

Product information  
Capacitor discharge and  
short-cycle drawn arc stud welding



## BWS-1 Quick-Change System

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### **BWS-1 SOYER quick-change system for M3, M4, M5, M6, Ø 7.1 and M8 studs, with semi- and fully automatic stud feed**

#### **Description:**

The BWS-1 SOYER quick-change system contains a complete conversion kit consisting of drive piston, automatic stud holder and feed tube for semi- and fully automatic stud feed in all SOYER automatic guns and automatic welding heads. For welding different M3, M4, M5, M6, Ø 7.1 and M8 studs, only three components of the respective conversion kit must be changed. Conversion is carried out easily and very quickly. Fully automatic feed of the above mentioned six different stud sizes into the welding gun or the welding head is achieved by a patented high-speed stud escapement system (Patent No.: DE 199 34 209 C2) from the UVR-300 or UVR-300S SOYER universal feeder.

#### **Technical data:**

#### **Scope of application:**

Studs and pins from 3 - 8 mm in diameter and 6 - 40 mm in length, with or without flange, in accordance with DIN EN ISO 13918 (other dimensions on request)

#### **Required components for semi- and fully automatic stud feed:**

1 stud holder  
1 drive piston  
1 feed tube  
1 spacer set  
(Please indicate stud length and stud diameter with your order)

Subject to technical changes

# Innovative Special Features of SOYER accessories

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SOYER accessories have been universally developed for all stud welding processes and are subject to the same strict quality assurance standards as all other SOYER products. The accessory components described below are only a small sample of the extensive SOYER product range.

For further details, please refer to the product information of the respective SOYER accessories.

- ▶ The BWS-1 SOYER quick-change system allows the simple and rapid conversion of stud welding guns and welding heads to different stud diameters.
- ▶ The mechanical DMS-1 SOYER torque wrench allows you to test turning and bending moments of stud welded joints in a safe, reliable and non-destructive manner.
- ▶ The GW-1 and GW-2 SOYER tool and gear wagons enable the mobile installation of stud welding devices in an ergonomically beneficial working position and are the optimum solution for properly storing accessories in close vicinity to the workplace.

SOYER top-of-the-range products awarded the following prizes for



Production



Quality



Technology



Design



Stud Manufacture



Quality Management



International Approval



Safety



EC Conformity