

**A 12**

**Stud Welding Gun**  
for ARC stud welding  
according to current standards

**Technical Data**

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

**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)