

**A 12**

Stud Welding Gun
for ARC stud welding
according to current standards

Technical Data

Welding range	#4 to 1/2", dia. 14 ga to 1/2" (M3 to M12, dia. 2 to 12 mm)
Stud length	0.39" to 5.91" (10 to 150 mm) depending on tripod longer studs (> 5.91" (150 mm)) can be welded with optional accessories
Stud material	Mild steel, stainless steel
Stud type	Any type or shape (special chucks if required)
Length compensation	0.12" (3 mm) automatic
Lift	Adjustment range 0.12" (3 mm), lockable
Spring pressure	Adjustable, arresting
Welding cable	15.7 ft, 0.0543 in ² (4.8 m, 35 mm ²)
IP Code	IP 20
Workplace noise level	Up to 90 dB (A) may occur during welding
Dimension L x W x H	7.87" x 2.56" x 5.51" (200 x 65 x 140 mm) without cable, with tripod leg guidance
Weight	1.76 lbs (0.8 kg) without cable, 7.055 lbs (3.2 kg) with cable
Order No.	93-20-270 (Welding gun including tripod leg guidance) 93-40-022 (Ceramic tripod PSC-1) 93-40-021 (Shielding gas tripod PSS-2) 93-40-026 (ISO tripod PSI-3)

General Information**Application**

- Especially suitable for thicker metal sheets from approx. 2 mm
- **ISO** – especially suitable for welding on ARC-ISO and Fiberfix pins
- 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
- Torsion-resistant basic shell (casing) to accommodate all function elements 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 via lift damper
- 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

Issue 11/15
(Technical data may change)