



PH-6A Automatic Stud Welding Gun



The PH-6A automatic welding gun enables the semi-automatic and fully automatic feed of studs with or without flange as per DIN EN ISO 13918 for drawn arc and short-cycle drawn arc stud welding.



PH-6A SOYER automatic stud welding gun for drawn arc welding

Description:

Due to its new feed system, the newly developed PH-6A automatic stud welding gun enables the semi-automatic and fully automatic feed of large and oversized welding studs of all types with or without flange for all known stud welding processes. Studs of large dimensions can either be fed manually or fully automatically from the UVR-400/UVR-400S SOYER universal feeder via the feed chute into the stud holder. The PH-6A automatic stud welding gun is of a particularly sturdy and durable design and is even suited for the toughest professional continuous operation. (For innovative special features, please see over).

Technical data:

Welding range:

Studs and pins from M5 - M12 and/or 5 - 12 mm in diameter and 10 - 50 mm in length

Material:

Steel and stainless steel

Welding process:

Drawn arc and short-cycle drawn arc welding as per DIN EN ISO 14555

Type of cooling:

Automatic air cooling of the stud holder with simultaneous cleaning

Welding and control cables:

5 m highly flexible

Total length with stand and gas shroud:

340 mm

Total height above grip:

200 mm

Total width:

80 mm

Weight:

2.4 kg, without cables

Subject to technical changes

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

The new PH-6A automatic stud welding gun guarantees a maximum of technical performance advantages for the production of high-quality stud welded joints combined with a simple and practically-oriented operation.

Additional performance features of the PH-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 for capacitor discharge, drawn arc and short-cycle drawn arc stud welding
- ▶ Impact- and break-proof handle and synthetic housing
- ▶ Optimum protection against welding spatters, dirt and other contamination
- ▶ Welding, control and air cable guide in the gun handle
- ▶ Simple conversion system for smaller and medium-sized stud dimensions optionally available
- ▶ Easily adjustable support legs for differing stud lengths
- ▶ Simple manually adjustable lift setting via a special rotary knob
- ▶ Absolutely 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 to ensure quality assurance procedures

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



Production



Quality



Technology



Design



Stud Manufacture



Quality Management



International Approval



Safety



EC Conformity