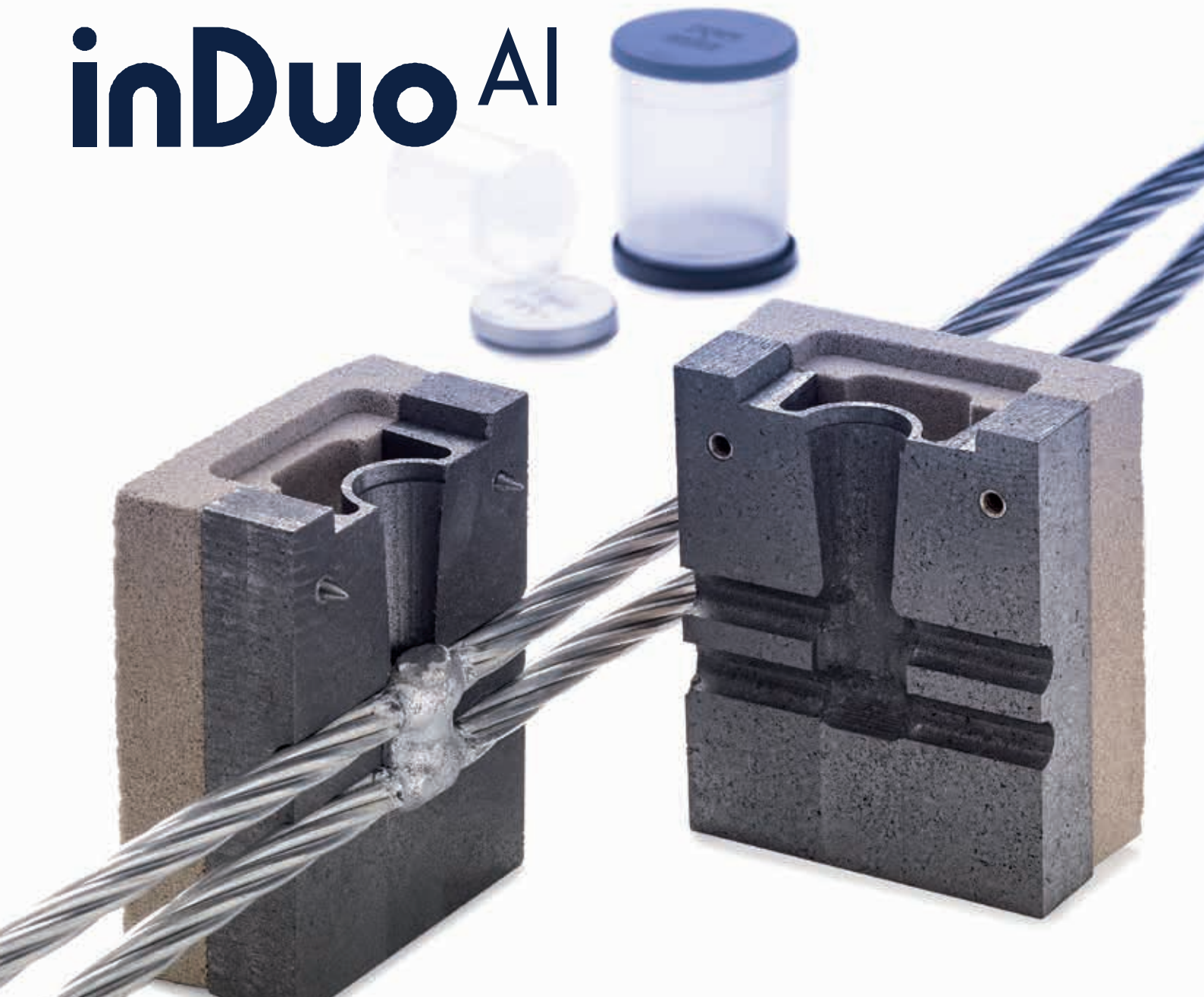


# Welding procedure

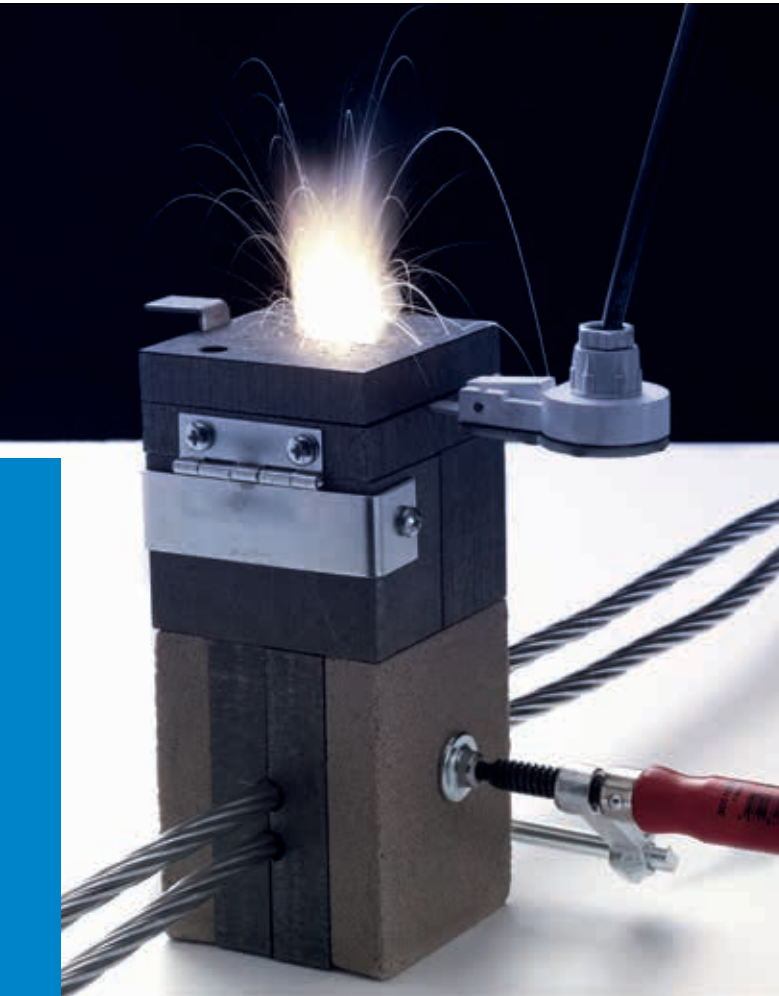
KLK Exothermic Aluminium Welding

## inDuo<sup>Al</sup>



The **KLK-weld inDuo<sup>Al</sup>** welding procedure, which makes use of an exothermic mixture as a heat source, is the best welding solution when one of the components to be welded is aluminium, as the filler metal is the same type, i.e. also aluminium or an aluminium alloy.





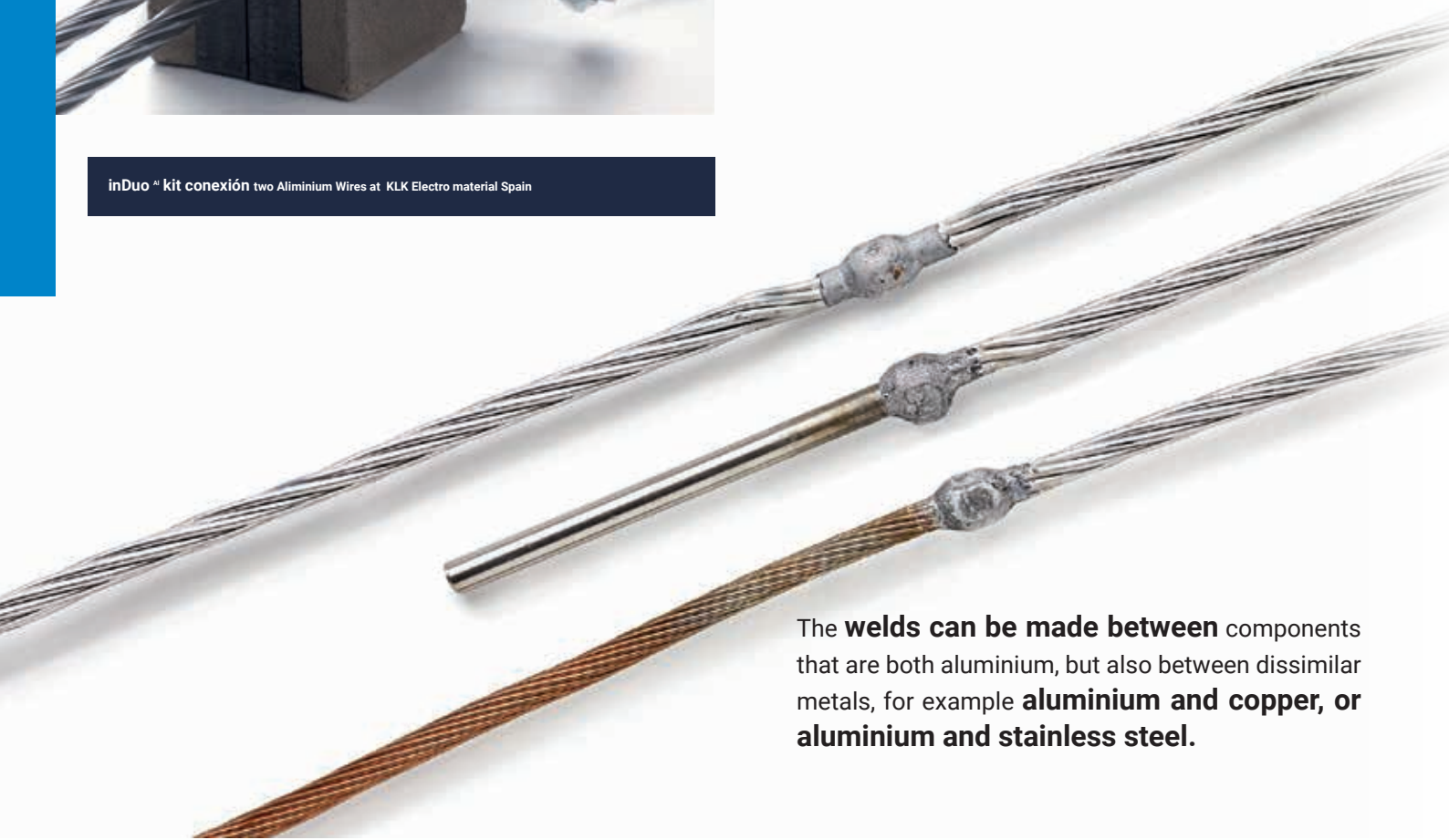
The **inDuo<sup>AL</sup> process** is carried out inside a mould where the components to be welded are placed. The exothermic mixture reaction almost instantaneously generates all the necessary heat to make the weld, without the need for an external energy source.

The make-up of the mould, which is formed by different parts of different materials, makes it possible to keep the exothermic mixture separate from the components to be welded, and also facilitates the transfer of heat to said components and the filler metal itself. The lightness of the materials, as well as the ease and speed of the process, makes this an ideal process for use in the field. Welded aluminium joints are achieved with excellent electrical conductivity, high mechanical strength and excellent behaviour against corrosion.



Scan code and get more information.

inDuo<sup>AL</sup> kit conexión two Aluminium Wires at KLK Electro material Spain



The **welds can be made between** components that are both aluminium, but also between dissimilar metals, for example **aluminium and copper, or aluminium and stainless steel.**

## Components

The **Kit inDuo<sup>A</sup> KLK-weld** includes:

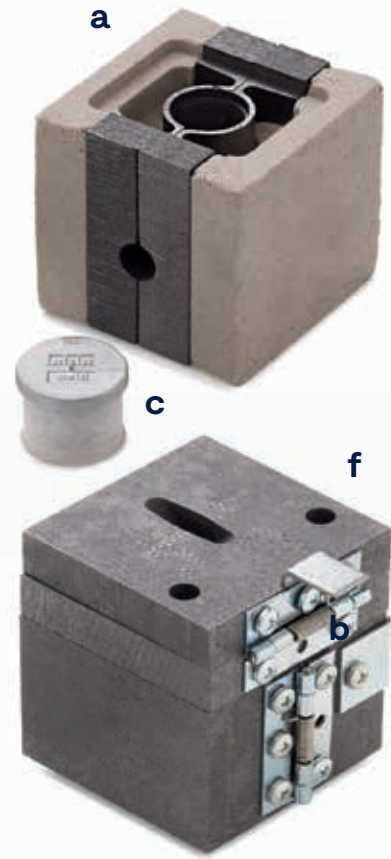
- a.** Sand/graphite mould.
- b.** Aluminothermic powder and ignition powder cartridge.
- c.** Filler powder dose.
- d.** Instructions for use..

The **accessories required for carrying out** the welding procedure are:

- e.** .Funnel. There are different sizes de-pending on the kit: Funnel **60**, Funnel **80**, Funnel **100**..
- f.** **Hopper** with cover. There are different sizes depending on the kit: Hopper **60**, Hopper **80**, Hopper **100**...



- g.** Clamp.
- h.** Hammer.
- i.** Clod chisel.
- j.** Mould brush.
- k.** Cardcloth brush.



### Ignition Procedure LsVIP, two ways to start the reaction.

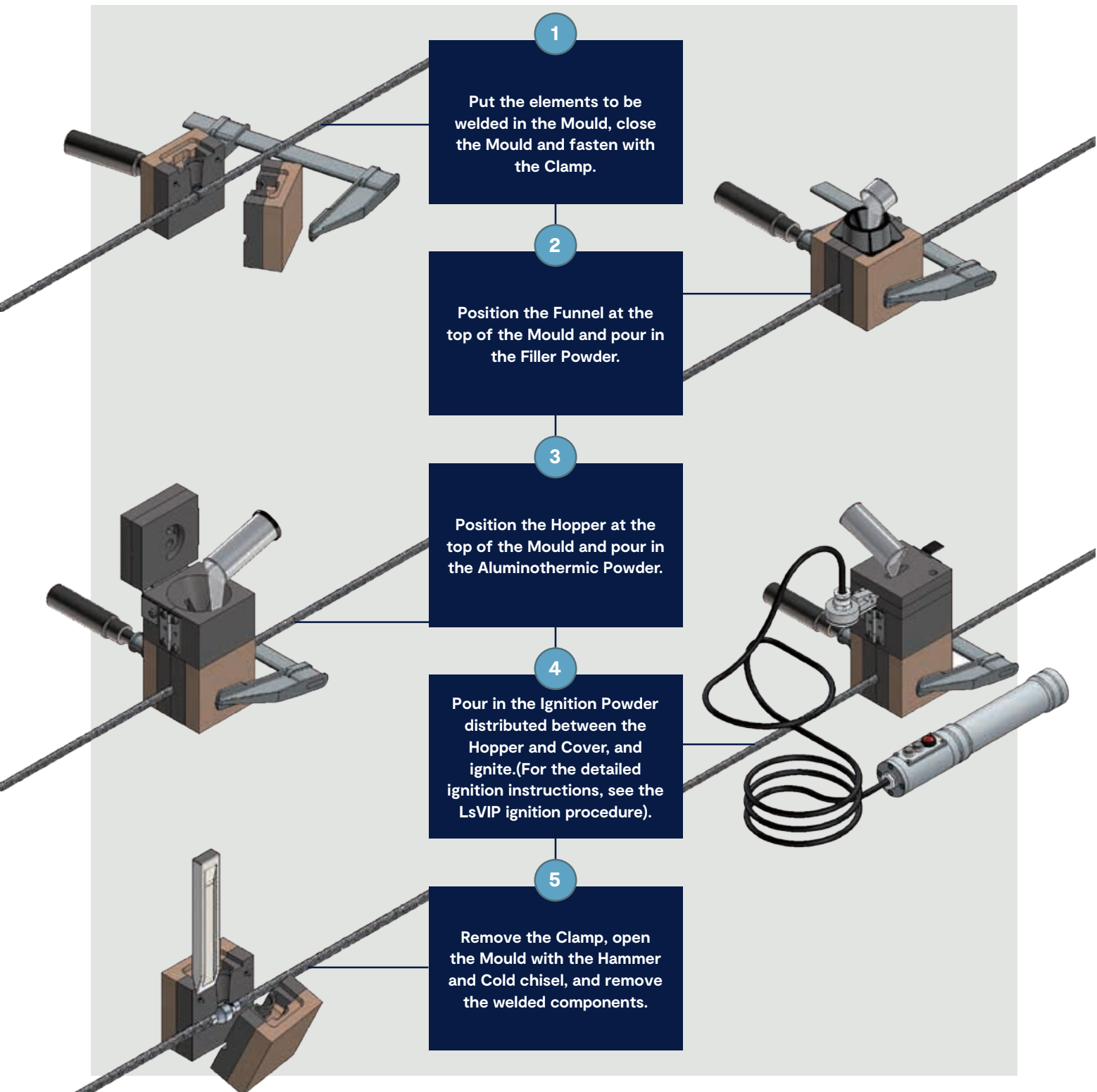
Remote ignition device.



Flint ignitier.

Fuses (one by welding).

# Ease and speed of execution.



## Welding procedure inDuo<sup>AL</sup>

Contact us at:

Mail: [marketing@klk.es](mailto:marketing@klk.es)

Phone: +34 985 32 18 50

Fax: +34 985 30 30 93 07

