

MURER

A WORLD
FIRST!

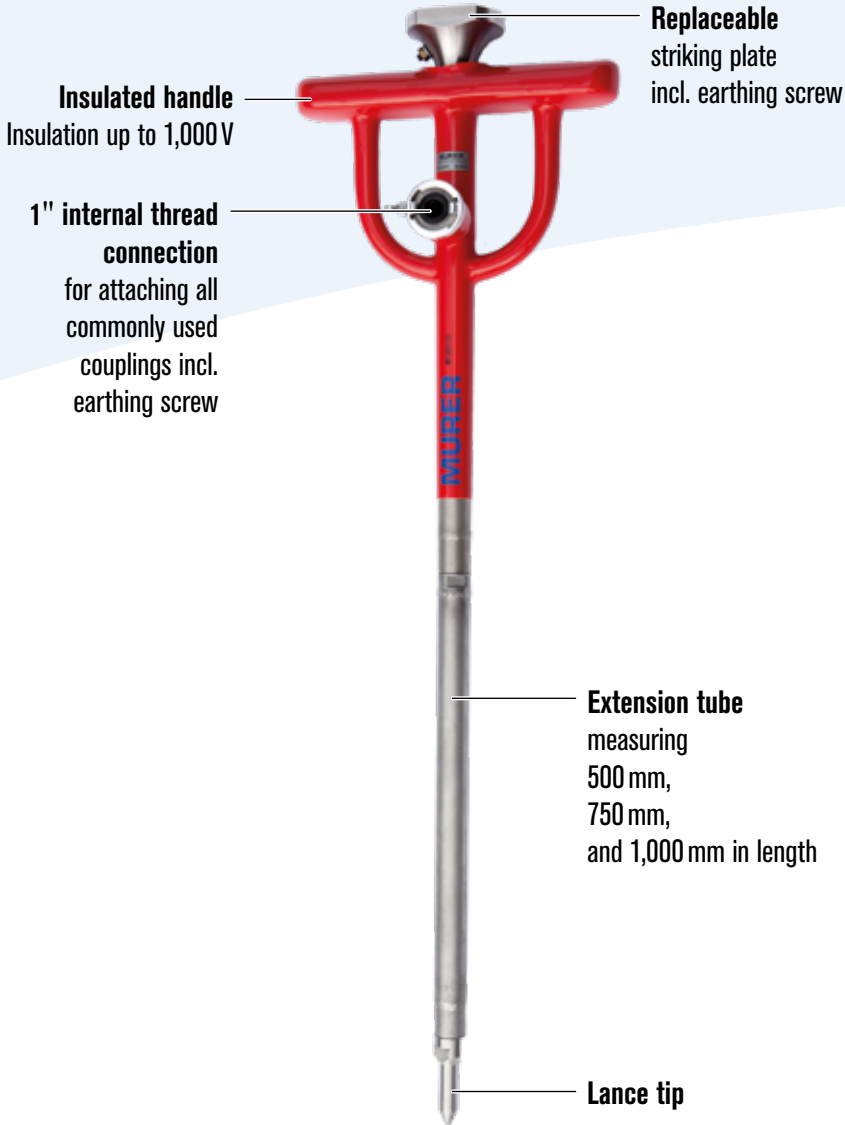


E-extinguishing lance

Operating instructions

www.murer-feuerschutz.de

E-extinguishing lance



Safety information



Only use the E-extinguishing lance to extinguish fires in traction batteries with a voltage of $< 1,000$ V.



Only use the E-extinguishing lance in accordance with the information given in these instructions. Improper use of the E-extinguishing lance may cause personal injury and material damage.



Only use the E-extinguishing lance if an exothermic reaction is identified in the traction battery.
This piece of equipment must not be used preventively.



The E-extinguishing lance must only be used by trained members of staff.



Wear full PPE while using the E-extinguishing lance in accordance with the appropriate regulations.

Intended use

The E-extinguishing lance is intended for extinguishing fires in electric vehicles' traction batteries.



Any unauthorised conversions, modifications or unauthorised use shall exclude the manufacturer from any liability for any resultant damage.



Operating instructions for the E-extinguishing lance

Directly insert the lance tip into the traction battery and fill it with extinguishing agent to quickly and effectively extinguish the fire.

Assembly

- ▶ If necessary, use a commercially available open-ended spanner to replace the lance tip, the striking plate or the extension tube.

Operation

- ▶ Extinguish the vehicle on fire with water, a wetting agent or foam. When doing so, comply with the applicable regional standards.
- ▶ Check whether the high-voltage system is deactivated in accordance with the rescue data sheet. If this is not the case, deactivate it according to the manufacturer's instructions. For vehicles currently being charged, disconnect the charging cable in accordance with the relevant rescue data sheet.
- ▶ Prepare the E-extinguishing lance if there are signs of a battery fire (exothermic reaction identified).



- ▶ Select the correct impact point for the E-extinguishing lance on the vehicle in accordance with the rescue data sheet.
- ▶ Depending on the position of use, fit the suitable extension tube to the E-extinguishing lance.
- ▶ Connect a D hose to the E-extinguishing lance coupling.
- ▶ Load the E-extinguishing lance with extinguishing agent before inserting the system into the traction battery. A pressure of 3 bar at the E-extinguishing lance is ideal.
- ▶ Insert the lance tip of the E-extinguishing lance into the battery case, using an impact tool (e.g. sledgehammer or spalling hammer) to apply a second force on the striking surface of the E-extinguishing lance (see E-spacer section). The lance tip with the extinguishing nozzles must be securely inserted into the battery case.



- ▶ If the E-extinguishing lance slips or is positioned too deeply, it must be repositioned.

The extinguishing effect will become apparent after just a few moments.

- ▶ Allow the extinguishing water to run without interruption until the battery components have cooled down sufficiently after the battery fire has been extinguished.



Always open and close the water shut-off slowly. The water pressure may cause a kickback.



Only use the E-extinguishing lance with extinguishing agents.



Use the E-spacer to obtain the optimum distance from the impact point.

E-extinguishing lance with E-spacer



Earthing and equipotential bonding

In order to ensure personal safety, the E-extinguishing lance has an insulated area around the handle for a voltage of $< 1,000\text{ V}$. You can also set up a dissipative connection using the M8 mounting bolt found on the striking plate or the wing nut on the coupling.



Important! To do this, only use earthing materials that are approved for use by the fire service, e. g. an earthing kit in accordance with GW-G (DIN 14555-12). Such material scan be used to establish a dissipative connection safely, quickly and with a clear overview.



Traction batteries that are partially or fully open due to an incident must be extinguished using a hollow jet tube. When doing this, keep to the minimum distance for hollow jet tubes.

Mounting bolt on the striking plate



Mounting bolt on the coupling



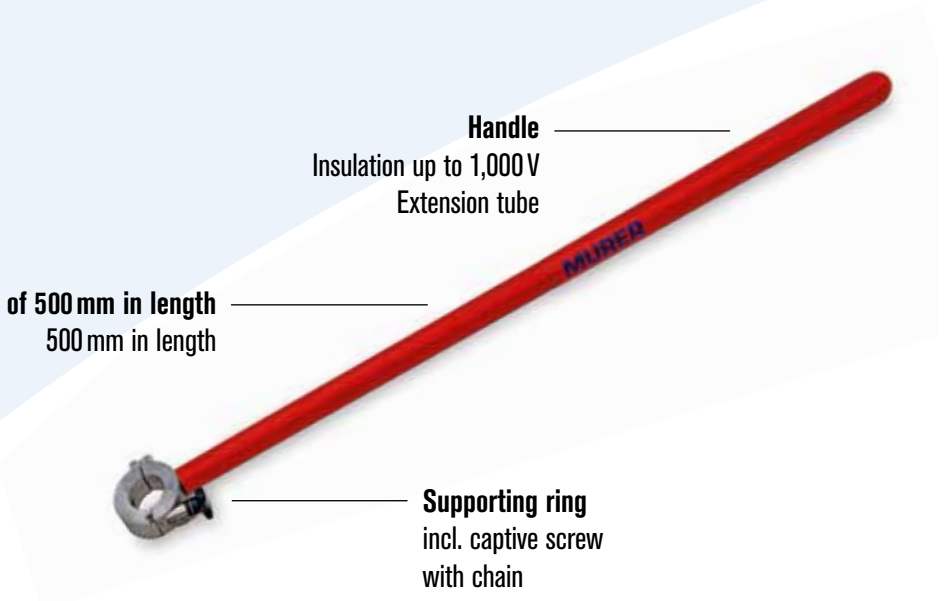
E-spacer

The E-spacer is intended for positioning the E-extinguishing lance and ensuring that there is sufficient distance from the impact point in the traction battery.

You can use an extension to reach a distance of up to 1,000 mm from the impact point.



Any unauthorised conversions, modifications or unauthorised use shall exclude the manufacturer from any liability for any resultant damage.



E-spacer operating instructions

Assembly

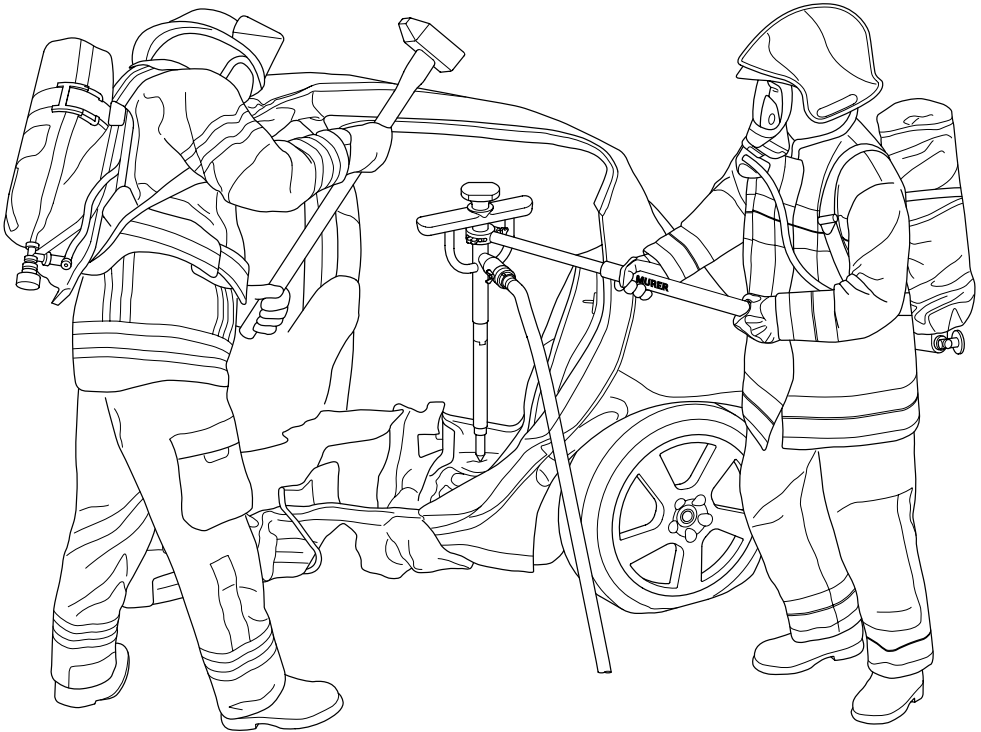
- ▶ A knurled thumb screw can be used to install the supporting ring between the coupling connection and the holder without the need for tools.

We recommend permanently mounting the supporting ring on the E-extinguishing lance.

- ▶ You can connect the E-spacer handle directly to the supporting ring either via the threaded connection or the extension.

Operation

- ▶ Gently open the (captive) knurled thumb screw to make a fine adjustment or to change the position.



Tool inspection

After each use, the E-extinguishing lance must be subjected to a visual inspection.

- ▶ Can all of the connecting tubes and the tip still be disengaged?
- ▶ Are there signs of wear on the tip of the E-extinguishing lance?
- ▶ Are the extinguishing nozzles free from blockages?
- ▶ Are the connecting threads still moving well?
- ▶ Are there signs of wear on the extension tubes?
- ▶ Are there signs of wear on the insulation?
- ▶ Can the extinguishing water supply be connected?

If components are severely damaged, contact the manufacturer concerning repairs.

Any adjacent components are subject to the relevant manufacturer equipment inspection conditions.

Visual inspection – checking whether the E-extinguishing lance tip is blocked



Visual inspection – checking the E-extinguishing lance for signs of wear



Technical data

E-extinguishing lance

■ Material	Stainless steel
■ Length (incl. 500 mm extension tube)	1,105 mm
■ Weight	
– Complete E-extinguishing lance (incl. handle, 500 mm extension and tip)	7,915 g 6,890 g
– E-extinguishing lance excl. extension (incl. handle and tip)	210 g
– Lance tip	820 g
– 500 mm extension tube	1,910 g
– 1,000 mm extension tube	
■ Storz coupling	
– Size	DIN 25/D
– Thread	1" external thread

E-spacer

■ Material	High-strength aluminium alloy
■ Handle	Insulated up to 1,000 V
■ Length (handle + extension)	1,000 mm
■ Weight	1,800 g
■ Supporting ring with knurled thumb screw (captive)	

Your E-extinguishing lance

Register your E-extinguishing lance at

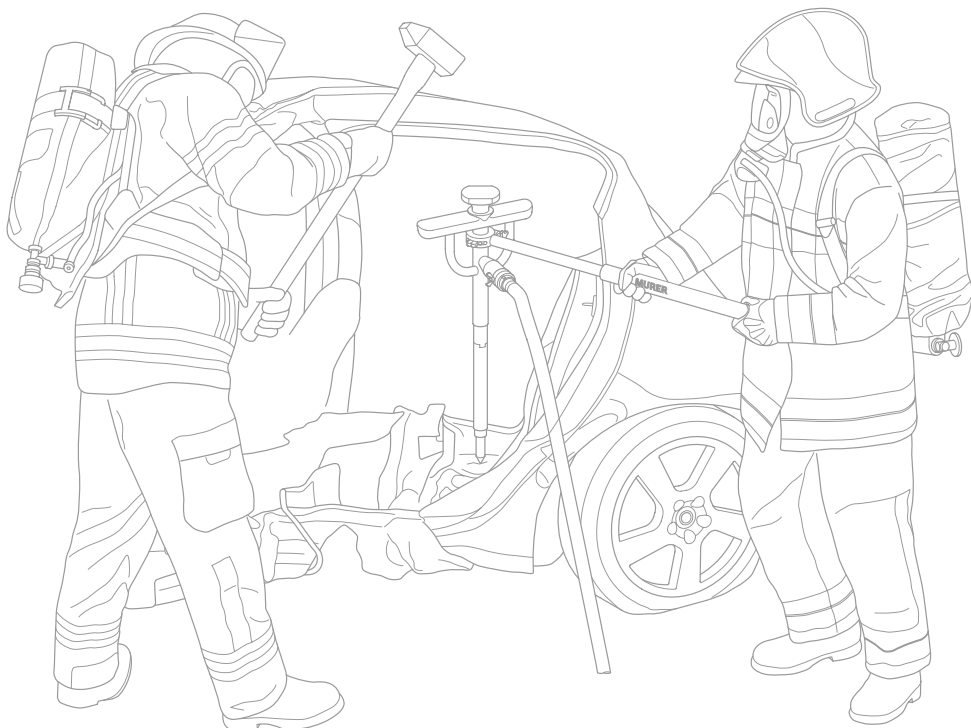
info@e-loeschlanze.de

and provide your serial number to receive the latest news about your E-extinguishing lance.



Note the serial number of your E-extinguishing lance here so that you always have it to hand.

Serial number: _____



MURER-Feuerschutz GmbH

Greener Neue Reihe 15

37574 Einbeck/Greene, Germany

Phone: +49 (0) 5563 95050

Fax: +49 (0) 5563 950550

*For more
information*



Hanover branch

Knauerweg 3-5

30629 Hannover Misburg-Nord, Germany

Phone: +49 (0) 511 9245051

Fax: +49 (0) 511 9245052

info@murer-feuerschutz.de

www.murer-feuerschutz.de



Find us!