



Operating instructions

EWS UNIVERSAL MOUNTING BLOCK UMB 100 AND EWS MW SERIES MOUNTING AID ADAPTERS

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EWS
Tool Technologies

EWS UNIVERSAL MOUNTING BLOCK UMB100 AND EWS MW SERIES MOUNTING AID ADAPTERS

Dear customers,

By purchasing the EWS universal mounting block UMB100 and the EWS mounting aid adapters MW series you have made a good choice and we want to thank you for your confidence in us.

Our tooling systems and accessories are designed according to the machine specifications and manufactured with high precision using state-of-the-art production units.



General notes:

In order to maintain the high quality of your UMB100 and of the MW series for as long as possible, there are some important points to observe.

If you have any questions, you are also welcome to contact our sales and service staff.

Operating instructions

Please carefully read through and follow the operating instructions. Keep the documentation permanently at the place of use of the UMB100 and MW series for the entire service life of the product. Use these operating instructions to familiarise yourself with the product, its correct use and the safety instructions. Ensure that all persons involved with the UMB100 and the MW series are aware of this documentation.

Intended use

The universal mounting block UMB100 in conjunction with original EWS MW series mounting aid adapters may only be used to carry out assembly work on tool holders outside of processing machines. It must not be used for any other purpose, is delivered in assembled condition and can be used directly after being fixed to a work table.



Danger

The user is liable in the event of improper use.

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1. SAFETY

Children and young people under the age of 16 as well as persons who are not familiar with these operating instructions must not use the product. Persons with reduced physical or mental abilities may only use the product if they are supervised or instructed by a competent person. Never use the product when tired, ill or under the influence of alcohol, drugs or medicines.

General safety and information labelling



DANGER

Imminent danger that will absolutely lead to serious bodily injury or death.



WARNING

Imminent danger that can lead to serious bodily injury or death.



CAUTION

Dangerous situation that may result in minor to moderate bodily injury.



NOTE

Important information as a requirement, the observance of which is necessary for the correct use of the product and the safety of the operator.

In addition, of course the general accident prevention regulations, legal requirements, the duty to exercise care when handling the UMB100 and the MW series as well as the observance of environmental protection also apply.

WARNING

Risk of injury from:



- **Insufficient stability of the UMB100**

- Screw the UMB100 onto a tabletop so that it is stable and sturdy.

- **Push button pops up due to spring relief**

- **Mounting aid adapters fall off during set-up or tool holders fall off during clamping**



- Handle with care when operating.
- Partly completed machinery, its components and its equipment must be sufficiently stable to prevent overturning, falling or an uncontrolled change in position during transport, assembly, dismantling and any other operation.
- Wear safety shoes.

- **Tools clamped during assembly work (e.g. drills)**

- Always use protective caps over tools to avoid abrasions.
- If necessary wear suitable personal protective equipment (PPE).



- **Slipping, tripping or falling due to elements such as cables, hoses or other elements in one's range of movement**

- Lay and fix cables, hoses or other elements outside of the range of movement.

- **Misuse**

- It is essential to read the operating instructions before use and keep them available at all times.
Exclude any other type of use or misuse.
Always comply with the relevant specifications.
- The UMB100 and the MW series must never be installed in or attached to a processing machine.

**WARNING**

Danger from use of the incomplete machine in an unsuitable environment.

Ambient conditions: clean, dry, frost-free, well ventilated, non-EX, industrial area

Storage and operation: independent of temperature

**NOTE**

Structural changes to the UMB100 and MW series must not be made without the written consent of EWS Weigele GmbH & Co. KG.

2. SCOPE OF DELIVERY

- The scope of delivery includes the basic structure of the UMB100.
- MW series mounting aid adapters are selected according to the interfaces of the tool holders to be mounted and ordered separately.
- The screws required for mounting the UMB100 on the worktable and tools (e.g. Allen keys) must be provided by the customer.



3. FEATURES

- With the UMB100 and the MW series, tool holders can be mounted securely, flexibly and position-oriented.
- The MW series mounting aid adapters can be changed quickly.
- It only takes a few seconds to replace an adapter.
- They are also ideally suited for multi-tasking machines.
- The unit can be swivelled 4x 90° in both directions and locked at the touch of a button. This means that straight or angled tool holders can always be mounted in the ideal position.

4. COMMISSIONING

- Unpack the UMB100, check it for completeness and report any transport damage immediately to EWS Weigle GmbH & Co. KG.
- Before use, the UMB100 must be mounted stably on a tabletop at least 60 mm thick using suitable screws (not included in the scope of delivery).
- For this purpose, there are four through-holes Ø11 mm in the flange at a square distance of 100 mm apart. Align the UMB100 so that the flat portion of the flange is flush with the edge of the plate. The usual height of the worktable is in the range of 850 mm to 1050 mm above the floor.



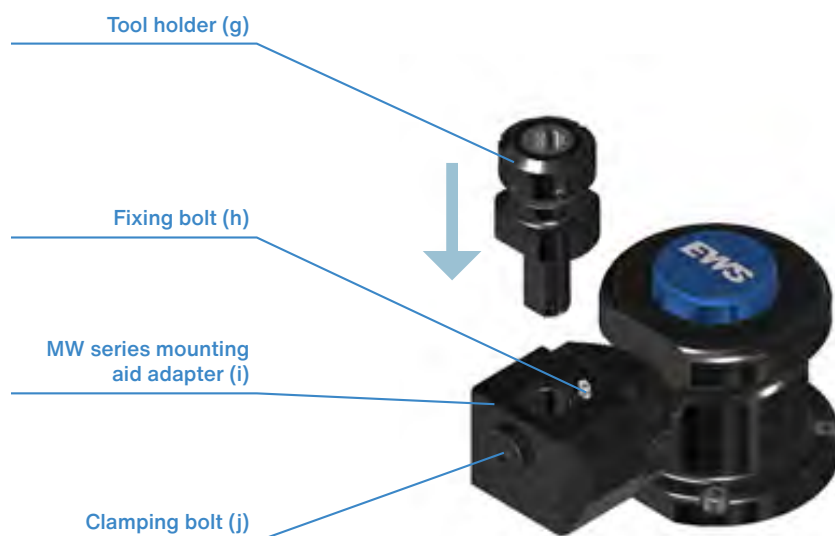
- Check the UMB100 for damage before each use.
- If damaged, the UMB100 must not be used.
- Make sure that the contact surfaces of the UMB100 are clean.
[see chapter 6. Care, maintenance and service](#)

5. GENERAL DESCRIPTION, FUNCTION AND OPERATION

Basic structure of the UMB100



Example UMB100 with MW series mounting aid adapter and VDI tool holder



The EWS UNIVERSAL-MONTING BLOCK UMB100 is firmly bolted outside of processing machines on a stable, stationary table top through the flange (e) and is intended for assembly work on tool holders.

To do this, insert an MW series mounting aid adapter (i) corresponding to the interface of the tool holder (g) (e.g. VDI30) into the holder (a) of the UMB100 up to the stop (b) and clamp it with the clamping screw (f). This requires an Allen key with a width across flats of 6 (not included in the scope of delivery).

The tool holder (g) is accommodated in the MW series mounting aid adapter (i) and also clamped by the clamping bolt (j) or other fastening options.

An anti-rotation device is available in different versions for the tool holders on all MW series mounting aid adapters. In the example it is a fixing bolt (h).

**Caution**

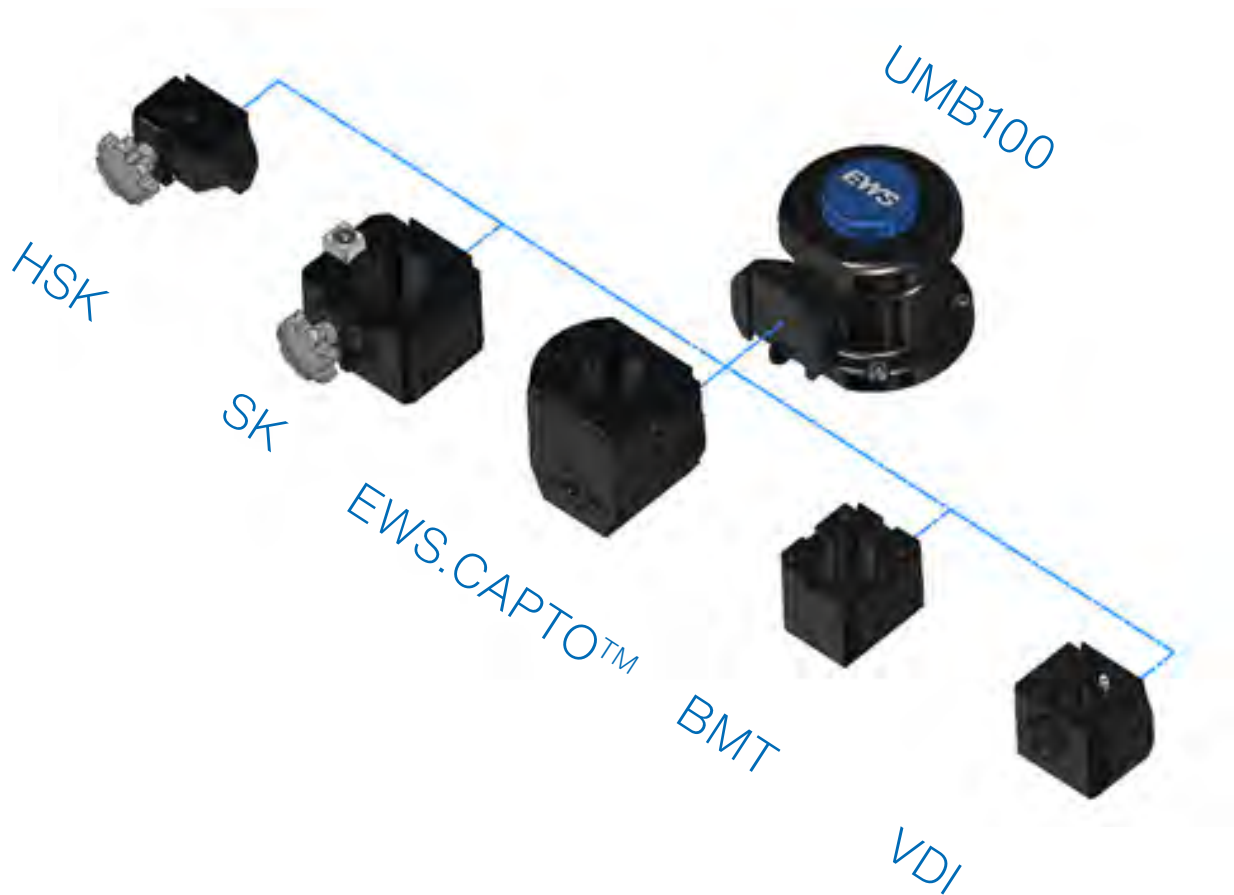
To work safely in the horizontal and vertical position, the push button (c) must be released or the holder (a) must be engaged and the mounting aid adapter (i) and the tool holder (g) must be clamped.

Only original EWS mounting aids may be used.

Mounting aid adapters from other manufacturers may not be suitable and may cause damage to the UMB100 and tool holders.

TIP: Mounting aid adapters are available for a wide range of interfaces in the EWS-ONLINE CATALOGUE www.ews-tools.de/OnlineCatalogue (Search term: MW%) or contact the EWS sales department. Other MW series mounting aid adapters can also be supplied on request.

A selection of different MW series mounting aid adapters



6. CARE, MAINTENANCE AND SERVICE

- Care: Clean only with a cleaning cloth. Never use compressed air or cleaning agents. Spray the UMB100 and the MW series occasionally with spray oil to prevent corrosion.
- Maintenance: The UMB100 and the MW series are maintenance-free for the user. For the replacement of wear parts and for lubrication, the UMB100 must be returned to EWS Weigele GmbH & Co. KG.
- Service case: In case of defects of any kind, contact the EWS service staff.

The EWS service department can be reached at:

EWS Weigele GmbH & Co. KG

Tel +49(0)7161-93040-700

Fax +49(0)7161-93040-30

E-mail service@ews-tools.de

7. STORAGE, TRANSPORT AND DISPOSAL

Always store and transport EWS products in a clean, dry and frost-free place. Proper storage is guaranteed under the following conditions:

Temperature	Max. temperature fluctuation	Humidity
6-25 °C	10 °C	< 65 %



Constant vibrations or strong shocks must be avoided.

Do not dispose of these products with normal household waste.

Please contact our service department or return the unit to us for disposal at the end of its service life.

8. SERVICE / WARRANTY

Services

- Professional, fast repair by our service team
- Competent advice from our service department in the event of faults



NOTE

In the event of a warranty claim, please contact our service department.

The EWS service department can be reached at:

EWS Weigele GmbH & Co. KG

Tel +49(0)7161-93040-700

Fax +49(0)7161-93040-30

E-mail service@ews-tools.de

- The warranty period is 1 year.
- The shipping date at EWS is decisive.
- The warranty does not cover wear parts such as seals, etc. and any consequential damage caused by them.
- The service life of EWS products depends largely on the corresponding runtime and application.
- The warranty covers all significant defects that can be proven to be the result of material or production faults.

The warranty shall expire in the event of:

- Conversions / alterations / repairs not carried out by EWS or not approved in writing
- Use of non-original EWS mounting aid adapters
- Improper and inappropriate set-up, maintenance and operation
- Force majeure
- Damage due to non-observance of the operating instructions

9. TECHNICAL SPECIFICATIONS

- **Dimensions (length x width x height):** approx. 201.5 x 160 x 145 mm
(only UMB100 without mounting aid adapter)
- **Weight:** approx. 14.6 kg (only UMB100 without mounting aid adapter)
- **Load capacity:** max. 30 kg
- **Operating temperature:** 5-40 °C
- **EC/EU Declaration of Incorporation for partly completed machinery (original) in the sense of the Directive 2006/42/EC Annex II B**
For the UMB100 and MW series (partly completed machinery) see separate documents.



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