



PS-1K Stud Welding Gun



The new PS-1K contact welding gun allows different welding elements to be safely welded on metallic workpieces at lightning speed.



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

Description:

The PS-1K welding gun is of a light-weight and ergonomical design. Its precision mechanics allows motional sequences which are absolutely free from backlash and extreme stud positioning accuracy of ± 0.1 mm! Thus increased quality and accuracy requirements on stud welded joints can be fully complied with.

Technical data:

Welding range:

Studs and pins from M3 - M10 or 2 - 8 mm in diameter and 6 - 35 mm in length (special lengths with fixture)

Material:

Steel, stainless steel, aluminium and brass

Welding process:

Capacitor discharge process (TS) as per EN ISO 14555 with contact welding

Welding and control cables:

3 m highly flexible

Total length with support tube:

145 mm

Total height above grip:

140 mm

Total width:

50 mm

Support tube:

Ø 30 mm (option: Ø 20 mm)

Weight:

0.4 kg without cables

Subject to technical changes

Innovative Special Features of the PS-1K Stud Welding Gun

The new PS-1K 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.

Additional performance features of the PS-1K stud 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 quick-change system for gun support tubes of different diameters requiring only a flick of the wrist
- ▶ Extreme stud positioning accuracy of +/- 0.1 mm
- ▶ Long service life owing to wear-free guide bush with ball bearing and special surface-hardened and ground, antimagnetic guide piston
- ▶ Impact- and break-proof whole-body synthetic housing
- ▶ Optimum welding quality with all common stud materials even on workpieces with problematic surface coatings
- ▶ 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 for increased welding quality

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



Production



Quality



Technology



Design



Quality Management



International Approval



Safety



EC Conformity