

SAFETY TOOLS FOR E-MOBILITY



E-vehicles – the future is here

Electromobility is our new reality that has smoothly emerged from futuristic visions of life and is taking over more and more of its areas. Vehicles, until recently powered by engines and using petroleum fuels, have a new future ahead of them – electric. The market for such solutions developed slowly, overcoming a number of limitations – maximum vehicle weight, range limited to a few kilometers, lack of a dense network of charging stations. However, over time, all these obstacles became history, the sight of electrically powered cars, scooters, segways, electric skateboards and unicycles is no longer a frame from a science fiction movie, but a normal picture of an average city street.

It is not only the endless golf courses that are associated with golf clubs for the convenience of players, wherever comfort and quiet transport are important, electric vehicles win – in tourism, funeral services, places with special status, such as zoos with a large area or National Parks (including all-terrain vehicles). In 2017, a prototype of an off-road electric car Sokół 4 × 4 with the body of a Land Rover Defender was created. This project is the result of cooperation between companies presenting innovative solutions, Energy Clusters, universities and research institutes. Polish technical thought is on the way to achieving an excellent product in the field of electromobility – a car of the future that meets the conditions of failure-free operation even in high humidity, high dust or salinity, or the action of harmful chemicals.

The implementation of the plan to reduce operating costs, reduce greenhouse gas emissions, reduce CO₂, CO, HC, NO_x and PM emissions, and reduce noise levels are also magnets, attracting more and more industrial structures to electromobility solutions. Large logistics centers and production plants also choose electrical solutions that work well in closed air circulation systems, more and more popular high-bay warehouses require the use of electric trucks and towing tractors for transport and order picking. For mines, e-vehicles are an additional plus – no need for costly exhaust gas removal.





The great advantage of e-vehicles is their economic maintenance. The design of an electric vehicle is simpler than with an internal combustion engine, there are not so many moving parts that are subject to wear and destruction the fastest. Service and operating expenses are automatically reduced, which, with a large fleet, generates correspondingly high amounts of savings.

But new technologies are primarily challenges for all those who will have to work with e-vehicles as, among others, firefighters, mechanics or service technicians. While for the maintenance of the most ordinary scooter, 2 hex wrenches and a pump extension are enough, with an electric vehicle you should consider tools dedicated to work on electrical installations. Mechanical interference with the electric motor can lead to battery damage, spontaneous ignition and recurrence fire. The leakage of electrolyte, in turn, poses a risk of skin burns and inhalation of combustion products.

The battery cannot be turned off, it is always a source of electricity and, despite its low voltage, is able to generate a lot of energy in the event of a short circuit that can occur when using ordinary mechanical tools. As a company with 40 years of experience in creating tools and equipment for carrying out work under voltage, we are well aware of this, which is why we offer the result of the work of our team of engineers. We make our tools from insulating material, reinforcing them with steel only in absolutely necessary places. The latest concept is a line of hybrid tools, prepared in response to the demand reported by electricians. Hybrid tools are an innovative idea developed in our laboratory and, after a series of improvements, successfully introduced into production. We complement the offer of tools with our propositions – insulating covers, helmets, electrical insulating gloves and accessories ensuring safety and enabling first aid. ▲



PERSONAL PROTECTIVE EQUIPMENT



MORE INFO



www.secra.pl

F111.HSE2

Helmet protects head and integrated faceshield protects face and neck against an electric arc. Available colors: white, yellow, hi-vis yellow, orange, red, green, blue

SECRA H058S Electrically Insulating Helmet, Hi-vis yellow, Class 1 Face Shield, up to 20 kV AC / 1,5 kV DC. Available in other colors



L111.1112

Helmet protects head and integrated faceshield protects face and neck against an electric arc. Available colors: white, yellow, hi-vis yellow, orange, red, green, blue.

7406401 BSD ERGOS Electrically Insulating Helmet, ATPV=14 cal/cm² Face Shield, up to 20 kV / 1,5 kV DC.



G111.1113

Mounted on the helmet, it illuminates workplace

Head Flashlight AHL0061, 400 lm



H332.0101

Balaclava increases protection of the head against electric arc

Arc Flash Balaclava, ARC protect ATPV 17,7 cal/cm²



H444.010X



H442.01XX



H442.040X



H442.02XX



H442.03XX



H446.010X



Protective garments are used against electric arc, with the highest ergonomics in use

REFERENCE	NAME
H444.010X	465506X Arc Flash Coat 47 cal/cm ² , available sizes: S; M; L; XL; XXL
H442.01XX	46410XX Arc Flash Jacket "Comfort", Class 1, 158 kJ, HRC 2, 13 cal/cm ² , available sizes: 42-44...66
H442.02XX	4642050 Arc Flash Dungarees "Comfort", Class 1, 158 kJ, HRC 2, 13 cal/cm ² , available sizes: 42-44...66
H442.03XX	4643050 Arc Flash Trousers "Comfort", Class 1, 158 kJ, HRC 2, 13 cal/cm ² , available sizes: 42-44...66
H442.040X	460104X Long-Sleeves Polo Shirt, Class 1, 168 kJ, HRC2, available sizes: 42-44...66
H446.010X	4601320 Flame resistant Elastic Belt, available lengths: 90 cm; 100 cm; 110 cm; 120 cm; 130 cm

C111.N1XX



C221.N2XX



C331.03XX

Gloves protecting against electric shock

C111.NXXX gloves protecting against mechanical damage

H045 Protective Gloves Against Mechanical Damage available sizes 8-12

REFERENCE	NAME
C111.N1XX	XOG Electrical Insulating Gloves Class 00, Orange, 36 cm, Rolled Cuff, up to 500 V AC/750 V DC. Available sizes 8-12
C221.N2XX	OOG Electrical Insulating Gloves Class 0, Orange, 36 cm, Rolled Cuff, up to 1000 V AC/1500 V DC. Available sizes 8-12



J443.0101

Glove case

H047 Case for Gloves, 400 x 200 mm



C333.0101

Cotton Glove increase comfort of using the C111.NXXX gloves

H046 Cotton Gloves



D331.0101

Glove tightness quick check tester. Tightness means that electrical insulating properties are maintained

7352000 Pneumatic Glove Tester



K223.A2XX

Overboots protect against electric shock with step voltage up to 17 kV AC

ANTYAMPER Electrical Insulating Overboots, Class 2, S4 (41-45) S5 (46-49)

*Let's create
the future
of live
working
together*





TOOLS



E114.0201

Insulated screwdrivers are used to operate slot head and cross head screws

RWWE A111.26xx 7 Screwdriver Set, up to 1 kV AC / 1,5 kV DC



The Adjustable Spanner is a universal tool for handling screw connections



The Ring Ratchet Spanners are used to tighten and unscrew screws in places with limited access

REFERENCE	NAME
A111.0510	HOG Insulated Ring Ratchet Spanner No 10 up to 1 kV AC / 1,5 kV DC
A111.0513	HOG Insulated Ring Ratchet Spanner No 13 up to 1 kV AC / 1,5 kV DC
A111.0514	HOG Insulated Ring Ratchet Spanner No 14 up to 1 kV AC / 1,5 kV DC
A111.0517	HOG Insulated Ring Ratchet Spanner No 17 up to 1 kV AC / 1,5 kV DC
A111.0519	HOG Insulated Ring Ratchet Spanner No 19 up to 1 kV AC / 1,5 kV DC
A111.0521	HOG Insulated Ring Ratchet Spanner No 21 up to 1 kV AC / 1,5 kV DC
A111.0522	HOG Insulated Ring Ratchet Spanner No 22 up to 1 kV AC / 1,5 kV DC
A111.0524	HOG Insulated Ring Ratchet Spanner No 24 up to 1 kV AC / 1,5 kV DC

REFERENCE

NAME

A111.1002	HSZ Insulated Adjustable Spanner 28 mm up to 1 kV AC / 1,5 kV DC
A111.1006	HSZ Insulated Adjustable Spanner 24 mm up to 1 kV AC / 1,5 kV DC



insulated hand tool



Hybrid hand tools



insulating hand tool

MORE INFO



www.hubix.pl/hybrid-tools

Pliers in Insulated, Insulating or Hybrid versions are basic tools for electrical installations

A112.0101



A113.9901



A111.2417



A111.2402



A111.2410



A111.2418



A111.2411



A111.2413



A111.2403



A111.2408



REFERENCE	NAME
A112.0101	HS-9 Insulating Long Flat Nose Pliers up to 1 kV AC / 1,5 kV DC
A113.9901	MC4Si Hybrid Wire Cutter, up to 1 kV AC / 1,5 kV DC
A111.2417	HS-1 Insulated Lineman's Pliers L=200 mm up to 1 kV AC / 1,5 kV DC
A111.2402	HS-2 Insulated Diagonal Side Cutter L=160 mm up to 1 kV AC / 1,5 kV DC
A111.2410	HS-13 Insulated Telephone Pliers up to 1 kV AC / 1,5 kV DC

REFERENCE	NAME
A111.2418	HS-10 Fully Insulated Lineman's Pliers up to 1 kV AC / 1,5 kV DC
A111.2411	HS-11 Fully Insulated Telephone Pliers up to 1 kV AC / 1,5 kV DC
A111.2413	HS-12 Fully Insulated Long Flat Nose Pliers up to 1 kV AC / 1,5 kV DC
A111.2403	HS-2 Fully Insulated Insulated Diagonal Side Cutter L=160 mm up to 1 kV AC / 1,5 kV DC
A111.2408	HS-3 Insulated Groove Joint Pliers up to 1 kV AC / 1,5 kV DC



Hybrid Single Ended Ring Spanners are used to tighten and unscrew screws, nuts and bolts

REFERENCE	NAME
A113.0808	HO Hybrid Single Ended Ring Spanner No 08, up to 1 kV AC / 1,5 kV DC
A113.0809	HO Hybrid Single Ended Ring Spanner No 09, up to 1 kV AC / 1,5 kV DC
A113.0810	HO Hybrid Single Ended Ring Spanner No 10, up to 1 kV AC / 1,5 kV DC
A113.0811	HO Hybrid Single Ended Ring Spanner No 11, up to 1 kV AC / 1,5 kV DC
A113.0812	HO Hybrid Single Ended Ring Spanner No 12, up to 1 kV AC / 1,5 kV DC
A113.0813	HO Hybrid Single Ended Ring Spanner No 13, up to 1 kV AC / 1,5 kV DC
A113.0814	HO Hybrid Single Ended Ring Spanner No 14, up to 1 kV AC / 1,5 kV DC
A113.0815	HO Hybrid Single Ended Ring Spanner No 15, up to 1 kV AC / 1,5 kV DC
A113.0816	HO Hybrid Single Ended Ring Spanner No 16, up to 1 kV AC / 1,5 kV DC
A113.0817	HO Hybrid Single Ended Ring Spanner No 17, up to 1 kV AC / 1,5 kV DC
A113.0818	HO Hybrid Single Ended Ring Spanner No 18, up to 1 kV AC / 1,5 kV DC
A113.0819	HO Hybrid Single Ended Ring Spanner No 19, up to 1 kV AC / 1,5 kV DC
A113.0820	HO Hybrid Single Ended Ring Spanner No 20, up to 1 kV AC / 1,5 kV DC
A113.0821	HO Hybrid Single Ended Ring Spanner No 21, up to 1 kV AC / 1,5 kV DC
A113.0822	HO Hybrid Single Ended Ring Spanner No 22, up to 1 kV AC / 1,5 kV DC
A113.0824	HO Hybrid Single Ended Ring Spanner No 24, up to 1 kV AC / 1,5 kV DC



Open Ended Spanners are used to work on screws or nuts in places without complete access

REFERENCE	NAME
A111.0706	HP Insulated Open Ended Spanner No 6 up to 1 kV AC / 1,5 kV DC
A111.0707	HP Insulated Open Ended Spanner No 7 up to 1 kV AC / 1,5 kV DC
A111.0708	HP Insulated Open Ended Spanner No 8 up to 1 kV AC / 1,5 kV DC
A111.0709	HP Insulated Open Ended Spanner No 9 up to 1 kV AC / 1,5 kV DC
A111.0710	HP Insulated Open Ended Spanner No 10 up to 1 kV AC / 1,5 kV DC
A111.0711	HP Insulated Open Ended Spanner No 11 up to 1 kV AC / 1,5 kV DC
A111.0712	HP Insulated Open Ended Spanner No 12 up to 1 kV AC / 1,5 kV DC
A111.0713	HP Insulated Open Ended Spanner No 13 up to 1 kV AC / 1,5 kV DC
A111.0714	HP Insulated Open Ended Spanner No 14 up to 1 kV AC / 1,5 kV DC

REFERENCE	NAME
A111.0715	HP Insulated Open Ended Spanner No 15 up to 1 kV AC / 1,5 kV DC
A111.0716	HP Insulated Open Ended Spanner No 16 up to 1 kV AC / 1,5 kV DC
A111.0717	HP Insulated Open Ended Spanner No 17 up to 1 kV AC / 1,5 kV DC
A111.0718	HP Insulated Open Ended Spanner No 18 up to 1 kV AC / 1,5 kV DC
A111.0719	HP Insulated Open Ended Spanner No 19 up to 1 kV AC / 1,5 kV DC
A111.0720	HP Insulated Open Ended Spanner No 20 up to 1 kV AC / 1,5 kV DC
A111.0721	HP Insulated Open Ended Spanner No 21 up to 1 kV AC / 1,5 kV DC
A111.0722	HP Insulated Open Ended Spanner No 22 up to 1 kV AC / 1,5 kV DC
A111.0723	HP Insulated Open Ended Spanner No 23 up to 1 kV AC / 1,5 kV DC
A111.0724	HP Insulated Open Ended Spanner No 24 up to 1 kV AC / 1,5 kV DC
A111.0725	HP Insulated Open Ended Spanner No 25 up to 1 kV AC / 1,5 kV DC
A111.0726	HP Insulated Open Ended Spanner No 26 up to 1 kV AC / 1,5 kV DC
A111.0727	HP Insulated Open Ended Spanner No 27 up to 1 kV AC / 1,5 kV DC
A111.0728	HP Insulated Open Ended Spanner No 28 up to 1 kV AC / 1,5 kV DC
A111.0729	HP Insulated Open Ended Spanner No 29 up to 1 kV AC / 1,5 kV DC
A111.0730	HP Insulated Open Ended Spanner No 30 up to 1 kV AC / 1,5 kV DC
A111.0731	HP Insulated Open Ended Spanner No 31 up to 1 kV AC / 1,5 kV DC
A111.0732	HP Insulated Open Ended Spanner No 32 up to 1 kV AC / 1,5 kV DC
A111.0733	HP Insulated Open Ended Spanner No 33 up to 1 kV AC / 1,5 kV DC
A111.0734	HP Insulated Open Ended Spanner No 34 up to 1 kV AC / 1,5 kV DC
A111.0735	HP Insulated Open Ended Spanner No 35 up to 1 kV AC / 1,5 kV DC
A111.0736	HP Insulated Open Ended Spanner No 36 up to 1 kV AC / 1,5 kV DC



A113.0103

Basic Socket Drive

HT Hybrid 1/2" Square T Bar Drive
up to 1 kV AC / 1,5 kV DC



A111.2801

Torque Wrench is used to apply a specific torque to a fastener such as a nut, bolt, or lag screw. Used with sockets (e.g. A113.1310) and extension bars (e.g. A113.1701)

HD Insulated Torque Wrench up to 1 kV AC / 1,5 kV DC



A113.0101

Advanced Socket Drive. It is used to perform work with a screw or nut in places with limited access

HG Hybrid 1/2" Square Reversible Ratchet Drive,
up to 1 kV AC / 1,5 kV DC



Extension bars are used to increase distance between sockets and drive bars. They enable access to screws located deep in devices

REFERENCE	NAME
A113.1701	HPN Hybrid 1/2" Square Extension Bar 110 mm up to 1 kV AC / 1,5 kV DC
A113.1702	HPN Hybrid 1/2" Square Extension Bar 235 mm up to 1 kV AC / 1,5 kV DC



Hybrid Socket Wrenches are used to tighten and unscrew screws, nuts and bolts

REFERENCE	NAME
A113.1408	HNL Hybrid 1/2" Socket Wrench Long No 08, up to 1 kV AC / 1,5 kV DC
A113.1410	HNL Hybrid 1/2" Socket Wrench Long No 10, up to 1 kV AC / 1,5 kV DC
A113.1411	HNL Hybrid 1/2" Socket Wrench Long No 11, up to 1 kV AC / 1,5 kV DC
A113.1412	HNL Hybrid 1/2" Socket Wrench Long No 12, up to 1 kV AC / 1,5 kV DC
A113.1413	HNL Hybrid 1/2" Socket Wrench Long No 13, up to 1 kV AC / 1,5 kV DC
A113.1414	HNL Hybrid 1/2" Socket Wrench Long No 14, up to 1 kV AC / 1,5 kV DC
A113.1415	HNL Hybrid 1/2" Socket Wrench Long No 15, up to 1 kV AC / 1,5 kV DC
A113.1416	HNL Hybrid 1/2" Socket Wrench Long No 16, up to 1 kV AC / 1,5 kV DC
A113.1417	HNL Hybrid 1/2" Socket Wrench Long No 17, up to 1 kV AC / 1,5 kV DC
A113.1418	HNL Hybrid 1/2" Socket Wrench Long No 18, up to 1 kV AC / 1,5 kV DC
A113.1419	HNL Hybrid 1/2" Socket Wrench Long No 19, up to 1 kV AC / 1,5 kV DC
A113.1420	HNL Hybrid 1/2" Socket Wrench Long No 20, up to 1 kV AC / 1,5 kV DC
A113.1421	HNL Hybrid 1/2" Socket Wrench Long No 21, up to 1 kV AC / 1,5 kV DC
A113.1422	HNL Hybrid 1/2" Socket Wrench Long No 22, up to 1 kV AC / 1,5 kV DC
A113.1424	HNL Hybrid 1/2" Socket Wrench Long No 24, up to 1 kV AC / 1,5 kV DC



Hybrid Allen Wrenches are used to tighten and unscrew Hexagon head screws

REFERENCE	NAME
A111.1511	HNI Insulated 1/2" Allen Socket Wrench Short No 11 up to 1 kV AC / 1,5 kV DC
A111.1512	HNI Insulated 1/2" Allen Socket Wrench Short No 12 up to 1 kV AC / 1,5 kV DC
A111.1513	HNI Insulated 1/2" Allen Socket Wrench Short No 13 up to 1 kV AC / 1,5 kV DC
A111.1514	HNI Insulated 1/2" Allen Socket Wrench Short No 14 up to 1 kV AC / 1,5 kV DC
A111.1516	HNI Insulated 1/2" Allen Socket Wrench Short No 17 up to 1 kV AC / 1,5 kV DC
A111.1517	HNI Insulated 1/2" Allen Socket Wrench Short No 17 up to 1 kV AC / 1,5 kV DC

REFERENCE	NAME
A111.1311	HNIL Insulated 1/2" Allen Socket Wrench Long No 11 up to 1 kV AC / 1,5 kV DC
A111.1312	HNIL Insulated 1/2" Allen Socket Wrench Long No 12 up to 1 kV AC / 1,5 kV DC
A111.1313	HNIL Insulated 1/2" Allen Socket Wrench Long No 13 up to 1 kV AC / 1,5 kV DC
A111.1314	HNIL Insulated 1/2" Allen Socket Wrench Long No 14 up to 1 kV AC / 1,5 kV DC
A113.1504	HNI Hybrid 1/2" Allen Socket Wrench Short No 4, up to 1 kV AC / 1,5 kV DC
A113.1505	HNI Hybrid 1/2" Allen Socket Wrench Short No 5, up to 1 kV AC / 1,5 kV DC
A113.1506	HNI Hybrid 1/2" Allen Socket Wrench Short No 6, up to 1 kV AC / 1,5 kV DC
A113.1507	HNI Hybrid 1/2" Allen Socket Wrench Short No 7, up to 1 kV AC / 1,5 kV DC
A113.1508	HNI Hybrid 1/2" Allen Socket Wrench Short No 8, up to 1 kV AC / 1,5 kV DC
A113.1509	HNI Hybrid 1/2" Allen Socket Wrench Short No 9, up to 1 kV AC / 1,5 kV DC
A113.1510	HNI Hybrid 1/2" Allen Socket Wrench Short No 10, up to 1 kV AC / 1,5 kV DC
A113.1604	HNIL Hybrid 1/2" Allen Socket Wrench Long No 4, up to 1 kV AC / 1,5 kV DC
A113.1605	HNIL Hybrid 1/2" Allen Socket Wrench Long No 5, up to 1 kV AC / 1,5 kV DC
A113.1606	HNIL Hybrid 1/2" Allen Socket Wrench Long No 6, up to 1 kV AC / 1,5 kV DC
A113.1607	HNIL Hybrid 1/2" Allen Socket Wrench Long No 7, up to 1 kV AC / 1,5 kV DC
A113.1608	HNIL Hybrid 1/2" Allen Socket Wrench Long No 8, up to 1 kV AC / 1,5 kV DC
A113.1609	HNIL Hybrid 1/2" Allen Socket Wrench Long No 9, up to 1 kV AC / 1,5 kV DC
A113.1610	HNIL Hybrid 1/2" Allen Socket Wrench Long No 10, up to 1 kV AC / 1,5 kV DC



Hybrid Allen Wrenchs are used for screwing and unscrewing bolts and screws with Torx socket head

REFERENCE	NAME
A111.3020	Insulated 1/2" Torx Socket Wrench T20, 70 mm, up to 1 kV AC / 1,5 kV DC
A111.3025	Insulated 1/2" Torx Socket Wrench T25, 70 mm, up to 1 kV AC / 1,5 kV DC
A111.3030	Insulated 1/2" Torx Socket Wrench T30, 70 mm, up to 1 kV AC / 1,5 kV DC
A111.3040	Insulated 1/2" Torx Socket Wrench T40, 70 mm, up to 1 kV AC / 1,5 kV DC
A111.3045	Insulated 1/2" Torx Socket Wrench T45, 70 mm, up to 1 kV AC / 1,5 kV DC
A111.3050	Insulated 1/2" Torx Socket Wrench T50, 70 mm, up to 1 kV AC / 1,5 kV DC
A111.3055	Insulated 1/2" Torx Socket Wrench T55, 70 mm, up to 1 kV AC / 1,5 kV DC
A111.3120	Insulated 1/2" Torx Socket Wrench T20, 115 mm, up to 1 kV AC / 1,5 kV DC
A111.3125	Insulated 1/2" Torx Socket Wrench T25, 115 mm, up to 1 kV AC / 1,5 kV DC
A111.3130	Insulated 1/2" Torx Socket Wrench T30, 115 mm, up to 1 kV AC / 1,5 kV DC
A111.3140	Insulated 1/2" Torx Socket Wrench T40, 115 mm, up to 1 kV AC / 1,5 kV DC
A111.3145	Insulated 1/2" Torx Socket Wrench T45, 115 mm, up to 1 kV AC / 1,5 kV DC
A111.3150	Insulated 1/2" Torx Socket Wrench T50, 115 mm, up to 1 kV AC / 1,5 kV DC
A111.3155	Insulated 1/2" Torx Socket Wrench T55, 115 mm, up to 1 kV AC / 1,5 kV DC
A111.3140	Insulated 1/2" torx socket wrench T40, 155 mm, up to 1 kV AC / 1,5 kV DC
A111.3145	Insulated 1/2" torx socket wrench T45, 155 mm, up to 1 kV AC / 1,5 kV DC
A111.3150	Insulated 1/2" torx socket wrench T50, 155 mm, up to 1 kV AC / 1,5 kV DC
A111.3155	Insulated 1/2" torx socket wrench T55, 155 mm, up to 1 kV AC / 1,5 kV DC

Hand allen wrenches in different shapes.



Hand Allen Wrenches in different shapes

REFERENCE	NAME
A111.0230	HLI Insulated Allen Wrench No. 3, up to 1 kV AC / 1,5 kV DC
A111.0235	HLI Insulated Allen Wrench No. 3,5, up to 1 kV AC / 1,5 kV DC
A111.0240	HLI Insulated Allen Wrench No. 4, up to 1 kV AC / 1,5 kV DC
A111.0250	HLI Insulated Allen Wrench No. 5, up to 1 kV AC / 1,5 kV DC
A111.0260	HLI Insulated Allen Wrench No. 6, up to 1 kV AC / 1,5 kV DC
A111.0270	HLI Insulated Allen Wrench No. 7, up to 1 kV AC / 1,5 kV DC
A111.0280	HLI Insulated Allen Wrench No. 8, up to 1 kV AC / 1,5 kV DC
A111.0290	HLI Insulated Allen Wrench No. 9, up to 1 kV AC / 1,5 kV DC



HTI Hybrid Allen Wrench shape T

REFERENCE	NAME
A113.1106	HTI Hybrid Allen Wrench No. 6, up to 1 kV AC / 1,5 kV DC
A113.1108	HTI Hybrid Allen Wrench No. 8, up to 1 kV AC / 1,5 kV DC



A113.0601

Basic Electrician's tool to cut

HNM Hybrid Knife L=200 mm, up to 1 kV AC / 1,5 kV DC



A111.9912

Tweezers allow moving and holding energized parts

Insulated Tweezers, up to 1 kV AC / 1,5 kV DC



A113.0604

Basic Electrician's tool to cut

HR Hybrid Bow Saw up to 1 kV AC / 1,5 kV DC



A111.9913

Magnetic Holder allows moving and holding energized parts

Insulated Magnetic Holder with Flexible Arm, up to 1 kV AC / 1,5 kV DC



TOOL SETS

E331.0101

E-mobility 17 Parts Tools Set



REFERENCE	NAME
E114.0201	RWWE A111.26xx Screwdriver 7 Pieces Set, up to 1 kV AC / 1,5 kV DC
A113.0901	HS-8 Hybrid Lineman's Pliers 200 mm up to 1 kV AC / 1,5 kV DC
A112.0101	HS-9 Insulating Long Flat Nose Pliers up to 1 kV AC / 1,5 kV DC
A111.2001	HN8N Insulated Wire Cutter, up to 1 kV AC / 1,5 kV DC
A111.0708	HP Insulated Open Ended Spanner No 8 up to 1 kV AC / 1,5 kV DC
A111.0710	HP Insulated Open Ended Spanner No 10 up to 1 kV AC / 1,5 kV DC
A111.0712	HP Insulated Open Ended Spanner No 12 up to 1 kV AC / 1,5 kV DC

REFERENCE	NAME
A111.0713	HP Insulated Open Ended Spanner No 13 up to 1 kV AC / 1,5 kV DC
A111.0714	HP Insulated Open Ended Spanner No 14 up to 1 kV AC / 1,5 kV DC
A111.1002	HSZ Insulated Adjustable Spanner up to 1 kV AC / 1,5 kV DC
A111.2408	HS-3 Insulated Groove Joint Pliers up to 1 kV AC / 1,5 kV DC
J112.0502	Case with Foam Insert for a E331.0101 set

A331.0103

E-mobility 20 Parts Tools Set

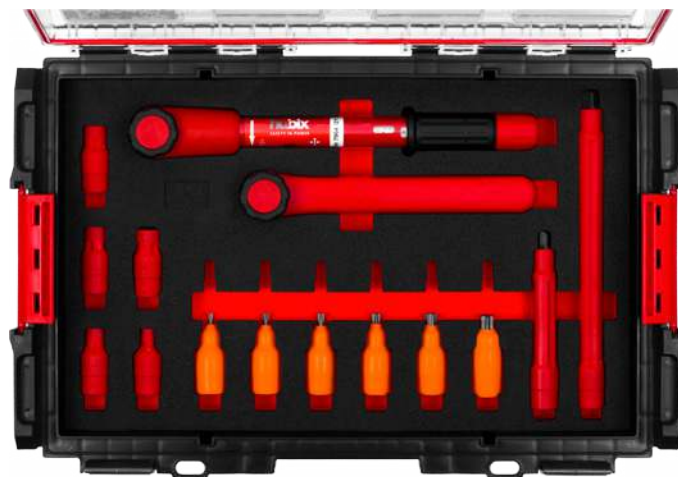


REFERENCE	NAME
A113.0101	HG Hybrid 1/2" Square Reversible Ratchet Drive, up to 1 kV AC / 1,5 kV DC
A113.1701	HPN Hybrid 1/2" Square Extension Bar 125 mm up to 1 kV AC / 1,5 kV DC
A113.1702	HPN Hybrid 1/2" Square Extension Bar 250 mm up to 1 kV AC / 1,5 kV DC
A113.1308	HN Hybrid 1/2" Socket Wrench Short No 08, up to 1 kV AC / 1,5 kV DC
A113.1310	HN Hybrid 1/2" Socket Wrench Short No 10, up to 1 kV AC / 1,5 kV DC
A113.1312	HN Hybrid 1/2" Socket Wrench Short No 12, up to 1 kV AC / 1,5 kV DC
A113.1313	HN Hybrid 1/2" Socket Wrench Short No 13, up to 1 kV AC / 1,5 kV DC
A113.1314	HN Hybrid 1/2" Socket Wrench Short No 14, up to 1 kV AC / 1,5 kV DC
A111.3010	Insulated 1/2" Torx Socket Wrench T10, up to 1 kV AC / 1,5 kV DC
A111.3015	Insulated 1/2" Torx Socket Wrench T15, up to 1 kV AC / 1,5 kV DC
A111.3020	Insulated 1/2" Torx Socket Wrench T20, up to 1 kV AC / 1,5 kV DC

REFERENCE	NAME
A111.3025	Insulated 1/2" Torx Socket Wrench T25, up to 1 kV AC / 1,5 kV DC
A111.3030	Insulated 1/2" Torx Socket Wrench T30, up to 1 kV AC / 1,5 kV DC
A111.3040	Insulated 1/2" Torx Socket Wrench T40, up to 1 kV AC / 1,5 kV DC
A113.1408	HNL Hybrid 1/2" Socket Wrench Long No 08, up to 1 kV AC / 1,5 kV DC
A113.1410	HNL Hybrid 1/2" Socket Wrench Long No 10, up to 1 kV AC / 1,5 kV DC
A113.1411	HNL Hybrid 1/2" Socket Wrench Long No 11, up to 1 kV AC / 1,5 kV DC
A113.1412	HNL Hybrid 1/2" Socket Wrench Long No 12, up to 1 kV AC / 1,5 kV DC
A113.1413	HNL Hybrid 1/2" Socket Wrench Long No 13, up to 1 kV AC / 1,5 kV DC
A113.1414	HNL Hybrid 1/2" Socket Wrench Long No 14, up to 1 kV AC / 1,5 kV DC
J112.0504	Case with Foam Insert for a E331.0103 set

E331.0102

E-mobility 15 Parts Tools Set



REFERENCE	NAME
A111.2801	HD Insulated Torque Wrench up to 1 kV AC / 1,5 kV DC
A113.0101	HG Hybrid 1/2" Square Reversible Ratchet Drive, up to 1 kV AC / 1,5 kV DC
A113.1701	HPN Hybrid 1/2" Square Extension Bar 125 mm up to 1 kV AC / 1,5 kV DC
A113.1702	HPN Hybrid 1/2" Square Extension Bar 250 mm up to 1 kV AC / 1,5 kV DC
A113.1308	HN Hybrid 1/2" Socket Wrench Short No 08, up to 1 kV AC / 1,5 kV DC
A113.1310	HN Hybrid 1/2" Socket Wrench Short No 10, up to 1 kV AC / 1,5 kV DC
A113.1312	HN Hybrid 1/2" Socket Wrench Short No 12, up to 1 kV AC / 1,5 kV DC
A113.1313	HN Hybrid 1/2" Socket Wrench Short No 13, up to 1 kV AC / 1,5 kV DC
A113.1314	HN Hybrid 1/2" Socket Wrench Short No 14, up to 1 kV AC / 1,5 kV DC
A111.3010	Insulated 1/2" Torx Socket Wrench T10, up to 1 kV AC / 1,5 kV DC
A111.3015	Insulated 1/2" Torx Socket Wrench T15, up to 1 kV AC / 1,5 kV DC

REFERENCE	NAME
A111.3020	Insulated 1/2" Torx Socket Wrench T20, up to 1 kV AC / 1,5 kV DC
A111.3025	Insulated 1/2" Torx Socket Wrench T25, up to 1 kV AC / 1,5 kV DC
A111.3030	Insulated 1/2" Torx Socket Wrench T30, up to 1 kV AC / 1,5 kV DC
A111.3040	Insulated 1/2" Torx Socket Wrench T40, up to 1 kV AC / 1,5 kV DC
J112.0503	Case with Foam Insert for a E331.0102 set



ELECTRICAL INSULATION



Electrical Insulating Mattings are used for electrical protection

REFERENCE	NAME
B111.0803	H052 Insulating Matting Class 0, 0,6 x 0,6 m up to 1 kV AX / 1,5 kV DC
B111.0804	H052 Insulating Matting Class 0, 0,6 x 1,0 m up to 1 kV AX / 1,5 kV DC
B111.0802	H052 Insulating Matting Class. 0, 1,0 x 1,0 m up to 1 kV AX / 1,5 kV DC
B111.0810	H052 Insulating Matting Class 0, 1,0 x 10 m up to 1 kV AX / 1,5 kV DC



Electrical Insulating Blankets are used to protect from accidental contact with energized parts

REFERENCE	NAME
B113.0108	H031 Insulating Blanket Class 0, 1000x800 mm, up to 1 kV AC / 1,5 kV DC
B113.0164	H031 Insulating Blanket Class 0, 600x400 mm, up to 1 kV AC / 1,5 kV DC
B113.0195	H031 Insulating Blanket Class 0, 900x500 mm, up to 1 kV AC / 1,5 kV DC



J223.0101

Matting case

H52W Bag for Insulating Matting, RED



B113.0402

Electrical insulating clamp. Used to fix blankets

H034 Insulating Clamp 50 mm, up to 1 kV AC / 1,5 kV DC



Electrical Insulating End Caps cover uninsulated conductor parts

REFERENCE	NAME
B111.0405	H029 Insulating End Cap Size 5 up to 1 kV AC / 1,5 kV DC
B111.0415	H029 Insulating End Cap Size 15 up to 1 kV AC / 1,5 kV DC
B111.0420	H029 Insulating End Cap Size 20 up to 1 kV AC / 1,5 kV DC
B111.0430	H029 Insulating End Cap Size 30 up to 1 kV AC / 1,5 kV DC
B111.0440	H029 Insulating End Cap Size 40 up to 1 kV AC / 1,5 kV DC



B112.0501

Electrical insulating foil is used to cover energized parts

H032 Insulating Foil 12.5 m x 1.3 m x 0.3 mm, up to 1 kV AC / 1,5 kV DC



B112.0502

Electrical insulating tape is used to cover energized parts

H033 Insulating Tape 12,5 m x 0.1 m x 0.3 mm, up to 1 kV AC / 1,5 kV DC



A112.0301

Electrical Insulating wedge used to separate conductors in multiconductor cable

H079 Insulating Wedge for Cables, up to 1 kV AC / 1,5 kV DC



A112.0302

Electrical Insulating wedge used to separate conductors in multiconductor cable

H039 Insulating Wedges up to 1 kV AC / 1,5 kV DC

Products used to ensure working place security



K993.0302

Round Base Pole



**NIE DOTYKAĆ !
URZĄDZENIE ELEKTRYCZNE**

K991.0101

PVC Sign: DO NOT TOUCH. ELECTRICAL DEVICE



K993.0301

Skipper Headed Pole



K993.0102

25-meter Red and White Chain



K994.0101

Magnet Signal Road Flares – 6 piece set



padlocks and lockouts

Padlocks and Lockouts are used to protect from accidental electrical device access



K554.0101

Padlock



K554.0102

Lockout



K554.0103

Padlock and Lockout Set

Instruments are used to measure or detect parameters important for electrical installations



D111.0102

266 Clamp Meter



D111.0103

306219 Eazy Volt PRO LCD Electricity Tester



D111.0104

101333 Pyrometer

Rescue kit for people affected by electric shock. Contains First Aid and dielectric products



K553.0101

First Aid Kit

K992.0101

Manual – General Rules of Procedure for Providing First Aid + First Aid Sign



K555.0101

Free-standing First Aid Board



K555.0102

Hanging First Aid Board



K992.0102

Pre-medical First Aid Manual



K222.0101

H090 Electrical Insulating Stick with Dielectric Hooks, up to 36 kV AC / 54 kV DC



C111.N211

H044 Electrical Insulating Gloves Class 0, Orange, 36 cm, Rolled Cuff, S11, up to 1000 V AC / 1500 V DC



J222.3001

Glove Container







hubix
SAFETY IN POWER

Hubix sp. z o.o.

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