

## PH-3N Stud Welding Gun



The PH-3N stud welding gun allows different welding elements to be welded on metallic workpieces at lightning speed.



### PH-3N SOYER stud welding gun for drawn arc welding

#### Description:

Together with simple and practical operation, the newly developed PH-3N SOYER stud welding gun offers a maximum of technical performance advantages for producing high-quality stud welded joints.

Further advantages are the welding gun's ergonomic and slim shape as well as its low weight and exemplary design. In continuous operation, the PH-3N stud welding gun allows fatigue-proof welding of studs and pins with a maximum diameter of up to 12 mm using shielding gas or ceramic ferrules as auxiliary aid. (For innovative special features, please see over).

#### Technical data:

**Welding range:**

Studs and pins from M3 - M12 or 2 - 12 mm in diameter

**Welding process:**

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

**Material:**

Steel, stainless steel and heat-resistant steel

**Welding sequence:**

up to max. 20 studs/min, depending on dimensions

**Welding and control cables:**

3 m highly flexible

**Total length with****• gas shroud**

approx. 280 mm

**(standard equipment)****• ceramic ring equipment**

approx. 235 mm

**(optional equipment)****Total height above grip:**

138 mm

**Total width:**

65 mm

**Weight:**

1 kg without cables

Subject to technical changes

# Innovative Special Features of the PH-3N Stud Welding Gun

The new PH-3N SOYER stud welding gun is a top-line product with precision mechanics and long-term quality. Due to the compact and extremely slim design, the welding gun is suitable for application in complicated, narrow locations and areas of difficult access. The PH-3N stud welding gun is the ideal supplement to the larger and heavier PH-2L, PH-4L and PH-5L SOYER stud welding guns.

Additional performance features of the PH-3N 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)
- ▶ Multifunctional application for drawn arc and short-cycle drawn arc stud welding
- ▶ Impact- and break-proof whole-body synthetic housing
- ▶ Optimum protection against welding spatters, dirt and other contamination
- ▶ Welding and control cable guide in the handle
- ▶ Support legs can be easily adjusted for different stud lengths
- ▶ Problem-free change of standard baseplate with gas shroud against baseplate with ceramic ferrule equipment
- ▶ Simple, manual lift adjustment by means of a special notched turning knob and readability of set values
- ▶ Very precise stud positioning owing to motional sequences which are free from backlash
- ▶ Long service life and long-term quality owing to wear-free guide bush with ball bearing and special surface-hardened and ground guide piston

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



Production



Quality



Technology



Design



Stud  
Manufacture



Quality  
Management



International  
Approval



Safety



EC  
Conformity