

**A 16**

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

**Technical Data**

|                                           |                                                    |
|-------------------------------------------|----------------------------------------------------|
| <b>Welding range</b>                      | Dia. 3 to 16 mm                                    |
| <b>Stud length</b>                        | 10 to 240 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 compensation</b>                | 6 mm automatic                                     |
| <b>Stroke</b>                             | Adjustment range 4 mm, (0.25 mm steps, arresting)  |
| <b>Damping</b>                            | Adjustable oildamper                               |
| <b>Welding cable</b>                      | 4.85 m, 50 mm <sup>2</sup>                         |
| <b>Insulation class</b>                   | IP 20                                              |
| <b>Workplace noise level</b>              | Up to 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>                | 260 x 74 x 220 mm (without cable, with foot piece) |
| <b>Weight</b>                             | 2 kg (without cable)                               |
| <b>Order No.</b>                          | <b>93-20-280</b>                                   |

**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)