



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 with capacitor discharge

Description:

The small, light-weight PS-1K hand welding gun designed in an optimally ergonomical way achieves for the first time extreme stud positioning accuracies of +/- 0.1 mm owing to precision mechanics with motional sequences which are absolutely free from backlash. Thus increased quality and accuracy requirements on stud welding joints can be fully complied with.

Technical Data:

Welding range:

Studs and pins from 2 - 10 mm in diameter and 6 - 35 mm in length (special lengths with fixture)

Material:

Steel, stainless steel, aluminium and brass

Welding and control cable:

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 (optionally Ø 20 mm)

Weight:

0.4 kg without cable

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 welding joints.

Additional performance features of the PS-1K stud welding gun are:

- ▶ 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 specially 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 and hardly accessible locations owing to its small, compact design
- ▶ Fatigue-proof working and enjoyment in welding due to low weight, optimum ergonomics and exemplary design
- ▶ Problem-free connection to all capacitor discharge stud welding devices for increasing welding quality

SOYER quality products awarded the following prizes for



Production



Quality



Technology



Design



Quality Management



Environmental Management



Safety



EC Conformity