

## PH-6A Stud Welding Gun with Magnet Coil



### PH-6A SOYER automatic stud welding gun with magnet coil

#### Description:

Due to its new feed system, the newly developed PH-6A automatic stud welding gun with magnet coil allows the semi-automatic and fully automatic feed of large and oversized welding studs of all types with or without flange. Studs of large dimensions can either be fed manually or fully automatically from the UVR-400 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 RD/FD pins from M8 - M12 and/or 8 - 12 mm in diameter and 10 - 50 mm in length

##### Material:

Steel, stainless steel and heat-resistant steel

##### Welding process:

Short-cycle drawn arc stud welding in the radial-symmetric magnetic field

##### Type of cooling:

Automatic air cooling of the stud holder with simultaneous cleaning

##### Welding and control cables:

3 m highly flexible

##### Total length with support and magnet coil:

340 mm

##### Total height above grip:

200 mm

##### Total width:

80 mm

##### Weight:

2.6 kg, without cables

Subject to technical changes

# Innovative Special Features of the PH-6A Automatic Welding Gun with Magnet Coil

Combined with a simple and practically-oriented operation, the new PH-6A automatic stud welding gun with magnet coil guarantees a maximum of technical performance advantages for the production of high-quality stud welded joints in series production.

Additional performance features of the PH-6A automatic stud welding gun with magnet coil include:

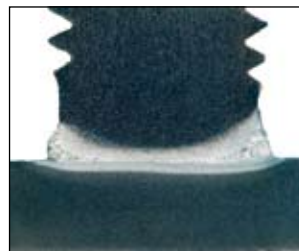
- ▶ Development and production fulfil all prescribed safety targets such as
  - the latest safety and accident prevention regulations (Act on the Safety of Technical Working Equipment)
  - electromagnetic compatibility (EMC Act)
  - European regulations (EU Directives on Machinery)
- ▶ Multifunctional applicability for capacitor discharge, drawn arc and short-cycle drawn arc stud welding when replacing the support with magnet coil by a standard support suitable for the aforementioned conventional stud welding systems
- ▶ 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 and safe retrofitting system for other stud dimensions
- ▶ Easily adjustable support legs for differing stud lengths
- ▶ Simple, manual lift adjustment by means of a special turning 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



Small, regular and spatter-free collar



Reduced penetration



Narrow fusion zone  
No arc blow effect



Low-cost welding studs of premium quality

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



Production



Quality



Technology



Design



Stud Manufacture



Quality Management



International Approval



Safety



EC Conformity