Product information
Capacitor discharge stud welding

PS-1KI Contact Welding Gun

- Safety tested
- Production controlled



The PS-1KI contact welding gun is the standard welding gun for the BMS-6 ISO stud welder and suitable for welding cupped head pins (insulating nails).



PS-1KI SOYER contact welding gun for capacitor discharge welding

Description:

The PS-1KI contact welding gun is small and easy to use. It has been especially developed for directly welding cupped head pins (insulating nails combined with clip) through insulating jackets in a single operation, thus saving time. The cupped head pins are pressed through the insulating jacket and at a certain pressure are rapidly and safely welded on the sheet metal underneath in accordance with the contact welding process. (For innovative special features, please see over).

Technical data:

Welding range:	Cupped head pins from 2 – 3 mm and 15 – 200 mm in length
Material:	Steel and stainless steel
Welding and control cables:	10 m highly flexible
Total length with cupped head pin holder:	approx. 190 mm
Total height above grip:	140 mm
Total width:	42 mm
Cupped head pin holder:	Ø 62.5 mm
Weight:	0.6 kg without cables

Subject to technical changes

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Innovative Special Features of the PS-1KI Contact Welding Gun

The new PS-1KI SOYER stud welding gun is the international yardstick for quality, technology, design and safety. Together with easy operation, the hand welding gun offers a maximum of technical performance advantages for producing high-quality stud welded joints in the insulating field.

Additional performance features of the PS-1KI contact welding gun include:

- Development and production are in compliance with all prescribed safety targets such as
  - the latest safety and accident prevention regulations (Act on the Safety of Technical Working Equipment)
  - electromagnetic compatibility (EMC Act)
  - European regulations (EU Directives on Machinery)
- New type of cupped head pin holder with long-term service life and precise guidance
- Practical cupped head pin holder for propping the gun on insulating material and insulating jackets
- Control of the cupped head pin pressure and release of the welding process by means of a special switch in the gun for achieving constant high-quality welding results
- Long service life due to wear-free guide bush with ball bearing and specially surface hardened and ground, antimagnetic guide piston
- Impact- and break-proof whole-body synthetic housing
- Applicable even in narrow locations and areas of difficult access owing to its small compact style
- Fatigue-proof working and enjoyment in welding due to low weight, optimum ergonomics and exemplary design
- Problem-free connection to all capacitor discharge stud welders

SOYER top-of-the-range products awarded the following prizes for


Production


Quality


Technology



Design


Stud Manufacture



Quality Management



International Approval


Safety


EC Conformity