



Stud welding in radially symmetrical magnetic fields (SRM)



Low-cost welding studs of premium quality



Welded joint has a very high load-carrying capacity

Stud welding in radially symmetrical magnetic fields (SRM)

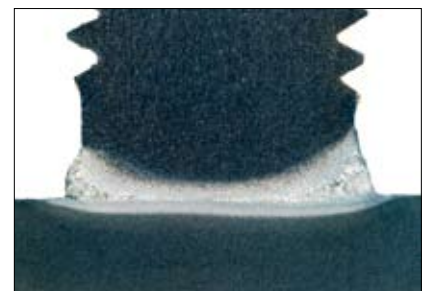
Stud welding in radially symmetrical magnetic fields (SRM, Patent No. 10 2004 051 389) has been developed by combining the advantages of capacitor discharge welding with those of short-cycle drawn arc welding. The new SRM stud welding technology uses a magnetically impelled arc that allows for an optimal support of the weld pool when welding with a one-sided or unbalanced earth connection. This trend-setting innovation can be easily automated and is extremely cost-effective.



Reduced penetration

Technical data

| | |
|------------------------------|--|
| Dimensions: | Threaded studs and pins from M8 - M16 or 8 - 14 mm in diameter |
| Material: | Steel and stainless steel |
| Welding process: | SRM and short-cycle drawn arc stud welding |
| Field of application: | Mobile and stationary use |
| System components | |
| - Source of energy: | BMK-16i stud welder |
| - Stud feed: | UVR-300 universal feeder |
| - Stud welding gun: | PH-3A (SRM) |
| - Stud welding head: | SK-5AN (SRM) |



Narrow fusion zone. No arc blow effect

Fax Reply

To: **Heinz Soyer
Bolzenschweißtechnik
GmbH**

Attn.: Oliver Pohlus
(Export Manager)

Tel. No.: +49 8153 885-231 or
-131

Fax No.: +49 8153 885-221

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We request that you

- arrange a non-binding specialist consultation/demonstration
- send us detailed product information on the following subject:

SRM system components

The BMK-16i stud and nut welder and the PH-3N SRM stud welding gun furnished with a magnetic coil are the vital components of the new SRM stud welding technology developed by SOYER.

The SRM welding process has made it possible for the very first time to produce high-quality welds for security-relevant applications using thick studs with diameters up to M16 on thin sheet metal.

The ratio between minimum sheet thickness and stud diameter is nearly 1:10. The cost-effective SRM welding process allows homogenous, inseparable and absolutely tight welded joints to be produced. It can be easily automated, ensures complete fusion across the stud flange and prevents damage to the sheet metal.

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BMK-16i stud and nut welder



PH-3N SRM stud welding gun



DIN EN ISO 14001:2005

DIN EN ISO 14001:2005

2008 Top Employer

2009 Top Innovator

1.4301, 1.4303, 1.4401, 1.4404, 1.4541, 1.4571, Z30.3-6

DIN EN ISO 13918
Type PD, RD, LD, FD, IT, PT, UT, MD, RD, ID
Material: Stahl 4.8
schweißgeeignet
AlMg3

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DVS ZERT
DIN EN ISO 9001:2000

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