

**A 12**

Stud Welding Gun
for ARC stud welding
according to current standards

Technical Data

Welding range	M3 to M12, dia. 2 to 12 mm
Stud length	10 to 400 mm (depending on tripod)
Stud material	Mild steel, stainless steel
Stud type	Any type or shape (special chucks if required)
Length compensation	3 mm automatic
Stroke	Adjustment range 3 mm, lockable
Spring pressure	Adjustable, arresting
Welding cable	5 m
IP-Code	IP 20
Workplace noise level	Up to 90 dB (A) may occur during welding
Dimension L x W x H	200 x 65 x 140 mm (without cable, with foot piece)
Weight	0.8 kg (without cable)
Order No.	93-20-270 (gun including foot piece) 93-40-021 (tripod gas complete) 93-40-022 (tripod ceramic ferrule (CF) complete)

General Information**Application**

- Especially suitable for thicker metal sheets from approx. 2 mm
- **ISO** – especially suitable for welding on ARC-ISO and Fiberfix pins
- Automatic compensation of length tolerance of welding elements through integrated length adjustment

Process variants

- **Short cycle drawn arc welding**
- **Drawn arc welding** with ceramic ring or shielded gas

Advantages**Structure**

- Rigid casing made of impact-resistant plastic
- Torsion-resistant basic shell (casing) to accommodate all function elements and accessories (e.g. foot ring)
- Zero-play ball linear bearing for guiding the welding piston
- Sealed welding piston guidance
- Ergonomic design
- Compact dimensions



- Integrated lift and spring-loaded adjustment
- Stud length freely adjustable
- Mechanical structure tested in production

Safety

- Lock-in spring adjustment
- Lift lockable
- High level of security to prevent the selected settings being changed inadvertently
- Guidance system protected against spatters

Welding

- Individual adjustment options for optimum welding results
- Reproducible piston movement with minimized rebound effect for optimum welding quality via lift damper
- Optimum handling and fatigue-free operation
- Optimum operation also at places that are difficult to access
- Welding on painted sheets possible (clean, smooth and flat surfaces and grounding required)
- Automatic length compensation

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(Technical data may change)