40418	18	13	32	230
V40419	19	13	33.5	230
V40421	21	14	37.5	245
V40422	22	14	37.5	245
V40424	24	16	39	265
V40427	27	16	44	285
V40430	30	16.5	48	300
V40432	32	17.5	51	305

INJECTION INSULATED ADJUSTABLE WRENCH

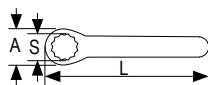
PRECISION MACHINED BODY
WITH STRICTLY HEAT TREATMENT



Item No.	mm	S (Max)
V40616	160	19
V40620	200	30
V40625	250	36
V40630	300	40

INJECTION INSULATED RATCHET RING SPANNER

72 teeth



Item No.	S	A	L
V42807	7	22	120
V42808	8	22	120
V42809	9	24	125
V42810	10	26	135
V42811	11	28	140
V42812	12	29	145
V42813	13	31	150
V42814	14	33	160
V42815	15	34	165
V42816	16	36	170
V42817	17	38	180
V42818	18	39	190
V42819	19	40	200
V42822	22	47	230
V42824	24	52.5	260

INSULATED BLOCKING RING SPANNER

NEW

Used for nut blocking in specific
narrow environments and angles.
Ergonomically shaped 2-component
handles, comfort grip.
Handle Angle 100.



Item No.	S	L
V40440	10	115
V40441	12	115
V40442	13	115
V40443	14	115
V40444	15	130
V40445	16	130
V40446	17	130
V40447	18	130
V40448	19	130
V40449	22	155
V40450	24	155

INSULATED BLOCKING RING SPANNER LONG VERSION


NEW



Item No.	S	L
V40460	10	150
V40461	12	150
V40462	13	150
V40463	14	150
V40466	17	150
V40468	19	150
V40469	22	150
V40470	24	150

INJECTION INSULATED L WRENCH FOR TORX SCREWS




Item No.		mm
V42620	T10	130
V42621	T15	140
V42622	T20	140
V42623	T25	160
V42624	T27	160
V42625	T30	180
V42626	T40	200
V42627	T45	200
V42628	T50	210
V42629	T55	235

INJECTION INSULATED HEXAGON KEY L-WRENCH


FOR HEXAGON SCREWS



Item No.		mm
V42603	3	130
V42604	4	140
V42605	5	160
V42606	6	180
V42608	8	200
V42610	10	235
V42612	12	250

INJECTION INSULATED T-HANDLE



Item No.		H	L
V41212	1/2"	160	205
V41238	3/8"	160	205

INJECTION INSULATED TORQUE WRENCH



1. Ratchet Head: Chromium-vanadium alloy steel brings better strength and life cycle.
2. 90 Teeth Ratchet.
3. Accuracy of torque $\pm 4\%$; quality meets DIN ISO 6789.
4. Each piece stamping ID number for traceability.



Unique quick precision adjustment hole design eliminates the need to damage the insulating layer of the product.



Window Display: Easy readable scale below a window



Item No.	<input type="checkbox"/>	N.m
V43001	1/4"DR	1-5
V43002	1/4"DR	2-10
V43003	1/4"DR	5-25
V43011	3/8"DR	1-5
V43012	3/8"DR	2-10
V43013	3/8"DR	5-25
V43015	3/8"DR	10-50
V43017	3/8"DR	20-100
V43022	1/2"DR	10-50
V43023	1/2"DR	20-100
V43024	1/2"DR	40-200

INSULATED ELECTRONIC TORQUE WRENCH

Manufactured acc. to DIN EN 6789; EN/IEC 60900.

Each Wrench individually tested at 10,000 V AC and approved for 1,000 V AC.

Units of Measure: N·m, in·lb, ft·lb, kgm.

Two measuring methods: Track, Peak hold.

Convenient and accurate calibration method.

All these models are suitable for clockwise and anticlockwise tightening.

Display Deviation Value: Clockwise $\pm 3\%$, anticlockwise $\pm 3\%$.

Evaluation of tightening operation by means of lights flashing and buzzer

Preset Torque Value.

Supplied with Double A Size Battery, increase the working efficiency without charging.

Automatic shutdown without operation for three minutes to save power.

NEW



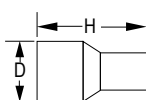
Item No.	<input type="checkbox"/>	N.m
V43018	3/8"	5-100
V43025	1/2"	5-100

INJECTION INSULATED REVERSIBLE RATCHET WRENCH 3/8"



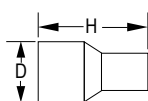
Item No.		mm
V42212	1/2"	250
V42238	3/8"	200
V42214	1/4"	145

INJECTION INSULATED HEXAGON SOCKET LONG VERSION 1/2"



Item No.		D	H
V41470	10	21	94
V41472	12	23	94
V41473	13	24	94
V41474	14	26	94
V41477	17	29	94
V41479	19	31	94

INJECTION INSULATED HEXAGON SOCKET 1/2"



Item No.		D	H
V41408	8	18	55
V41409	9	19	55
V41410	10	21	55
V41411	11	22	55
V41412	12	23	55
V41413	13	24	55
V41414	14	26	55
V41415	15	27	55
V41416	16	27	55
V41417	17	29	55
V41418	18	30.5	55
V41419	19	31	55
V41420	20	33	55
V41421	21	33	55
V41422	22	35	55
V41424	24	37	55
V41427	27	41	59
V41430	30	45	59
V41432	32	47	59

INJECTION INSULATED BIT SOCKET FOR HEXAGON SCREWS 1/2"



Item No.		mm
V41804	4	120
V41805	5	120
V41806	6	120
V41808	8	120
V41810	10	120

INJECTION INSULATED BIT SOCKET FOR TORX SCREWS, 1/2"



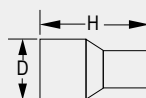
Item No.		mm
V41821	T10	120
V41822	T15	120
V41823	T20	120
V41824	T25	120
V41825	T27	120
V41826	T30	120
V41827	T40	120
V41828	T45	120
V41829	T50	120
V41830	T55	120

INJECTION INSULATED EXTENSION BAR 1/2"



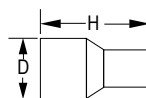
Item No.		mm
V42400	1/2"	75
V42401	1/2"	125
V42402	1/2"	250

INJECTION INSULATED HEXAGON SOCKET 3/8"



Item No.		D	H
V41606	6	14.5	45
V41607	7	16	45
V41608	8	17	45
V41609	9	18	45
V41610	10	20	45
V41611	11	21	45
V41612	12	23	45
V41613	13	23.5	45
V41614	14	25	45
V41615	15	26	45
V41616	16	27	45
V41617	17	28.5	45
V41618	18	30	45
V41619	19	31	47
V41620	20	33	47
V41621	21	33	47
V41622	22	35	47

INJECTION INSULATED HEXAGON SOCKET LONG VERSION 3/8"



Item No.		D	H
V41638	8	17	80
V41640	10	20	80
V41642	12	22	80
V41644	14	25	80
V41645	15	26	80
V41647	17	28.5	80
V41649	19	31	80
V41652	22	35	80

INJECTION INSULATED BIT SOCKET FOR HEXAGON SCREWS 3/8"



Item No.	Hexagon	mm
V42004	4	75
V42005	5	75
V42006	6	75
V42008	8	75
V42010	10	75

INJECTION INSULATED BIT SOCKET FOR TORX SCREWS 3/8"



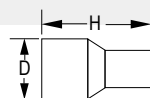
Item No.	Torx	mm
V42041	T10	75
V42042	T15	75
V42043	T20	75
V42044	T25	75
V42045	T27	75
V42046	T30	75
V42047	T40	75
V42048	T45	75
V42049	T50	75
V42050	T55	75

INJECTION INSULATED EXTENSION BAR 3/8"



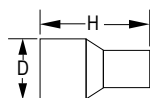
Item No.	Extension Bar	mm
V42408	3/8"	75
V42403	3/8"	125
V42404	3/8"	250

INJECTION INSULATED HEXAGON SOCKET 1/4"



Item No.	Hexagon	D	H
V41004	4	12	42
V41005	5	13	42
V41055	5.5	13.5	42
V41006	6	14	42
V41007	7	16	42
V41008	8	18	42
V41009	9	18	42
V41010	10	19	42
V41011	11	21	42
V41012	12	21.5	42
V41013	13	23	42
V41014	14	24.5	42

INJECTION INSULATED HEXAGON SOCKET, LONG VERSION 1/4"



Item No.	Hexagon	D	H
V41024	4	12	67
V41025	5	13	67
V41026	6	14	67
V41027	7	16	67
V41028	8	18	67
V41029	9	18	67
V41030	10	19	67
V41031	11	21	67
V41032	12	22	67
V41033	13	23	67

INSULATED SPRING-LOADED MAGNETIC SOCKETS, LONG VERSION

NEW



Item No.	□	⬡	mm
V41034	1/4"	4	67
V41035	1/4"	5	67
V41036	1/4"	6	67
V41037	1/4"	7	67
V41038	1/4"	8	67
V41039	1/4"	9	67
V41040	1/4"	10	67
V41041	1/4"	11	67
V41042	1/4"	12	67
V41043	1/4"	13	67
V41048	3/8"	8	80
V41050	3/8"	10	80
V41052	3/8"	12	80
V41054	3/8"	14	80
V41056	3/8"	15	80
V41057	3/8"	17	80
V41059	3/8"	19	80
V41062	3/8"	22	80
V41070	1/2"	10	94
V41072	1/2"	12	94
V41073	1/2"	13	94
V41074	1/2"	14	94
V41077	1/2"	17	94
V41079	1/2"	19	94

INJECTION INSULATED BIT SOCKET FOR HEXAGON SCREWS 1/4"



Item No.	⬡	mm
V42061	3	66
V42062	4	66
V42063	5	66
V42064	6	66
V42065	8	66

INJECTION INSULATED BIT SOCKET FOR TORX SCREWS 1/4"



Item No.	⬡	mm
V42071	T10	66
V42072	T15	66
V42073	T20	66
V42074	T25	66
V42075	T27	66
V42076	T30	66
V42077	T40	66

INJECTION INSULATED EXTENSION BAR 1/4"



Item No.	□	mm
V42405	1/4"	75
V42406	1/4"	150

1000V

SPECIAL SPECIFICATIONS

DIPPED INSULATED BIT SOCKET FOR HEXAGON SCREWS, LONG VERSION 1/2"

MULTILAYER
DIPPED



Multilayer dipped Item No.	mm	mm
V41721	4	157
V41722	5	157
V41723	6	157
V41724	8	157
V41725	10	157

DIPPED INSULATED BIT SOCKET FOR HEXAGON SCREWS, LONG VERSION 3/8"

MULTILAYER
DIPPED



Multilayer dipped Item No.	mm	mm
V41911	4	157
V41912	5	157
V41913	6	157
V41914	8	157
V41915	10	157

DIPPED INSULATED BIT SOCKET FOR TORX SCREWS LONG VERSION 1/2"

MULTILAYER
DIPPED



Multilayer dipped Item No.	mm	mm
V41741	T10	157
V41742	T15	157
V41743	T20	157
V41744	T25	157
V41745	T27	157
V41746	T30	157
V41747	T40	157
V41748	T45	157
V41749	T50	157
V41750	T55	157

DIPPED INSULATED BIT SOCKET FOR TORX SCREWS, LONG VERSION 3/8"

MULTILAYER
DIPPED



Multilayer dipped Item No.	mm	mm
V41921	T10	157
V41922	T15	157
V41923	T20	157
V41924	T25	157
V41925	T27	157
V41926	T30	157
V41927	T40	157
V41928	T45	157
V41929	T50	157
V41930	T55	157

INJECTION INSULATED BIT SOCKET FOR LONG VERSION 1/2"



Item No.		mm
V41814	4	157
V41815	5	157
V41816	6	157
V41818	8	157
V41820	10	157
V41812	12	157

INJECTION INSULATED BIT SOCKET WITH DOUBLE-HEX, LONG VERSION 1/2"



Item No.		mm
V41861	M6	157
V41862	M8	157
V41863	M10	157
V41864	M12	157

INJECTION INSULATED BIT SOCKET FOR TORX SCREWS, LONG VERSION 1/2"



Item No.		mm
V41831	T10	157
V41832	T15	157
V41833	T20	157
V41834	T25	157
V41835	T27	157
V41836	T30	157
V41837	T40	157
V41838	T45	157
V41839	T50	157
V41840	T55	157


INJECTION INSULATED BIT SOCKET 1/2"



Item No.		mm
V41851	M6	120
V41852	M8	120
V41853	M10	120
V41854	M12	120


INJECTION INSULATED BIT SOCKET FOR HEXAGON SCREWS, LONG VERSION 3/8"



Item No.		mm
V42014	4	157
V42015	5	157
V42016	6	157
V42017	8	157
V42018	10	157
V42019	12	157


INJECTION INSULATED BIT SOCKET LONG VERSION 3/8"



Item No.		mm
V42035	M6	157
V42036	M8	157
V42037	M10	157
V42038	M12	157


INJECTION INSULATED BIT SOCKET FOR TORX SCREWS, LONG VERSION 3/8"



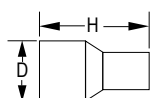
Item No.		mm
V42021	T10	157
V42022	T15	157
V42023	T20	157
V42024	T25	157
V42025	T27	157
V42026	T30	157
V42027	T40	157
V42028	T45	157
V42029	T50	157
V42030	T55	157

INJECTION INSULATED BIT SOCKET 3/8"



Item No.		mm
V42031	M6	75
V42032	M8	75
V42033	M10	75
V42034	M12	75

INJECTION INSULATED E TYPE SOCKET 3/8"



Item No.		D	H
V41678	E8	16	45
V41680	E10	18	45
V41681	E11	19	45
V41682	E12	20	45
V41684	E14	22	45
V41686	E16	25	45
V41688	E18	27	45
V41690	E20	29	45

INJECTION INSULATED BIT ADAPTER 1/4"



Item No.		mm
V42415	1/4"	75

INJECTION INSULATED ADAPTER



Item No.		
V42421	1/2"	3/8"
V42422	3/8"	1/2"
V42423	3/8"	1/4"
V42424	1/4"	3/8"

INJECTION INSULATED Z TYPE ADAPTER 3/8"



Item No.		
V42430	3/8"	10

⚡ 1000V

ACCESSORIES



INSULATED PLASTIC SLIP-ON CAPS



Item No.	Size
V70201	1#
V70202	2#
V70203	3#

DIPPED INSULATED SINGLE-EAR PROTECTIVE COVER



Item No.	Size	H
V70510	110	180

DIPPED INSULATED SELF-CLAMPING SLIP-ON CAPS



Item No.	Size	mm
V70410	10	80
V70420	20	100
V70430	30	110
V70440	40	120

DIPPED INSULATED DOUBLE-EARS PROTECTIVE COVER



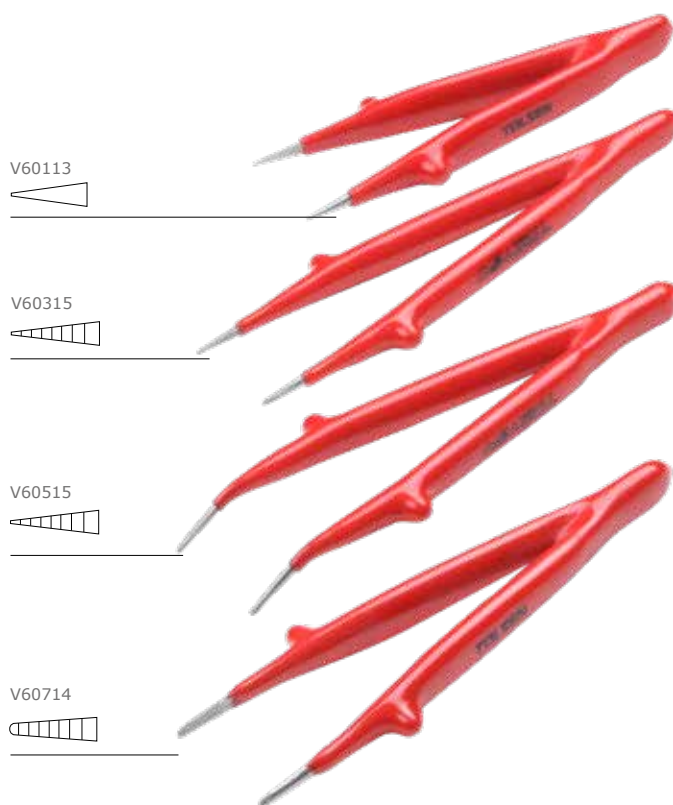
Item No.	Size	H
V70520	110	180

DIPPED INSULATED HACKSAW



Item No.	D	L
V50112	300	460

DIPPED INSULATED PRECISION TWEEZERS



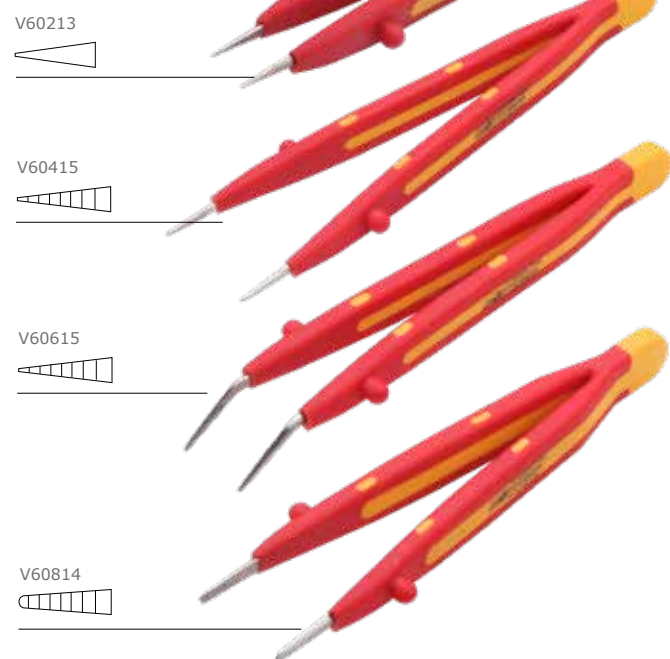
Item No.	mm
V60113	130
V60315	158
V60515	155
V60714	145

INJECTION INSULATED Mallet



Item No.	Φ mm	mm	Weight/kg
V71030	30	315	0.6

INJECTION INSULATED PRECISION TWEEZERS



Item No.	mm
V60213	135
V60415	158
V60615	155
V60814	145

INJECTION INSULATED KNIVES



V50418
CABLE KNIFE (STRAIGHT)



V50616
DISMANTLING KNIFE (SEMICIRCLE)



V51018
DISMANTLING KNIFE (LONG HOOK)



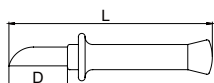
V51218
CABLE KNIFE (GUARD)



51416
DISMANTLING KNIFE



V50819
CABLE KNIFE (CHANGABLE)



V51501
KNIFE BLADE



Item No.	D	mm
V50418	50	180
V50616	28	170
V51018	50	180
V51218	50	180
V51416	38	185
V50819	48	185

INJECTION INSULATED SCISSORS



Item No.

mm

V90047

160

INJECTION INSULATED PLASTIC CLAMP



Item No.

mm

V61020

200

INJECTION INSULATED PLASTIC CLAMP



Item No.	mm
V61205	75
V61215	150

INSULATING BENT NOSE PLIERS WITH CERAMIC BLADE

NEW

Full insulating, minimises the risk of short circuits. Ceramic cutters, no conductive material is accessible. Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC. Ergonomically shaped 2-component handles, comfort grip.



Item No.	mm
V10626	220

INSULATING SNIP NOSE PLIERS WITH CERAMIC BLADE

NEW

Full insulating, minimises the risk of short circuits. Ceramic cutters, no conductive material is accessible. Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC. Ergonomically shaped 2-component handles, comfort grip.



Item No.	mm
V10226	200

INSULATING CABLE CUTTER

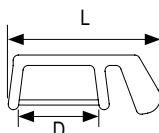
NEW

Full insulating, minimises the risk of short circuits. Ceramic cutters, no conductive material is accessible. Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC. Ergonomically shaped 2-component handles, comfort grip.



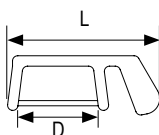
Item No.	mm
V11826	200

INJECTION INSULATED HACKSAW



Item No.	D	L
V50230	150	300

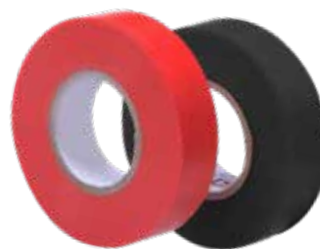
INJECTION INSULATED HACKSAW



Item No.	D	L
V50231	300	483

VINYL ELECTRICAL TAPE

Pressure Sensitive Vinyl Tape
Cold And Sunlight Resistant
Flame Retardant
Primary Insulation 600V
UL 510, CSA, VDE Approved



Item No.	Size	Color
V90052	19mm x 0.18mm x 10m	RED
V90045	19mm x 0.18mm x 10m	BLACK

13PCS VDE INSULATED SCREWDRIVER SET



Item No.	Content	mm
38016	4pcs Slotted:	1.2x6.5x100, 1x5.5x100 0.8x4x100, 0.5x3x100
	2pcs Phillips:	PH2x100, PH1x80
	2pcs Pozidriv:	PZ2x100, PZ1x80
	3pcs Torx:	T20x100, T15x100, T10x100

NON-CONTACT AC VOLTAGE DETECTOR



3 KINDS OF SENSITIVITY
high, medium and low



AUTOMATIC SELECTION



LED WHITE LIGHT
for enhanced visibility



Item No.	mm
38110	156

VOLTAGE TESTER



VDE GS/CE
125~250V

V70670



V70860



Item No.	mm
V70670	70
V70860	60

INSULATED INSPECTION MIRROR

Telescopic design, flexible length adjustment.
Angle of mirror adjustable.

NEW



Item No.	Size	mm
V61302	20 x3	200
V61303	30	200
V61304	40	200

INSULATED FLASHLIGHT

NEW

White illuminant.
Type C Charging.
Anti-Charging Available.

LED



Item No.	LM
V61326	260

TOLSEN

VDELIN^E



TOPSPIN POWERTOOLS
PROFESSIONAL EQUIPMENT

VDELIN^E

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