



EN

Retrofit option

ON Holder Gas Bottle <50L F.0001/F.0005

099-002151-EW501

Observe additional system documents!

14.05.2019

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General instructions

WARNING



Read the operating instructions!

The operating instructions provide an introduction to the safe use of the products.

- Read and observe the operating instructions for all system components, especially the safety instructions and warning notices!
- Observe the accident prevention regulations and any regional regulations!
- The operating instructions must be kept at the location where the machine is operated.
- Safety and warning labels on the machine indicate any possible risks. Keep these labels clean and legible at all times.
- The machine has been constructed to state-of-the-art standards in line with any applicable regulations and industrial standards. Only trained personnel may operate, service and repair the machine.
- Technical changes due to further development in machine technology may lead to a differing welding behaviour.

In the event of queries on installation, commissioning, operation or special conditions at the installation site, or on usage, please contact your sales partner or our customer service department on +49 2680 181-0.

A list of authorised sales partners can be found at www.ewm-group.com/en/specialist-dealers.

Liability relating to the operation of this equipment is restricted solely to the function of the equipment. No other form of liability, regardless of type, shall be accepted. This exclusion of liability shall be deemed accepted by the user on commissioning the equipment.

The manufacturer is unable to monitor whether or not these instructions or the conditions and methods are observed during installation, operation, usage and maintenance of the equipment.

An incorrectly performed installation can result in material damage and injure persons as a result. For this reason, we do not accept any responsibility or liability for losses, damages or costs arising from incorrect installation, improper operation or incorrect usage and maintenance or any actions connected to this in any way.

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Dr. Günter-Henle-Strasse 8
56271 Mündersbach Germany
Tel.: +49 2680 181-0, Fax: -244
Email: info@ewm-group.com

www.ewm-group.com

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1 For your safety

1.1 Safety instructions

WARNING



Do not carry out any unauthorised repairs or modifications!

To avoid injury and equipment damage, the unit must only be repaired or modified by specialist, skilled persons!

The warranty becomes null and void in the event of unauthorised interference.

- Appoint only skilled persons for repair work (trained service personnel)!



Risk of accidents due to non-compliance with the safety instructions!

Non-compliance with the safety instructions can be fatal!

- Carefully read the safety instructions in this manual!
- Observe the accident prevention regulations and any regional regulations!
- Inform persons in the working area that they must comply with the regulations!

These supplementary sheets must be used in conjunction with the appropriate standard operating instructions for the described product! These supplementary sheets expand or replace one or more chapters of the same name(s) in the standard description.

Read and observe the operating instructions for all system components, especially the safety instructions!

2 Intended use

2.1 General

WARNING



Hazards due to improper usage!

The machine has been constructed to the state of the art and any regulations and standards applicable for use in industry and trade. It may only be used for the welding procedures indicated at the rating plate. Hazards may arise for persons, animals and material objects if the equipment is not used correctly. No liability is accepted for any damages arising from improper usage!

- The equipment must only be used in line with its designated purpose and by trained or expert personnel!
- Do not improperly modify or convert the equipment!

2.2 Applications

These conversion instructions describe the retrofitting of an additional cylinder holder for shielding gas cylinders with 10 to 25 litre content.

These conversion instructions apply to the following welding machines only:

- Tetric 351, -451, -551 DC
- Tetric 351 AC/DC
- Tarus 351, -451, -551
- Phoenix 351, -451, -551
- Wega 401
- TETRIX 301, -351; -421; -521 DC
- TETRIX 351; AC/DC
- PHOENIX 351; 401; 421
- WEGA 351; 401; 451

2.3 Short description of the working steps required

- Install the option
- Perform final inspection

3 Conversion

3.1 Re-equipment set

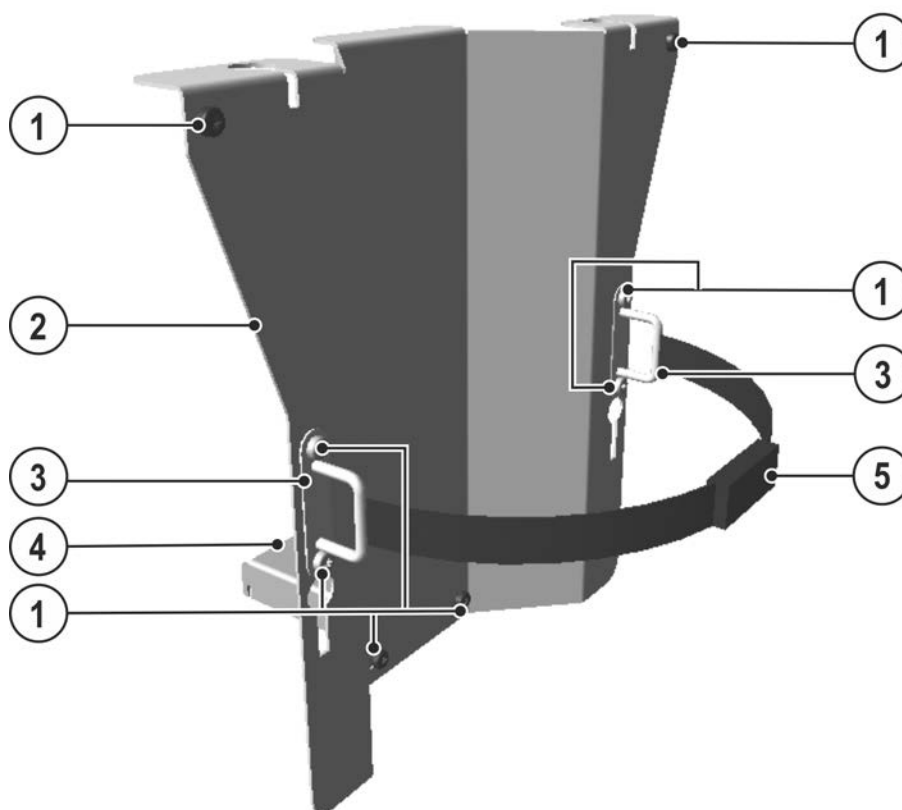


Figure 3-1

Item	Quantity	Description	Item number
1	8	threaded grooved pin M5 x 10 mm	094-015134-00000
2	1	Cylinder holder panel	094-010795-00001
3		Cramps	
4	1	Plate bracket fixing	094-010795-00001
5	1	Clamping belt	094-007980-00000

3.2 Preparations

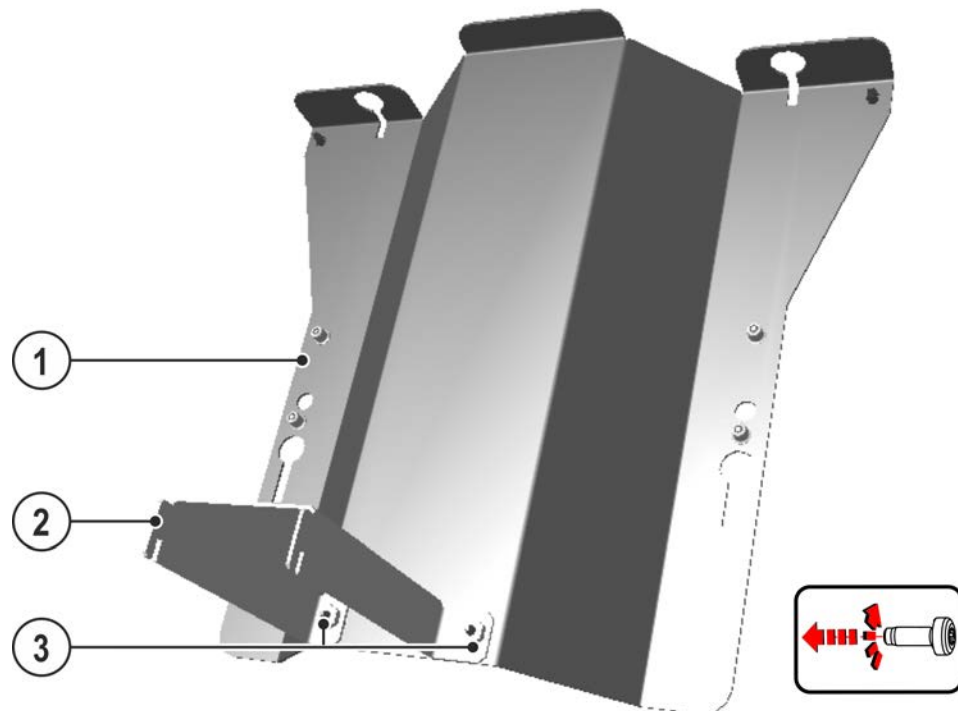


Figure 3-2

Item	Quantity	Description	Item number
1	1	Cylinder holder panel	094-010795-00001
2	1	Plate bracket fixing	094-010795-00001
3	2	threaded grooved pin M5 x 10 mm	094-015134-00000

- Screw the plate bracket fixing onto the cylinder holder panel using two threaded grooved pins (M5 x 10mm) as shown in the diagram.

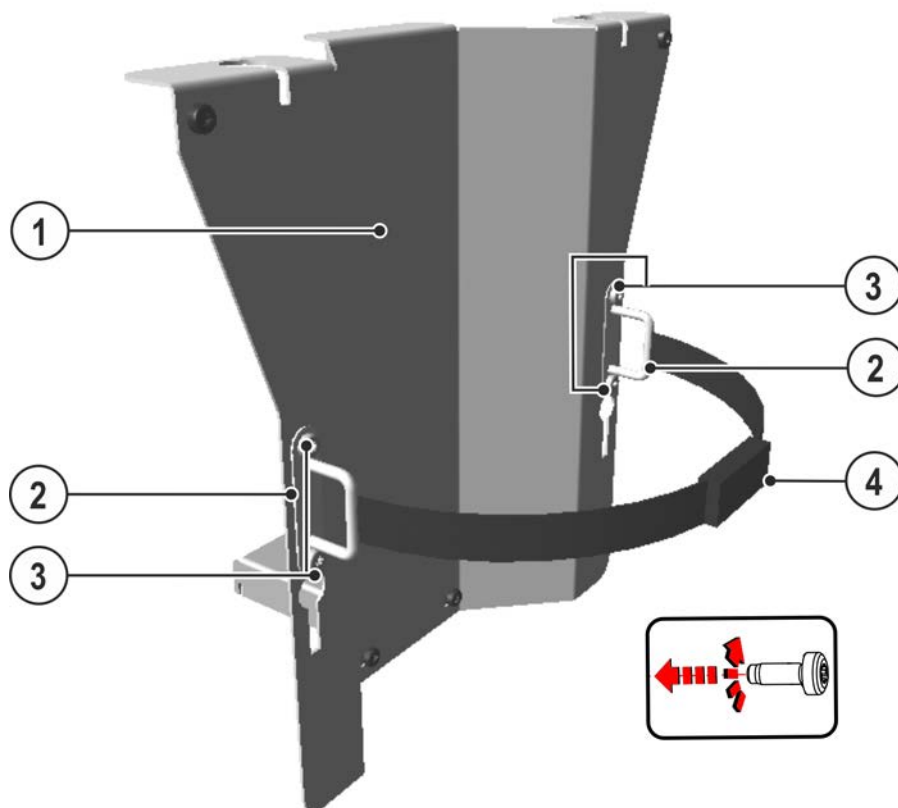



Figure 3-3

Item	Quantity	Description	Item number
1	1	Cylinder holder panel	094-010795-00001
2		Cramps	
3	4	Threaded grooved pin M5 x 10	094-015134-00000
4	1	Clamping belt	094-007980-00000

- Screw two "cramps" onto the "cylinder holder panel" using two threaded grooved pins in each case (M5 x 10mm) as shown in the diagram.

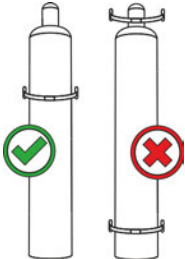
3.3 Fixing onto the welding machine

⚠ WARNING



Risk of injury due to improper handling of shielding gas cylinders! Improper handling and insufficient securing of shielding gas cylinders can cause serious injuries!

- Place shielding gas cylinder into the designated holder and secure with fastening elements (chain/belt)!
- Attach the fastening elements within the upper half of the shielding gas cylinder!
- The fastening elements must tightly enclose the shielding gas cylinder!



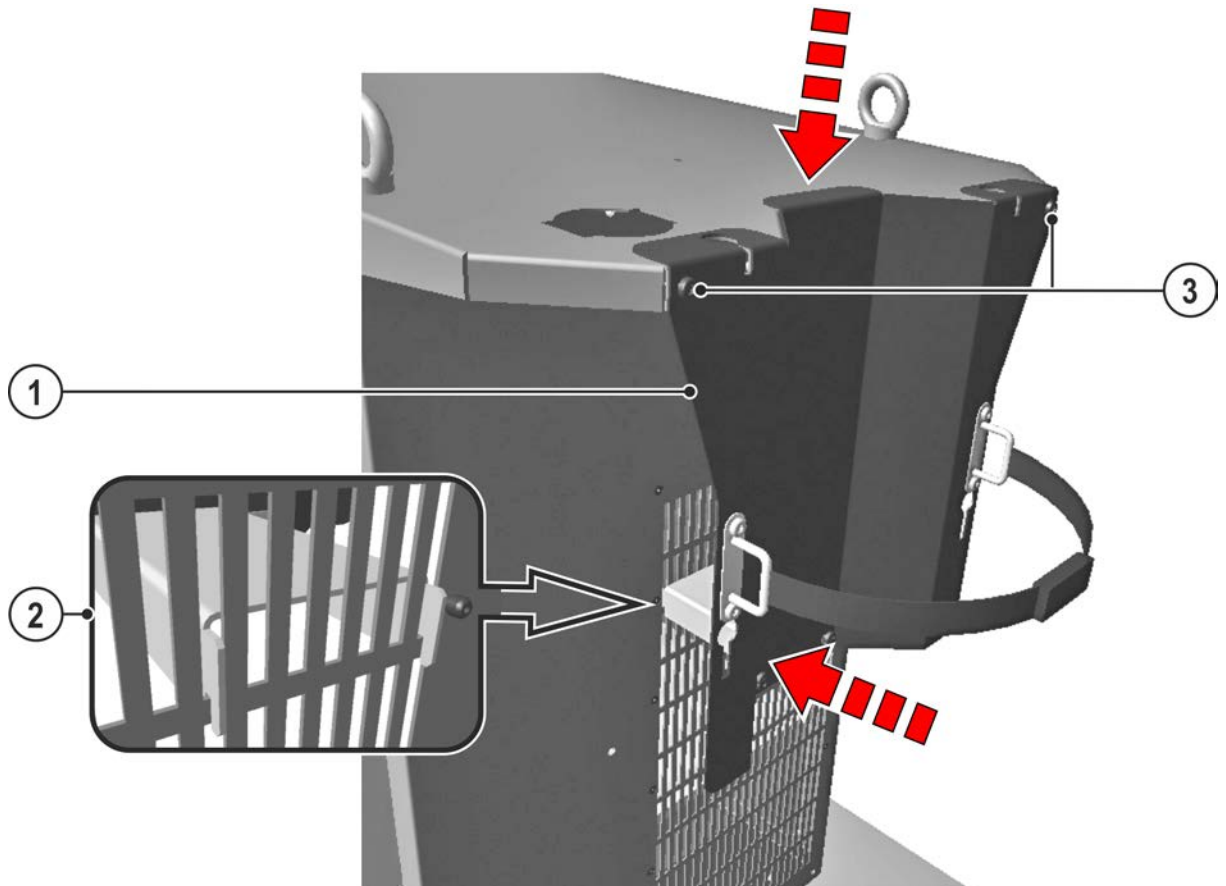


Figure 3-4

Item	Quantity	Description	Item number
1	1	Cylinder holder panel	094-010795-00001
2	1	Rear machine panel (cooling air outlet)	
3	2	threaded grooved pin M5 x 10 mm	094-015134-00000

- Attach the shielding gas holder to the rear machine panel (cooling air outlet).

The shielding gas cylinder holder must be inserted into the cooling fins on the rear casing panel and aligned carefully over the existing bores and cut-out sections on the casing cover!

- Screw the cylinder holder panel onto the casing cover using two threaded grooved pins (M5 x 10mm) as shown in the diagram.

3.4 Final inspection

WARNING



Danger due to failure to carry out the final inspection!

Parts that are incorrectly fitted or that become loose are a source of danger.

- Check all mechanical connections to ensure that they are fitted correctly!
- Carry out the final inspection!
- Carry out the functional test!

Keep the conversion instructions with the machine documentation!

When ordering spare parts, ensure that the item number and serial number of the machine are quoted!