



PS-6A Automatic Stud Welding Gun



The PS-6A automatic welding gun enables the semi-automatic and fully automatic feed of studs with flange as per DIN EN ISO 13918.



PS-6A SOYER automatic stud welding gun for capacitor discharge welding

Description:

The newly developed PS-6A automatic stud welding gun guarantees a maximum of technical performance advantages for the production of high-quality stud studs combined with a simple and practically-oriented operation. The studs can either be fed semi-automatically by hand or fully automatically from the UVR-300 or UVR-300S SOYER universal feeder via the feed chute into the stud holder. The PS-6A automatic stud welding gun is of a particularly sturdy and durable design and is above all suited for professional continual operation. (For innovative special features, please see over).

Technical data:

Welding range:

Studs and pins from M3 - M8 or 3 - 8 mm in diameter and 6 - 40 mm in length

Material:

Steel, stainless steel, aluminium and brass

Welding process:

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

Lift infinitely variable from 0 - 5 mm

Additional adjustment possibility with support legs and support tube

Automatic air cooling of stud holder with simultaneous cleaning

Type of cooling:

Welding, control and air cables:

5 m highly flexible

Total length with stand and support tube:

325 mm

Total height above grip:

170 mm

Total width:

95 mm

Weight:

2.35 kg without cables

Subject to technical changes

Innovative Special Features of the PS-6A Automatic Welding Gun

The new PS-6A SOYER automatic stud welding gun is a top-line product with precision mechanics and long-term quality. The especially sturdy design of the welding gun makes it also ideal for the toughest service conditions, such as on building sites, in the automotive and automotive supply industries, in continuous load operation due to piecework, etc.

Additional performance features of the PS-6A automatic stud welding gun include:

- ▶ Development and production fulfil 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)
- ▶ Multifunctional applicability also for capacitor discharge and short-cycle drawn arc stud welding
- ▶ Impact- and break-proof synthetic housing with handle
- ▶ Optimum protection against welding spatters and other impurities
- ▶ Welding, control and air cables are led through the handle with strain-relief to avoid cable breaks
- ▶ Easily adjustable support legs for differing stud lengths
- ▶ Easy replacement of the standard baseplate with support tube by a baseplate with legs or gas shroud if required
- ▶ Simple manually adjustable lift setting via a special rotary knob
- ▶ Very precise stud positioning due to backlash-free sequence of motions
- ▶ Spirit level at the end of the gun to ensure vertical welding positions
- ▶ Long service life and long-term quality due to wear-free guide bush with ball bearing and special hardened and ground guide piston
- ▶ Invariably high quality performance even with uninterrupted continuous operation

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



Production



Quality



Technology



Design



Quality Management



International Approval



Safety



EC Conformity