

Dönges 'High voltage' Tool Kit

Ideally equipped for use on electric vehicles and battery storage systems



Use under voltage



The 'high-voltage' kit is a specially developed set that helps emergency services to safely handle vehicles that use alternative drive technologies such as electric or hybrid systems.

The tool kit contains all the necessary tools and materials to ensure the safety of the emergency services and to carry out initial measures such as disconnecting the battery or covering hazardous areas. It is particularly important to use the box for electric vehicles or other energy storage systems such as photovoltaic systems.



Aim and benefits

The main purpose of the toolbox is to ensure the safety of the emergency services, especially in situations where working on high-voltage systems is required.

In vehicles, any voltage above 48V is classified as high-voltage, while anything below is considered low-voltage. High-voltage components in vehicles are typically identified by orange-coloured cables to indicate the potential hazards.

The kit provides all the necessary tools and materials to work safely and effectively on the vehicle.

The case also contains important tools for deactivating a vehicle's electrical system. These systems vary depending on the vehicle model, which emphasises the need to have the case to hand in order to be able to react flexibly to different deployment scenarios.



Important notes

- PPE must always be worn when working in high-voltage areas.
- The tools contained in the case may only be used by trained specialist personnel with the appropriate 2S qualification.
- The tool kit is not only useful for fire brigades, but also for towing companies and energy storage facilities.
- Emergency services should use the relevant rescue cards for support.



The 'high-voltage' emergency kit enables emergency services to respond quickly and safely to accidents involving electric vehicles and to take the necessary measures to minimise hazards and ensure the safety of everyone involved.

Dönges 'High-voltage' Tool Kit

In the modern world of electromobility, the safety of handling high-voltage systems in electric vehicles (up to 1,000 V) represents a significant challenge. In order to meet this challenge and ensure the safe handling of such vehicles, especially in the event of an accident or breakdown, we offer a specially developed high-voltage kit for electric vehicles. This kit comprises a carefully selected range of protective equipment and tools, based on the experience of experts and the requirements of current operations, and represents an indispensable addition to the equipment of all emergency services working with electric vehicles. It not only offers considerable added value in terms of safety and efficiency in emergency response, but also helps to minimise the risk for emergency services and makes it easier to deal with the new technological challenges posed by electric vehicles, as well as providing valuable assistance in other 'high-voltage' operations up to 1,000 V, such as PV storage systems or energy storage systems in households.

Features:

- as an extension to the transport case

Scope of delivery:

- 1 piece transport box
- 1 piece document folder DIN A4
- 2 pieces handover protocol for high-voltage vehicles
- 1 piece magnetic label for HV systems
- 12 pieces stickers for HV systems
- 1 pair electrician's gloves size 10
- 1 pair cotton jersey gloves
- 1 piece safety goggles
- 1 piece protective visor
- 1 piece guide number carrier
- 1 piece rubber cover cloth
- 2 pieces insulating cover cloth
- 4 pieces 10 x 60 mm push-on spout
- 4 pieces 10 x 60 mm push-on spout
- 1 piece combination pliers with ceramic cutting edge
- 2 pieces plastic expanding wedges
- 1 piece open-end spanner, insulated, 10 mm
- 1 piece open-end spanner, insulated, 13 mm
- 2 pieces safety clamps, small
- 2 pieces safety clamps, short, without hook
- 1 piece talcum powder
- 100 pieces special cable ties

Order no. Version

202706 in aluminium transport box

Complete set

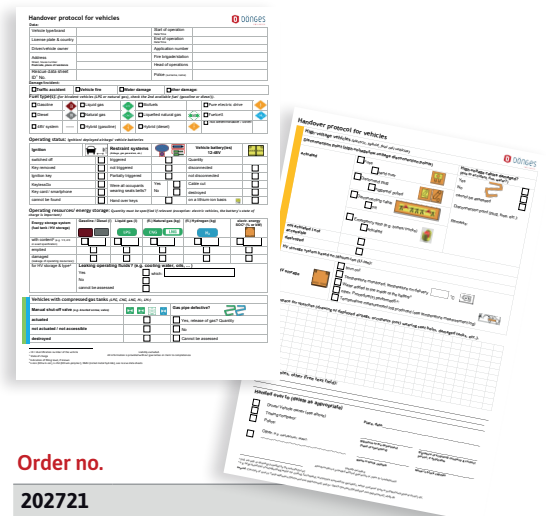
- Protective measures
- Tools
- Marking





Dönges handover protocol for high-voltage vehicles

The handover protocol for high-voltage vehicles was developed to meet the requirements of operations, especially for fire brigades and rescue services. It is an essential component of the 'high-voltage' emergency kit and is ideal for use in the event of traffic accidents involving electric or hybrid vehicles, but also for vehicles with pressurised gas tanks such as LPG, CNG, hydrogen (H₂), etc. The report is printed on both sides on high-quality, water-repellent paper.



Order no.

202721

Dönges sticker / magnetic sign for HV systems 'DEFECTIVE HIGH-VOLTAGE SYSTEM'

Our special stickers or magnetic signs for vehicle high-voltage systems are clearly labelled 'DEFECTIVE HIGH-VOLTAGE SYSTEM' and are specially designed for electric and hybrid vehicles. In the event of a defect in the high-voltage system, e.g. in the event of a road accident, they provide an unmistakable, immediately visible warning. These stickers and magnetic signs are part of the safety equipment in the 'high-voltage' deployment case. They serve as important warnings not only for fire and rescue services, but also for vehicle workshops, breakdown services and technical services that work with high-voltage vehicles and must fulfil the highest safety standards.

Features:

- provides clear warnings in the event of a defective high-voltage system
- weather-resistant for outdoor use
- sticker made of 90µ adhesive film with high-gloss UV coating
- magnetic sign made of 900µ magnetic carrier with 75µm PVC film

Scope of delivery:

1 piece sticker or magnetic sign



Order no. Version

202722 1 Sticker 210 x 105 mm

202723 2 Magnetic sign 285 x 120 mm



Dönges rescue hook type N black

The S-shaped rescue hook, designed for voltages up to 1,000 V AC and 1,500 V DC, is a rescue tool for emergency services such as the fire brigade and rescue services. It enables the safe rescue of persons involved in electrical accidents, particularly in high-voltage vehicles and photovoltaic systems. With a length of one metre and an integrated limiting disc, the hook provides sufficient distance from the danger zone, minimising the risk to rescuers.

Features:

- made from high-density polyethylene
- suitable for 1,000 V AC and 1,500 V DC
- including limiting disc

Technical data:

Standard: IEC 60900
Length: 1,000 mm



Order no.

202583

VBW bolt cutters with catch hook

High-quality bolt cutters with a special plus. The galvanised catch hooks allow the material to be cut to be threaded quickly and safely, even when standing on a ladder or in poor visibility, for example. German army version with desmopan-insulated shanks (the sheaths are insulated up to 10,000 V).

Features:

- high-performance knife made of chrome-alloyed steel, induction-hardened
- forged steel body
- hardened screws for longer service life
- very light legs made of tubular steel
- minimal effort required for cutting

Technical data:

Type: C
Length: 640 mm
Cutting capacity: 9 mm²/19 HRc
Weight: 2,930 g



Order no.

212120

Fortis chain post

Chain posts with high stability. Large post spacing enables particularly efficient cordoning off. Bayonet lock connects post and base. Eyelet for attaching or passing the chain through. Heavy base with anti-slip element made of recycled rubber ensures stability and prevents scratches to the floor covering. For indoor and temporary outdoor use.

Technical data:

Material: PP polycarbonate
Total length: 1,000 mm
Post Ø: 63 mm
Weight per post with base: 4,200 g



Order no.

Article

4250410140353	Fortis chain post
4205410146355	Fortis chain post set, 6 posts + 5 x 3 m chain
4250384708511	Fortis plastic barrier chain, chain Ø 6 mm, pack of 25

Your specialised dealer:



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