

# MAMMUT




## Silage shear **Silo Cat**




the power  
brand

clean cut –  
sharp results





Many mistakes are made with long-fibre silage in particular. With air ingress at the cutting surface, aerobic organisms, mould and light-hungry bacteria gain the upper hand. The consequence is a decomposition of the feed, which results in discolouration.



**PRECISE CUTS WITH SILO CAT:**  
aerobic organisms, mould and light-hungry bacteria gain the upper hand. The consequence is a decomposition of the feed, which results in discolouration.

## Removal technology influences the feed quality

“The importance of high quality basic feed for efficiency and animal health is undisputed.

However, more than diligence alone is required during silaging in order to attain the necessary high quality. Silo removal is also absolutely decisive when it comes to maintaining quality and keeping the feed losses to an absolute minimum.

Because animals only enjoy feed with good fermentation quality and high aerobic stability, and changes in odour have a negative effect in particular on feed consumption, whilst deficient fermentation adversely influences welfare.

During removal, insufficient consideration is frequently paid to cutting a precise section. With grass silage in particular, this results in silage block areas in which oxygen is able to penetrate. The oxygen leads to the formation of mould and yeast on the cut surface of the silage block, and to deficient fermentation.

It is necessary to avoid these fermentation losses, because they inevitably result in selective feeding by the animals and ultimately to increased susceptibility to metabolic disorders. Investigations have shown that up to 10 % of feed is lost every year due to incorrect storage and removal techniques. It is often necessary to compensate for these losses with expensive concentrated feed.

During silo removal with the newly developed SILO CAT, the cut surface remains firm and intact, the temperature of the silage stays constant, rainwater can barely penetrate and no loose feed is left lying in front of the silo”, explains Manfred Gollhammer, product expert at MAMMUT.

A clean cut surface is therefore indispensable for first class feed quality and low feed losses.

Only in this way it is possible to guarantee efficiency, animal well-being and the associated profitability on a long-term basis.



**Manfred Gollhammer**  
MAMMUT product development and cattle breeder





## Smooth Cut with the SILO CAT

The MAMMUT SILO CAT silage shear impresses with its low resistance, and its clean and precise cut. This technology not only protects the machine but also the silo stock, and avoids air intake with a perfect cut edge.

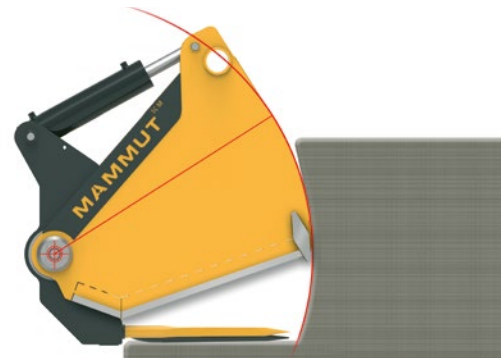
### GENTLE SILAGE REMOVAL

The welded knife and the favourable cutting radius of the SILO CAT enable a smooth cut through the silo stock. Thanks to the lower cutting resistance, the silage shear and carrier vehicle are thus subjected to less strain. Due to the box construction, all reinforcements are inside the cutting basket – an absolutely smooth surface is created on the silo block. This protects the silo block from unwanted ventilation and keeps it compact and stable.

In addition, the double-walled construction gives the unit enormous stability. A torsion tube also ensures absolute freedom from distortion – even under extreme loads (e.g. cutting half a silo block out of the silo).



The welded Hardox cutting knife guarantees very low cutting resistance in the silo.



The optimally selected pivot points come close to the "neutral phase".



Thanks to the carefully considered design of the cutting basket, it is possible to dispense with a flow divider valve.







## DURABILITY

Both the support frame and the tine box are powder-coated and therefore ensure a high durability. However, the large bolt diameter and wear-proof plastic plate at the main bearing also guarantee the long service life of the silage shear.



The large main bearing bolt (type N, M: 50 mm Ø / type H, XL: 60 mm Ø) guarantees that the silage shear will have a long service life.

## CUSTOMIZED SOLUTIONS

MAMMUT specialises in individual solutions and a wide range of technical variants. It is therefore possible to select numerous options with the SILO CAT shear, such as bottom plate or pusher for grass and corn silage combinations, various control elements (sequencing valves, control block, etc.), whilst customized solutions are also available.

## HIGH FLEXIBILITY

With SILO CAT a wide range of bolted attachment variants are available for the rear of the tractor (with and without lifting frame), and for front-load-

ers, wheel loaders and telescopic handlers. This means greater convenience, because it is no longer necessary to perform time-consuming adjustment of the silage shear to the individual carrier vehicle. When using the shear with grass and corn silage, a wide range of accessories also delivers added flexibility. As such, the rapid adjustment of the implement to the individual situation saves time and therefore also money.



Everything from a single source: MAMMUT offers a large selection of attachments for tractors and wheel and telescopic loaders.



All of our accessories can be upgraded at any time thanks to their bolted attachment points. For example, the image shows the hinged base plate which prevents disintegration losses when it comes to fine-grain silage.





Our know-how is your advantage

### THESE ARE THE ADVANTAGES OF MAMMUT SILO CAT

- **Top feed quality:** No secondary fermentation at the silo stock and the associated deficient fermentation. The shear delivers a clean block – particularly important for automatic feed systems.
- **A smooth cutting process:** Lower cutting resistance thanks to optimum cutting radius and welded cutting knife – meaning less strain on the equipment.
- **Long service life:** A large main bearing, as well as powder-coated carrier frame enable low-maintenance and trouble-free work.
- **Low net weight with maximum stability:** The low weight of the shear protects both the machine and the carrier vehicle.
- **High flexibility:** Individual additional options are also available for the SILO CAT, for a wide range of silage types. All accessory and attachment variants are bolted on and can therefore be retrofitted at any time.

**Hendrik Kuiper**  
from Easterein, Friesland in the north west Netherlands,  
dairy farm

“I feed 350 dairy cows every day, and the removal technology is also very important here. Clout, reliability and the quality of work are decisive for me in this regard. Focus is always placed on clean storage and air-tight closure. However, frequently overlooked is the fact that just as much feed loss and deficient fermentation arise due to incorrect techniques during removal. I only became truly aware of this when I changed over to the new SILO CAT silage shear from MAMMUT. The shear is really well conceived – it requires low force due to the ideal pivot points and produces a clean cut in the silage stock. Even with coarse-grained layers, nothing is torn – perfectly designed removal technology!”



## The range from 0.50 m³ to 3.10 m³ volume

### Height N for front loaders, yard loaders or rear mounting

| Technical data      | SC 90 N | SC 120 N | SC 150 N |
|---------------------|---------|----------|----------|
| Block width         | 0.91 m  | 1.19 m   | 1.44 m   |
| Block height        | 0.70 m  | 0.70 m   | 0.70 m   |
| Block depth         | 0.78 m  | 0.78 m   | 0.78 m   |
| Volume              | 0.48 m³ | 0.64 m³  | 0.78 m³  |
| Cylinder Ø (2 pcs.) | 90 mm   | 100 mm   | 100 mm   |
| Net weight          | 360 kg  | 420 kg   | 480 kg   |
| Number of tines     | 8       | 10       | 12       |



Type N, our low-profile design is ideal for yard loaders and front-loader attachment. Particular focus has been placed on low weight here.

### Height M for rear mounting, front loaders, telescopic loaders or wheel loaders

| Technical data      | SC 170 M | SC 195 M | SC 220 M |
|---------------------|----------|----------|----------|
| Block width         | 1.69 m   | 1.94 m   | 2.19 m   |
| Block height        | 0.80 m   | 0.80 m   | 0.80 m   |
| Block depth         | 0.78 m   | 0.78 m   | 0.78 m   |
| Volume              | 1.05 m³  | 1.21 m³  | 1.36 m³  |
| Cylinder Ø (2 pcs.) | 110 mm   | 110 mm   | 110 mm   |
| Net weight          | 655 kg   | 730 kg   | 805 kg   |
| Number of tines     | 14       | 16       | 18       |



Type M, the medium-sized design is the most universal implement. It fits every tractor up to 100 HP, as well as large hydraulic loaders. Popular across Europe and in use in high volumes.

### Height H for rear mounting, telescopic loaders or wheel loaders

| Technical data      | SC 170 H | SC 195 H | SC 220 H | SC 240 H |
|---------------------|----------|----------|----------|----------|
| Block width         | 1.69 m   | 1.94 m   | 2.19 m   | 2.41 m   |
| Block height        | 1.10 m   | 1.10 m   | 1.10 m   | 1.10 m   |
| Block depth         | 0.80 m   | 0.80 m   | 0.80 m   | 0.80 m   |
| Volume              | 1.48 m³  | 1.71 m³  | 1.93 m³  | 2.12 m³  |
| Cylinder Ø (2 pcs.) | 110 mm   | 110 mm   | 110 mm   | 110 mm   |
| Net weight          | 840 kg   | 930 kg   | 1,020 kg | 1,110 kg |
| Number of tines     | 14       | 16       | 18       | 20       |



Type H, has been developed specially for large block heights and tractors with over 100 HP (mast up to 2.3 m possible). The H models are also ideal for dividing round bales.

### Height XL for rear mounting or wheel loaders

| Technical data      | SC 195 XL | SC 220 XL | SC 240 XL |
|---------------------|-----------|-----------|-----------|
| Block width         | 1.94 m    | 2.19 m    | 2.41 m    |
| Block height        | 1.30 m    | 1.30 m    | 1.30 m    |
| Block depth         | 1.00 m    | 1.00 m    | 1.00 m    |
| Volume              | 2.52 m³   | 2.84 m³   | 3.13 m³   |
| Cylinder Ø (4 pcs.) | 100 mm    | 100 mm    | 100 mm    |
| Net weight          | 1,510 kg  | 1,630 kg  | 1,750 kg  |
| Number of tines     | 16        | 18        | 20        |



Type XL, the heavy-duty shear for large quantities.

Please contact us at any time for further information!  
Simply call us on +43 (0)7757 6701!  
We will also find the ideal solution for your operation!



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