



# LOAD

UNLOADING TECHNOLOGY



## SILAGE BLOCK CUTTERS AND SHEAR GRABS



© AdobeStock - Countrypixel



© AdobeStock - JENOCHE



© AdobeStock - tluence, Simekovi



# MADE FOR ME



© AdobeStock - jurek14



© AdobeStock - goodluz



© AdobeStock - Dusan, Kosic



© AdobeStock - sipped300



© AdobeStock - JENOCHE



© AdobeStock - yilmazca

THE STORY



# MADE FOR ME

## [ SOPHIE'S CHALLENGE ]

On my farm, which has about 180 dairy cows, the top priority is high-quality feed. That starts with forage harvesting and silaging, and ends with unloading of the silage block and distribution of the fodder. Especially in the warm and dry summer months, the silage block cutter helps me to keep the silage block stable and to minimize energy losses at the surface of the cut. Now I am in search of the right silage block cutter for high-quality feed and the health of my animals.

## [ OUR SOLUTION ]

Unique quality of cut and low-maintenance technology are standard features of all silage block cutters of the V-LOAD Cutter series. Whether you choose the Topstar or the Megastar, Master or Megastar HD model – all of our silage block cutters use a patented double-blade cutting system for unequalled cutting performance: Smooth and powerful cutting is guaranteed. The compactness of the silage is preserved, reducing post-warming and therefore feed loss. The mounting options are likewise flexible: Our machines are made for front mounting on the tractor, telescopic handler or wheel loader, as well as rear mounting on the carrier vehicle.



**THIS SOLUTION IS MADE FOR SOPHIE.**





### **We made Sophie's challenge our own.**

That is what motivates us at BvL: We work closely with farmers around the world to further develop our modular unloading technology and adapt this technology to individual requirements. In a process of personal exchange we develop flexible machine solutions for the exact agricultural requirements, such as the number of animals, feed components, barn types and the machine park – solutions that are sustainable and future-proof.

**FOR FARMERS LIKE SOPHIE. FOR FARMERS LIKE YOU.**

### **We will find the best solution for you, too.**

The basis for your solution is our flexible V-LOAD series with silage block cutters and shear grabs, all time-proven and optimized for changing requirements. The core element of your solution is the largest selection of silage block cutters worldwide, which is your guarantee for a high level of individualization: We work with you to analyze your requirements and configure unloading technology that does what you need. Our goal is to make your work easier and more efficient – with an individual solution for your specific requirements:

**BvL MADE THAT FOR ME.**

Discover  
**MORE STORIES**  
from farmers like you!



# OUR DAILY GOAL – THE BEST WAY TO SUPPORT YOUR WORK

## You work every day to provide the best food.

Monday, Tuesday, Wednesday, in all weather, Thursday, Friday, in summer and winter, Saturday, Sunday, early and late – every day you give your best for the best food and healthy animals. You need a partner who works the way you do, thinks the way you do, feels the way you do. You need a partner like BvL.

## We work every day for you!

We are an owner-operated family company that has been working for and with agriculture all around the world since 1860. In more than 160 years, generations of people with brains have been doing pioneering work for the industry, making BvL a leading partner for modern feeding and bedding technology.

We know the challenges and developments of the industry – and always think ahead to make animal husbandry and agriculture simpler, more efficient and safer. That farmers put so much confidence in our solutions is why we feel the responsibility and motivation to give our best, every day.

[ **MADE IN  
GERMANY** ]

since  
[ **1860** ]

## Made in Germany

At our home location in Emsbüren in the Emsland region, we develop and produce solutions with a high vertical range of manufacture and our own experienced staff. Individual, modular configuration is an integral part of our concept – for high-performance and custom-tailored high technology for your day-to-day operations.

Our goal: Safe farming for humans and animals.

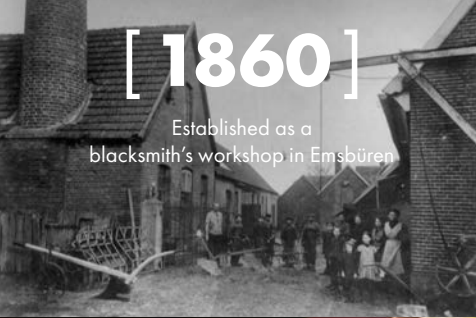
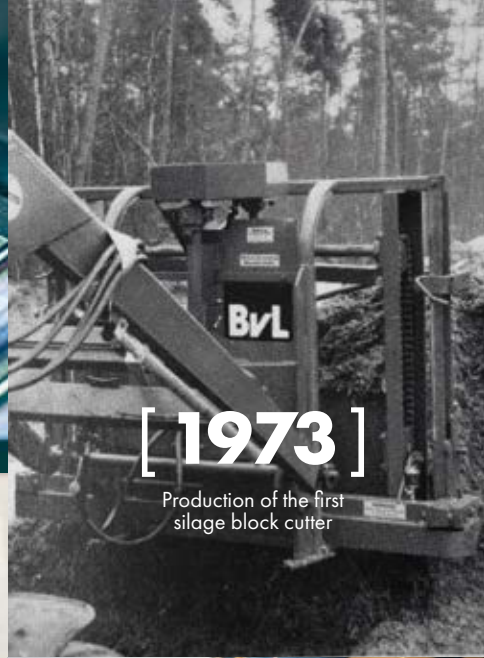
## Made for the future

We practice sustainability at all levels: Our actions are economically and ecologically logical – with long-lasting and energy-efficient machines that save resources. Our way of thinking is networked, and we use intelligent, digital management systems that protect basic feed supplies and are designed with safety in mind.

Our goal: Sustainable handling of resources and the environment.

**WE ARE BvL.  
INNOVATIVE. EXPERIENCED. STRONG.**





[ 1860 ]

Established as a blacksmith's workshop in Emsbüren

[ 1973 ]

Production of the first silage block cutter





# [ V-LOAD CUTTER ]

HIGH-PERFORMANCE SILAGE BLOCK CUTTER FOR OPTIMAL SILAGE



## Silage block cutters for every challenge

Every farm has its own individual feeding strategy. And every silage, every barn and every herd is different. Are you in search of a silage block cutter you can use to unload your fodder? Then our V-LOAD series is sure to have the right technology for your farm structure and your individual unloading strategy.

## Unique quality of cut in every model variant

One difference of the BvL silage block cutter is the cutting system. All of our silage block cutters use a patented double-blade cutting system. While the blades of the Topstar are driven by a

[ 4 ]

Basic types

[ 16 ]

Variants

single cylinder, the Megastar, Megastar HD and Master models are equipped with a split front cutter. The main features of these cutting systems are the clean double-blade cut and high efficiency of the machine.

## Large blocks and numerous mounting options

Do you need extra large silage blocks? No problem with the larger cutting frame of the V-LOAD Cutter Master. All BvL silage block cutters are suitable for front and rear mounting – for flexible adaptation to the carrier vehicle. Options such as lateral shift, a hydraulic push-off system, or even automatic push-off technology are available, depending on the model.

### V-LOAD AT A GLANCE



V-LOAD CUTTER  
TOPSTAR



V-LOAD CUTTER  
MEGASTAR



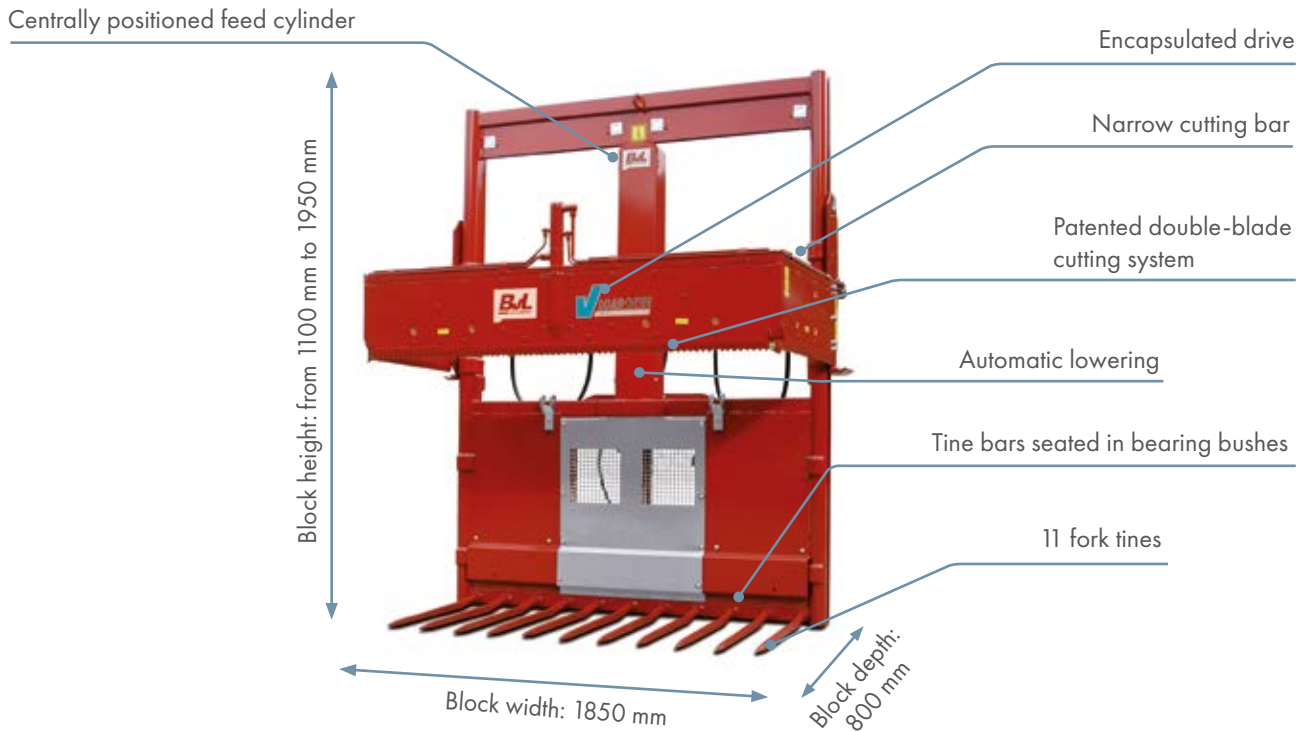
V-LOAD CUTTER  
MEGASTAR HD



V-LOAD CUTTER  
MASTER

# V-LOAD CUTTER TOPSTAR

## SILAGE BLOCK CUTTER



### Time-proven double-blade cutting system for a unique smooth cut

**Clean and effective** – that describes the V-LOAD Cutter Topstar silage block cutter. The patented double-blade cutting system ensures a perfectly smooth cut on the surface of

the silage block. All blades are driven simultaneously by a single drive cylinder.

	Capacity	Total width	Total depth	Total height	Block size: Width Depth Height	Max. unloading height*	Weight	Power demand:		
								Lifting capacity	Min. power rating	Max. power rating
	m <sup>3</sup>	mm	mm	mm	mm	mm	kg			
<input type="checkbox"/> 110	1.65	2040	1250	1930	1850 800 1100	1600	540	2.0 t	170 bar / 25 l/min.	200 bar / 45 l/min.
<input type="checkbox"/> 145	2.15	2040	1250	2280	1850 800 1450	1950	585	2.5 t	170 bar / 25 l/min.	200 bar / 45 l/min.
<input type="checkbox"/> 170	2.55	2040	1250	2530	1850 800 1700	2200	610	2.5 t	170 bar / 25 l/min.	200 bar / 45 l/min.
<input type="checkbox"/> 195	2.95	2040	1250	2780	1850 800 1950	2450	640	3.0 t	170 bar / 25 l/min.	200 bar / 45 l/min.

\* depending on the tractor type and mounting version.  
The specified technical data refer to the standard features.

#### YOUR CHOICES



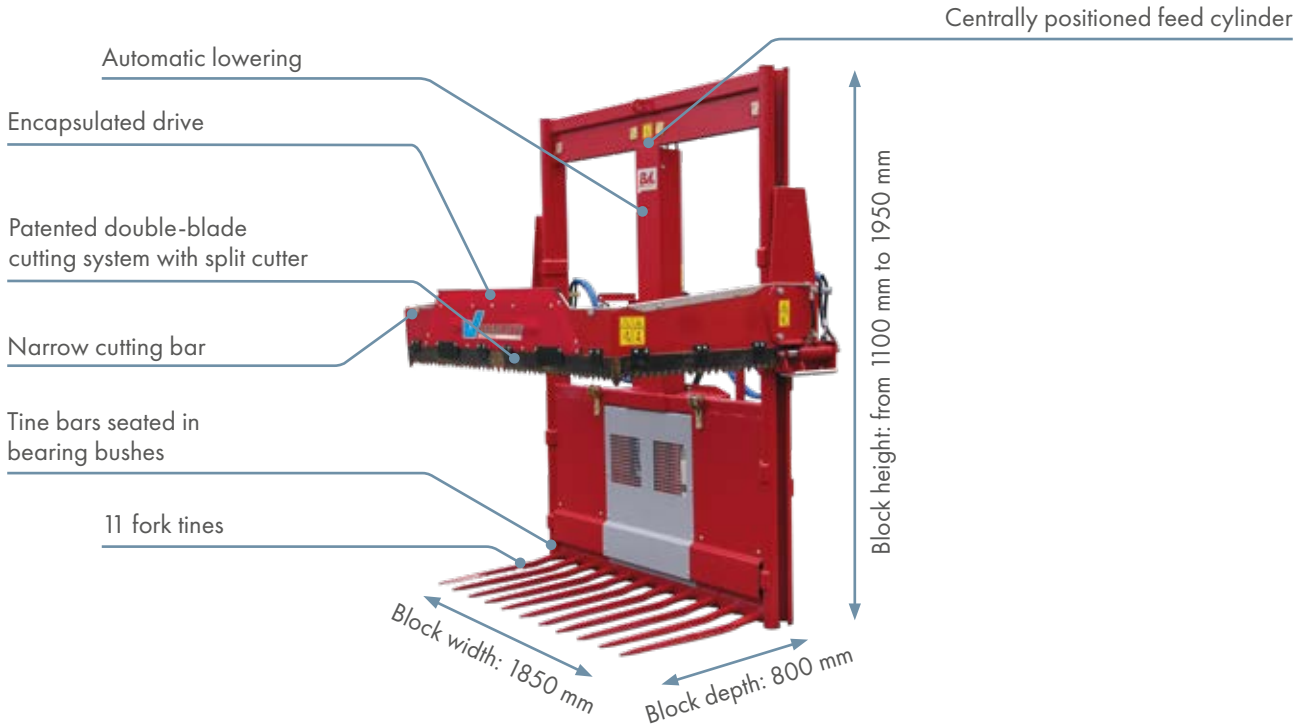
- Hydraulic lateral shift
- Silo Cat
- Front mounting
- Hydraulic hoist
- Rear mounting
- Hydraulic push-off system

More  
information:



# V-LOAD CUTTER MEGASTAR

## SILAGE BLOCK CUTTER



### Reliable technology for professional use

**Robust and powerful** – those are the properties of the V-LOAD Cutter Megastar silage block cutter. A cross cutter of through-hardened special steel and a split front cutter with

two counter-acting blades ensure very smooth and powerful cutting performance. In addition, the cutting bar is virtually maintenance free and is ideal for heavy-duty use.

	Capacity	Total width	Total depth	Total height	Block size: Width Depth Height	Max. unloading height*	Weight	Power demand:		
								Lifting capacity	Min. power rating	Max. power rating
	m <sup>3</sup>	mm	mm	mm	mm	mm	kg			
<input type="checkbox"/> 110	1.65	2160	1250	1930	1850 800 1100	1600	600	2.0 t	170 bar / 35 l/min.	200 bar / 45 l/min.
<input type="checkbox"/> 145	2.15	2160	1250	2280	1850 800 1450	1950	645	2.5 t	170 bar / 35 l/min.	200 bar / 45 l/min.
<input type="checkbox"/> 170	2.55	2160	1250	2530	1850 800 1700	2200	670	2.5 t	170 bar / 35 l/min.	200 bar / 45 l/min.
<input type="checkbox"/> 195	2.95	2160	1250	2780	1850 800 1950	2450	710	3.0 t	170 bar / 35 l/min.	200 bar / 45 l/min.

\* depending on the tractor type and mounting version.  
The specified technical data refer to the standard features.

#### YOUR CHOICES

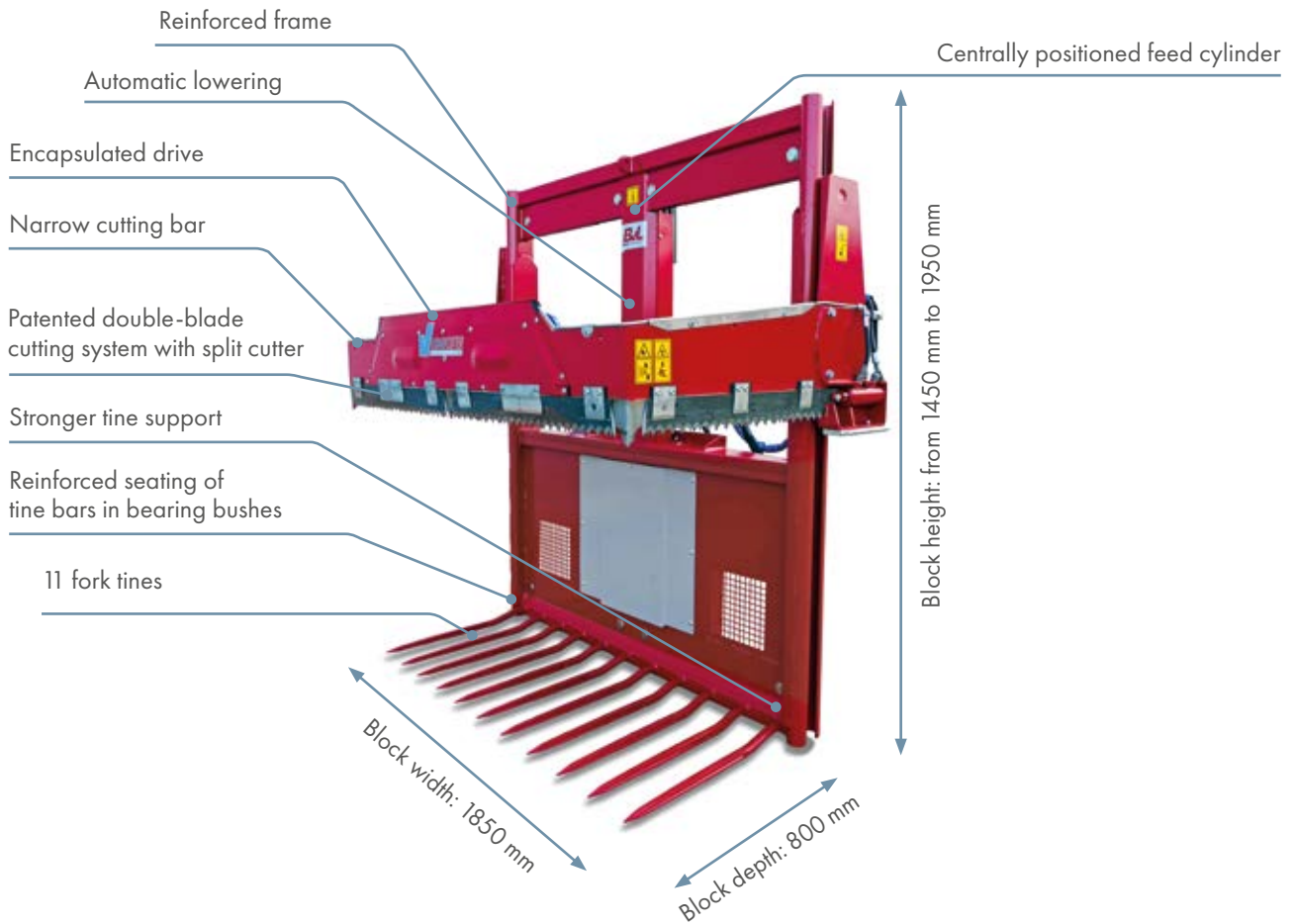
- Hydraulic lateral shift
- Rear mounting
- Hydraulic push-off system
- Hydraulic hoist
- Front mounting
- Automatic push-off





# V-LOAD CUTTER MEGASTAR HD

## SILAGE BLOCK CUTTER



### Robust construction with a compact size of cut

**Combined advantages** – that exactly describes the new V-LOAD Cutter Megastar HD. Because it combines the solid, reinforced frame of the Master silage block cutter with the compact size of cut of a shorter cutting bar, as with the

Megastar silage block cutter. This combination makes the machine suitable for front mounting, especially for use with high silage blocks (e.g., when mounted on a telescopic handler).

	Capacity m <sup>3</sup>	Total width mm	Total depth mm	Total height mm	Block size: Width Depth Height mm	Max. unloading height* mm	Weight kg	Power demand:		
								Lifting capacity	Min. power rating	Max. power rating
<input type="checkbox"/> 145	2.15	2160	1270	2280	1850	1950	710	2.5 t	170 bar / 35 l/min.	200 bar / 45 l/min.
					800					
<input type="checkbox"/> 195	2.95	2160	1270	2780	1850	2450	920	3.0 t	170 bar / 35 l/min.	200 bar / 45 l/min.
					800					

\* depending on the tractor type and mounting version.  
The specified technical data refer to the standard features.

#### YOUR CHOICES



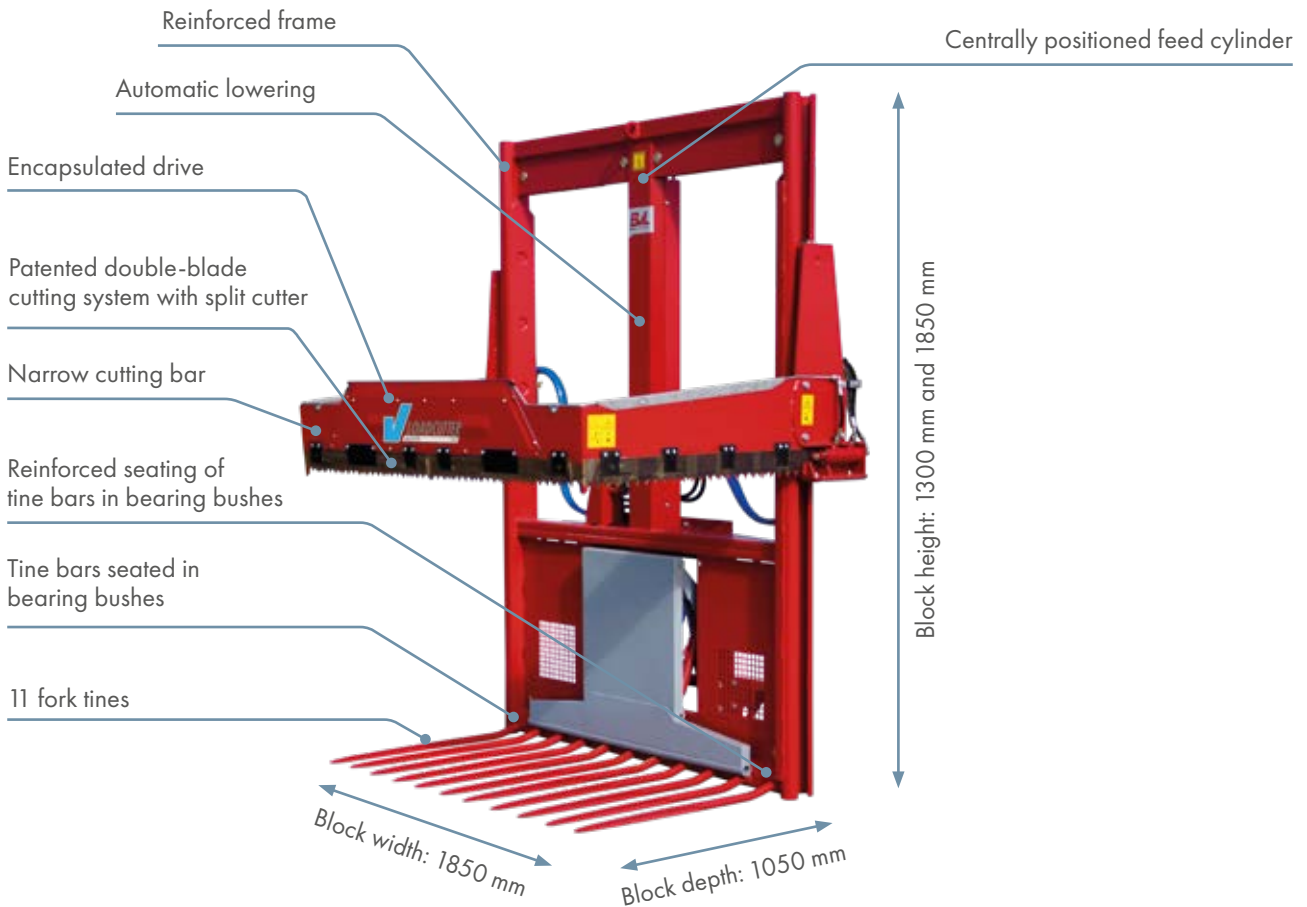
- Hydraulic hoist
- Rear mounting
- Hydraulic automatic push-off
- Hydraulic push-off system
- Front mounting

More information:



## V-LOAD CUTTER MASTER

### SILAGE BLOCK CUTTER



### For large-format silage blocks

**Extra large silage blocks** – no problem for the V-Load Cutter Master. The same cutting system as the Megastar ensures a smooth cut surface. The block depth is larger and

the frame is reinforced to allow unloading of larger quantities. The stability of the deep silage block ensures optimal storage of the blocks – especially for automated feeding.

	Capacity m <sup>3</sup>	Total width mm	Total depth mm	Total height mm	Block size: Width Depth Height mm	Max. unloading height* mm	Weight kg	Power demand:		
								Lifting capacity	Min. power rating	Max. power rating
<input type="checkbox"/> 130	2.5	2160	1520	2250	1850	1800	880	3.0 t	180 bar / 40 l/min.	200 bar / 45 l/min.
					1050					
					1300					
<input type="checkbox"/> 185	3.6	2160	1520	2800	1850	2350	920	4.0 t	180 bar / 40 l/min.	200 bar / 45 l/min.
					1050					
					1850					

\* depending on the tractor type and mounting version.  
The specified technical data refer to the standard features.

#### YOUR CHOICES



- Rear mounting
- Hydraulic automatic push-off
- Front mounting
- Hydraulic hoist

More information:





## V-LOAD SHEAR TOP

### SHEAR GRABS



### Smooth cut thanks to professional cutting technology

Our V-LOAD Shear Top grab has an impressive compact design. The cutting geometry ensures a smooth cut with only minimal loosening of the silage. Designed for front mounting only, it can be used with various carrier vehicles with cutting widths between 1600 and 1800 mm.

## V-LOAD SHEAR MEGA

### SHEAR GRABS



### Robust professional shear grab, also for "heavy" silage consistencies

The extremely robust and powerful V-LOAD Mega shear grab has a capacity of 2.25 m<sup>3</sup> and an unloading width of 1800 mm. The knife blade – made of special highly wear resistant steel – is split into three segments, which can be replaced individually. When rear mounted, Mega shear grabs can optionally be equipped with a lifting frame and a hydraulic push-off system.

	Capacity	Working width	Max. cutting height	Drive	Weight	Lifting capacity	Max. power rating
	m <sup>3</sup>	mm	mm		kg	kg	
<input type="checkbox"/> Top 160	0.95	1600	700	1 double-action connection for cutting process	470	1600	180 bar
<input type="checkbox"/> Top 180	1.3	1800	900	1 double-action connection for cutting process	730	2200	180 bar
<input type="checkbox"/> Mega 180	2.25	1800	1300	1 double-action connection for cutting process	940	3200	180 bar

More information:





# [ V-CONNECT CUT CONTROL ]

## TILT SENSOR



### Straight cutting, also in high silage blocks

The V-CONNECT Cut Control tilt sensor is specially designed to ensure a straight cut. This exclusive accessory developed by BvL features light-emitting diodes (LEDs) that indicate whether the block cutter is cutting straight into the silage. When all LEDs are green, the vertical alignment of the block cutter is correct. In the long term, this protects the equipment and therefore prolongs the life of the silage block cutter. The battery-powered accessory is mounted at the top of the cutting frame – for a clear view from the carrier vehicle.







# [ ACCESSORIES ]

OPTIONS FOR INDIVIDUAL USE



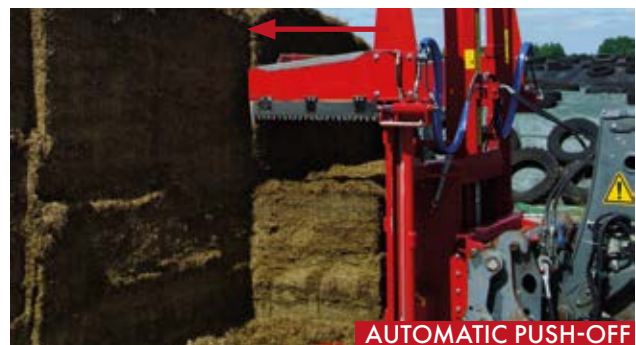
HYDRAULIC PUSH-OFF SYSTEM



LATERAL SHIFT



REAR MOUNTING WITH LIFTING FRAME



AUTOMATIC PUSH-OFF

## Tailored to every unloading situation

Our optional features for silage block cutters of the V-LOAD series make it possible to tailor the machine to the requirements of the particular farm. A unique feature is the automatic push-off system for the V-LOAD Cutter Megastar, Megastar HD and Master, which is extremely convenient

especially when mounted in the front. Optimal utilization of the silage block cutter based on individual requirements is likewise ensured by options such as lateral shift during unloading, rear mounting with a lifting frame, or the hydraulic push-off system.

### YOUR CHOICES



- Cut Control
- Hydraulic push-off system
- Automatic push-off
- Lateral shift
- Lifting frame

# [ SILO CAT ]

DISTRIBUTE SILAGE DIRECTLY FROM THE BLOCK



## Easy distribution of silage with the V-LOAD Cutter Topstar

The Silo Cat option allows fast distribution of all types of silage from the block directly into the feeding trough. This

accessory option rests on top of the cutting bar. The tines of the two stripping combs allow distribution either to the left or right.

# [ CUTTING MECHANISMS ]

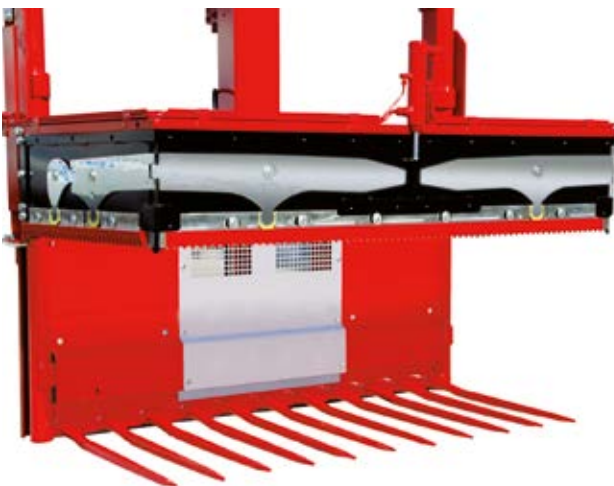
FOR THE PERFECT CUT



## For smooth and powerful operation

The two variants of the double-blade cutting system ensure smooth and powerful cutting of the silage.

Transverse forces on the front blade are fully eliminated.



PATENTED DOUBLE-BLADE CUTTING SYSTEM:  
TOPSTAR MODEL



PATENTED DOUBLE-BLADE CUTTING SYSTEM  
WITH SPLIT CUTTING EDGE:  
MEGASTAR / MEGASTAR HD / MASTER MODELS



# [ PREVENTS POST-WARMING ]

SMOOTH CUT WHILE RETAINING COMPACTNESS

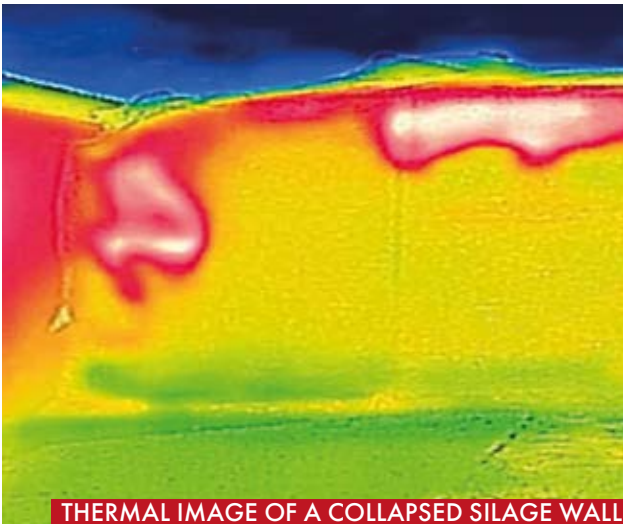


## Cutting systems are the core element

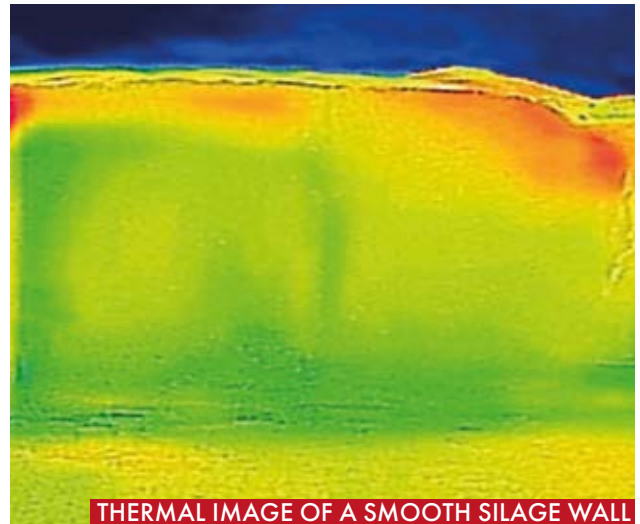
Clean and efficient silage cutting is a high priority for us at BvL. This prevents loosening of the surface where the silage is cut, so it remains sealed. A smooth cut results in better feed quality, which promotes the health of the animals. This is exactly what BvL silage block cutters were designed for – powerful, smooth, low-maintenance and therefore efficient cutting. The patented cutting systems are the core elements of these machines.

## Assurance of high-quality feed

Loosening of the silage in the silo pit allows oxygen to penetrate the silage – which can lead to secondary fermentation and warming of the silage. Not only does this post-warming process result in loss of energy from the feed. It can also make the feed unpalatable for the animals. All the more reason to ensure a smooth cut surface, which does not collapse during removal of the silage. The silage retains its form longer and the feed remains of high quality.



THERMAL IMAGE OF A COLLAPSED SILAGE WALL



THERMAL IMAGE OF A SMOOTH SILAGE WALL



SMOOTH SURFACE CUT BY SILAGE BLOCK CUTTER



Get to know the entire spectrum of BvL products:



**LOAD**  
SILAGE HANDLING TECHNOLOGY

Your BvL dealer



**MIX**  
FEEDING EQUIPMENT



**COMFORT**  
BEDDING TECHNOLOGY



**BIO**  
BIOGAS EQUIPMENT



**CONNECT**  
SYSTEM TECHNOLOGY



**Bernard van Lengerich Maschinenfabrik GmbH & Co. KG**

Grenzstraße 16 · 48488 Emsbüren · Germany

Phone: +49 5903 / 951-0 ■ Fax: +49 5903 / 951-34

E-mail: [info@bvl-group.de](mailto:info@bvl-group.de)

[www.bvl-farmtechnology.com](http://www.bvl-farmtechnology.com)

a member of  
  
**BvL GROUP**