

**AI 06**

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

Technical Data

Welding range	ARC-ISO pins dia. #4 to 1/4" (dia. 3 to 6 mm)
Pin length	0.39" to 15.74" (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 adjustment	0.12" (3 mm) automatic
Stroke	Adjustment range 0.12" (3 mm), lockable
Spring pressure	Adjustable, arresting
Welding cable	32.81' (10 m)
Insulation class	IP 20
Workplace noise level	Bang > 90 dB (A) may occur during welding
Operational and storage conditions	According to current standards
Dimension L x W x H	7.09" x 2.56" x 5.51" (180 x 65 x 140 mm) without cable, with foot piece
Weight	1.76 lbs (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

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 (e.g. ball bearing guide) 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
- 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)