



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 welding joints. Further advantages are the welding gun's ergonomical and slim shape as well as its low weight and exemplary design. In continuous application, 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
Material:	Steel, stainless steel and heat-resistant steel
Welding sequence:	up to 20 studs/min max., depending on dimensions
Welding and control cable:	3 m highly flexible
Total length with gas shroud (standard equipment)	approx. 280 mm
Ceramic ring equipment (optional equipment)	approx. 235 mm
Total height above grip:	138 mm
Total width:	65 mm
Weight:	1 kg without cable

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 completion to the larger and heavier PH-4L and PH-5L SOYER stud welding guns.

Additional performance features of the PH-3N 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)
- ▶ Multi-functional 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 routing in the handle and a special strain relief to avoid parting of cables
- ▶ Support legs can be easily adjusted for different stud lengths
- ▶ Problem-free change of standard foot plate with gas shroud against foot plate with ceramic ferrule equipment
- ▶ Simple, manual lift adjustment by means of a special notched turning knob and readability of setting 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 specially surface-hardened and ground guide piston

SOYER quality products awarded the following prizes for



Production



Quality



Technology



Design



Quality Management



Environmental Management



Safety



EC Conformity