



MARC 1 A

Manual Pad Welding System (Air cooled)
for pad welding with rotating arc

Technical Data

Welding range	M6 to M10 (pad)*
Welding material	Stainless steel, steel (on request)
Welding rate	4 pieces/min**
Wall thickness	Up to 2.5 mm***
Welding current	1,000 A (max.)
Welding time	5 to 1,000 msec (stepless)
Primary power	400 V (alternative input voltages available), 32 A, 3 phases, 50/60 Hz, 35 AT (IT 1002)
Power source	Inverter
Field former unit	Not controlled
Protection class	IP 23
Dimension L x W x H	660 x 280 x 340 mm (IT 1002) without handle
Weight	29 kg (IT 1002)

* due to a possible replacement of the manual welding gun, the unit is also suitable for manual stud welding
 ** depending on pad diameter and material
 *** higher wall thickness on request

Order No.

MARC1.A

Consists of:

Stud welding unit IT 1002
 Ground cable
 Welding gun AM 30 A
 Field former FA1 (equipped for one standard dimension)
 Shielding gas tripod MARC1.A/MARC1.W

General Information

Application

- Welding of threaded pads and welding nuts
- Welding on punched and unpunched sheets
- Especially suited for shop and installation applications

Options

- Gas control module 2-channel



Advantages

Description

- Low energy consumption
- Even and minimal heat input (low distortion)
- Very short welding time (≤ 1 second) and consequently short cycle time in production
- No welding additives required
- Minimum upset force
- Small and even welding seam
- Only one-sided accessibility to the work piece required
- Low investment costs for machine technique
- Extremely clean process (minimum development of airborne particles)
- No reworking of work piece or welding element (thread)

Issue 12/08
(Technical data may change)