FLINGK

Machinebouw

Product catalogue

Engineered to perfection

Product catalogue

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Product catalogue

- **All hydraulic machines are supplied with hoses of ± 110 cm from the center of the attachment in the center of the machine. The hoses are equipped with male agricultural couplings.**
- **With the minimum oil capacity, at least 1 cubicle can be spread with the spreaders if the conveyor belt is kept at a height of 1 m.**
- We assume no liability for typing and printing errors.
- Customer specific options not included.
- All weights and dimensions given in this catalogue are exlusive options or attachments.
- Subject to deviations in weight and size from the data in this catalogue.
- Transport of the machines in this catalogue on public roads is only allowed if they have the mandatory lighting, markings, signs and dimensions following the traffic laws in the country the machine is located.
- The attachments supplied by Flingk are designed for the most common situations. For machines with Z-kinematics, dimensions of the boom should be passed on to avoid the boom hitting the machine.
- The terms and conditions of the most recent version of the Metaalunievoorwaarden (metal union conditions), filed at the Registry of the District Court of Rotterdam, apply to all our orders, quotations and agreements.

Bedding technique

Introduction

95% of the dairy farms have cow cubicles. The cubicle is a very important place in the barn, since there the cow ruminates, produces milk and rests. Therefore it must be a comfortable place for the cow. In order to achieve this, well-maintained bedding is essential.
The type of bedding material plays a very important role and the bedding must be refreshed en replaced regularly. Flingk offers various spreaders for different types of bedding and various situations to distribute bedding well and efficiently.

Deep litter or mats/cow mattress
We distinguish between cubicles with deep litter and cubicles with mats.
When daily small quantities of bedding are distributed to cow cubicles with mats the best choice is the electric spreader SE 250 or the hydraulic linkage spreader Z type. With these machines it is possible to distribute small quantities of bedding very precisely. Cubicles with deep litter require a larger quantity of bedding. In that case the Z, S, SX, ZX, ZXS and KSS types are very suitable.
The table below shows which types of spreaders can be used for the various types of bedding material.
In this catalogue all the types of spreaders are described.
If you have any questions or if you need advice please contact your dealer or Flingk.

		Type BV	Type BVR	Type SE	Type Z	Type S	Type SX	Type ZX	Type ZXS	Type KSS
Z	Sawdust	X	X	X	X	X		X	X	X*
GS	Crushed straw (max. 1,5 cm) ***		X	X	X	X		X	X	X*
HS	Chopped straw (max. 7 cm) ***		X					X	X	X
M	Green bedding	X	X					X	X	X
MI	Green bedding ensiled	X	X						X	X
K	Lime			X	X	X*	X			X*
S	Sand	X	X			X	X			
PM	Horse manure with wood shavings		X						X	X
PMS	Horse manure with straw		X							X
KS	Mixture of straw, lime and water (1:5:2)		X							X
KV	Mixture of sawdust / ground flax and lime		X	X	X	X*			X	X*
KVW	Mixture of sawdust / ground flax, lime and water		X							X**
TP	Tomato plant residues		X					X	X	X
PS	Paper shreds		X						X	X
SP	Straw pellets		X		X	X*	X		X*	X*

* *Bottom plate option is required*
** *When spreading KVW, this must be indicated when ordering the machine*
*** *Bedding material should be loose, not pressed together from a bale*

Option sweeping brush

Bedding technique

View on YouTube

Cubicle conditioner type BV/BVR

Often between two cubicles a pile of bedding arises, which means the cows lie in a hole. You can prevent this with the cubicle conditioner, resulting in comfort for your cows and more efficient use of bedding. Type BV is suitable for fine bedding such as sawdust, thick fraction, dry compost and sand in combination with a hanging cubicle. Type BVR is also suitable for more heavy bedding materials such as a mixture of straw, lime and water. Pay attention to the minimum free height, in consultation with your dealer or Flingk.
The arm of type BV can be folded hydraulically and has an adjustable stop against the cubicle edge. An adjustable scraper pushes the bedding material in at the edge and a rake flattens the rest of the cubicle. The rake arm can be adjusted in angle. An insert plate makes a slide out of the rake.
Type BVR has a hydraulically driven rotating disc with teeth that scrape loose and smooth the bedding material. The arm can be manually adjusted in angle and can swivel from left to right. The machine is also suitable for cubicles with a leg in the front.

Type	LxWxH folded (mm)	LxWxH unfolded (mm)	Weight (kg)	Minimal required oil capacity	Maximum oil capacity
BV 2400	550x1265x2500	550x3300x745	242	20 l/min 175 bar	50 l/min 225 bar
BVR 2400	2960x1260x850	910x3130x850	295	20 l/min 175 bar	50 l/min 225 bar

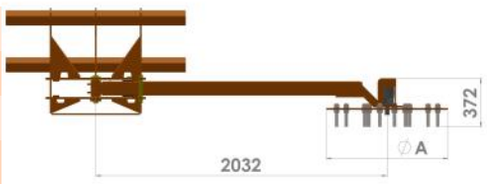
Type BV

Type BV

Type BVR

Technical specifications type BV

- Widht slider (including edge scraper) 1720 mm, 310 mm removable
- Length of tines 115 mm
- Works on the right side of the wheel loader
- Hydraulically foldable
- Adjustable angle for rake arm
- Insert plate for rake arm (rake becomes a shovel)
- 2-layer powder coating



Type BVR

Technical specifications type BVR

- Standard disc diameter (A) is 850 mm for floating cubicles. Optional 600 mm for cubicles with leg
- Length of tines 115 mm
- Works on the left and right side of the shovel. Manual angle adjustment
- 2-layer powder coating

Options	Weight (kg)
• Hydraulic swivel, 90 degrees left or right (type BVR)	
• Speed control 2 directions (type BVR) Recommended when the speed cannot be controlled from the wheel loader.	

Bedding technique

View on YouTube

Type SE

The SE bedder is an electric powered spreader running on two 12V batteries.
The bedder must be pushed along by hand. The electric powered stirrer prevents clogging and the conveyor distributes the bedding to the cow cubicle. The speed of the conveyor is infinitely adjustable so the thickness of the bedding layer can be precisely determined.
The quantity of bedding to be spread can be precisely adjusted with a mechanical metering shutter.
See page 4 to see in detail which bedding materials this machine is suitable for.

Type	LxWxH (mm)	Content (L)	Weight empty (kg)	Max. loading weight (kg)	Voltage (V-DC)	Spreading height (mm)	Bedding reach (mm)
SE 250	1210x780x1250	220	100	80	24	500	0-2000

Technical specifications

- Discharges to the left and the right
- Speed of conveyor infinitely adjustable
- Quantity of bedding adjustable by means of mechanical metering shutter
- Equipped with a mixing auger that mixes, for example, chalk and dust while discharging
- In height adjustable handle
- 2 x 24V electric motor
- 2 x 12V AGM battery (maintenance free)
- Charger included
- Pneumatic tires 4.00 x 8
- 2-layer powder coating

Options	Weight (kg)
• Big wheels, 5.00x8	
• Swivel caster (third wheel)	

Option big wheels

Option swivel caster

Bedding technique

Type Z

The Z bedder is a machine for the precise spreading of sawdust or crushed straw in cubicles with mattresses. For spreading small amounts of bedding material daily a metering slide is mounted. This metering slide can be easily adjusted.

Type	LxWxH (mm)	Content (L)	Weight empty (kg)	Max. loading weight (kg)	Minimal required oil capacity	Maximum oil capacity
Z 600	1090x1420x1190	600	310	500	25 l/min 175 bar	60 l/min 225 bar
Z 750	1190x1420x1200	750	320	625	30 l/min 175 bar	60 l/min 225 bar
Z 1000	1300x1420x1310	1000	340	775	30 l/min 175 bar	60 l/min 225 bar
Z 1500	1460x1820x1450	1500	430	975	35 l/min 175 bar	60 l/min 225 bar

Technical specifications

- Technical specifications
- Discharges to the left and to the right
- Hardox blade and wear strip
- One double acting hydraulic function required
- Hydraulic motors with flexible couplings and relief valve
- Metering shutter + hydraulic control system for rotational direction of metering roll (for precise distribution of very small quantities)
- Conveyor with sealed edges and scraper
- Rubber covered drive- and second roller
- 2-layer powder coating

Options	**Weight (kg)**
• Foldable sweeping brush on the left or on the right side (one extra double-acting hydraulic function needed)	
• Flow and pressure limiter (required when driving machine exceeds the hydraulic pressure and flow)	

Bedding technique

Type S

The S bedder is a heavy duty bedder for distributing sand but can also distribute sawdust, compressed straw and dry compost. The bedder has a wheel at the bottom of the bucket to prevent clogging. Between the bearings and the hydraulic motor are spacers so sand will not get into the bearings. The machine is standardly equipped with a heavy duty three-layer conveyor, an extra heavy duty frame and sheet metal to guarantee a long service life.
See page 4 to see in detail which bedding materials this machine is suitable for.

Type	LxWxH (mm)	Content (L)	Weight empty (kg)	Max. loading weight (kg)	Minimal required oil capacity	Maximum oil capacity
S 750	1180x1520x1200	750	400	1200	30 l/min 175 bar	75 l/min 225 bar
S 1000	1210x1720x1250	1000	445	1600	35 l/min 175 bar	75 l/min 225 bar
S 1300	1220x2120x1250	1300	565	2150	50 l/min 175 bar	75 l/min 225 bar

Technical specifications

- Heavy duty frame and sheet metal
- Hardox blade and wear strip
- Discharges to the left and to the right
- One double acting hydraulic function required
- Hydraulic motors with flexible couplings and relief valve
- Manually adjustable metering valves
- Big metering roll at the bottom of the bucket
- Heavy duty three-layer conveyor with double sealed edges and scraper
- Rubber covered drive- and second roller
- 2-layer powder coating

Options	**Weight (kg)**
• Metering shutter (for precise distribution of very small quantities, not suited for sand)	
• Foldable sweeping brush on the left or on the right side (one extra double-acting hydraulic function needed)	
• Flow and pressure limiter (required when driving machine exceeds the hydraulic pressure and flow)	

Bedding technique

View on YouTube

Type SX

This sand bedder is not equipped with rollers but with an oscillating mechanism in the bucket.
Because there is no rotating roller the machine has a longer service life.
Thanks to the thick sheets, a Hardox blade, Hardox wear parts and an extra thick three-layer conveyor the machine is highly suitable for sand.
The opening of the oscillating mechanism can be adjusted so both dry and wet sand can be processed.
This bedder is standardly equipped with a speed control device that enables precise distribution.
See page 4 to see in detail which bedding materials this machine is suitable for.

Type	LxWxH (mm)	Content (L)	Weight empty (kg)	Max. loading weight (kg)	Minimal required oil capacity	Maximum oil capacity
SX 750	1230x1520x1230	750	420	1200	30 l/min 175 bar	60 l/min 225 bar
SX 1000	1230x1720x1230	1000	475	1600	35 l/min 175 bar	60 l/min 225 bar
SX 1300	1280x2120x1310	1300	585	2150	50 l/min 175 bar	75 l/min 225 bar

Technical specifications

- Heavy duty frame and sheet metal
- Discharges to the left and to the right
- Hardox blade and wear strip
- One double acting hydraulic function required
- Hydraulic motors with flexible couplings and relief valve
- Heavy duty three-layer conveyor with double sealed edges and scraper
- Distribution by means of an oscillating mechanism ensures less wear
- Rubber covered drive- and second roller
- 2-layer powder coating

Options	Weight (kg)
• Flow and pressure limiter (required when driving machine exceeds the hydraulic pressure and flow)	

Bedding technique

Type ZX

The ZX bedder has an extra stirrer at the top of the bucket. Therefore this machine can process products that are more susceptible to clogging. The hydraulic motors have flexible couplings and the chain guard can be easily opened for maintenance. The ZX can process sawdust, crushed straw, chopped straw, dry compost and green bedding (if it has not been ensiled), which makes it a versatile spreader.
See page 4 to see in detail which bedding materials this machine is suitable for.

Type	LxWxH (mm)	Content (L)	Weight empty (kg)	Max. loading weight (kg)	Minimal required oil capacity	Maximum oil capacity
ZX 750	1310x1430x1310	750	330	500	25 l/min 175 bar	60 l/min 225 bar
ZX 1000	1390x1430x1380	1000	350	775	30 l/min 175 bar	60 l/min 225 bar
ZX 1200	1390x1630x1380	1200	390	850	30 l/min 175 bar	60 l/min 225 bar
ZX 1500	1500x1830x1480	1500	450	975	35 l/min 175 bar	60 l/min 225 bar

Technical specifications

- Discharges to the left and to the right
- Hardox blade and wear strip
- One double acting hydraulic function required
- Hydraulic motors with flexible couplings and relief valve
- Manually adjustable metering valves
- Big metering roll at the bottom of the bucket
- Conveyor with sealed edges and scraper
- Rubber covered drive- and second roller
- 2-layer powder coating

Options	Weight (kg)
• Foldable sweeping brush on the left or on the right side (one extra double-acting hydraulic function needed)	
• Flow and pressure limiter (required when driving machine exceeds the hydraulic pressure and flow)	

Bedding technique

Type ZXS

The ZXS bedder is a variation on the ZX type. Because of the special system with three rollers in the bucket and heavy duty hydraulic powering, this bucket is not susceptible to clogging. The high revving conveyor can distribute widely. Where previously it was not possible to distribute in certain situations and with certain machines, this is now possible with the ZXS. With enough oil it is possible to distribute much further. Merely a shovel or a tractor with small oil capacity will do. The ZXS is suitable for distributing sawdust, crushed straw, chopped straw, dry compost, green bedding and horse manure (with wood shavings).
See page 4 to see in detail which bedding materials this machine is suitable for.

Type	LxWxH (mm)	Content (L)	Weight empty (kg)	Max. loading weight (kg)	Minimal required oil capacity	Maximum oil capacity
ZXS 1000	1270x1620x1415	1000	480	775	20 l/min 175 bar	60 l/min 225 bar
ZXS 1500	1380x1820x1560	1500	550	975	25 l/min 175 bar	60 l/min 225 bar

Technical specifications

- Discharges to the left and to the right
- Hardox blade and wear strip
- One double acting hydraulic function required
- Hydraulic motors with flexible couplings and relief valve
- Big metering screw at the bottom of the bucket
- Two metering rolls above the metering screw to prevent clogging
- Conveyor with sealed edges and scraper
- Rubber covered drive- and second roller
- 2-layer powder coating

Options	Weight (kg)
• Straight beam Makes it possible to distribute with a straight beam instead of a spraying arch, for example to distribute over the feed fence and pit with minimal waste	
• Adjustable bottom plates For precise distribution of the quantity of bedding, even very small quantities *(these options cannot be combined)*	
• Flow and pressure limiter (required when driving machine exceeds the hydraulic pressure and flow)	

Bedding technique

View on YouTube

Type KSS

The all-rounder. This spreader is developed to distribute types of bedding that are heavier and more difficult to process such as horse manure or a mixture of chalk/water/straw. The bucket has a special shape to make sure the bedding material will sink easily. The two separately powered metering rolls with heavy duty hydraulic motors prevent clogging.
The spreader can process sawdust, crushed straw, chopped straw, dry compost, green bedding, horse manure, lime and a mixture of lime/water/straw. See the table on page 4 for details.
For processing sawdust, ground straw, ground rapeseed straw, dry box compost, a mixture of sawdust / ground flax and lime, pure lime and straw pellets the optional adjustable bottom plate is required.

Option adjustable bottom plate

Bedding technique

Type KSS

Type	LxWxH (mm)	Content (L)	Weight empty (kg)	Max. loading weight (kg)	Minimal required oil capacity	Maximum oil capacity
KSS 750	1080x1320x1470	750	425	700	35 l/min 175 bar	60 l/min 225 bar
KSS 1015	1080x1520x1460	1000	475	800	35 l/min 175 bar	60 l/min 225 bar
KSS 1500	1080x1820x1520	1500	530	1100	40 l/min 175 bar	60 l/min 225 bar
KSS 1800	1080x2220x1520	1800	605	1250	40 l/min 175 bar	60 l/min 225 bar
KSS 2000	1330x2200x1580	2000	695	1350	40 l/min 175 bar	60 l/min 225 bar
KSS 2500	1390x2530x1730	2500	800	1600	50 l/min 175 bar	75 l/min 225 bar
KSS 2500 HD	1550x2450x1740	2500	1150	1700	60 l/min 175 bar	80 l/min 225 bar
KSS 3500 HD	1560x2950x1860	3500	1700	2300	60 l/min 175 bar	80 l/min 225 bar
KSS 4500 HD	1620x2950x2160	4500	1850	3000	60 l/min 175 bar	80 l/min 225 bar

Technical specifications

- Discharges to the left and to the right
- Hardox blade and wear strip
- One double acting hydraulic function required
- Metering rolls with heavy duty hydraulic motors
- Hydraulic motors with flexible couplings and relief valve
- Two big metering rolls at the bottom of the bucket
- Conveyor with sealed edges and scraper
- Rubber covered drive- and second roller
- Up from KSS 1800 standardly equipped with heavy duty three-layer PVC conveyor
- HD models extra heavy duty drive and 500 mm wide conveyor belt
- HD models equipped with hydraulic speed control on the metering rolls
- HD models equipped with automatic reverse valve on the metering rollers, in case of jamming the direction of rotation of the rollers changes
- 2-layer powder coating

Options	**Weight (kg)**
• Removable adjustable bottom plate (not possible for KSS HD)	
• Hydraulic speed control conveyor belt 1 direction (left or right)	
• Hydraulic speed control conveyor belt 2 directions (left and right)	
• Flow and pressure limiter (required when driving machine exceeds the hydraulic pressure and flow)	

Please note that for HD models XL attachments are required!

Poultry house bedders

View on YouTube

Type BS

The Flingk BS full width spreader is particularly suited for distributing a fine layer of sawdust/wood shavings, crushed/chopped straw, straw pellets peat or dry compost in poultry houses. The spreader has two distribution discs that spread the bedding over a width of up to 5 to 6 meters. The supply to the distribution discs happens with two screws that transport the bedding material through the bucket on to the spreading discs. The quantity can be adjusted by means of two adjustable openings above the distribution discs. Next to the discs adjustment plates are placed to adjust the distribution over the width more precisely, regardless of the type of bedding that is processed.
The BS spreader distributes the bedding material very precisely in order to create the perfect bedding for your poultry.

Type	LxWxH (mm)	Bucket width (mm)	Content (L)	Weight empty (kg)	Max. loading weight (kg)	Minimal required oil capacity	Maximum oil capacity
BS 1000	1270x1590x1310	1400	1000	418	600	30 l/min 175 bar	60 l/min 225 bar
BS 1500	1300x2240x1330	2200	1500	620	800	30 l/min 175 bar	60 l/min 225 bar
BS 2000	1370x2270x1580	2200	2000	682	1000	40 l/min 175 bar	60 l/min 225 bar
BS 3000	1500x2580x1760	2500	3000	800	1200	40 l/min 175 bar	60 l/min 225 bar

Technical specifications

- Suitable for distributing sawdust/wood shavings, crushed/chopped straw, straw pellets and peat
- Two distribution discs, separately driven
- Two screws with serrated edge
- Manually adjustable distribution
- One single acting or double acting hydraulic function required
- Hardox blade and wear strips
- Hydraulic motors with flexible couplings and relief valves
- 2-layer powder coating

Options	Weight (kg)
• Adjustable speed control for metering rolls (for precise distribution of fine materials such as straw pellets)	
• Flow and pressure limiter (required when driving machine exceeds the hydraulic pressure and flow)	

Poultry house bedders

View on YouTube

Type OL

The Flingk OL bottom discharge spreader can distribute bedding over the full width of the machine. This creates little dust.
The distribution happens by means of a hydraulic powered wheel with cleats.
The speed of the wheel can be adjusted so the distribution can be controlled precisely. An extra wheel at the top of the bucket and a wheel at the bottom of the bucket prevent clogging and ensure that there is a constant supply of bedding over the full width of the bucket.
Since there is a shutter on the left side of the bucket it is also possible to distribute bedding right up to a wall. The spreader can process sawdust/wood shavings, crushe/chopped straw, peat and dry compost.
A perfect machine to create the perfect bedding for your poultry.

Type	LxWxH (mm)	Content (L)	Weight empty (kg)	Max. loading weight (kg)	Minimal required oil capacity	Maximum oil capacity
OL 1500	1390x1960x1270	1500	590	750	30 l/min 175 bar	75 l/min 225 bar
OL 2000	1430x2360x1340	2000	690	1000	30 l/min 175 bar	75 l/min 225 bar
OL 3000	1570x2560x1560	3000	795	1200	35 l/min 175 bar	75 l/min 225 bar

Technical specifications

- Suitable for distributing sawdust/wood shavings, crushed/chopped straw, peat and dry compost
- Metering roll for equal distribution of the bedding
- Two extra wheels prevent clogging and ensure a steady supply of bedding material to the metering roll
- Distribution hydraulically adjustable
- One single acting or double acting hydraulic function required
- Shutter on the left side to distribute bedding to the strip along the walls
- Hardox blade and wear strips
- Hydraulic motors with flexible couplings and relief valves
- 2-layer powder coating

Options	Weight (kg)
• Flow and pressure limiter (required when driving machine exceeds the hydraulic pressure and flow)	

Straw spreading technique

View on YouTube

Type SVV

The SVV straw spreader ensures a quick and easy way to distribute straw. The machine grabs the bale. The strings are removed and can be rolled up by means of a winding system. Before the distribution starts, the machine tilts backwards so the bale is in a vertical position. Two distribution rollers pull the straw apart and discharge it at the bottom, without cutting the straw. Optionally a conveyor can be mounted to discharge to the left or to the right. It is also possible to mount two discs to distribute the straw over a with up to 5 meters. Another option is a quick-change system to quickly exchange or remove spreading modules.
The machine produces low amounts of dust and is ideal for any straw consuming business.

With the SVV 2500, a whole bale of 2500x1200x900 mm can be loaded.
A conveyor belt 1800x700 mm is used in this example. The conveyor belts are also available in HD version for machines with large oil flow capacity and very intensive use.

With the SVV 1000, designed for mini loaders, a third to half a bale of 2500x1200x900 mm can be loaded.
In this picture a conveyor belt of 1800x700 mm is used. The conveyor belt can distribute to the left and right side up to 3 meters far. This is measured from the outside of the machine with the conveyor belt at a height of 1.8 m.

Instead of the conveyor belt, spreading discs can also be mounted to distrubute the straw across the width. Depending on oil flow, the discs spread 3 to 6 meters wide.

As an option, a unit can be mounted in combination with a conveyor belt to spread up to 6 meters. The unit can be mounted at the left and / or right side.

To quickly remove or exchange spreading modules, a quick-change system can be mounted. By means of 2 latches, the spreading module can be disconnected/connected.

Straw spreading technique

Type SVV

Type	LxWxH (mm)	Weight empty (kg)	Minimal required oil capacity	Maximum oil capacity	Maximum bale size (mm)
SVV 1000	1250x1500x1770	465	30 l/min 175 bar	60 l/min 225 bar	1200x900x1000
SVV 1250	1250x1500x1970	605	40 l/min 175 bar	60 l/min 225 bar	1200x900x1250
SVV 1250 HD	1250x1620x1970	630	60+30 l/min 175 bar	100+60 l/min 225 bar	1200x900x1250
SVV 2500	1250x1500x2970	710	40 l/min 175 bar	60 l/min 225 bar	1200x900x2500
SVV 2500 HD	1250x1620x2970	735	60+30 l/min 175 bar	100+60 l/min 225 bar	1200x900x2500

Technical specifications

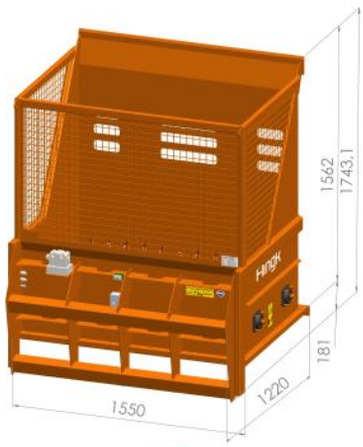
- Type SVV 1000 is suitable for machines with a weight of up to 3 tons
- Separately powered distribution rollers
- Hydraulic motors with flexible couplings
- Automatic diverter valve when straw gets stuck
- Maintenance-friendly machine, only few moving parts
- One double acting hydraulic function needed
- The HD versions have a heavier drive and thicker hydraulic hoses. There is also the choice of dividing the oil flow or driving the machine with 2 hydraulic functions
- Drain line on hydraulic motors, connected to the return of the hydraulic function
- 2-layer powder coating

Options	**Weight (kg)**
• Pressure filter (recommended, standard at SVV HD), filters the oil to protect the valves	
• Machine for bales 120x120 cm (type SVG)	
• Manual winding system for ropes (only possible on SVV 2500 (HD))	
• Distribution module with conveyor belt 700 mm wide, left + right distribution up to 2,5 metres (machine becomes 40 cm higher) 1600 mm long 1800 mm long 2100 mm long 2500 mm long 3000 mm long	 205 215 245 270 340
• Distribution module with spreading discs (wide spread) (machine becomes 37 cm higher)	300
• Quick change for conveyor belt / spreading discs (machine becomes 10 cm higher) Fixed part (on SVV base machine) Exchangeable part (spreading module)	 26 40
• Unit for far spreading (up to 5 á 6 meters with sufficient oil capacity) For left and / or right, combined with a voneyor 1600x700 (machine becomes 400 mm wider). Price is per side	
• Manual reversing valve for rollers (for fast or slow distribution)	
• Flow and pressure limiter (required when driving machine exceeds the hydraulic pressure and flow)	

Straw spreading technique

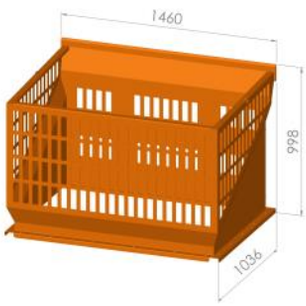
Type SVV

SVV 1000



465 kg

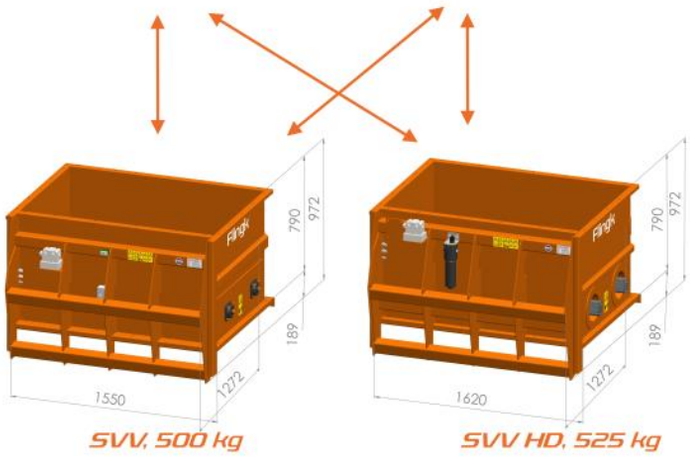
SVV 1250 (HD)



105 kg

SVV 2500 (HD)

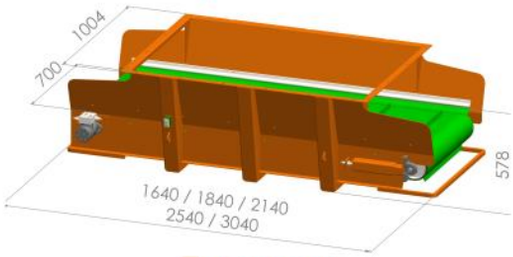
210 kg



SVV, 500 kg

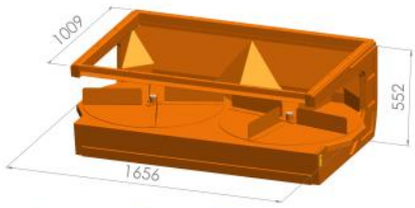
SVV HD, 525 kg

Options



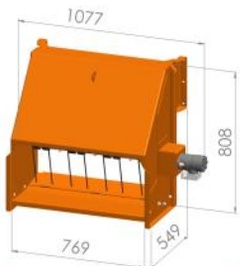
Conveyor

- 1600x700 mm (205 kg)
- 1800x700 mm (215 kg)
- 2100x700 mm (245 kg)
- 2500x700 mm (270 kg)
- 3000x700 mm (340 kg)

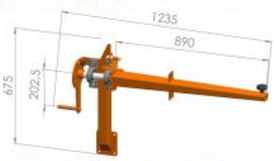


Spreading discs (300 kg)
Wide spread

Quick change (66 kg)
Quick removal / exchange of conveyor and/or spreading discs



Spreader attachment (90 kg)
In combination with conveyor
Left or right spreading up to 6 meters
Machine (conveyor) will be 400mm wider



Rope pilot system (18 kg)
Only for SVV 2500 (HD)

FLINGK
Machinebouw

Engineered to perfection

Straw spreading technique

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Straw blower type SHC

The SHC straw blower from Flingk is a compact and light straw blower. The machine is specially designed to work with a small wheel loader or small telescopic handlers.
Type SHC has a chute spreading to the left side, with which the spreading depth can be regulated from the cabin.
Type SHC R has a chute that can also be rotated 275° for fast and flexible work.

The hydraulically driven bottom chain pushes the straw to the fast rotating roller. The roller loosens the straw and feeds it to the blower. The straw is dosed by counter knives which prevents blockages. The roller and chain are controlled from the cabin and can be reversed.
The bottom chain stops automatically if the load is too high.

The straw is loosened without damaging it between the discharge roller and the turbine before it is sucked in by the discharge vanes and collected. Even long straw is not shredded, it is bent and the channels opened in as many places as possible. The structure is maintained and the straw layer lasts longer and requires less frequent mucking out.

The roller and chute are controlled by a control unit with joysticks from the cabin. The controls are robust and intuitive. As an option, the remote control is available wirelessly, for quick and easy mounting on any machine.

The straw blower can be fitted with optional partitions to raise the side walls. This reduces spillage to a minimum with high (round) bales. The flap above the roller can be adjusted in angle.

Straw spreading technique

Straw blower type SHC

With the optional clamp the bale is kept inside the machine. When the bale is loaded, the clamp can be lowered to prevent spillage.

Type	LxWxH (mm)	Weight empty (kg)	Minimal required oil capacity	Maximum oil capacity	Maximum spreading distance (m)
SHC 1450 R	2425x1620x1980	700	35 l/min 175 bar	75 l/min 225 bar	12 (left) 10 (right)

Technical specifications

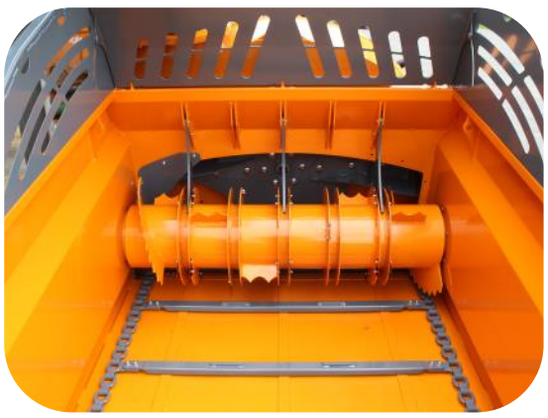
- Maximum bale size square 120x120x145 cm or Ø150 cm
- Robust floor chain with heavy-duty hydraulic drive in combination with a gear box
- Speed of the bottom chain is infinitely adjustable
- Dosing roller with built-in heavy hydraulic motor
- Spreading distance up to 12 metres, depending on the oil flow rate
- 275° rotating chute
- Flap under floor chain for easy removal of stones and dirt
- Electrical control of the functions from the cabin
- Freewheel on the blower
- 1 double-acting hydraulic function required
- 12V connection required in the cabin (min. 10A)
- 8 metre cable supplied for installation on driving machine (not with wireless remote control option)
- 2-layer powder coating

Options	Weight (kg)
• Sidewalls To raise the sidewalls and thus minimise spillage, recommended when using round bales and square bales with a diameter of 120x120 cm	45
• Clamp to keep the bale inside Easy to load bale of straw and avoid spillage	14
• Water sprayer Dust formation is thus reduced. Power supply of at least 15A required. Please note that the use of the water sprayer reduces the spreading distance.	
• Wireless remote control (radio) This eliminates the need for a cable from the boom to the cabin. Extra 12V connection on the boom is required.	
• Flow and pressure limiter (required when driving machine exceeds the hydraulic pressure and flow)	

Straw spreading technique

Straw blower type SH

Flingk's SH straw blower is designed for fast and efficient distribution of bales of straw. It has a large capacity and is designed for shovels and telescopic handlers from 5 tonnes dead weight. The 275° rotating blowpipe ensures a wide spreading range while keeping the driver safe. The maximum blowing distance is about 15 metres.



The hydraulically driven bottom chain feeds the straw to the fast-turning metering roller. The roller loosens the straw and feeds it to the blower. Counter knives dose the straw and prevent blockages. The roller and bottom chain are controlled from the cab and can be reversed.
The bottom chain automatically stops when the load is too high.

Between metering roller and turbine, the straw is loosened without damaging it. The straw is then sucked in by the turbine and blown away. Both short and long straw are not chopped, the straw is kinked and the capillaries are opened in as many places as possible. The structure is thereby retained, which means that the straw layer lasts longer and less frequent mucking out is required.

All machine functions are controlled by remote control from the cabin. All functions can be operated separately.
Operation is robust and intuitive. The remote control is wireless (radio controlled) as standard, making the straw blower quick and easy to mount on any machine.

Type SH 2500 R is equipped with a hydraulic loading flap. This makes it easier to load the bale of straw and minimises tampering. When the flap is fully retracted, the machine is compact, making it easier to manoeuvre.

Straw spreading technique

Straw blower type SH

Optionally, the straw blower can be fitted with a water nozzle. Due to the efficient placement of the nozzles, dust is reduced to a minimum.
The system is equipped with a large water tank that allows spreading several bales without refilling.

Type	LxWxH (mm)	Weight empty (kg)	Minimal required oil capacity	Maximum oil capacity	Maximum spreading distance (m)	Maximum bale size (mm)
SH 2500 R	2400x1750x2300	1440	50 l/min 175 bar	100 l/min 225 bar	15	1200x1200x2500 Ø1800

Technical specifications

- Robust floor chain with heavy-duty hydraulic drive in combination with a gearbox
- Continuously adjustable speed of bottom chain
- Dosing roller with built-in heavy-duty hydraulic motor
- Spreading distance up to 15 metres, depending on type and oil flow rate
- 275° rotatable blowing nozzle
- 2 valves under bottom chain for easy removal of stones and dirt
- Electrical control of functions from the cabin
- Radio remote control as standard
- Freewheel on blower
- 1 double-acting hydraulic function required
- 12V connection required on boom (min. 15A) and in cabin (min. 1A)
- 2-layer powder coating

New!!

Options	Weight (kg)
• Water sprayer Dust formation is thus reduced. Power supply of at least 25A required on the boom. Please note that the use of the water sprayer reduces the spreading distance.	
• Flow and pressure limiter (required when driving machine exceeds the hydraulic pressure and flow)	

Feeding technique

View on YouTube

Beet cleaner & cutter type BRS

In order to increase milk production, a good option is to add feed beets to the ration. Feed beets stimulate the dry matter absorption from silage and the sugars from the beets provide a lot of energy and ensure a good rumen fermentation.
To make the absorption by the livestock more efficient and palatable, the beets must be cleaned and cut. By means of the BRS, the beets are simply cleaned and cut. Then you can unload it directly in front of the cattle or in a mixer wagon. It is also possible to choose to ensile the beets together with the maize.
With one double acting hydraulic function, you can clean and cut. For faster and improved cleaning, water sprayers can be mounted.
The bin at the bottom of the machine ensures that no sand or other dirt gets on your yard or on the feed passage.

By turning the stirrer counterclockwise left, the beets are cleaned. The sand and other dirt falls through a grid in het bin underneath the machine.
By turning the stirrer clockwise, the beets arefed towards the cutting device.

The cutting box, which is located on the left side of the machine, cuts the beets into small pieces and unloads them under the box.The cutting roller is also suitable for cutting potatoes and carrots. The cutting length can be adjusted by adjusting the blades and counter knife.
For stones or other hard materials a hydraulic protection mechanism is built on.

At the bottom of the machine there is a bin for sand and other dirt. By tilting the machine forward, the bin can be emptied.

Feeding technique

Beet cleaner & cutter type BRS

Optionally water sprayers can be installed to speed up and improve the cleaning process. By reversing the direction of the stirrer after cleaning, the beets will be lead to the cutting box.

Type	LxWxH (mm)	Bucket width (mm)	Width cutting-box (mm)	Content (L)	Weight empty (kg)	Minimal required oil capacity	Maximum oil capacity
BRS 1000	1270x1840x1460	1500	420	1000	710	30 l/min 175 bar	75 l/min 225 bar
BRS 1500	1320x2440x1560	2100	420	1500	880	30 l/min 175 bar	75 l/min 225 bar
BRS 2000	1440x2800x1750	2280	600	2000	1030	50 l/min 175 bar	75 l/min 225 bar

Technical specifications

- Cleaning and cutting with one double acting hydraulic function
- Heavy duty hydraulic drive
- Unloading dirt by tipping the machine
- Heavy duty gearbox on stirrer
- Hydraulic stone protection by means of a cylinder with accumulator
- Hardox blade and wear strips
- Drain line on hydraulic motors
- 2-layer powder coating

Options	**Weight (kg)**
• Water sprayers	
• Flow and pressure limiter (required when driving machine exceeds the hydraulic pressure and flow)	

Feeding technique

View on YouTube

Beet cutter type BSO

In order to increase milk production, a good option is to add feed beets to the ration. Feed beets stimulate the dry matter absorption from silage and the sugars from the beets provide a lot of energy and ensure a good rumen fermentation. To make the absorption by the livestock more efficient and palatable, the beets must be cut.
With the BSO you can cut the beets very fine with a high capacity. With the long cutting rollers at the bottom of the box, it unloads over the entire width of the box. This allows you to unload directly into a mixer wagon, or to distribute it through the silage during harvest. By adjusting the counter plate closer or further from the roller, the coarseness of the chips can be adjusted. The BSO allows very fine chopping which prevents selection from the feed mixture.
With the hydraulic stone protection option, the bucket is protected against stones getting stuck, these are thrown out of the bucket while cutting. The machine is operated with 1 double-acting hydraulic function and is suitable for the 3-point of the tractor, front loader and wheel loader attachment.

The hardox cutting blades ensure retention of structure and fine chips. They are sharpened on two sides, allowing you to flip the blades when abrasion occurs.

Optional hydraulic stone safety device, when a stone comes in front of the cutting blade the valve opens allowing the stone to fall out.

The cutting roller works across the full width of the machine, which results in high capacity.

Feeding technique

Beet cutter type BSO

Type	LxWxH (mm)	Width cutting roller (mm)	Content (L)	Weight empty (kg)	Minimal required oil capacity	Maximum oil capacity
BSO 750	1325x1490x1180	1150	750	410	30 l/min 175 bar	75 l/min 225 bar
BSO 1500	1365x2045x1395	1705	1500	645	30 l/min 175 bar	75 l/min 225 bar
BSO 2500	1470x2600x1595	2260	2500	1085	50 l/min 175 bar	90 l/min 225 bar
BSO 4000	1680x2825x1865	2485	4000	1510	50 l/min 175 bar	90 l/min 225 bar

Technical specifications

- One double-acting hydraulic function required
- Unloading over the full width of the machine
- Cutting roller with hardox cutting knives (sharpened on two sides so reversible when worn)
- Cutting roller directly driven by integrated hydraulic motor
- Adjustable cutting size
- Hardox knife and wear strips
- 2-layer powder coating

Options	**Weight (kg)**
• Hydraulic stone protection with accumulator When a stone comes in front of the cutting blade a valve opens so that the stone falls out of the machine at the bottom. • BSO 750 BSO 1500 BSO 2500 BSO 4000	
• Flow and pressure limiter (required when driving machine exceeds the hydraulic pressure and flow)	

Please note that for types BSO 2500 and 4000 XL attachments are required!

Engineered to perfection

Feeding technique

SBRS Stationary beet cutter

To increase milk production and yields, a choice can be made to add fodder beets to the ration. Fodder beets stimulate dry matter intake from forage and the sugars from fodder beets provide high energy and ensure good rumen fermentation. To make intake by cattle more efficient and palatable, cleaning and cutting the beets is a must. The SBRS is a stationary electric powered machine that allows you to clean and very finely cut the beets. The fodder beets are loaded into the storage bunker which is available in different volumes. Through the rollers under the bunker, the beets are cleaned and transported to the cutting device. As an option, you can place a conveyor belt under the chopping unit to increase the unloading height.

There is a choice of a storage bunker with a capacity of 3, 4 or 6 cubic meters. Because the bunker is modular, the lowering for loading can be placed on the left or right side.

The spiral rollers clean the beets and feed them to the cutting unit. The final section the beets pass over the rollers through a "tunnel," here they are additionally cleaned before being cut. Sand and other debris falls past the rollers onto the ground below the machine.

Due to the small teeth on the cutting roller and the coun-ter comb placed close to the roller, the beets are cut very finely. This makes selection from mixed forage more difficult. The cutting device has a mechanical stone protection, when a stone enters the cutting unit the counter comb folds back and the stone falls out of the cutting unit.

Simple intuitive operation. When switched on, the cutting cabinet turns first and a few seconds later the rollers so that no voltage spikes occur. When switched off, the rollers turn off first so that the cutting cabinet is emptied. The motors are protected against overloading.

Feeding technique

SBRS Stationary beet cutter

Type	LxWxH (mm)	Width cutting roller (mm)	Content(L)	Weight empty (kg)	Required electircal power
SBRS 7000	4400x1890x1650 (2600)	520	3000	1650	400 V 25 A

Technical specifications

- Fully electric drive, 400 volts
- Delayed start and stop of the cutting roller to prevent voltage spikes
- Motors with overload protection
- Capacity up to 10,000 kg/hour
- Very fine shredding, +/- 20x20 mm
- Standard storage hopper 3000 litres
- 4 cleaning rollers for thorough cleaning
- Mechanical stone protection
- Height adjustable
- Simple operation
- 2-layer powder coating

Options	Weight (kg)
• Storage bunker 4000 litres	
• Storage bunker 6000 litres	
• Conveyor for lifting the beet Max. lifting height 2950 mm	

Feeding technique

Introduction silage shear grabs

Your silage is an important foundation for a good profit. A silage shear grab has to give you a nice cut surface, has to cut easily with a minimum of air penetrating your silage, and you have to be able to enjoy it for many years. The new range of silage shear grabs from Flingk is designed with a view to quality and durability. The pivot points are flexible. In combination with the well advised construction, this ensures that the pivot points are not susceptible to tearing. For the heavy cylinders the same flexible pivot points are used.
The front knives of the grab are easaly replacable.
The sharply milled Hardox side and bottom knives are sharp milled will cut effortlessly trough the silage.
You can choose a closed bucket or a bucket with tines. The advantage of a closed bucket is that you spill less and can also load other loose products. With a toothed bucket it is possible to push the shear grab easier into the silage.

The new Flingk series of silage shear grabs consists of 5 types. Type **KHSII** and **KHPII** are due to the low weight suitable for the smaller segment of wheel loaders, telehandlers and front loaders up to 7 tonnes machine weight. Also, due to the low weight, you can attach a wider silage shear grab to your machine, so you can grab more easily along the side of the pit. Type **KHMII** is heavier built and has a higher grab height and grab depth, making it suitable for wheel loaders, telehandlers and front loaders from 5 to 10 tonnes machine weight. Type **KHLII** is a large robust shear grab for the heavier wheel loaders and telehandlers from 8 to 18 tonnes. Due to its heavy construction and large grab height, this shear grab lends itself to intensive use in combination with a large capacity. Finally, there is type **KHVII**, with its unprecedented height and volume, this machine is suitable for the heaviest segment of shovels and telehandlers and is made to make capacity.

Also, for the maximum preservation of your pit, there is type **KHXL**. See more on page 40.

The standard silage shear grabs of types KHSII, KHMII, KHLII and KHVII are equipped with a closed bucket. The advantage of this is that it minimises spillage. Also, loose products can be loaded easily.
The bucket is fitted with sharp milled hardox blades and hardox wear strips for a long service life. By placing the bevelled edge of the blade on the underside, the blade is less vulnerable and will remain sharp for a long time.

Feeding technique

Introduction silage shear grabs

A silage shear grab with teeth on the bottom has the advantage that it is easier to push the silage cutter into the silage.
The robust tines are mounted in tight conical bushings and can therefore be replaced individually.
The addition T to the type number stands for tine base.
The tines have a diameter of 50 or 55 mm, depending on the type of silage shear grab.

In combination with the tine base, a hydraulic pusher can be chosen. This eliminates or reduces the need for tipping to dump the roughage. This is ideal when a tractor or shovel has a limited lifting height.
An extra hydraulic function is required for the hydraulic push-off mechanism.

The hydraulic pusher can be equipped with an insertion bucket. This combines the advantages of a closed bucket and a tine bucket. The insert bucket is easy to install by hooking it to the pusher and retracting it.

For mounting on the three-point linkage behind the tractor, it is possible to mount the silage shear grab on a lifting mast. This allows the silage shear grab to be lifted to a height of 180 cm.
An additional double-acting hydraulic function is required for the lifting mast.

Feeding technique

Silage shear grab type KHSII / KHPII

The Flingk KHSII and KHPII are the smalles models in the series of silage shear grabs. These are light-weight shear grabs for the smaller segment of wheel loaders, telehandlers and front loaders up to 7 tonnes. The grab height has increased with the introduction of the new series II, which has increased the volume. Furthermore, the shear grabs are provided with knives with a finer toothing, so that less force is needed to cut.
The small grab height and grab depth make the shear grab very suitable for tractor mounted front loaders. The silage shear grab can be implemented with a closed bucket or with tines. The addition T to the type number stands for tine base.

Type	LxWxH (mm)	Grab width (mm)	Content (m3)	Weight empty (kg)	Minimal required oil capacity	Maximum oil capacity
KHSII 1600	1170x1700x1060	1625	0.9	688	20 l/min 200 bar	100 l/min 225 bar
KHSII 1800	1170x1900x1060	1825	1.0	725	20 l/min 200 bar	100 l/min 225 bar
KHSII 2000	1170x2100x1060	2025	1.1	769	20 l/min 200 bar	100 l/min 225 bar
KHSII 2200	1170x2300x1060	2225	1.2	821	20 l/min 200 bar	100 l/min 225 bar
Type	**LxWxH (mm)**	**Grab width (mm)**	**Content (m3)**	**Weight empty (kg)**	**Minimal required oil capacity**	**Maximum oil capacity**
KHPII 1800 T	1270x1900x1090	1825	1.3	877	20 l/min 200 bar	100 l/min 225 bar
KHPII 2000 T	1270x2100x1090	2025	1.45	916	20 l/min 200 bar	100 l/min 225 bar
KHPII 2200 T	1270x2300x1090	2225	1.6	977	20 l/min 200 bar	100 l/min 225 bar

THE 5 UNIQUE ADVANTAGES OF THE FLINGK SHEAR GRAB

❶ The main hinge points and the cylinders are fitted with ball joints. As a result, the hinge points are not susceptible to tearing and any deformation caused by external forces can be absorbed. The hinge points are easily accessible for maintenance.

❷ The bucket of the silage cutter is rounded on the inside. This ensures that the silage can be unloaded easily and does not stick in the corners. This reduces wear and tear on the shovel or telescopic handler and improves driver comfort.
❸ The silage shear grabs have a large "overbite" so that the silage is cut well from top to bottom.

Feeding technique

Silage shear grab type KHSII / KHPII

❹ The front blades, made from wear-resistant hardened steel, have fine teeth. This ensures a clean cut and requires little force. As a result, the silage wall will stay fresh longer and there will be less force on the silage shear grab. The blades are screwed together and are therefore easy to replace in the event of damage or wear.
❺ The sharp milled lower blade is made of Hardox 500 material, which makes it extra wear-resistant. The sharp blade makes it easy to push the silage cutter into the silage. The bevel is placed at the bottom. As a result, the sharp edge of the knife is clear of the ground, which prevents damage.

Technical specifications KHSII

- Grab height 850 mm
- Grab depth 650 mm
- All pivot points fitted with greasable and replacable ball joints
- Replacable corner tips
- Replacable front knives
- Hardox 500 wear parts and blade
- 2-layer powder coating

Technical specifications KHPII

- Grab height 900 mm
- Grab depth 800 mm
- All pivot points fitted with greasable and replacable ball joints
- Replacable corner tips
- Replacable front knives
- Hardox 500 wear parts
- Diameter tines KHPII T Ø50 mm
- 2-layer powder coating

Options	Weight (kg)
• Piloted return valve (necessary for machines with an open-center hydraulic function)	
• Pressure limiter valve (required when driving machine exceeds the hydraulic pressure)	
• Hydraulic pusher for tined bucket (grab depth will increase 125 mm) KHPII 1800 KHPII 2000 KHPII 2200	 103 110 118
• Insert plate for tined bucket (can only be used in combination with a hydraulic pusher) KHPII 1800 KHPII 2000 KHPII 2200	 105 115 125
• Lift mast 1800 mm One additional single acting hydraulic function required	640

Feeding technique

View on YouTube

Silage shear grab type KHMII

The KHMII is suitable for wheel loaders, telehandlers and tractor mounted front loaders with a machine weight of 5 to 10 tonnes.
The grab height has increased with the introduction of the new series II, which has increased the volume. Furthermore, the shear grabs are provided with knives with a finer toothing, so that less force is needed to cut.
Due to the toughtful construction, the weight is limited. The silage shear grab can be implemented with a closed bucket or with tines. The addition T to the type number stands for tine base.

Type	LxWxH (mm)	Grab width (mm)	Content (m3)	Weight empty (kg)	Minimal required oil capacity	Maximum oil capacity
KHMII 1800	1280x1900x1260	1825	1.4	965	25 l/min 200 bar	100 l/min 225 bar
KHMII 1800 T	1280x1900x1260	1825	1.4	1010	25 l/min 200 bar	100 l/min 225 bar
KHMII 2000	1280x2100x1260	2025	1.55	1021	25 l/min 200 bar	100 l/min 225 bar
KHMII 2000 T	1280x2100x1260	2025	1.55	1054	25 l/min 200 bar	100 l/min 225 bar
KHMII 2200	1280x2300x1260	2225	1.7	1093	25 l/min 200 bar	100 l/min 225 bar
KHMII 2200 T	1280x2300x1260	2225	1.7	1123	25 l/min 200 bar	100 l/min 225 bar
KHMII 2400	1280x2500x1260	2425	1.85	1140	25 l/min 200 bar	100 l/min 225 bar
KHMII 2400 T	1280x2500x1260	2425	1.85	1186	25 l/min 200 bar	100 l/min 225 bar

THE 5 UNIQUE ADVANTAGES OF THE FLINGK SHEAR GRAB

❶ The main hinge points and the cylinders are fitted with ball joints. As a result, the hinge points are not susceptible to tearing and any deformation caused by external forces can be absorbed. The hinge points are easily accessible for maintenance.

❷ The bucket of the silage cutter is rounded on the inside. This ensures that the silage can be unloaded easily and does not stick in the corners. This reduces wear and tear on the shovel or telescopic handler and improves driver comfort.
❸ The silage shear grabs have a large "overbite" so that the silage is cut well from top to bottom.

Please note that for KHM, KHL, KHV and KHXL silage shear grabs, XL attachments are required!

Feeding technique

Silage shear grab type KHMII

❹ The front blades, made from wear-resistant hardened steel, have fine teeth. This ensures a clean cut and requires little force. As a result, the silage wall will stay fresh longer and there will be less force on the silage shear grab. The blades are screwed together and are therefore easy to replace in the event of damage or wear.
❺ The sharp milled lower blade is made of Hardox 500 material, which makes it extra wear-resistant. The sharp blade makes it easy to push the silage cutter into the silage. The bevel is placed at the bottom. As a result, the sharp edge of the knife is clear of the ground, which prevents damage.

Technical specifications

- Grab height 1000 mm
- Grab depth 750 mm
- All pivot points fitted with greasable and replacable ball joints
- Replacable corner tips
- Replacable front knives
- Hardox 500 wear parts and blade
- Diameter tines KHMII T Ø50 mm
- 2-layer powder coating

Options	**Weight (kg)**
• Piloted return valve (necessary for machines with an open-center hydraulic function)	
• Pressure limiter valve (required when driving machine exceeds the hydraulic pressure)	
• Hydraulic pusher for tined bucket (grab depth will increase 125 mm)	
KHMII 1800	118
KHMII 2000	128
KHMII 2200	138
KHMII 2400	148
• Insert plate for tined bucket (can only be used in combination with a hydraulic pusher)	
KHMII 1800	135
KHMII 2000	150
KHMII 2200	165
KHMII 2400	180
• Lift mast 1800 mm One additional single acting hydraulic function required	640

Please note that for KHM, KHL, KHV and KHXL silage shear grabs, XL attachments are required!

Engineered to perfection

Feeding technique

Silage shear grab type KHLII

The solid and robust KHLII is suitable for the heavy segment of wheel loaders, telehandlers and tractor mounted front loaders from 8 to 18 tonnes.
The grab height has increased with the introduction of the new series II, which has increased the volume. Furthermore, the shear grabs are provided with knives with a finer toothing, so that less force is needed to cut.
Due to the toughtful construction, long lifespan is guaranteed. All pivot points are privided with 50 and 60mm pins. The silage shear grab can be implemented with a closed bucket or with tines. The addition T to the type number stands for tine base.

Type	LxWxH (mm)	Grab width (mm)	Content (m3)	Weight empty (kg)	Minimal required oil capacity	Maximum oil capacity
KHLII 2000	1560x2130x1455	2030	2.25	1526	30 l/min 200 bar	120 l/min 225 bar
KHLII 2000 T	1560x2130x1455	2030	2.25	1553	30 l/min 200 bar	120 l/min 225 bar
KHLII 2200	1560x2330x1455	2230	2.5	1609	30 l/min 200 bar	120 l/min 225 bar
KHLII 2200 T	1560x2330x1455	2230	2.5	1636	30 l/min 200 bar	120 l/min 225 bar
KHLII 2400	1560x2530x1455	2430	2.75	1692	30 l/min 200 bar	120 l/min 225 bar
KHLII 2400 T	1560x2530x1455	2430	2.75	1720	30 l/min 200 bar	120 l/min 225 bar
KHLII 2600	1560x2730x1455	2630	2.95	1775	30 l/min 200 bar	120 l/min 225 bar
KHLII 2600 T	1560x2730x1455	2630	2.95	1803	30 l/min 200 bar	120 l/min 225 bar

THE 5 UNIQUE ADVANTAGES OF THE FLINGK SHEAR GRAB

❶ The main hinge points and the cylinders are fitted with ball joints. As a result, the hinge points are not susceptible to tearing and any deformation caused by external forces can be absorbed. The hinge points are easily accessible for maintenance.

❷ The bucket of the silage cutter is rounded on the inside. This ensures that the silage can be unloaded easily and does not stick in the corners. This reduces wear and tear on the shovel or telescopic handler and improves driver comfort.
❸ The silage shear grabs have a large "overbite" so that the silage is cut well from top to bottom.

Please note that for KHM, KHL, KHV and KHXL silage shear grabs, XL attachments are required!

Feeding technique

Silage shear grab type KHLII

❹ The front blades, made from wear-resistant hardened steel, have fine teeth. This ensures a clean cut and requires little force. As a result, the silage wall will stay fresh longer and there will be less force on the silage shear grab. The blades are screwed together and are therefore easy to replace in the event of damage or wear.
❺ The sharp milled lower blade is made of Hardox 500 material, which makes it extra wear-resistant. The sharp blade makes it easy to push the silage cutter into the silage. The bevel is placed at the bottom. As a result, the sharp edge of the knife is clear of the ground, which prevents damage.

Technical specifications

- Grab height 1250 mm
- Grab depth 900 mm
- All pivot points fitted with greasable and replacable ball joints
- Replacable corner tips
- Replacable front knives
- Hardox 500 wear parts and blade
- Diameter tines KHLII T Ø55 mm
- 2-layer powder coating

Options	**Weight (kg)**
• Piloted return valve (necessary for machines with an open-center hydraulic function)	
• Pressure limiter valve (required when driving machine exceeds the hydraulic pressure)	
• Hydraulic pusher for tined bucket (grab depth will increase 125 mm)	
KHLII 2000	149
KHLII 2200	160
KHLII 2400	175
KHLII 2600	185
• Insert plate for tined bucket (can only be used in combination with a hydraulic pusher)	
KHLII 2000	195
KHLII 2200	215
KHLII 2400	235
KHLII 2600	255
• Lift mast 1800 mm One additional single acting hydraulic function required	640

Please note that for KHM, KHL, KHV and KHXL silage shear grabs, XL attachments are required!

Engineered to perfection

Feeding technique

Silage shear grab type KHVII

The solid and robust KHVII is suitable for the heaviest segment of shovels and telehandlers from 9 to 20 tons.
The grab height has increased with the introduction of the new series II, which has increased the volume. Furthermore, the shear grabs are provided with knives with a finer toothing, so that less force is needed to cut.
Due to the toughtful construction, long lifespan is guaranteed. All pivot points are privided with 50 and 60 mm pins. The silage shear grab can be implemented with a closed bucket or with tines. The addition T to the type number stands for tine base.

Type	LxWxH (mm)	Grab width (mm)	Content (m3)	Weight empty (kg)	Minimal required oil capacity	Maximum oil capacity
KHVII 2000	1910x2130x1770	2030	3.3	1825	35 l/min 200 bar	120 l/min 225 bar
KHVII 2000 T	1910x2130x1770	2030	3.3	1850	35 l/min 200 bar	120 l/min 225 bar
KHVII 2200	1910x2330x1770	2230	3.65	1995	35 l/min 200 bar	120 l/min 225 bar
KHVII 2200 T	1910x2330x1770	2230	3.65	2020	35 l/min 200 bar	120 l/min 225 bar
KHVII 2400	1910x2530x1770	2430	4.0	2065	35 l/min 200 bar	120 l/min 225 bar
KHVII 2400 T	1910x2530x1770	2430	4.0	2090	35 l/min 200 bar	120 l/min 225 bar
KHVII 2600	1910x2730x1770	2630	4.35	2140	35 l/min 200 bar	120 l/min 225 bar
KHVII 2600 T	1910x2730x1770	2630	4.35	2164	35 l/min 200 bar	120 l/min 225 bar

THE 5 UNIQUE ADVANTAGES OF THE FLINGK SHEAR GRAB

❶ The main hinge points and the cylinders are fitted with ball joints. As a result, the hinge points are not susceptible to tearing and any deformation caused by external forces can be absorbed. The hinge points are easily accessible for maintenance.

❷ The bucket of the silage cutter is rounded on the inside. This ensures that the silage can be unloaded easily and does not stick in the corners. This reduces wear and tear on the shovel or telescopic handler and improves driver comfort.
❸ The silage shear grabs have a large "overbite" so that the silage is cut well from top to bottom.

Please note that for KHM, KHL, KHV and KHXL silage shear grabs, XL attachments are required!

Feeding technique

Silage shear grab type KHVII

❹ The front blades, made from wear-resistant hardened steel, have fine teeth. This ensures a clean cut and requires little force. As a result, the silage wall will stay fresh longer and there will be less force on the silage shear grab. The blades are screwed together and are therefore easy to replace in the event of damage or wear.
❺ The sharp milled lower blade is made of Hardox 500 material, which makes it extra wear-resistant. The sharp blade makes it easy to push the silage cutter into the silage. The bevel is placed at the bottom. As a result, the sharp edge of the knife is clear of the ground, which prevents damage.

Technical specifications

- Grab height 1500 mm
- Grab depth 1100 mm
- All pivot points fitted with greasable and replacable ball joints
- Replacable corner tips
- Replacable front knives
- Hardox 500 wear parts and blade
- Diameter tines KHVII T Ø55 mm
- 2-layer powder coating

Options	**Weight (kg)**
• Piloted return valve (necessary for machines with an open-center hydraulic function)	
• Pressure limiter valve (required when driving machine exceeds the hydraulic pressure)	
• Hydraulic pusher for tined bucket (grab depth will increase 125 mm)	
KHVII 2000	154
KHVII 2200	166
KHVII 2400	182
KHVII 2600	193
• Insert plate for tined bucket (can only be used in combination with a hydraulic pusher)	
KHVII 2000	230
KHVII 2200	253
KHVII 2400	276
KHVII 2600	300
• Lift mast 1800 mm One additional single acting hydraulic function required	640

Please note that for KHM, KHL, KHV and KHXL silage shear grabs, XL attachments are required!

Engineered to perfection

Feeding technique

View on YouTube

Silage shear grab type KHXL

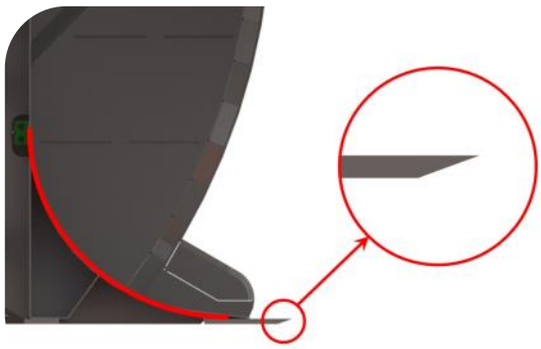
The Flingk KHXL is a unique silage shear grab. Due to the large grab height and small grab depth, more often the front wall of the silage pit gets refreshed, making the silage less susceptible for decay. Another advantage is that the shear grab doesn't have to be pushed far into the silage. Due to the short lower blade, the shear grab unloads easily, for example into the mixer wagon, and does not need to be tipped far to empty it. It will more gradually release the silage into the mixer wagon.
Because of the fact that the cylinders are mounted inside the bucket, it is possible to grab at the side of the silage pit, which will reduce the amount of feed residues.
The special knives cut smoothly through your pit, resulting in a tight cut. This also causes less strain on the shear grab and on your front loader, shovel or telehandler.

Maximum profit from your roughage!

Feeding technique

Silage shear grab type KHXL

The inside of the bucket has a round shape. In combination with the short lower blade, this ensures that the silage easily slides out of the bucket. The advantage of this is that the silage grab does not have to be tilted far during the release. The shear grab can easily be pushed into the silage because of the sharp lower blade. The bevel is placed at the bottom. As a result, the sharp edge of the knife is clear of the ground, which prevents damage.



The self-sharpening blades have a fine toothing and are made from high-alloy tool steel. This keeps the blades sharp for a long time and requires less force during cutting. This results in a tight silage pit wall.

Because the bucket is short, the weight is compact on the shovel. The pivot points are behind the quick coupler, so that the center of gravity is advantageously placed. This reduces the forces on the driving machine.

Because the shear grab cuts with a large height and a small depth, the silage wall is often refreshed and a large volume can always be loaded. The thin slices allow fine dosing in the mixing wagon.

Feeding technique

Silage shear grab type KHXL

Series	Machine weight (tonnes)	Grab height (mm)	Grab depth (mm)	Minimal required oil capacity	Maximum oil capacity
KHXL 14**	4 - 9	1400	350	20 l/min 200 bar	80 l/min 225 bar
KHXL 17**	5.5 - 11	1700	350	25 l/min 200 bar	100 l/min 225 bar
KHXL 22**	7 - 16	2200	270-350	30 l/min 200 bar	120 l/min 225 bar

Type	Grab height x widht (mm)	LxWxH (mm)	Content (m3)	Weight empty (kg)
KHXL 1418	1400x1800	1360x1950x1260	0.9	1009
KHXL 1420	1400x2000	1360x2150x1260	1.0	1066
KHXL 1422	1400x2200	1360x2350x1260	1.1	1126
KHXL 1718	1700x1800	1700x1950x1470	1.05	1224
KHXL 1720	1700x2000	1700x2150x1470	1.2	1283
KHXL 1722	1700x2200	1700x2350x1470	1.35	1351
KHXL 1724	1700x2400	1700x2550x1470	1.5	1424
KHXL 1726	1700x2600	1700x2750x1470	1.6	1485
KHXL 2220	2200x2000	2035x2150x1720	1.6	1645
KHXL 2222	2200x2200	2035x2350x1720	1.6	1710
KHXL 2224	2200x2400	2035x2550x1720	1.6	1783
KHXL 2226	2200x2600	2035x2750x1720	1.6	1860

Technical specifications

- Large grab height, small grap depth
- Mainly made of high strength steel S700MC
- Replacable front and side knives
- Hardox 500 wear parts and blade
- 2-layer powder coating

Options	Weight (kg)
• Piloted return valve (necessary for machines with an open-center hydraulic function)	
• Pressure limiter valve (required when driving machine exceeds the hydraulic pressure)	

Please note that for KHM, KHL, KHV and KHXL silage shear grabs, XL attachments are required!

Attachments

Screw-on attachments

Various Flingk machines can be equipped with a screw-on linkage. Almost all types of linkages are possible.
The attachments supplied by Flingk are designed for the most common situations. For machines with Z-kinematics, dimensions of the boom should be passed on to prevent the boom from hitting the machine.
For shovels with a large tipping angle, the possibility of the machine hitting the boom should be taken into account.
In case your type of linkage is not in this list, please contact us for the possibilities.
Please note that for the KSS HD, SH, BSO 2500 up to 4000 and KHM, KHL, KHV and KHXL silage shear grabs, XL attachments are required!

Make/type machine		Thickness
Ahlmann AL 60/AF60e/AS60e/AS 4/45/50/60		25 mm
Ahlmann AZ 45-100		25 mm
Ahlmann AZ 10-14, AZ150		30 mm
Ahlmann AX 70-100		30 mm
Atlas AR 32/35		25 mm
Atlas AR 42e-62e/45-85		30 mm
Avant /Giant compact		
Bobcat skid steer (attachment plate)	900 mm	
Bobcat skid steer (attachment plate)	1130 mm	
Bobcat large (Cat, Case, New Holland)	1130 mm	
Bobcat telehandler		
Caterpillar 907 hooks		30 mm
Caterpillar IT		25 mm
Caterpillar Fusion		50 mm
Claas Targo		
Combi-Trac		
Deutz-Fahr Agrovector		30 mm
Dieci Agri-Pivot		25 mm
Dieci Dedalus		25 mm
Euro		
Faresin (Dieci)		30 mm
Fuchs hooks		32 mm
Fuchs mechanical (attachment plate)		
Giant 25 mm		
Hauer (front loader)		40 mm
JCB/Loadall Q-fit		
JCB Compact Tool Carrier		30 mm
JCB Tool Carrier		
Knikmops KM 70-100 (attachment plate)	600 mm	
Knikmops KM 120-140 (attachment plate)	520 mm	
Knikmops KM 180-250 (hooks)		25 mm
Komatsu WA 65-90		30 mm

Attachments

Screw-on attachments

Make/type machine	Thickness
Kramer 112-350	20 mm
Kramer 212-850	30 mm
Kramer telehandler (Claas Scorpion)	30 mm
Macks (hooks)	25 mm
Mailleux MX Master Attach	20 mm
Manitou	
Merlo ZM2	60 mm
Merlo ZM3 (3 lock pins)	60 mm
Mustang (Wacker/Gehl) shovel (attachment plate) 900 mm	
Mustang (Wacker/Gehl) shovel (attachment plate) 1130 mm	
New Holland skid steer	
New Holland telehandler	30 mm
O&K L6F/L7F	25 mm
Oehler (attachment plate)	
Paus	30 mm
Pin-cone (Matbro/John Deere)	20/30 mm
Rollmops	
Schäffer attachment plate(JCB 403)	
Schäffer attachment plate(wide) from 3045	
Schäffer SWH hooks (Ø30 mm below)	25 mm
Schäffer hooks (Ø40 mm below)	30 mm
Sherpa attachment plate	
SMS 5	30 mm
Striegel attachment plate	
Systeem 2000 (2002 Eurosteel, 2003-2006 Verachtert)	
Systeem 2000 large (2003 Eurosteel, 2007-2008 Verachtert)	
Terex (Schaeff) TL60-70, Zeppelin ZL4B/ZL6B/ZL65	
Terex (Schaeff) TL80-120	
Thaler	
Venieri (atacco rapido)	25 mm
Volvo L20/25, Zettelmeyer ZL402, JCB 406	25 mm
Volvo L30/32/35, Zettelmeyer ZL502-ZL702	30 mm
Volvo L40/45	30 mm
Volvo Lundberg (L50-120)	35 mm
Volvo Lundberg (Z-kinematic)	35 mm
Weidemann attachment plate(mechanical)	
Weidemann hooks (hydraulical)	25 mm
Weidemann hooks (4070-5080)	30 mm
Werklust WG 18	35 mm

Attachments

Three point / forklift linkages

Fits all Flingk machines with screw-on attachments system.
For the hydraulic shovel systems, one additional single acting hydraulic function is required.
The overall height of the machine increases when a shovel system is fitted. The height depends on the model of the machine and the model of the shovel system.

Attachment	Weight
• Fixed screw-on three point linkage cat. 1 or 2	41
• Three point shovel system cat. 2 for bedders with one cylinder for Z/ZX/ZXS up to 1000 liter for S/SX 750 liters for KSS up to 1000 liters for BS 1000 liters	116
• Three point shovel system cat. 2 for bedders with two cylinders for KSS van 1500 up to 2500 liters for Z/ZX/ZXS from 1500 liters for S/SX from 1000 liters for BS 1500 up to 3000 liters for OL 1500 up to 3000 liters for BSO 750 up to 1500 liters	177
• Three point shovel system cat. 2 for BRS with two cylinders Attention! Emptying the collecting bin is more difficult due to the limited tilting angle for BRS 1000 t/m 2000 liters	260
• Three point shovel system XL cat. 2 for BSO with two cylinders for BSO 2500 t/m 4000 liters	350
• Three point shovel system system cat. 2 for SVV with two cylinders Attention! One double acting hydraulic function required instead of single acting	342
• Forklift shovel system system fitting FEM 2 A or B, two cylinders for all bedders for SVV straw spreader	215
• Forklift shovel system system fitting FEM 2 A or B, two cylinders for all bedders for SVV straw spreader	245
• Hefmast cat. 2/3 t.b.v. kuilhappers, hefhoogte 1800 mm for KHS, KHP, KHM, KHL and KHV silage shear grabs One additional single acting hydraulic function required	640
Options	**Weight (kg)**
• Valve block with two functions for shovel system (The spreader can be attached to a tractor with a hydraulic system with only a press and return connection)	

Notes

Flingk Machinebouw

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FLINGK

Machinebouw

Dealer