

**A 16**

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

<b>Welding range</b>	Dia. #4 to 5/8" (dia. 3 to 16 mm)
<b>Stud length</b>	0.39" to 9.45" (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>	0.24" (6 mm) automatic
<b>Stroke</b>	Adjustment range 0.16" (4 mm), (0.01" (0.25 mm) steps, arresting)
<b>Damping</b>	Adjustable oildamper
<b>Welding cable</b>	15.91', 1/0 (4.85 m, 50 mm <sup>2</sup> )
<b>IP-Code</b>	IP 20
<b>Workplace noise level</b>	Up to 90 dB (A) may occur during welding
<b>Dimension L x W x H</b>	10.24" x 2.91" x 8.66" (260 x 74 x 220 mm) without cable, with foot piece
<b>Weight</b>	4.41 lbs (2 kg) without cable
<b>Order No.</b>	<b>93-21-280</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

Issue 02/11  
(Technical data may change)