

Operating manual **Type 4A automatic tipping container** **Type S4A automatic swarf container**

Introduction

This operating manual must be read carefully by all operating personnel before commissioning, and should always be available in the location where the container is used.

The operating instructions contain important information on avoiding hazards and operating the containers in a safe, proper and economical manner.

The container has been manufactured in accordance with DGUV regulation 68.

Intended use

The container is an accessory device for a forklift, which is intended for collecting, transporting and tipping out bulk materials.

If the container should malfunction, it must be taken out of service immediately.

Inspection before first commissioning

The container is ready for immediate use.

Inspection before commencing work

A visual inspection of the container for cracks and heavy wear must be performed.

A functional inspection must be carried out when the unit is empty.

Using the tipping container/swarf container

The stipulated loading capacity (see table 1) is the maximum load, and must not be exceeded. Do not exceed the combined loading capacity of the forklift and attachment.

The operator must wear safety shoes and gloves.

The tipping process may only be initiated once the container has been collected by the forklift and secured with the automatic safety device.

The operating position must be occupied during lifting and tipping operations. When closing the lid there is a risk of shearing and crushing; do not hold any parts of the body between the container and its lid.

Table 1

Container type	Load-bearing capacity
4A 600	1000 kg
4A 900	1000 kg
4A 1200	1500 kg
S4A 600	1000 kg
S4A 900	1000 kg
S4A 1200	1500 kg

Item	Name
1	Fork pocket
2	Automatic safety device
3	Lock
4	Guide plate
5	1. Unlocking point Square-section tube
6	2. Unlocking point Limit stop
7	3. Unlocking point Limit stop
8	Unlocking
9	Lid catch
10	Drain cock

Type 4A automatic tipping container
Fig.1



Type S4A automatic swarf container
Fig.2

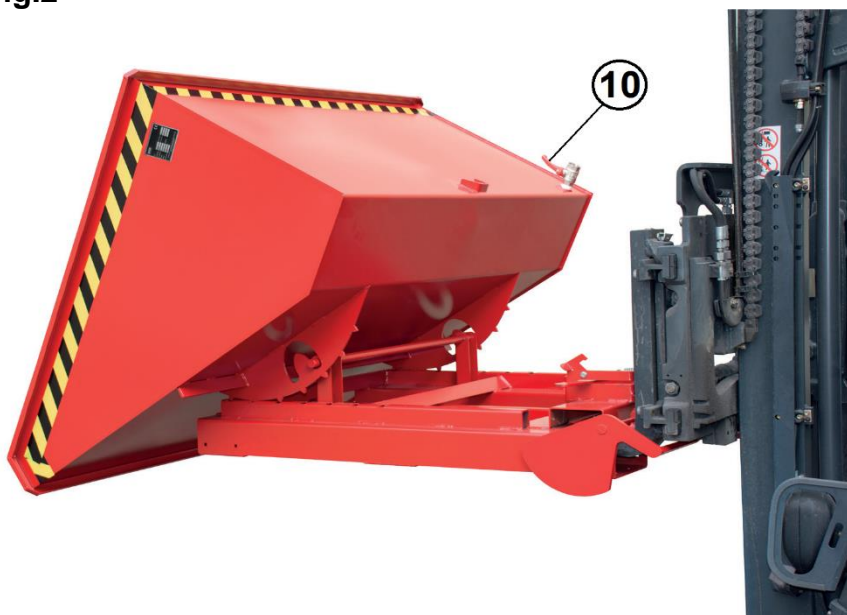


Fig. 3

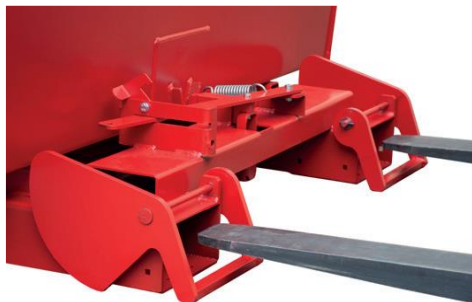


Fig. 4



Fig. 5

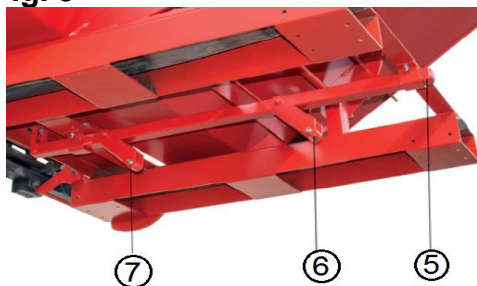


Fig.6

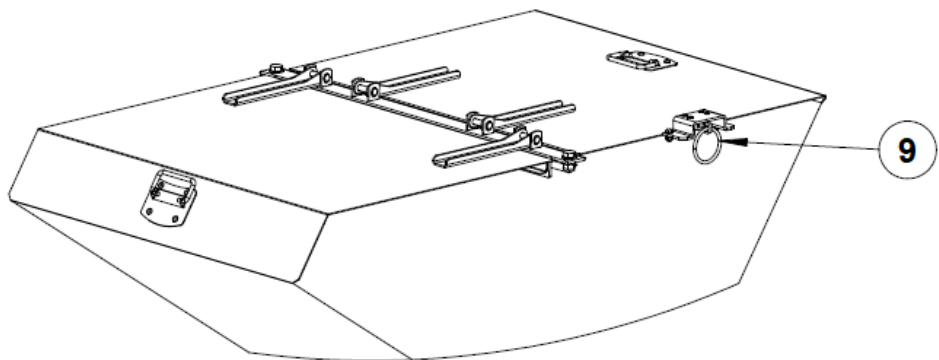
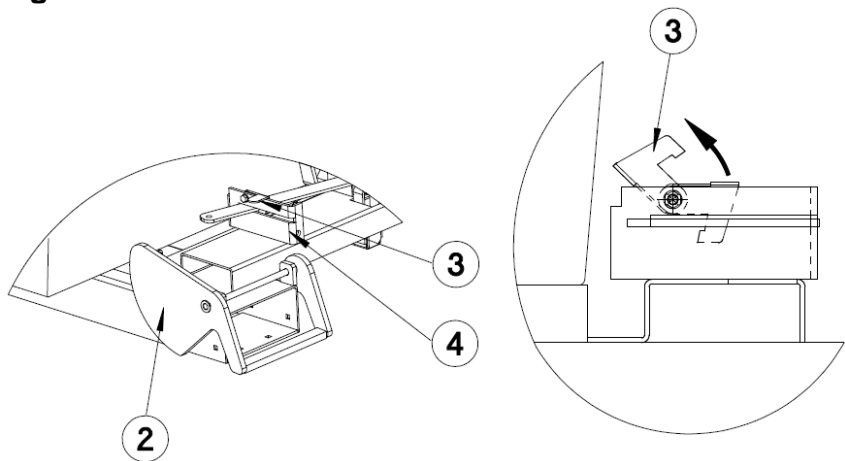


Fig.7



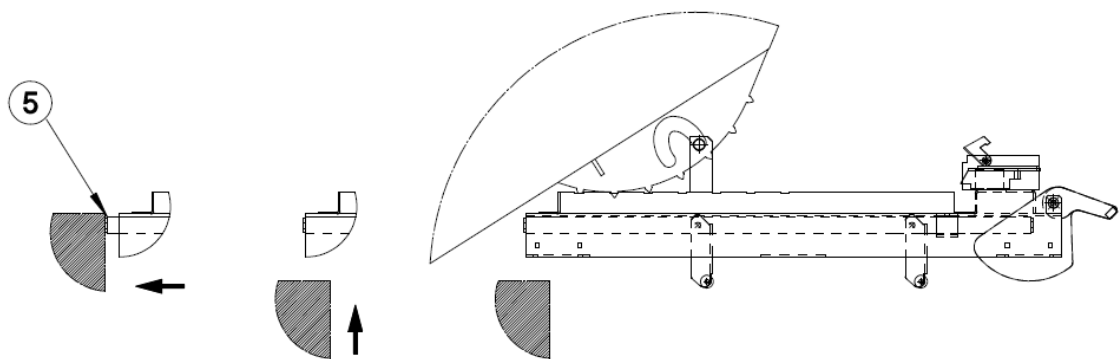
Operating sequence:

1. For swarf containers (Fig.2): Before transport, open the drain cock (Item 10) early and allow the liquid to separate into a container. Close the drain cock (Item 10) before starting transport.
2. On containers with lids, fold up the front section of the lid and secure with the lid catch (Item 9) (see Fig.6).
3. The forklift's lifting mast must always be vertical.
4. Adjust the forks (tines) on the forklift to the distance between the forklift pockets. Insert the forks all the way into the fork pockets (Item 1) provided on the container (see Fig. 3).
5. Lift the container with the lifting frame on the forklift. The automatic safety device (Item 2) engages behind the back of the fork (see Fig. 4).
6. Drive the container to the place of use.
7. Immediately before emptying, turn the lock (Item 4) off the guide plate (Item 4) (see Fig.7).
8. Lift the container up to the desired height.

Unlocking option A Fig. 8

9. Using the 1st Unlocking point, drive up to the large container so that the square-section tube (Item 5) makes contact with the large container at its top edge.
10. The unlocking (Item 8) is triggered and as the container trough is tipping, lift the lifting frame and drive forwards with the stacker.

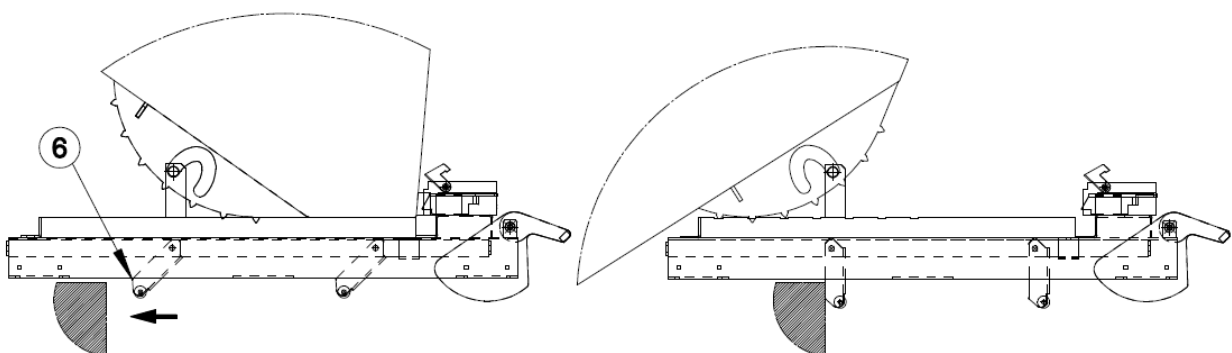
Fig.8



Unlocking option B Fig. 9

9. Using the 2nd unlocking point, drive the limit stop (Item 6) so that it makes contact with the large container at its top edge.
10. The unlocking (Item 8) is triggered and as the container trough is tipping, lift the lifting frame and drive forwards with the stacker.

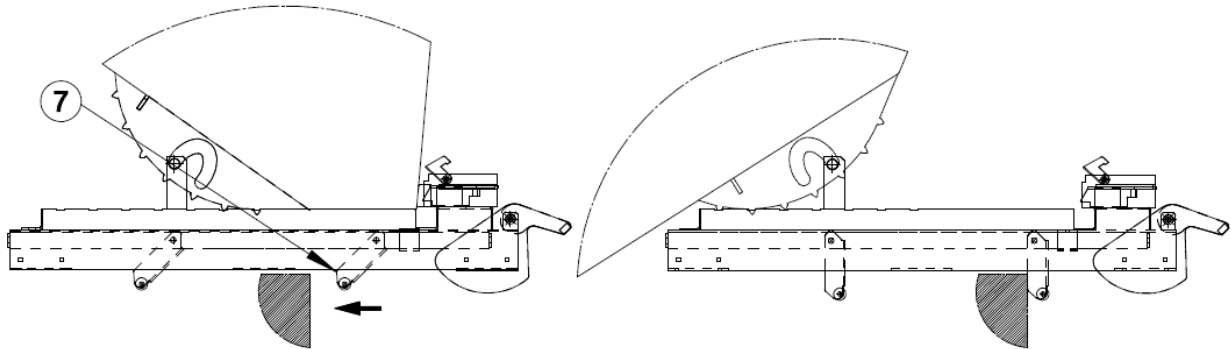
Fig.9



Unlocking option C Fig. 10

9. Using the 3rd unlocking point, drive the limit stop (Item 7) so that it makes contact with the large container at its top edge.
10. The unlocking (Item 8) is triggered and as the container trough is tipping, lift the lifting frame and drive forwards with the stacker.

Fig. 10



11. Once the container has emptied completely, swivel the container back into loading position and place it on the ground.
12. Place the lock (Item 3) over the release lever (Item 4).
13. Lift the container, drive back to the storage place and lower the lifting frame.
The automatic safety device (Item 2) is released.
14. Pull the forks out of the fork pockets (Item 1) by reversing the forklift.

Improper use

Carrying people in the container is prohibited.

Only tip the container out if it is attached to a forklift.

When the container is tipped out, there should be no-one in the tipping area.

No modifications may be made to the container.

The load bearing capacity must not be exceeded.

Failure to abide by this information poses a risk of injury!

Inspection and maintenance

The container is maintenance-free.

Most of the inspections are visual inspections and function checks, which involve assessing the condition of the container for damage, wear, corrosion and other changes.

Repairs which do not affect the design or stability may be performed by the owner, otherwise a specialist firm should be contracted.

Inspections must be arranged by the owner.