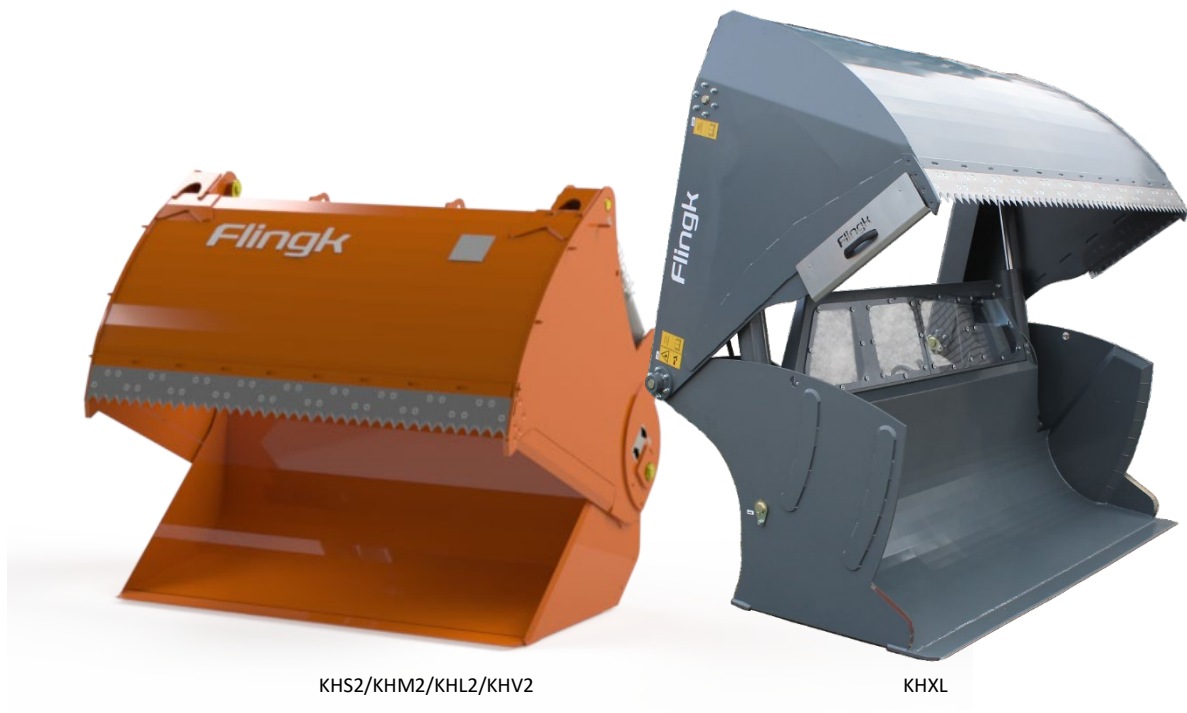


Silage shear grab

Type KHS II, KHM II, KHL II, KHXL

Operator's manual ENG

Read carefully before use



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Version : V03.00

First publication: 20 November 2019

Full translation of the original Dutch version.

PREFACE

The Flingk silage shear grab is a high quality and durable machine, designed and built to cut quickly and efficiently various silage materials. Take a careful look in the technical specifications for which silage material your type of silage shear grab is designed!

This manual has been prepared to enable you to obtain the best results from the Flingk silage shear grab under safe working conditions, so please read and observe this operator's manual carefully before you start working and make sure you follow the instructions while working.

Although, the machine has been designed conform the EC certificate of conformity, always use extreme caution when operating the silage shear grab. Read all instructions which are written in this operator's manual and those within the operators manual of the connected machine carefully and make sure you take them into account

Because Flingk Machinebouw strives towards continuous product improvement, they reserve the right to change design and/or specifications without notice. This does not include an obligation to make changes to machines previously supplied.

If anyone does not fully understand every part of this operator's manual, please obtain further assistance by contacting the dealer from which this product was purchases or by contacting Flingk Machinebouw. Keep this manual available for reference whenever this product is being handled or used. Provide this manual to any new owners and/or operators.

Flingk Machinebouw wishes you a pleasant use!

Supplier details:



GENERAL SAFETY PRECAUTIONS

The silage shear grab may only be used by those persons which have read and understand the within this operator's manual specified safety and operating instructions. Only completely competent operators which now how to use the controls, the silage shear grab capabilities, dimensions and all safety requirements may operate the silage shear grab.

Before using the silage shear grab, check whether the combination of the silage shear grab and connected machine is safe. Pay special attention towards the maximum lifting capacity and hydraulic power of the connected machine.

Every type of Flingk silage shear grab is designed of different silage materials. Check within the technical specifications, before using the silage shear grab, for which silage material your type of silage shear grab is build. Do not use the silage shear grab for materials it was not designed for!

Use the silage shear grab only for the purposes for which it was designed! Nobody, no persons, animals or other goods shall ride on/in the silage shear grab during transport and/or operation.

The silage shear grab is solely designed for use on private terrain, do not use or drive with it on the public road. In case you want to transport the silage shear grab always adhere to the traffic, safety and environmental regulations and transport the machine in a responsible and safe manner.

Take care that nobody will be within the dangerous zone while operation, transporting or riding with the silage shear grab. As an operator always ensure that nobody is within the reach of moving parts, within the operating area, or within close proximity of the machine while working.

Make sure nobody stays between the silage shear grab and the silage material while filling the silage shear grab.

When the knives have bitten each other and are damaged and/or broken, check the silage for sharp pieces!

Maintenance and repair practises may only be performed by skilled specialists. Any work done on the hydraulic system should be done by Flingk Machinebouw or authorized dealers.

Never attempt to work on or repair the silage shear grab while it is running! All power sources must be completely disengaged and the silage shear grab must be closed and should be placed in the horizontal position of a firm, level surface that is large enough to safely accommodate the silage shear grab while repairing, cleaning or adjusting.

Never leave the connected machine unattended while the engine is running or when the silage shear grab is open. Always place the silage shear grab closed in the horizontal position on a firm, level surface which is large enough to safely accommodate the silage shear grab after use



EG-DECLARATION OF CONFORMITY
according to annex II A of EC Machinery Directive 2006/42/EC

Manufacturer: Flingk Machinebouw B.V.
Located: Retselseweg 11A
5473 HC Heeswijk-Dinther
Nederland

Hereby declares that the following machinery

Flingk silage shear grab type: KHS II, KHM II, KHL II, KHLX

With the serial number effective from

Serial No. 87-19-4415

Fulfils all of the relevant requirements of the EC Machinery Directive 2006/42/EG.

's-Hertogenbosch, 12 mei 2015

Namens Flingk Machinebouw B.V.,
Dhr. Ing. N.C.W van den Berselaar

A handwritten signature in blue ink, consisting of a series of loops and a long horizontal stroke.

If any significant changes are made to this machine that could affect its safety or compliance with the regulations, its conformity must be reassessed and confirmed before the machine is put back into service.

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1 SAFETY INSTRUCTIONS

Read all safety decals and safety statements in all manuals prior to operating or working with this equipment.



DANGER!

This symbol by itself or with a warning word throughout this manual is used to call your attention to instructions involving your personal safety or the safety of others. Failure to follow these instructions can result in injury or death

The machine has been marked with safety decals without text. For a safe use of the silage shear grab make sure you understand and follow up the instructions on these decals. What is the danger, in which place does the danger occur and, very important, which safety instructions must be taken.

Be careful and be aware of the risks that are associated with the use of the silage shear grab! The meaning of the decals are shown below.

- Carefully read operator's manual before handling the machine. Observe instructions and safety rules when operating.
- Stop engine and ensure it cannot be re-started during performance of work on the machine.
- High pressure fluid hazard! Hydraulic fluid under pressure can penetrate the skin and cause serious injury or death. Always work warily and make sure all hoses and pipes are depressurized during maintenance and repair.



- Danger for crushing! When connecting the machine, make sure nobody is between the silage shear grab and the machine.

- Entrapment hazard. Beware of moving parts and stay away with limbs.

- Entrapment hazard. Beware of sharp parts and stay away with limbs.

- Retighten of the nuts. Check the operator's manual when and which torque the nuts have to be retightened

- Use the machine only for the purposes for which it was designed! Nobody, no persons, animals or other goods shall ride on/in the machine or be transported by the machine in any case.

- Grease point. Check the operator's manual when and how to grease the points. Some greasers are situated under cases of protective plugs. Regular greasing allows the life span of the rotating parts to be significantly increased.



2 NAMEPLATE DETAILS

The nameplate of the Flingk silage shear grab is located in the front of the machine, in the upper right. In case of correspondence, kindly state the type- and serial number of your machine. Complete the text below with the corresponding numbers on the nameplate.

FLINGK Machinebouw		Flingk Machinebouw Retselseweg 11A 5473 HC Heeswijk-Dinther The Netherlands www.flingk.com		CE
Machine	A.			
Type	B.			
Serial No.	C.			
Year	D.			
Mass	E.		kg	
Hyd. fun. 1 max.	F.	l/min	G.	bar
Hyd. fun. 2 max.	H.	l/min	I.	bar
Elect. fun. max.	J.	V	K.	A

- | | | | |
|----|--------------------------------|-----------|-------|
| A. | Machine | : | ..... |
| B. | Type | : | ..... |
| C. | Serial number | : | ..... |
| D. | Year of build | : | ..... |
| E. | Weight | : | ..... |
| F. | F1 Max. flow (Q_{max}) | [l/min] : | ..... |
| G. | F1 Max. pressure (P_{max}) | [bar] : | ..... |
| H. | F2 Max. flow (Q_{max}) | [l/min] : | ..... |
| I. | F2 Max. pressure (P_{max}) | [bar] : | ..... |
| J. | Voltage | [V] : | ..... |
| K. | Current | [A] : | ..... |

3 LIFTING INSTRUCTIONS

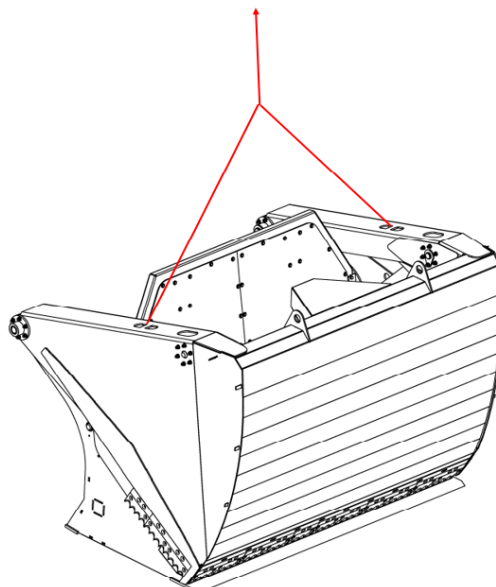
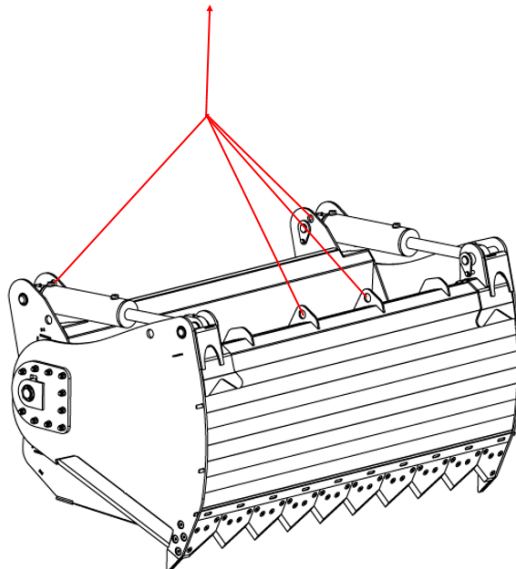
For the movement and transport of the Flingk silage shear grab without a suitable machine make sure you use the mounting points as indicated within the drawing below (the silage shear grab may be different from the one in your situation). Check before lifting whether the lifting capacity of the equipment used is able to hold the total weight of the silage shear grab. The total weight of the silage shear grab is indicated on the type/serial plate as well as under the technical specifications within chapter 5 of this operator's manual.



Your silage shear grab could be different from the machine in the picture. Hereby your machine can behave differently during lifting. Do not start lifting if you are not sure it is safe!



The silage shear grab may only be lifted when there isn't any silage in the machine.



4 PRODUCT DESCRIPTION

The Flingk silage shear grab is a high quality and durable machine, designed and built to cut and load quickly and efficiently various silage materials. It is only suitable for maize grass and by-products such as beer brewing, potato pulp, carrot pulp and other soft silage products. The silage shear grab is carried out in four different types (KHS, KHM, KHL, KHXL) with different grab heights and widths. By these types of silage shear grabs are different designs, these designs are described in chapter 5 of this manual. The silage shear grab give you a nice cut surface in the silage and cut easily with a minimum of air penetrating, making the silage less susceptible for decay.

5 TECHNICAL SPECIFICATIONS

The Flingk silage shear grab is designed for different silage products. The table below provides an overview of the different types with their according technical specifications.

Technical specifications Flingk silage shear grab Type KHS II

Model	KHS II 1600	KHS II 1800	KHS II 2000	KHS II 2200
Grab width (mm)	1625	1825	2025	2225
Grab height (mm)	850	850	850	850
Grab depth (mm)	650	650	650	650
Content (m ³)	0.9	1.0	1.1	1.2
Weight ¹ (kg)	745	719	830	880
Max. system pressure (bar)	200	200	200	200
Max. peak pressure (bar)	250	250	250	250
Min. required oil flow	20 L/min	20 L/min	20 L/min	20 L/min

Technical specifications Flingk silage shear grab Type KHM II

Model	KHM II 1800	KHM II 2000	KHM II 2200	KHM II 2400
Grab width (mm)	1825	2025	2225	2425
Grab height (mm)	1050	1050	1050	1050
Grab depth (mm)	750	750	750	750
Content (m ³)	1.45	1.6	1.75	1.9
Weight ¹ (kg)	965	1020	1075	1130
Max. system pressure (bar)	200	200	200	200
Max. peak pressure (bar)	250	250	250	250
Min. required oil flow	25 L/min	25 L/min	25 L/min	25 L/min

¹ Weight exclusive linkage, weight may vary depending on the version of the machine and linkage.
Shovel-linkage +30-100 kg

Technical specifications Flingk silage shear grab Type KHL II

Model	KHL II 2200	KHL II 2600
Grab width (mm)	2230	2630
Grab height (mm)	1300	1300
Grab depth (mm)	900	900
Content (m ³)	2.6	3.1
Weight ² (kg)	1635	1795
Max. system pressure (bar)	200	200
Max. peak pressure (bar)	250	250
Min. required oil flow	30 L/min	30 L/min

Technical specifications Flingk silage shear grab Type KHXL 1400

Model	KHXL 1418	KHXL 1420	KHXL 1422
Grab width (mm)	1800	2000	2200
Grab height (mm)	1400	1400	1400
Grab depth (mm)	350	350	350
Content (m ³)	0.9	1.0	1.1
Weight ² (kg)	890	925	980
Max. system pressure (bar)	200	200	200
Max. peak pressure (bar)	250	250	250
Min. required oil flow	30 L/min	30 L/min	30 L/min

Technical specifications Flingk silage shear grab Type KHXL 1700

Model	KHXL 1718	KHXL 1720	KHXL 1722	KHXL 1724	KHXL 1726
Grab width (mm)	1800	2000	2200	2400	2600
Grab height (mm)	1700	1700	1700	1700	1700
Grab depth (mm)	350	350	350	350	350
Content (m ³)	1.05	1.2	1.35	1.5	1.6
Weight ² (kg)	1170	1230	1290	1360	1430
Max. system pressure (bar)	200	200	200	200	200
Max. peak pressure (bar)	250	250	250	250	250
Min. required oil flow	30 L/min	30 L/min	30 L/min	30 L/min	30 L/min

² Weight exclusive linkage, weight may vary depending on the version of the machine and linkage.
Shovel-linkage +30-100 kg

Technical specifications Flingk silage shear grab Type KHLX 2200

Model	KHLX 2220	KHLX 2222	KHLX 2224	KHLX 2226
Grab width (mm)	2000	2200	2400	2600
Grab height (mm)	2200	2200	2200	2200
Grab depth (mm)	350	350	350	350
Content (m ³)	1.6	1.75	1.9	2.05
Weight ³ (kg)	1550	1650	1690	1770
Max. system pressure (bar)	200	200	200	200
Max. peak pressure (bar)	250	250	250	250
Min. required oil flow	30 L/min	30 L/min	30 L/min	30 L/min

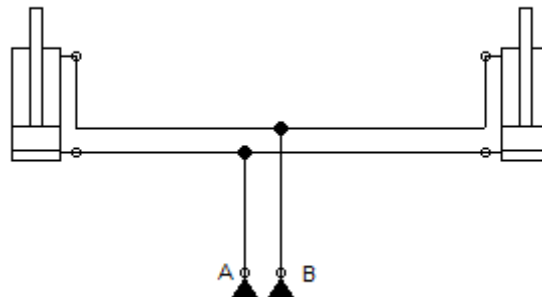
Technical specifications Flingk silage shear grab Type KHLX 2700

Model	KHLX 2722	KHLX 2724	KHLX 2726
Grab width (mm)	2200	2400	2600
Grab height (mm)	2700	2700	2700
Grab depth (mm)	350	350	350
Content (m ³)	2.15	2.35	2.55
Weight ³ (kg)	2290	2400	2510
Max. system pressure (bar)	200	200	200
Max. peak pressure (bar)	250	250	250
Min. required oil flow	30 L/min	30 L/min	30 L/min

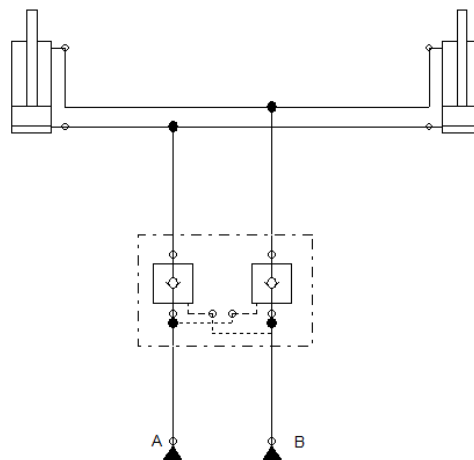
³ Weight exclusive linkage, weight may vary depending on the version of the machine and linkage.
Shovel-linkage +30-100 kg

6 HYDRAULIC FLOW CHART

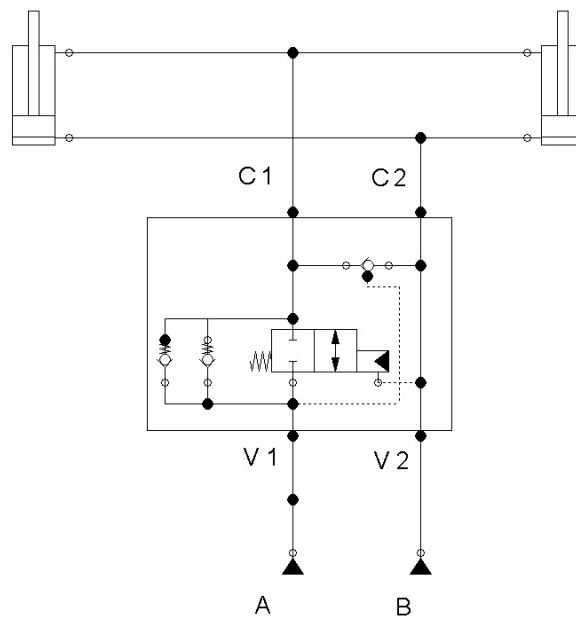
Depending on the type of silage shear grab there are different flow charts applicable. Below an overview of the standard flow charts.



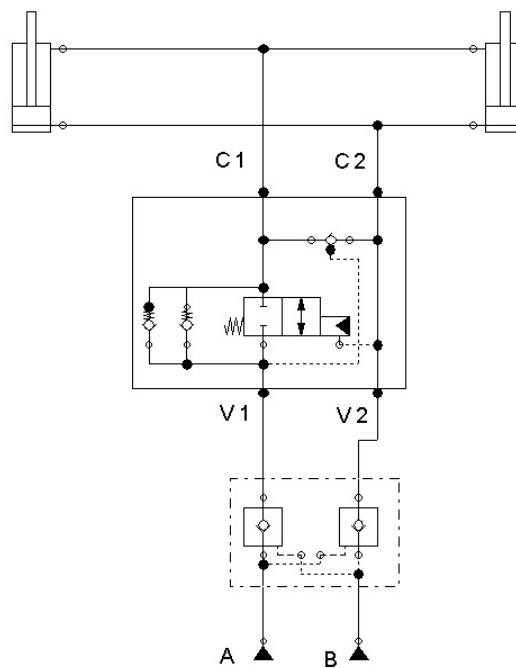
*Hydraulic flow chart type KHS, KHM, KHL, KHXL
Standard version*



*Hydraulic flow chart type KHS, KHM, KHL, KHXL
Option: piloted return valve*



*Hydraulic flow chart type KHXL
Option: Quick Exit (fast opening the shear grab)*



*Hydraulic flow chart type KHXL
Option: piloted return valve and Quick Exit (fast opening the shear grab)*



Before maintenance of the hydraulic system disconnect the hoses of the connected machine and make sure that the hoses are depressurized!

7 COMMISIONING



The silage shear grab may only be used by those which have read and understand the within this operator's manual specified and operating instructions. Only completely competent operators which know how to use the controls, the silage shear grab's capabilities, dimensions and all safety requirements may operate the silage shear grab.

Before using the silage shear grab, check whether the combination of the silage shear grab and connected machine is safe. Pay special attention towards the maximum lifting capacity and hydraulic power of the connected machine. The technical details of the silage shear grab are indicated on the type/serial number plate or in the technical specifications (chapter 5) within this operators manual.

For more information whether the combination of silage shear grab and connected machine is safe check also the operator's manual of the connected machine.

7.1 MOUNTING THE LINKAGE



Use only the linkage made and delivered by Flingk Machinebouw to connect the silage shear grab and the machine.



Mount the linkage with the original fasteners delivered by Flingk Machinebouw.

The linkage should be mounted on the two square tubes that are welded on the silage shear grab. The fixing materials are delivered with the linkage.

1. Turn the fasteners hand-tight, with the linkage at about the right place.
2. Measure, when needed, the size of the linkage.
3. Also measure the width to the outside of the mounting sleeves and make sure the size is the same on both sides so that the coupling is centered.
4. Tighten all fasteners, ensure that locknuts are used.
5. Eventual adjust the stop to the driving machine.
6. Before taking the machine in use, try to fit the linkage to the driving machine to ensure the connection fits properly.

7.2 COUPLE THE MACHINE

The Flingk silage shear grab can be connected by quick couples system. Follow for this type of connection the following instructions.

7.2.1 Connection by means of a quick coupler system



Before using the silage shear grab, check whether the combination of the silage shear grab and the connected machine is safe. Pay special attention towards the maximum lifting capacity and hydraulic power of the connected machine.

Always check before connecting the silage shear grab whether the connection on the silage shear grab is appropriate for the connection on the machine.

Pay special attention towards the distance between the holes and pins both, horizontally and vertically as well as the diameters of the different holes and pins. Before connecting the silage shear grab always check the operator's manual of the machine and/or of the quick coupler system.

1. The silage shear grab should be placed closed in the horizontal position, with the mounting points facing sideward, on a firm and level surface.
2. Follow strictly the instructions as described within the operators manual of the quick coupler system to attach the silage shear grab towards the machine.
3. Check whether all connections are connected and secured properly.
4. Connect the hydraulic hoses. Be aware and prevent unforeseen oil spills, think about the natural environment!
5. Connectors A and B (yellow/blue) should be coupled to the pressure ports on the connected machine (see hydraulic flow chart).
6. Check the movement and clearance of all hydraulic hoses, make sure they are of sufficient length and will not be wedged during operation.

8 OPERATING INSTRUCTIONS



This type of Flingk silage shear grab is designed for Maize/grass and by-products such as beer brewing, potato pulp, carrot pulp and other soft silage products. Do not use the silage shear grab for materials it was not designed for!



The silage shear grab contain razor-sharp knives. Stay with limbs away from the knives and make sure during storage that they are protected from humans and animals.

Before and while operating with the Flingk silage shear grab, take the following instructions into account:

- Check prior to commencing work whether the safety decals are clean and can be read at all times.
- Check whether all connections are connected and secured properly.
- Check prior to commencing work the entire silage shear grab on wear and tear as well as the hydraulic hoses and presence of the yellow and blue dust caps on the connectors.
- The silage shear grab may solely be operated from the correct operators position within the cabin of the attached machine.
- In case of stuck silage material in the silage shear grab, place the silage shear grab closed in the horizontal position on a firm and level surface, turn of the engine of the attached machine and make sure all hoses are depressurized before you attempt to loosen up the material. Be aware for the sharp knives of the silage shear grab and make use of appropriate tooling to loosen material.
- In case obstruction of the cutting part of the shear , place the silage shear grab closed in the horizontal position on a firm and level surface, turn of the engine of the attached machine and make sure all hoses are depressurized before you attempt to clear the movement. Be aware for the sharp knives of the silage shear grab and make use of appropriate tooling to loosen material.
- Always consult the dealer or Flingk Machinebouw to check the silage shear grab after a foreign object has caused the obstruction before starting operation again.
- Wear and use protective clothing and/or equipment while cleaning the silage shear grab.

8.1 CUTTING WITH THE SILAGE SHEAR GRAB



Make sure that there is no human being or animals within the dangerous zone (radius 10 meter) while filling the silage shear grab!



Make sure while closing the cutting part of the shear the silage shear grab always remains horizontal in the same position.



Avoid damage by torquing the cutting part of the shear by filling the silage shear grab correctly (as described in this chapter of the manual).

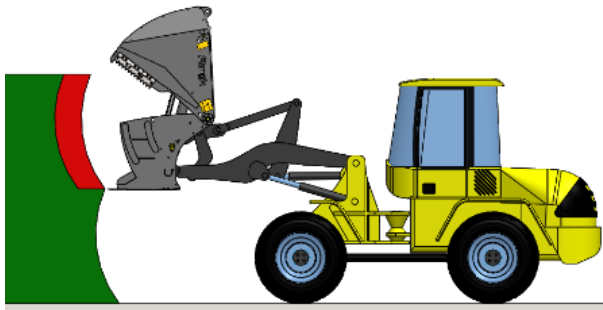


The top and bottom knives may in no case touch each other! When the knives touch each other, please consult the dealer or Flingk Machinebouw!

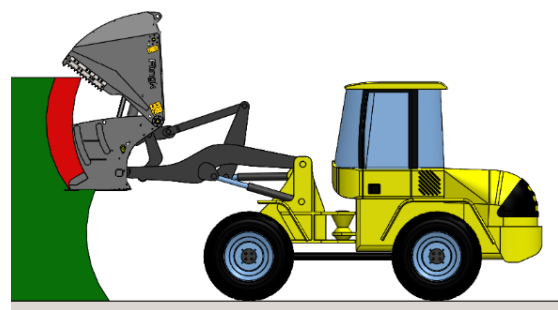


When the knives are damaged and/or broken, check the silage for sharp parts!

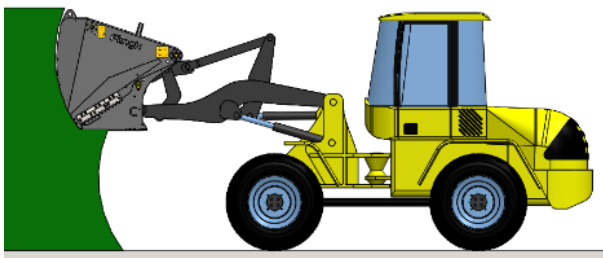
Drive with closed silage shear grab to the silage, open the cutting part of the shear just before the silage and always position it horizontally at the correct height where you want to grab as indicated in the drawing below (figure 1). Drive the silage shear grab forward into the silage material until the stop of the shear grab touches the silage (figure 2). Caution do not push the silage shear grab further into the silage as the stop. Make sure that during cutting the silage the shear grab always stays horizontal and at the correct height (figure 3). Apply the (hand) brake of the attached machine when necessary. Try as much as possible to maintain the correct shape of the silage for the shear grab to work properly, cut when possible at the same height every time.



1

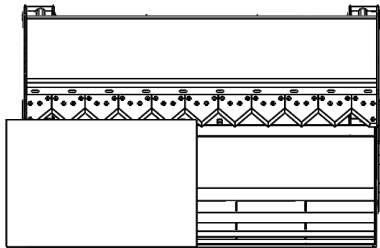


2

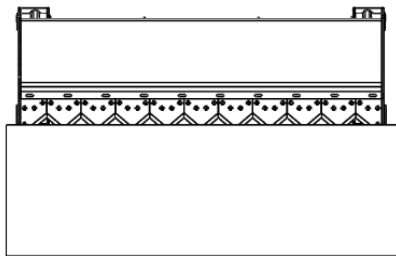


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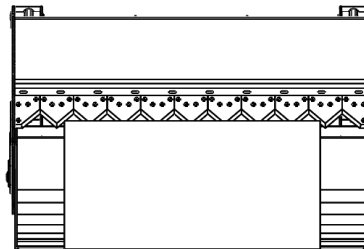
Beside this it is important applying the correct grab sequence as much as possible for the longest possible life of your silage shear grab. Applying the correct grab sequence, prevents torsional forces on the silage shear grab because the silage is only cut on one side of the shear grab (4). Be aware that during cutting the silage both side knives are in the silage (figure 5), or that both side knives are free from silage (figure 6).



4 X



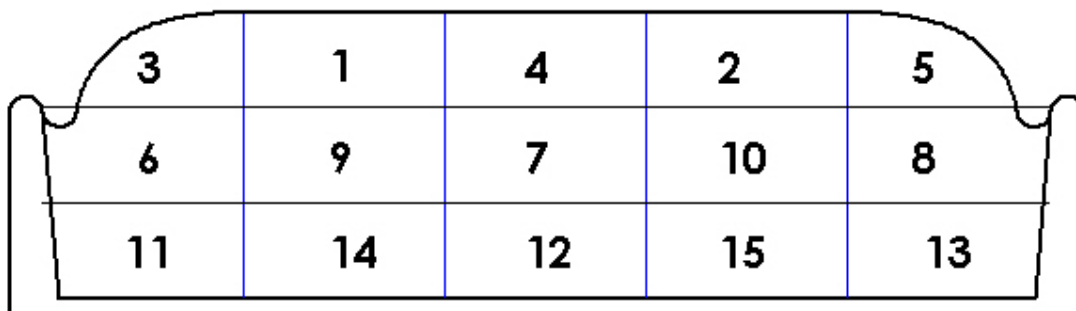
5 ✓



6 ✓

The drawing below schematically shows the correct grab sequence in the silage as an example. When you start with grab 1 and 2 both side knives are cutting the silage. When you after that grab number 3, 4 and 5 both side knives are free from the silage. Grab number 3, 4 and 5 will be smaller when the pit becomes smaller. The second row works almost the same way, you start with grab number 6, 7 and 8 where both side knives are cutting the silage. With grab 9 and 10 both side knives are free from the silage. The third row is the same as row two.

Make sure that the same method is used for a smaller or a wider pit. The forces on the silage shear grab must always be symmetrically.



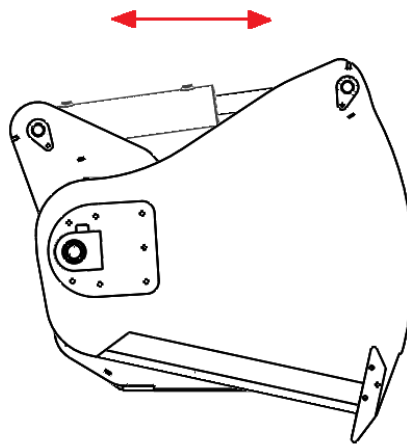
Gewenste hapvolgorde in de kuil

8.2 RIDING WITH THE SILAGE SHEAR GRAB



The silage shear grab is solely designed for use on private terrain, do not use or drive with it on the public road. In case you want to transport the silage shear grab always adhere to the traffic, safety and environmental regulations and transport the machine in a responsible and safe manner.

Ensure that while driving the silage shear grab is always closed and in horizontal position close to the ground. This prevents possible imbalance and increases the sight in front or behind the silage shear grab.

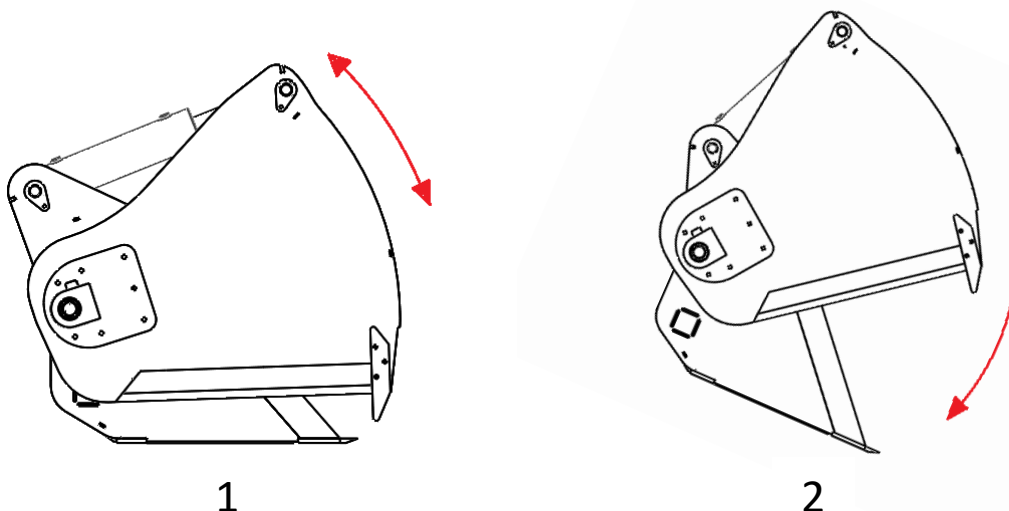


8.3 EMPTYING THE SILAGE SHEAR GRAB



Make sure that there is no human being or animals within the dangerous zone (radius 10 meter) while emptying the silage shear grab!

Before you start emptying the silage shear grab, make sure that there is no human being, animals or other materials are within the operation zone. Then position the silage shear grab above the location or machine where you want to empty it. Open the cutting part of the shear (figure 1) and rotate the silage shear grab (figure 2) so that the silage falls out.



8.4 STORAGE



Make sure the Flingk silage shear grab is not subjected to extreme weather conditions and always store the silage shear grab in a sheltered area which prevents exposure to persistent rain, snow and ice.



Make sure that the sharp knives are protected so no people or animals can come close to the razor-sharp knives and edges of the silage shear grab.

Always place the silage shear grab in the horizontal position, closed on a firm and flat surface. Make sure that the knives are free from the ground or unwanted objects. Place the protective caps supplied over the side knives. Check that the hydraulic couplings are free from the ground and that the dust caps (yellow / blue) are on the hydraulic couplings.

9 MAINTENANCE



Maintenance and repair practices may only be performed by skilled specialists and by using proper tooling.



Never attempt to work on or repair the silage shear grab while it is running! All power sources must be completely disengaged and the silage shear grab should be placed in horizontal closed position on a firm, level surface that is large enough to safely accommodate the silage shear grab while repairing, cleaning or maintenance.



When disassembling the knives, lock the cylinders and put the bucket on a firm, level surface or properly coupled to a driving machine. Ensure that the hydraulic hoses are disconnected.



Any work done on the hydraulic system should be done by Flingk Machinebouw or authorized dealers.



When replacing parts, only use parts supplied by Flingk Machinebouw or your dealer.

General maintenance instructions:

- Regularly check the (front) knives for possible damages, wear or flaws, ensure the (front) knives are always sharp to be able to cut optimally. Replace or grind the (front) knives when necessary.
- Grease all bearings every 6 months or 30 operating hours. The greasing points are on the cylinder mounts and hinge point of the silage shear grab.
- In case of a silage shear grab with tines instead of closed bucket, check regularly that the tines are straight and stuck. If this is not the case, replace the damaged tines as quickly as possible and tighten the loose tines.
- Regularly check the corner tips for damage and wear, ensure that the corner tips protect the knives sufficiently. Replace the corner tips as soon as necessary.
- Regularly check the hydraulic system for damage and wear. The hydraulic hose may not be damaged under any circumstances.
- Tighten the nuts of the hinge points after 30 hours of use. Use the correct tightening torque for the nuts
 - M12 93 Nm
 - M16 338 Nm

9.1 SHARPENING KNIVES

To sharpen the knives please follow next instructions:



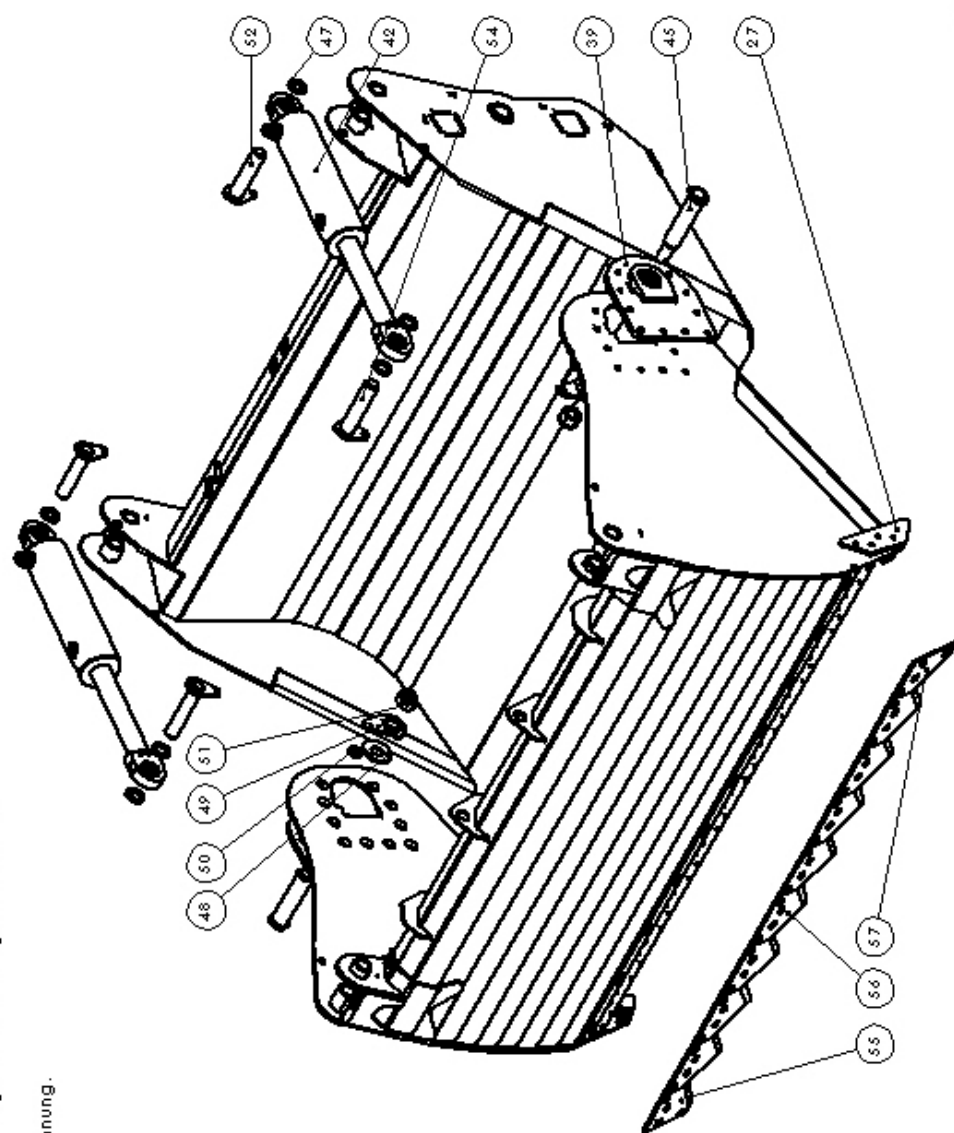
Wear during grinding the necessary personal protective equipment.

- Place the silage shear grab open in horizontal position on a firm level surface connected to the machine. Ensure that the cylinders are blocked and the hydraulic hoses are disconnected from the driving machine!
- Use a grinding tool with a sanding disc for grinding.
- Place the grinding tool as flat as possible on the knife, grind the material evenly until the knife is sharp.
- Grind away the same amount of material over the whole length of the knives. The knives will be shorter over the entire length.

10 PARTS LIST

10.1 TYPE KHS, KHM, KHL

- Bij het bestellen van onderdelen gaag de volgende dingen doorgeven:
Het serienummer van de machine,
De naam van de tekening.
Het positiënummer in de tekening.
- When ordering parts, please give the following items:
The serial number of the machine,
The name of the drawing.
The item number in the drawing.
- Bei der Bestellung von Ersatzteile, bitte geben Sie die folgenden Punkte:
Seriennummer der Maschine,
Der Name der Zeichnung,
Die Positionsnummer in der Zeichnung.



Drawing: KH01

10.2 TYPE KHXL

- Bij het bestellen van onderdelen graag de volgende dingen doorgeven:

Het serienummer van de machine,

De naam van de tekening,

Het positiënummer in de tekening.

- When ordering parts, please give the following items:

The serial number of the machine,

The name of the drawing,

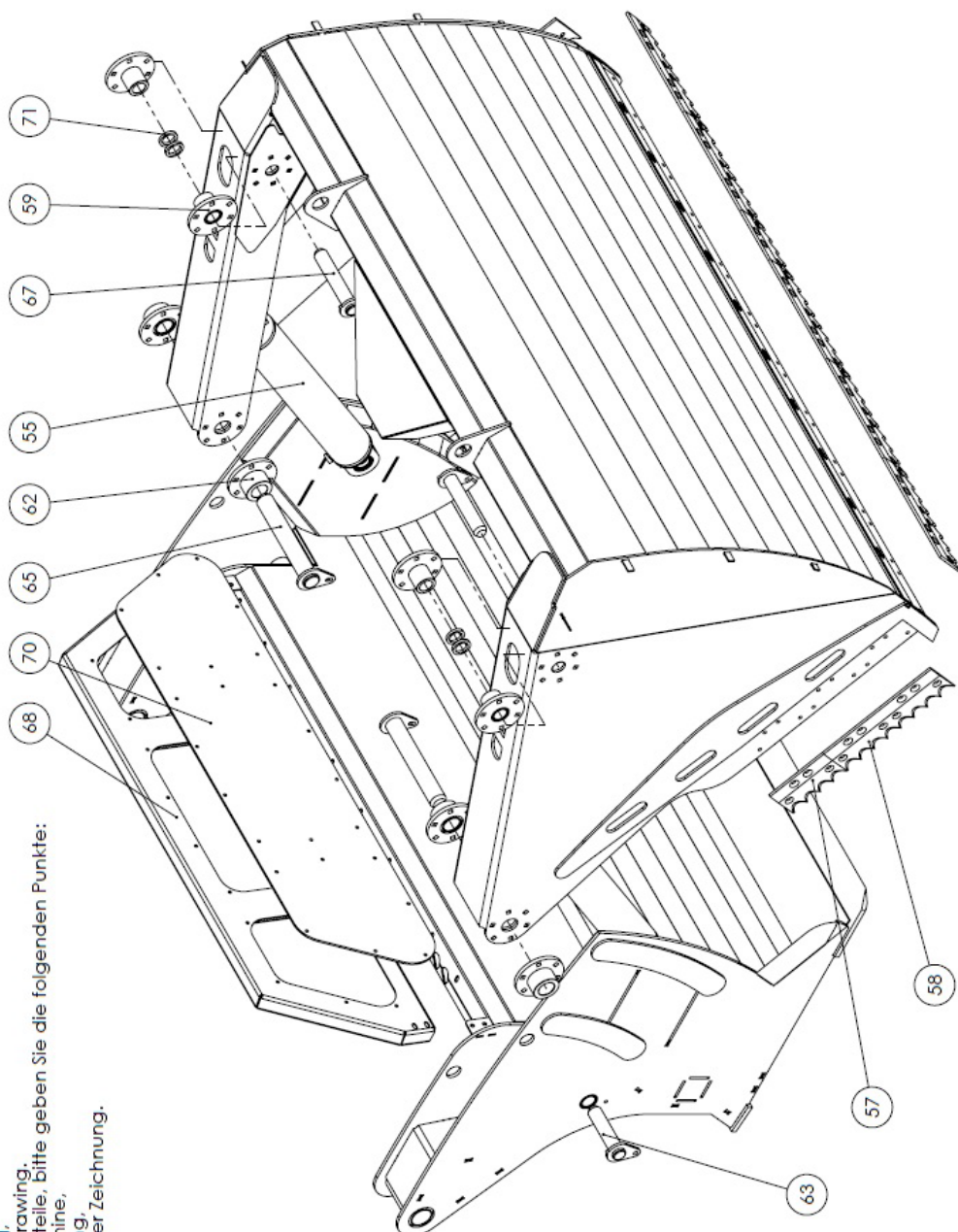
The item number in the drawing.

- Bei der Bestellung von Ersatzteile, bitte geben Sie die folgenden Punkte:

Seriennummer der Maschine,

Der Name der Zeichnung,

Die Positionsnummer in der Zeichnung.



Drawing: KHXL01

11 WARRANTY CONDITIONS

Unless mentioned otherwise, the guarantee conditions as indicated within the METAALUNIE CONDITIONS, formerly referred to as the SMECOMA CONDITIONS, as published by the Koninklijke Metaalunie will be applied.

The clauses below are taken from this METAALUNIE CONDITION as issued by the Koninklijke Metaalunie in 2014.

Article 14: Warranty and other claims

- 14.1 Unless otherwise agreed in writing, the Contractor warrants the proper execution of the agreed performance for a period of six months after delivery/completion. In the event that a different warranty period is agreed, the other paragraphs of this article are also applicable.
- 14.2. If the agreed performance was not properly executed, the Contractor will decide whether to properly execute it as yet or to credit the Client for a proportionate part of the invoice amount. If the Contractor chooses to properly execute the performance as yet, it will determine the manner and time of execution itself. If the agreed performance consisted (entirely or partially) of the processing of material provided by the Client, the Client must provide new material at its own risk and expense.
- 14.3. Parts or materials that are repaired or replaced by the Contractor must be sent to the Contractor by the Client.
- 14.4. The Client bears the expense of:
 - a. all costs of transport or dispatch;
 - b. costs of disassembly and assembly;
 - c. travel and accommodation expenses.
- 14.5. The Client must in all cases offer the Contractor the opportunity to remedy any defect or to perform the processing again.
- 14.6. The Client may only invoke the warranty once it has satisfied all its obligations to the Contractor.
- 14.7. a. No warranty is given if the defects result from:
 - normal wear and tear;
 - improper use;
 - lack of maintenance or improper maintenance;
 - installation, fitting, modification or repair by the Client or third parties;
 - defects in or unsuitability of goods originating from, or prescribed by, the Client;
 - defects in or unsuitability of materials or auxiliary materials used by the Client.

b. No warranty is given in respect of:

- goods supplied that were not new at the time of delivery;
- the inspection and repair of goods of the Client;
- parts for which a manufacturer's warranty has been provided.

14.8 The provisions of paragraphs 2 to 7 of this article apply mutatis mutandis to any claims by the Client based on breach of contract, non-conformity or on any other basis whatsoever.

14.9 The Client cannot assign any rights under this article.

This image shows a full page of white paper with horizontal dotted lines, typical of primary school writing paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

