

**AI 06**

Stud Welding Gun (for insulation)
for ARC stud welding
according to current standards

Technical Data

Welding range	ARC-ISO pins dia. 3 to 6 mm
Pin length	10 to 400 mm (depending on tripod)
Pin material	Mild steel, stainless steel
Pin type	ARC insulation pin, ARC fiberfix pin, ARC threaded stud, ARC pin
Length compensation	3 mm automatic
Stroke	Adjustment range 3 mm, lockable
Spring pressure	Adjustable, arresting
Welding cable	10 m
Insulation class	IP 20
Workplace noise level	Up to 90 dB (A) may occur during welding
Operational and storage conditions	According to current standards
Dimension L x W x H	180 x 65 x 140 mm (without cable, with foot piece)
Weight	0.8 kg (without cable and tripod)
Order No.	93-20-250 (gun including foot piece) 93-40-026 (tripod ISO with support tube) 93-40-066 (tripod ISO with support tube aluminum-teflon)

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)