

**A 16**

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

Technical Data

Welding range	Dia. 3 to 16 mm
Stud length	10 to 240 mm (depending on tripod)
Stud material	Mild steel, stainless steel
Stud type	Any type or shape (special chucks if required)
Length compensation	6 mm automatic
Stroke	Adjustment range 4 mm, (0.25 mm steps, arresting)
Damping	Adjustable oildamper
Welding cable	4.85 m, 50 mm ²
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	260 x 74 x 220 mm (without cable, with foot piece)
Weight	2 kg (without cable)
Order No.	93-20-280

General Information**Application**

- Especially suitable for thicker metal sheets from approx. 2 mm
- 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
- Slide bearing for guiding the welding piston
- Sealed welding piston guidance
- Ergonomic design
- Compact dimensions
- Lift adjustment
- Stud length freely adjustable
- Mechanical structure tested in production



Safety

- Lock-in lift adjustment
- 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
- Welding on painted sheets possible (clean, smooth and flat surfaces and grounding required)
- Ideal for high clock sequences with big diameters
- Automatic length compensation
- Damped plunging in the weld pool with installed oil damper

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(Technical data may change)