



Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



Original Operating Instructions

Hinged-bottom container

Type BC, BKB, FB, MSB, SB, RB



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- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



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History

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Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



Table of contents

	Page
1 Basic information.....	4
1.1 Information on the operating instructions.....	4
1.2 Abbreviations, symbols and technical terms.....	4
1.3 Conformity/standards and guidelines	5
1.4 Warranty and liability.....	5
2 Safety at the machine	5
2.1 Definitions.....	5
2.2 Warnings, symbols and markings.....	6
2.3 Working safely with the machine	7
3 Description of the hinged-bottom containers.....	10
3.1 Intended use.....	10
3.2 Improper use	10
3.3 Structure, function and operating modes.....	11
3.4 Operating materials and media supply	17
3.5 Technical data	17
4 Set-up and commissioning.....	19
5 Operation.....	20
5.1 Safety instructions	20
5.2 Operating the hinged-bottom container/building material container with a forklift.....	21
5.3 Operating the hinged-bottom container/building material container with a crane	23
5.4 Operating the building material container with the stone clamp.....	25
5.5 Operating the round container with a forklift	27
5.6 Operating the round container with the crane	28
6 Troubleshooting and fault elimination.....	29
6.1 Safety.....	29
6.2 Characteristic faults and elimination of them by the operator	29
7 Maintenance.....	30
7.1 Safety.....	30
7.2 Maintenance.....	30
7.3 Repair.....	31
8 Decommissioning, disassembly and disposal	31
9 Spare parts list.....	31
10 Annex	31
10.1 Declaration of conformity	31

1 Basic information

1.1 Information on the operating instructions

- It is necessary to read through the operating instructions carefully before starting any work and store them in the immediate vicinity of the plant, accessible to the authorised personnel at all times. The operating company of the machine determines who is authorised as a user.
- The operating instructions provide information about:
 - description of the dangers and instructions for safe handling of the machine,
 - the intended use,
 - the structure and description of the components,
 - the functionality of the machine,
 - measures to establish operational readiness and operational safety,
 - the operation of the machine,
 - the maintenance and testing of the machine.
- They are a component of the machine and therefore must be supplied with the machine.
- For better explanation, illustrations may be shown not to scale and differ from the actual model.

1.2 Abbreviations, symbols and technical terms



Note

The Note symbol is used to identify information on operation of the machine and provides useful tips and recommendations, as well as information for efficient, economical, fault-free operation.

The following abbreviations are used in these operating instructions:

Abbreviation	Meaning
Bauer	Bauer Südlohn GmbH
PPE	Personal protective equipment
Container	Hinged-bottom container

The following layout elements are used in these operating instructions:

Symbol	Meaning
(1)	Numbered action steps
⇒	Result after performing action steps
•	Enumeration
-	Enumeration, subgroup
<i>Italic text</i>	Indicates preconditions that must be fulfilled before an action description

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



Symbol	Meaning
Chapter <i>number</i> + <i>title</i>	Refers to a section in this manual or further applicable documents

Warnings are shown as follows in these operating instructions:

Each signal word is highlighted in a background colour (red, orange or yellow) according to the degree of risk of the hazardous situation.

SIGNAL WORD!

Warning
symbol
opt. PPE
symbol(s)

Nature, source and cause of a danger

Consequences of non-compliance

➤ Measures to prevent the danger; prohibitions

1.3 Conformity/standards and guidelines

This machine has been designed and built according to state-of-the-art technology and recognised safety-related regulations. Conformity of the machine with the EU guidelines and standards is confirmed through the CE declaration.

1.4 Warranty and liability



Note

Conformity in accordance with the Machinery Directive 2006/42/EC and the CE coding in accordance with the Machinery Directive 2006/42/EC become invalid if unauthorised alterations of the components or their assemblies are made.

The manufacturer assumes no liability for damage due to failure to follow these operating instructions.

2 Safety at the machine



Note

This machine has been designed and built according to state-of-the-art technology and recognised safety-related regulations. Nonetheless, dangers to the life and limb of the user or third parties or negative effects on the machine or other property can occur during use.

2.1 Definitions

2.1.1 Warning

A warning is used to warn of a situation that can lead to injuries or death.

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



2.1.2 Personal protective equipment (PPE)

If personal protective equipment (PPE) is required to be worn, this is indicated through additional symbols in the warnings of these operating instructions and the product safety labels/safety signs on the machine.

2.2 Warnings, symbols and markings

2.2.1 Understand warnings



DANGER!

... refers to a dangerous situation with a high degree of risk that will lead to death or serious injuries if not prevented.



WARNING!

... refers to a dangerous situation with a medium degree of risk that could lead to death or serious injuries if not prevented.



CAUTION!

... refers to a dangerous situation with a low degree of risk that could lead to slight or moderate injuries if not prevented.



ATTENTION

... refers to a possibly dangerous situation that can lead to property damage if not prevented.

2.2.2 Understand warning symbols

The following symbols can be used in the operating instructions according to the type of danger:



General warning of danger!



Warning: Suspended load!

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



Warning: Danger of crushing!



Warning: Danger of slipping!

2.2.3 Personal protective equipment symbols

The following symbols can be used in the operating instructions according to the area of use:



Wear helmet!



Use hand protection!



Wear safety shoes!

2.3 Working safely with the machine

The following section “*Basic warnings and safety instructions*” deals with all warnings and safety instructions for all stages of the machine’s life cycle. Warnings that are associated directly with an activity are an exception to this.

2.3.1 Information for the operating company

These operating instructions must be stored within easy reach and readily available at the operating site of the hinged-bottom container.

Local accident prevention regulations must be applied to all work on the machine.

Persons involved with the machine must be older than 18 years of age and familiar with the functionality of the machine and the dangers arising from the machine.

The respective personnel must have received instruction on the task, and must be familiar with the operating instructions, as well as any further applicable internal instructions.

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



2.3.2 Basic warnings and safety instructions



DANGER!

Unauthorised changes of the hinged-bottom container can endanger safe operation!

Risk of death and various risks of injury!

- Do not perform unauthorised design changes; all changes must be discussed with and approved by Bauer.
- Modifications of the protective/safety equipment.



DANGER!

Risk of fatal injury and various risks of injury

Besides the safety instructions in these operating instructions, the safety instructions in the operating instructions of the supplier must be observed!



WARNING!

Hinged-bottom containers stacked on top of each other can tip over!

Risk of fatal injury and danger of crushing due to tipping over hinged-bottom containers.

- The hinged-bottom containers of types BC, FB, SB and MSB may be stacked up to a maximum of 3-high when **filled**.
- The hinged-bottom container type BKB may only be stacked 3-high when **empty**.



WARNING!

Insufficient lighting or visibility!

Danger of various types of injury.

- The operating company is responsible for sufficient lighting in the working and transport areas!
- Operation of the container with insufficient lighting or visibility (fog) is prohibited.



WARNING!

For additional purchased components, the manufacturer's indications must be observed!



CAUTION!

Risk of injury due to slipping, tripping and falling!

- Do not leave any materials or tools lying on walkways or driveways.
- Immediately absorb/remove oil and other slippery materials in walking areas; use oil binding agents.

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



2.3.3 Recognise safety-related protective equipment

On the basis of the risk assessment of the machine, a fastening chain is integrated to ensure safe work with the container. A product safety label is attached next to the suspension of the safety chain, which describes the use of the safety chain.



⚠ DANGER!

Unintentional falling/toppling of the container!

Various risks of injury due to material tipping out/toppling container.

- Always connect the fastening chain to the carrier before lifting the container.
- Remove the locking ring just before the tipping process.



Fig. 2-1: Safety chain/product safety label on the hinged-bottom container

2.3.4 Machine marking



Note

The year of manufacture and the manufacturer's number can be found in the type plate of the hinged-bottom container. This data is not noted in the operating instructions.



			
Typ	<input type="text"/>	ESP	<input type="text"/>
Herstell-Nr.	<input type="text"/>	LSP	<input type="text"/>
Baujahr	<input type="text"/>	Vorbaumaß	<input type="text"/>
Inhalt	<input type="text"/>	stapelbar	<input type="text"/>
Elengewicht	<input type="text"/>	hydr. Druck min.	<input type="text"/>
Tragfähigkeit	<input type="text"/>	max.	<input type="text"/>
Achtung: Tragfähigkeit der Kombination von Flurförderzeug und Anbaugerät einhalten!			

Fig. 2-2: Hinged-bottom container type plate

3 Description of the hinged-bottom containers

3.1 Intended use

The hinged-bottom container with emptying via the bottom flap is used exclusively for receiving loose materials for collection, storage and decanting. For transport, support is provided by an industrial truck (forklift) or a crane. A cable pull on the hinged-bottom container serves to release the bottom flap from the industrial truck.

Containers with casters are designed for moving by hand.

The hinged-bottom container is to be used exclusively within the performance limits listed in section 3.5 *Technical data*.

3.2 Improper use

Improper use includes in particular:

- Any use other than the use of the machine described in chapter 3.1 *Intended use* and further sections of these operating instructions without written permission of the manufacturer.
- Use, installation, operation, servicing or repair other than as described.
- Work performed by unqualified personnel.
- Use of unapproved, inappropriate accessories.
- Failure to follow safety and operating instructions, occupational safety and accident prevention regulations or relevant statutory regulations.
- Failure to eliminate faults in a timely fashion that could negatively impact safety.
- Use of parts other than the original spare parts or accessories.

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



- Operating the machine with incomplete safety equipment.
- Operation with a forklift or the like as a “lifting platform”.
- Transport of persons in the hinged-bottom container.
- Use of the hinged-bottom container in its opened state as a “shovel”.
- Operation of the hinged-bottom container in potentially explosive areas.

3.3 Structure, function and operating modes

The hinged-bottom container can be equipped with the following optional accessories:

Accessories	Type	BKB	BC	FB	MSB	SB	RB
2 swivel castors and 2 fixed castors, 1 of which is a swivel castor with brake		X	X	X	X	X	X
Cover		X	X	X	X	X	X
Centring walls bottom flap				X			
Release by using the stone clamp			X				

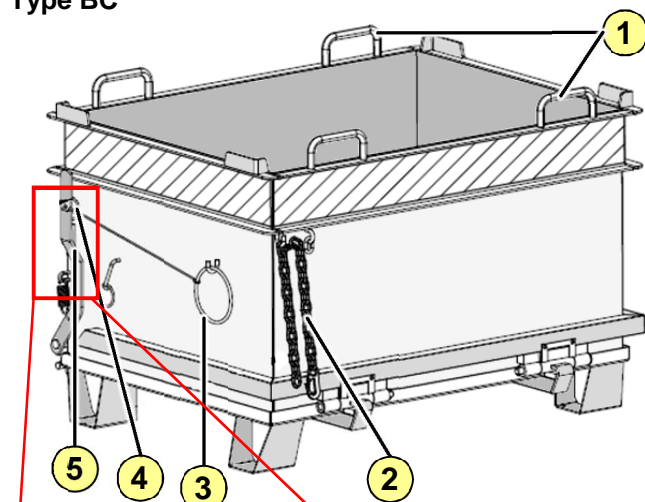
Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -

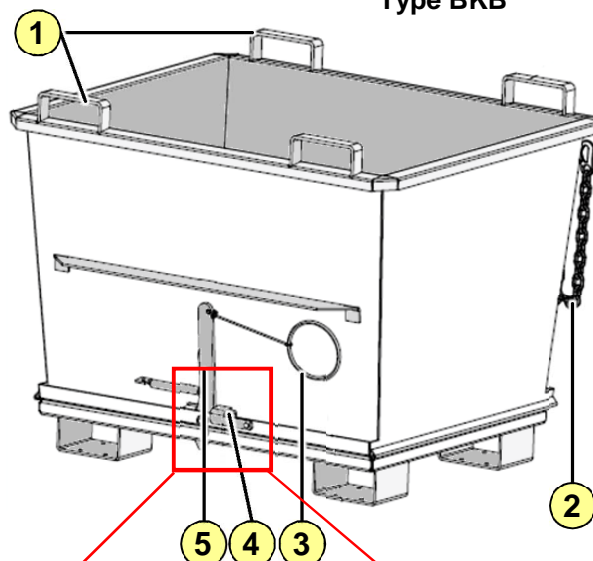


3.3.1 Overview hinged-bottom containers BC, BKB

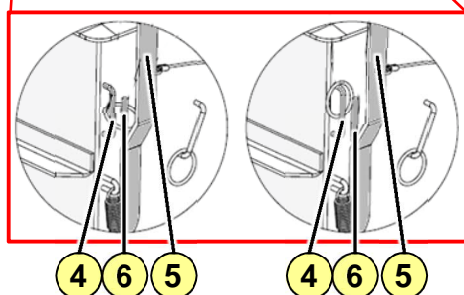
Type BC



Type BKB



Detail A



Detail B

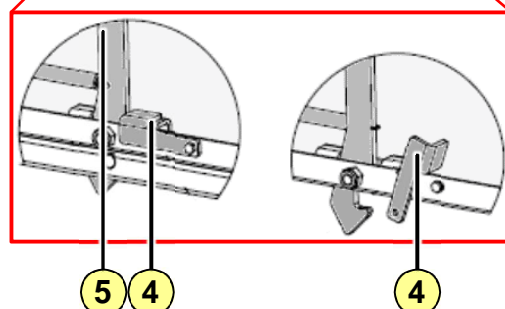


Fig. 3-1: Assemblies of the hinged-bottom containers BC, BKB

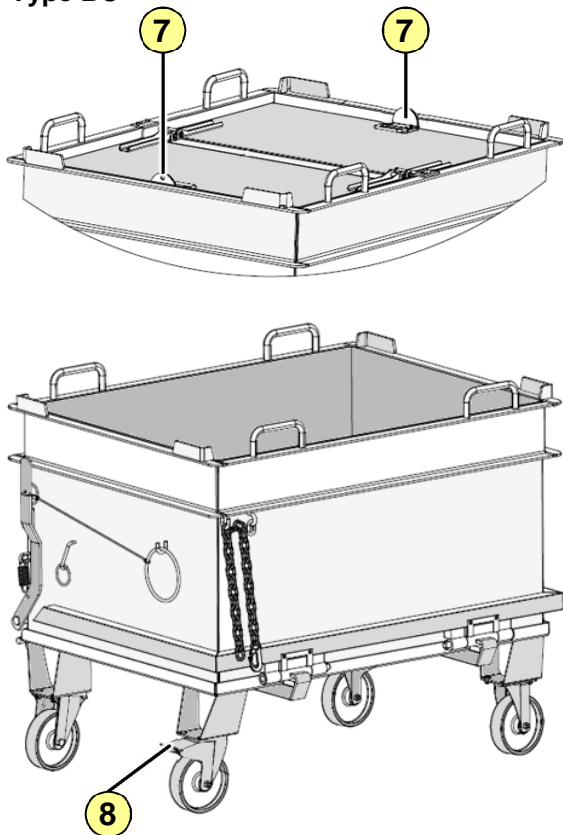
Item	Description
1	Fork bracket
2	Fastening chain with carabiner
3	Operating cable
4	Locking ring (Type BC) / Safety catch (Type BKB)
5	Unlocking lever
6	Bracket of the unlocking lever (type BC)

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



Type BC



Type BKB

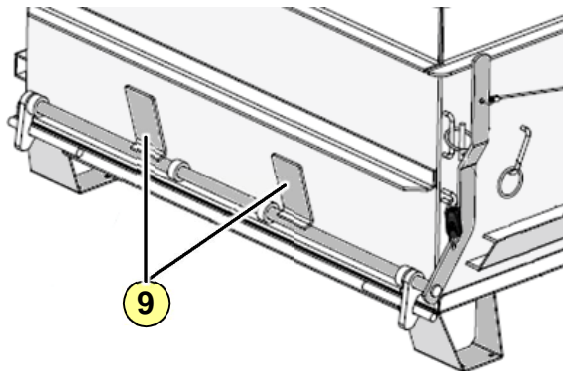
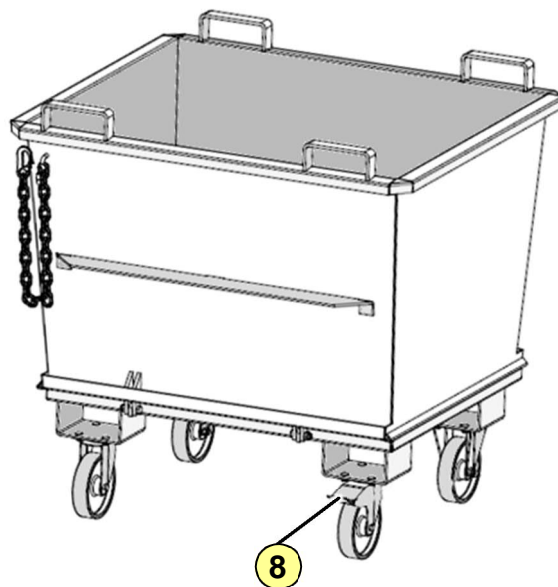


Fig. 3-2: Optional assemblies of the hinged-bottom containers BC, BKB

Item	Description
7	Handle cover (optional cover)
8	Caster with lock (casters optional)
9	Bracket (stone clamp release optional only for type BC)

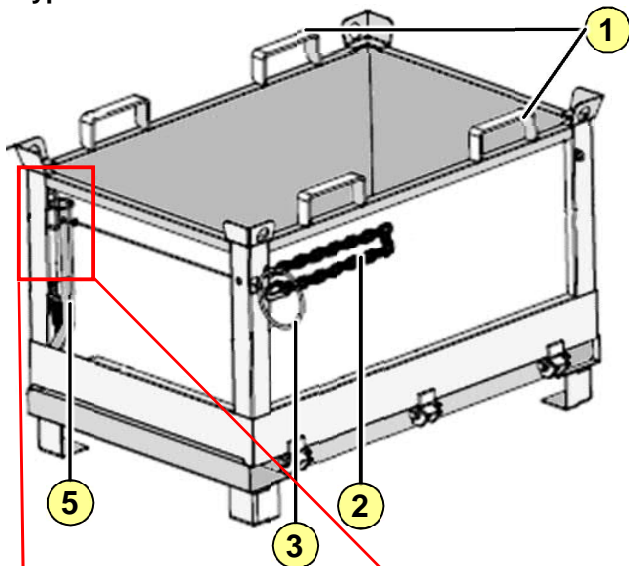
Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -

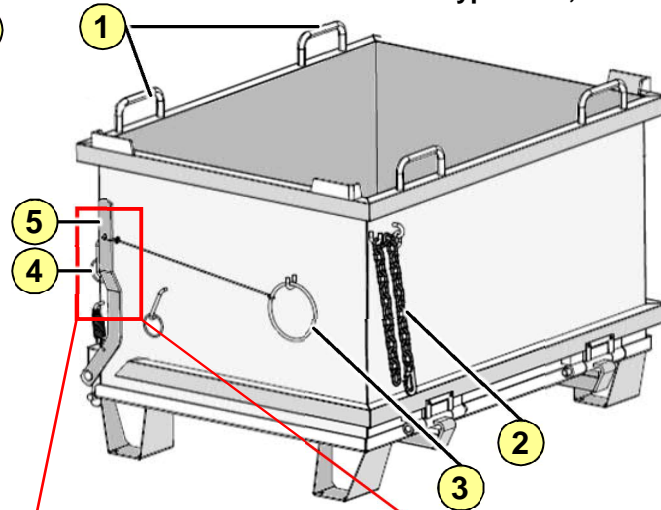


3.3.2 Overview hinged-bottom containers FB, MSB, SB

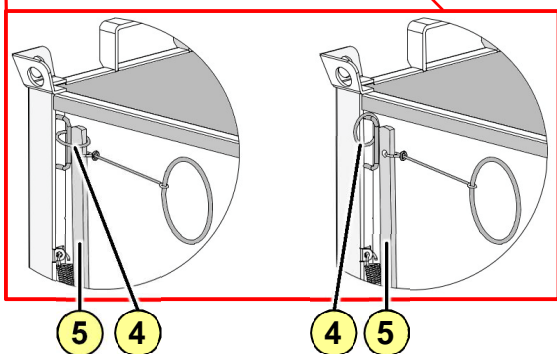
Type FB



Type MSB, SB



Detail C



Detail A

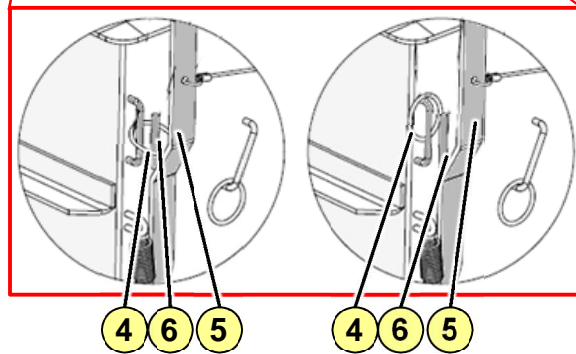


Fig. 3-3: Assemblies of the hinged-bottom containers FB, MSB, SB

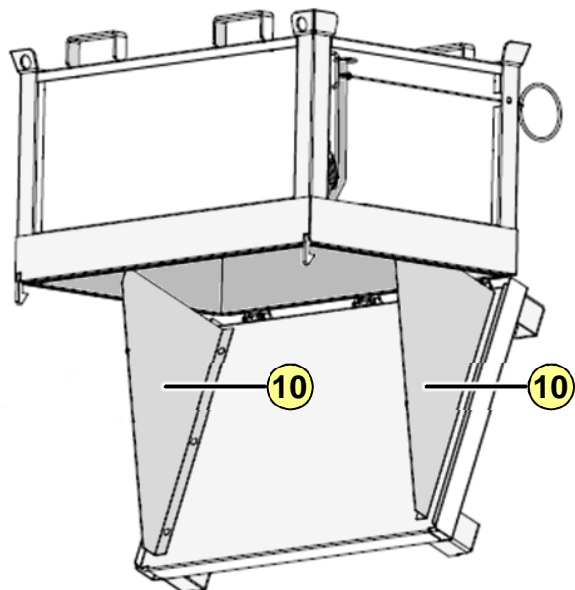
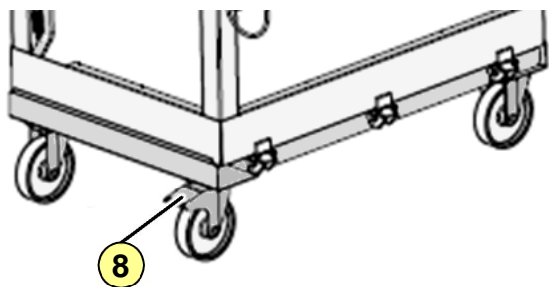
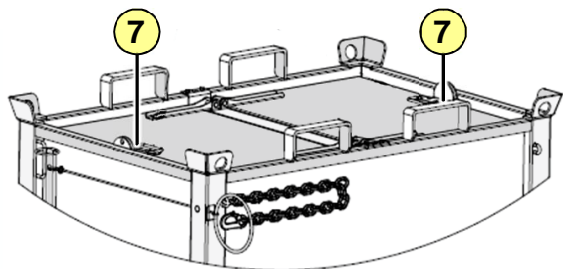
Item	Description
1	Fork bracket
2	Fastening chain with carabiner
3	Operating cable
4	Locking ring
5	Unlocking lever
6	Bracket of the unlocking lever (type MSB, SB)

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



Type FB



Type MSB, SB

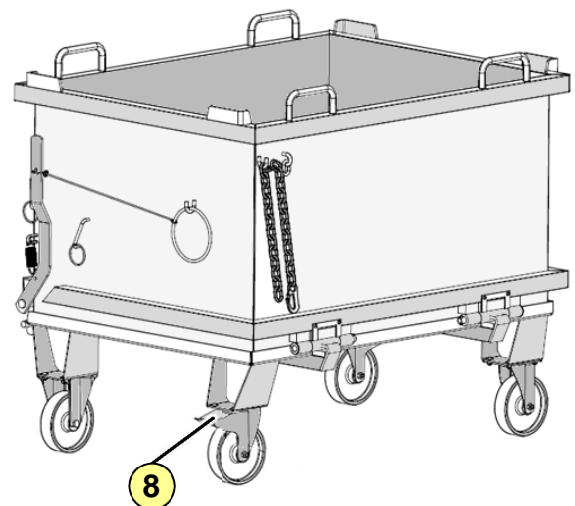
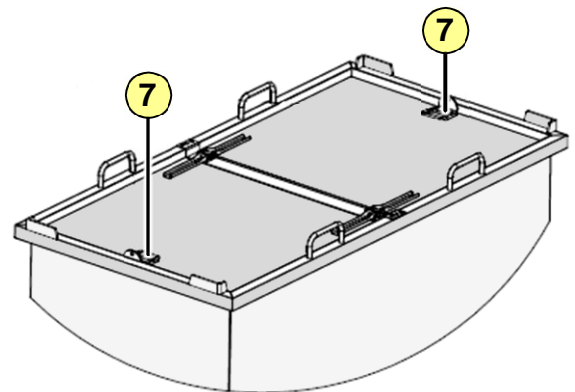


Fig. 3-4: Optional assemblies of the hinged-bottom containers FB, MSB, SB

Item	Description
7	Handle cover (optional cover)
8	Caster with lock (casters optional)
10	Centering walls (optional only for type FB)

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



3.3.3 Overview round container RB with options

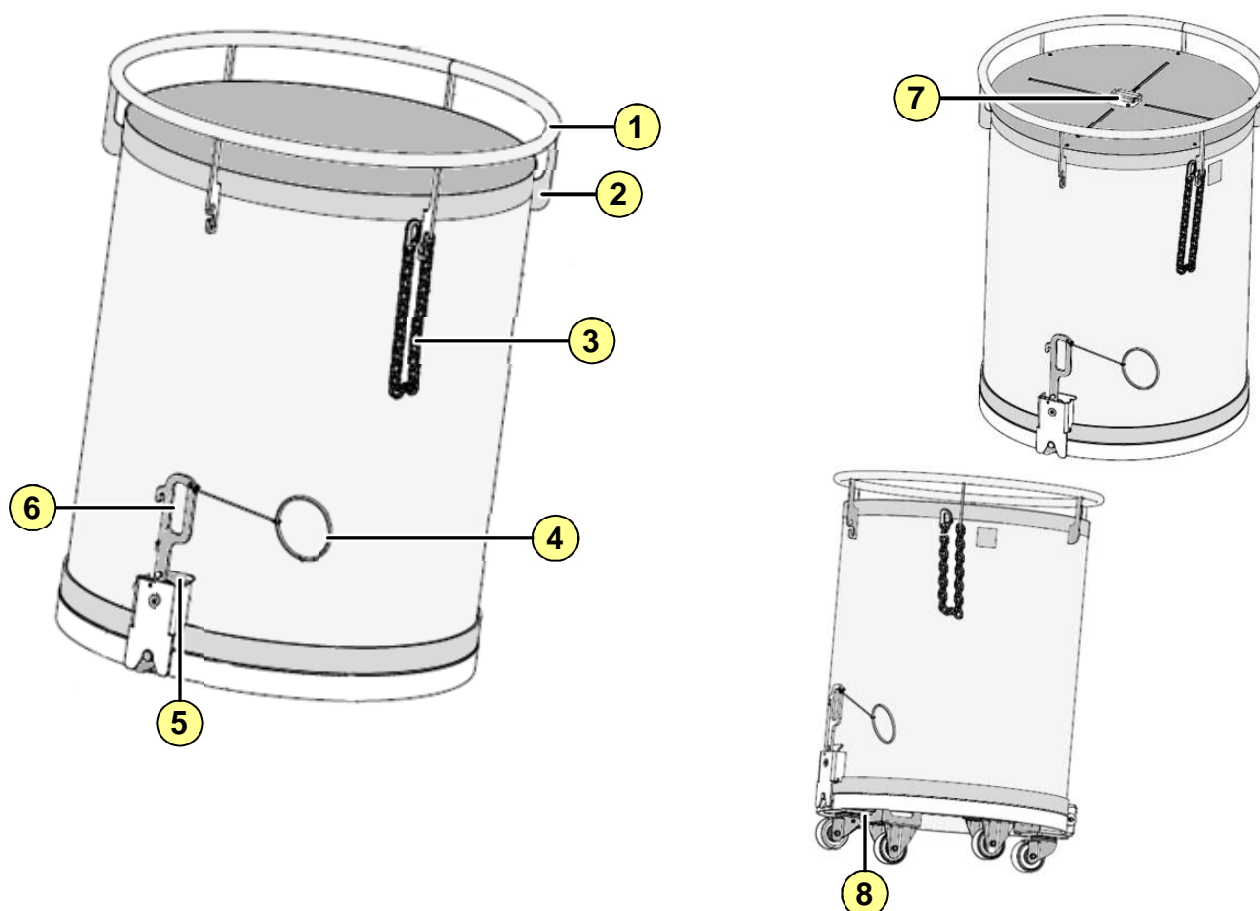


Fig. 3-5: Round container assemblies

Item	Description
1	Railing
2	Railing struts
3	Fastening chain
4	Operating cable
5	Safety catch
6	Unlocking lever
7	Handle cover (optional cover)
8	Caster with lock (casters optional)

3.3.4 Operating modes

The following operating modes are defined:

Operating mode	Description
Loading	Filling with material; the container stands on the floor
Transport	Transporting the container

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



3.4 Operating materials and media supply

Operating materials and media such as electricity, hydraulic or pneumatic power supply are not necessary for operation.

3.5 Technical data

3.5.1 Building material container BC

Dimensions	Type	BC 500	BC 750	BC 1000
Length [mm]		1035	1035	1035
Width [mm]		1305	1305	1305
Height [mm]		700	930	1160
Volume [m³]		0.50	0.75	1.00
Weight				
Tare weight, painted [kg]		189	212	235
Tare weight, galvanised [kg]		203	228	253
Load-bearing capacity [kg]		1000	1500	2000
Stackable		3-fold		
Environmental conditions				
Permissible ambient temperature		−20°C to max. 40°C		

3.5.2 Hinged-bottom container BKB

Dimensions	Type	BKB 500	BKB 700	BKB 1000
Length [mm]		1040	1040	1040
Width [mm]		1200	1200	1200
Height [mm]		715	970	1270
Volume [m³]		0.50	0.70	1.00
Weight				
Tare weight, painted [kg]		126	145	169
Tare weight, galvanised [kg]		136	156	182
Load-bearing capacity [kg]		1000	1500	2000
Stackable into each other		3-fold		
Environmental conditions				
Permissible ambient temperature		−20°C to max. 40°C		

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



3.5.3 Hinged-bottom container FB

Dimensions	Type	FB 500	FB 750	FB 1000	FB 1500	FB 2000
Length [mm]		840	840	1040	1040	1040
Width [mm]		1245	1245	1245	1845	1845
Height [mm]		845	1145	1145	1145	1445
Volume [m³]		0.50	0.75	1.00	1.50	2.00
Weight						
Tare weight, painted [kg]		125	144	158	203	232
Tare weight, galvanised [kg]		135	154	173	218	255
Load-bearing capacity [kg]		1000	1000	1250	1500	1500
Stackable		3-fold				
Environmental conditions						
Permissible ambient temperature		-20°C to max. 40°C				

3.5.4 Hinged-bottom container MSB

Dimensions	Type	MSB 150	MSB 250	MSB 400
Length [mm]		600	800	1000
Width [mm]		800	1000	1200
Height [mm]		625	625	625
Volume [m³]		0.13	0.24	0.38
Weight				
Tare weight, painted [kg]		65	85	108
Tare weight, galvanised [kg]		70	92	116
Load-bearing capacity [kg]		500	500	750
Stackable		3-fold		
Environmental conditions				
Permissible ambient temperature		−20°C to max. 40°C		

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



3.5.5 Hinged-bottom container SB

Dimensions	Type	SB 500	SB 750	SB 1000	SB 1500	SB 2000
Length [mm]		1035	1035	1035	1035	1035
Width [mm]		1310	1310	1310	1910	1910
Height [mm]		700	930	1160	1160	1465
Volume [m³]		0.50	0.75	1.00	1.50	2.00
Weight						
Tare weight, painted [kg]		168	192	215	281	320
Tare weight, galvanised [kg]		181	207	231	302	344
Load-bearing capacity [kg]		1000	1500	2000	2000	2000
Stackable		3-fold				
Environmental conditions						
Permissible ambient temperature		-20°C to max. 40°C				

3.5.6 Round container RB

Dimensions	Type	RB 300	RB 450	
OuterØ [mm]		865	865	
Height [mm]		775	1085	
Volume [m ³]		0.30	0.45	
Weight				
Tare weight, painted [kg]		60	70	
Tare weight, galvanised [kg]		64	74	
Load-bearing capacity [kg]		500	500	
Environmental conditions				
Permissible ambient temperature		-20°C to max. 40°C		

4 Set-up and commissioning

The hinged-bottom container is delivered in completely assembled form, is ready for operation without special commissioning and can be transported with the specified lifting equipment (fork-lift).

Before initial use, the operating company checks whether the hinged-bottom container corresponds to the model ordered and that the scope of delivery is complete. A qualified person must perform a visual inspection as part of commissioning.

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



5 Operation

5.1 Safety instructions



⚠ DANGER!

Persons in the transport and movement area of the container and forklift!

Risk of fatal injury and danger of crushing when transporting and emptying the container and due to the material being dumped.

- Never step underneath the raised container and make sure that persons maintain a sufficient safe distance!
- Never transport load over individuals.
- Exercise particular caution when driving backwards.
- Only move the hinged-bottom container under direct visual supervision, even when driving backwards; the driving area must be completely visible!
- If unobstructed visibility is not possible, have a second person located outside the danger zone provide guidance.
- Before emptying, check whether it is possible to empty without danger and ensure that persons maintain a sufficient safe distance.
- Trigger the operation **ONLY** with the pulling equipment provided for this purpose.



⚠ DANGER!

Use of prohibited lifting equipment may cause container to fall!

Risk of fatal injury and danger of crushing in the movement area of the container.

- For crane transport, only use permissible, undamaged lifting equipment and accessories with sufficient load-bearing capacity.
- For transport with a forklift, the forklift forks with sufficient length must be inserted completely into the fork pockets.
- Observe the information about the intended attachment points and centre of mass!



⚠ DANGER!

Transport of persons in the hinged-bottom container!

Risk of fatal injury due to crashing and being ejected from the container.

- Transporting persons in the container is prohibited.



⚠ WARNING!

Permissible load-bearing capacity of the forklift and bearing surface is exceeded!

Risk of fatal injury and danger of crushing due to container and forklift tipping over.

- Observe the permissible load-bearing capacity of the forklift.
- The operating company must ensure the load-bearing capacity of the bearing surface at the placement location and on the transport routes!
- Take the slope of the bearing surface into account during transport and placement.

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



⚠ WARNING!

Negligent use of personal protective equipment!

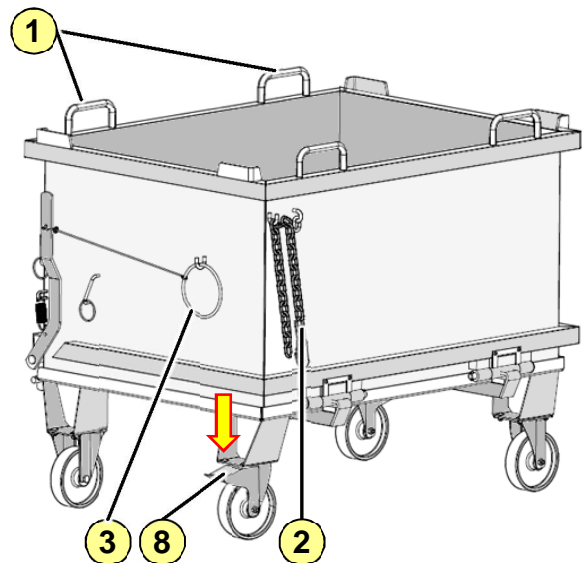
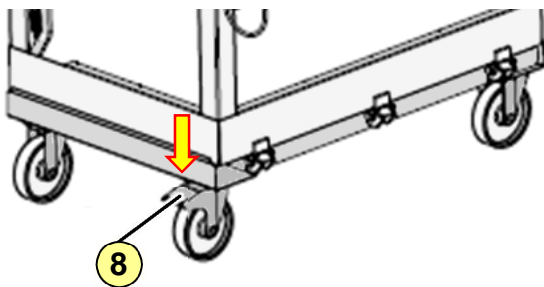
Injuries due to crushing and bumping.

- Wear PPE (protective gloves, safety shoes) when working with the hinged-bottom container.

5.2

Operating the hinged-bottom container/building material container with a forklift

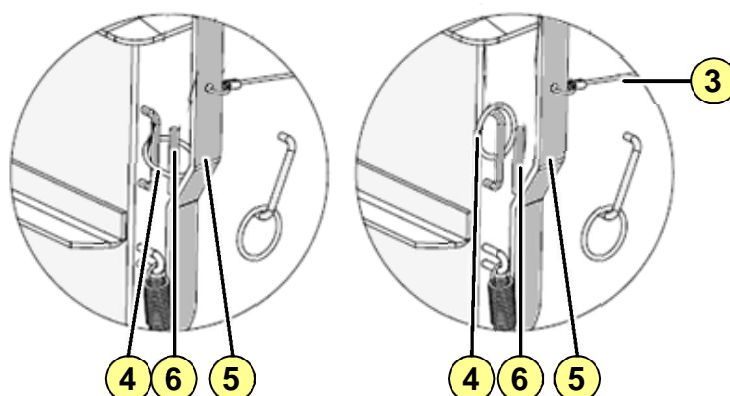
- (1) Container with caster: Activate wheel lock (8).



- (2) Align mast of forklift vertically.
- (3) Adjust forklift forks to match the distance between the fork brackets.
- (4) Drive with the forks (minimum length: 1100 mm) to the end into the fork brackets (1) of the container.
- (5) Place the fastening chain (2) of the container around the fork carriage or fork back and tighten.
- (6) Hook the carabiner into a link of the chain in order to secure the fastening chain (2).
- (7) Lift the container with the mast of the forklift and drive to the location of use.
- (8) **Container types MSB, SB and BC**
Immediately before emptying, remove the locking ring (4) from the bracket (6) of the unlocking lever (5).

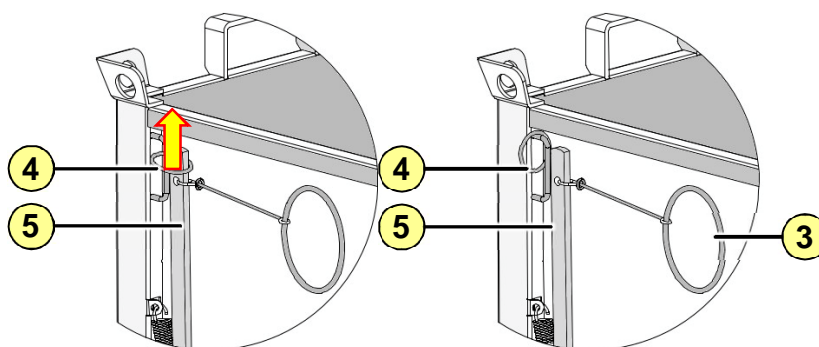
Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



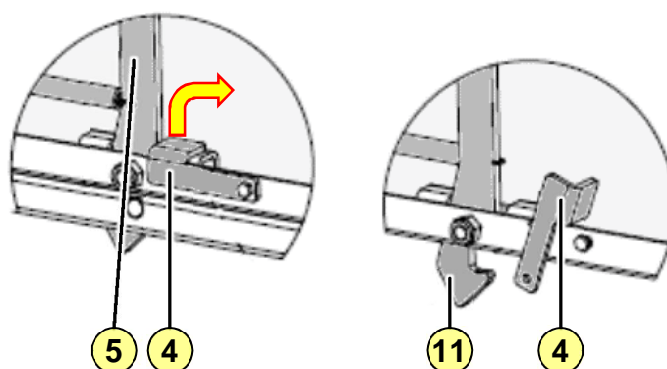
Container type FB

Immediately before emptying, remove the locking ring (4) from the unlocking lever (5).



Container type BKB

Immediately before emptying, fold down the safety catch (4) before the unlocking lever (5).



- (9) Take off and unwind the operating cable (3) from the hook.
- (10) Lift the container to the desired height. Observe safety instructions in chapter 5.1!
- (11) Pull the operating cable (3) to trigger the unlocking lever (5).
 - ⇒ Locking hook (11) releases the bottom flap.
 - ⇒ Container empties itself independently.
- (12) Lower the mast until the bottom flap latches into the home position again.
- (13) Place **container type MSB, SB and BC** locking ring (4) over the bracket (6) of the unlocking lever (5).

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



Container type FB

Place the locking ring (4) over the unlocking lever (5).

Container type BKB

Place the safety catch (4) over the unlocking lever (5).

(14) Roll up the operating cable (3) and hang it from the hook.

(15) Lift the container, drive back to its set-down place and put the container down.

WARNING: Risk of injury due to tilting container. Only place container on level surface.

(16) Open the carabiner of the fastening chain (2), remove the chain from the forklift and hook the carabiner back into a link of the chain.

(17) Drive the forklift backwards until the fork brackets (1) release the forks.

5.3

Operating the hinged-bottom container/building material container with a crane

WARNING!



Uncontrolled movements of the container due to fastening, lifting and moving incorrectly!

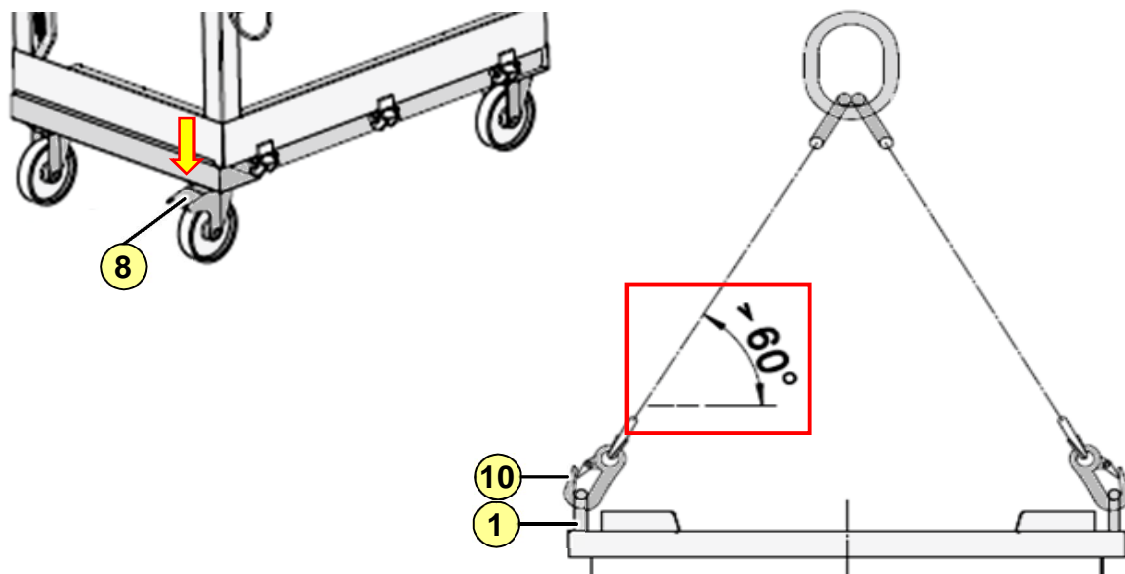
Risk of fatal injury and danger of crushing in the movement area.

- Only use tested and technically faultless lifting equipment.
- Attach lifting equipment only to the crane lugs.
- Observe maximum specified weights.
- Always attach lifting equipment in such a way that the load-handling attachment is located vertically above the centre of mass (avoid eccentric centre of mass).
- Make sure the suspension cables do not undershoot an angle of 60° to the horizontal.
- Do not attach cables and straps to sharp corners and edges, kink them or twist them.
- Lift the container carefully and observe whether the load tilts. If necessary, correct the attachment.
- Adjust the movement of the container to the weather conditions.

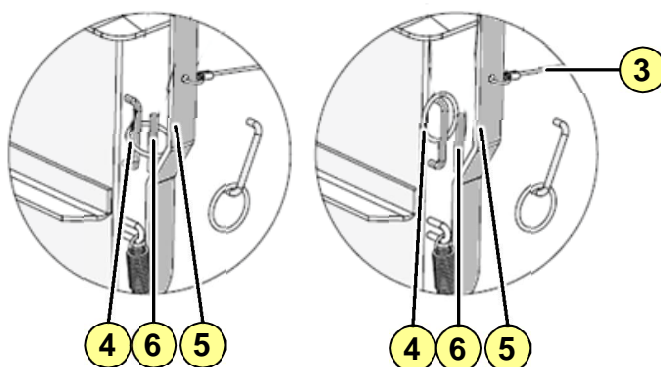
(1) Container with caster: Activate wheel lock (8).

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -

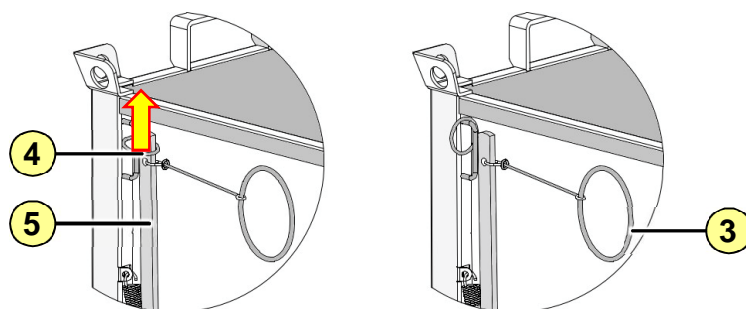


- (2) Attach the lifting equipment to the fork bracket (1) with the hook lock (10).
- (3) Lift the container by crane and drive it to the place of use.
- (4) **Container types MSB, SB and BC**
Immediately before emptying, remove the locking ring (4) from the bracket (6) of the unlocking lever (5).



Container type FB

Immediately before emptying, remove the locking ring (4) from the unlocking lever (5).

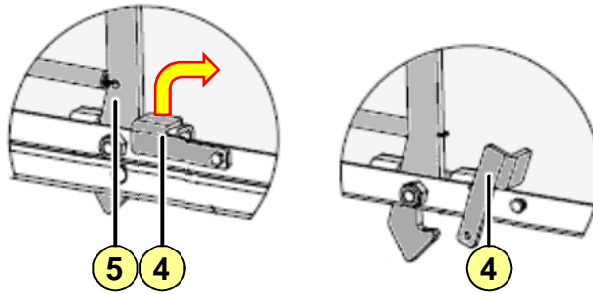


Container type BKB

Immediately before emptying, fold down the safety catch (4) before the unlocking lever (5).

Operating Instructions

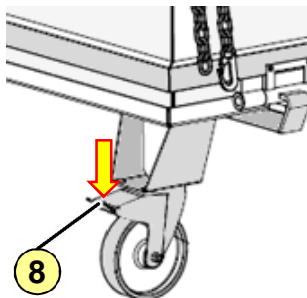
- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



- (5) Take off and unwind the operating cable (3) from the hook.
- (6) Lift the container to the desired height. Observe safety instructions in chapter 5.1!
- (7) Pull the operating cable (3) to trigger the unlocking lever (5).
 - ⇒ Locking hook releases the bottom flap.
 - ⇒ Container empties itself independently.
- (8) Lower the mast until the bottom flap latches into the home position again.
- (9) **Container type MSB, SB and BC**
Place locking ring (4) over the bracket (6) of the unlocking lever (5).
Container type FB
Place the locking ring (4) over the unlocking lever (5).
Container type BKB
Place the safety catch (4) over the unlocking lever (5).
- (10) Roll up the operating cable (3) and hang it from the hook.
- (11) Lift the container, drive back to its set-down place and put the container down.
WARNING: Risk of injury due to tilting container. Only place container on level surface.
- (12) Open the hook lock of the lifting equipment and remove the lifting equipment from the fork brackets (1).

5.4 Operating the building material container with the stone clamp

- (1) Container with caster: Activate wheel lock (8).



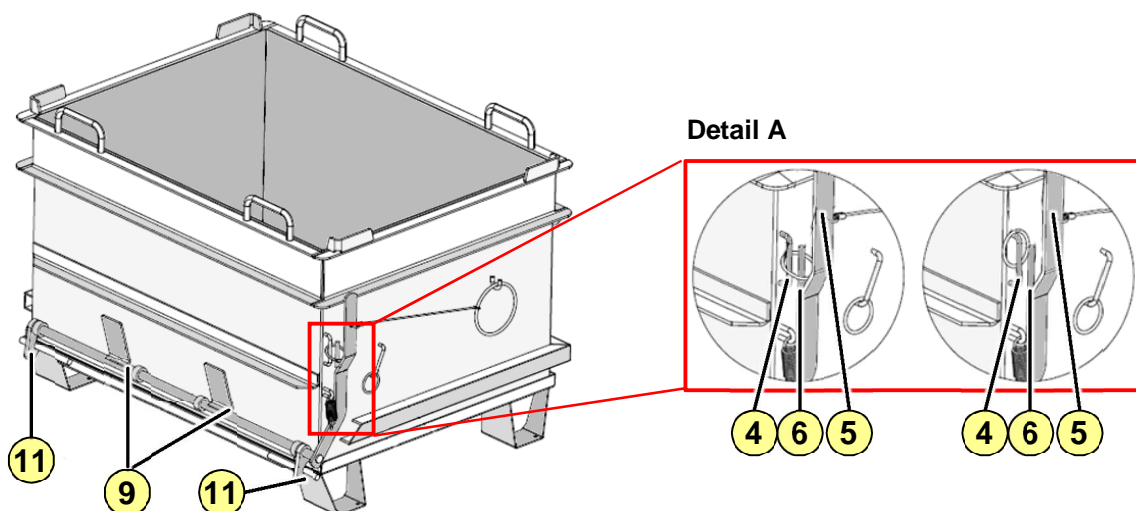
- (2) Pick up the container with the stone clamp arms.
- (3) Drive the container to the place of use.

Operating Instructions

- Hinged-bottom container BC, BKB, FB, MSB, SB, RB -



- (4) Immediately before draining, remove the locking ring (4) from the bracket (6) of the unlocking lever (5), see detail A.
- (5) Press the brackets (9) against the side wall of the container using hydraulic clamp arms.



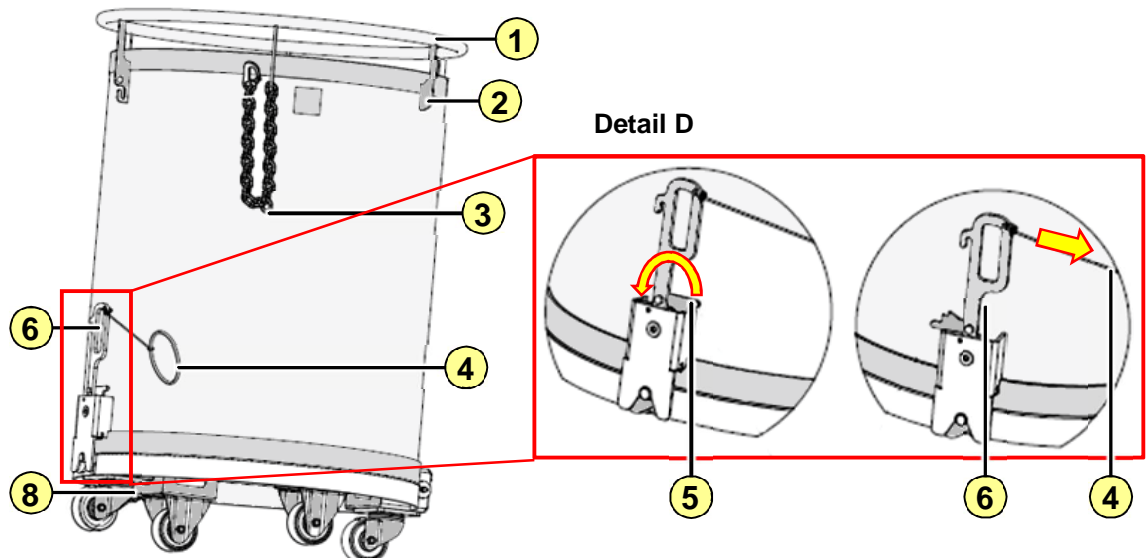
- ⇒ The unlocking lever (5) is released and the hooks (11) release the bottom flap.
- ⇒ The bottom flap opens automatically.

- (6) Release the clamp arms from the brackets (9).
- (7) Lower the mast until the bottom flap latches into the home position again.
- (8) Place the locking ring (4) over the bracket (6) of the unlocking lever (5).
- (9) Lift the container and drive it back to the set-down place, lower it and release the clamp arms.

WARNING: Risk of injury due to tilting container. Only place container on level surface.

5.5 Operating the round container with a forklift

- (1) Container with caster: Activate wheel lock (8).



- (2) Align mast of forklift vertically.
- (3) Adjust the forklift forks to the distance between the struts (2) of the railing (1).
- (4) Insert the forks (minimum length: 1100 mm) under the railing (1) of the container.
- (5) Place the fastening chain (3) of the container around the fork carriage or fork back and tighten.
- (6) Hook the carabiner into a link of the chain in order to secure the fastening chain (3).
- (7) Lift the container with the mast of the forklift and drive to the location of use.
- (8) Immediately before emptying, turn the safety catch (5) in front of the unlocking lever (6), see detail D.
- (9) Take off and unwind the operating cable (4) from the hook.
- (10) Lift the container to the desired height. Observe safety instructions in chapter 5.1!
- (11) Pull the operating cable (4) to trigger the unlocking lever (6).
- ⇒ Locking hook releases the bottom flap.
 - ⇒ Container empties itself independently.
- (12) Lower the mast until the bottom flap latches into the home position again.
- (13) Place the safety catch (5) over the unlocking lever (6).
- (14) Roll up the operating cable (4) and hang it from the hook.
- (15) Lift the container, drive back to its set-down place and put the container down.
- WARNING:** Risk of injury due to tilting container. Only place container on level surface.
- (16) Open the carabiner of the fastening chain (3), remove the chain from the forklift and hook the carabiner back into a link of the chain.
- (17) Move the forklift back until the forks completely release the railing (1).

5.6

Operating the round container with the crane



⚠ WARNING!

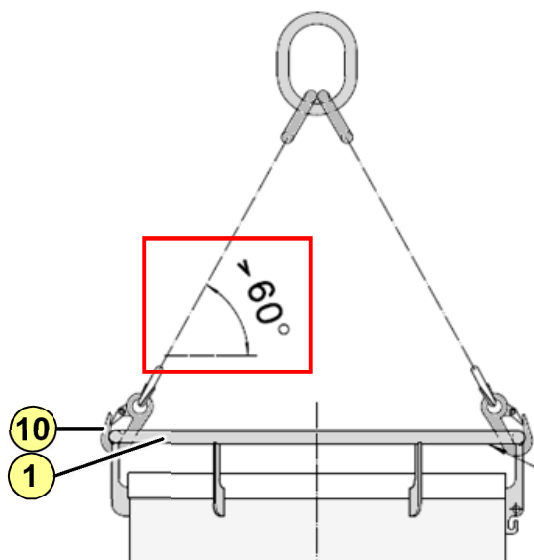
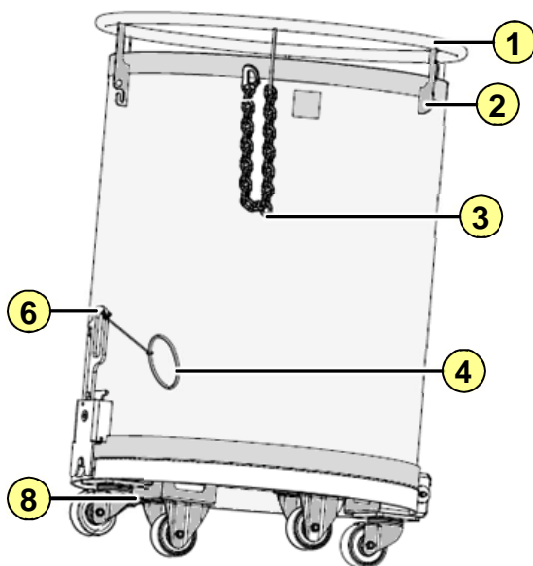
Uncontrolled movements of the container due to fastening, lifting and moving incorrectly!

Risk of fatal injury and danger of crushing in the movement area.

- Only use tested and technically faultless lifting equipment.
- Attach lifting equipment only to the crane lugs.
- Observe maximum specified weights.
- Always attach lifting equipment in such a way that the load-handling attachment is located vertically above the centre of mass (avoid eccentric centre of mass).
- Make sure the suspension cables do not undershoot an angle of 60° to the horizontal.
- Do not attach cables and straps to sharp corners and edges, kink them or twist them.
- Lift the container carefully and observe whether the load tilts. If necessary, correct the attachment.
- Adjust the movement of the container to the weather conditions.

(1) Container with caster: Activate wheel lock (8).

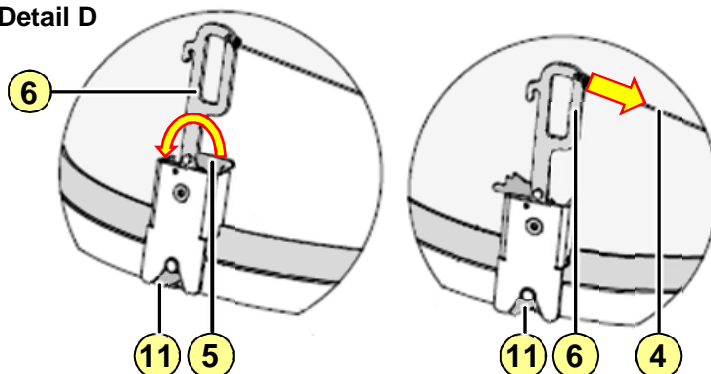
(2) Attach the lifting equipment to the railing (1) with the hook lock (10).



(3) Lift the container by crane and drive it to the place of use.

(4) Immediately before emptying, fold down the safety catch (5) before the unlocking lever (6).

Detail D



- (5) Take off and unwind the operating cable (4) from the hook.
- (6) Lift the container to the desired height. Observe safety instructions in chapter 5.1!
- (7) Pull the operating cable (4) to trigger the unlocking lever (6).
 - ⇒ Locking hook (11) releases the bottom flap.
 - ⇒ Container empties itself independently.
- (8) Lower the crane until the bottom flap latches into the home position again.
- (9) Place the safety catch (5) over the unlocking lever (6).
- (10) Roll up the operating cable (4) and hang it from the hook.
- (11) Lift the container, drive back to its set-down place and put the container down.

WARNING: Risk of injury due to tilting container. Only place container on level surface.
- (12) Open the hook lock (10) of the lifting equipment and remove from the railing (1).

6 Troubleshooting and fault elimination

6.1 Safety



⚠ WARNING!

Improper fault elimination can lead to serious personal injury or property damage.

- Ensure sufficient free space for assembly before starting the work.
- Ensure order and cleanliness at the assembly location! Loose components and tools in piles or left lying around can cause accidents.
- If components have been removed, ensure correct assembly, reattach all fasteners and observe bolt tightening torques.

6.2 Characteristic faults and elimination of them by the operator

After unusual incidents, the hinged-bottom container must be visually inspected by a qualified person, even outside of the specified inspection periods.

The hinged-bottom container must be checked for mechanical damage, and the supervisor must be informed if applicable.

7 Maintenance

7.1 Safety



⚠ WARNING!

Maintenance and repair work performed improperly can lead to various risks of injury!

- Have repair work performed only by authorised personnel.
- Use specified spare parts.
- Particular caution should be exercised when protective equipment has been deactivated.

7.2 Maintenance

7.2.1 Maintenance plan and work (operator)

Any parts that have become defective and must be replaced during maintenance work can be found on the assembly drawing.

Inspection and maintenance check list

Frequency	Object	Activity
Daily	Entire container	Check for wear and defects of the container Verify proper function
Daily	Fastening chain	Verify presence and completeness and check for defects
Monthly	Entire container	Check for wear, permanent deformation and corrosion that negatively impacts the function or load-bearing capacity

7.2.2 Maintenance plan and work (specialist personnel)

The following maintenance work must only be performed by specialist personnel of Bauer or an authority commissioned by Bauer.

Object	Activity
Entire container	Inspection by qualified person (in accordance with BetrSich [Industrial Safety Ordinance] sec. 10 and 11)*
Safety equipment	Inspection by qualified person

*All inspections must be documented. Forklift attachments with identified defects must be de-commissioned immediately.

7.3 Repair

Repairs of the hinged-bottom container must be performed exclusively by the manufacturer or authorities commissioned by it.

Repair work on the tilting mechanism must only be performed by persons who possess the knowledge and skills necessary for this.

Only original spare parts must be used.

8 Decommissioning, disassembly and disposal

No special requirements on decommissioning, disassembly and disposal exist.

9 Spare parts list



Ordering spare parts:

Bauer GmbH
Eichendorffstr. 62
D-46354 Südlohn
Tel.: +49 2862 709 – 0
Fax: +49 2862 709 – 156
Email: info@bauer-suedlohn.de

To process your order quickly, we need the following information:

- our spare part item number
- our spare part item name
- order quantity
- name of the container, manufacturing number and year of manufacture

10 Annex

10.1 Declaration of conformity

The declaration of conformity is included in the delivery in the machine documentation.