MAMMUT

# Shear grab
# Silo Cat

The power brand

Easy cutting –
sharp results

QUALITY MADE IN AUSTRIA

Video

# IDEAL REMOVAL TECHNIQUE FOR BEST FEED QUALITY

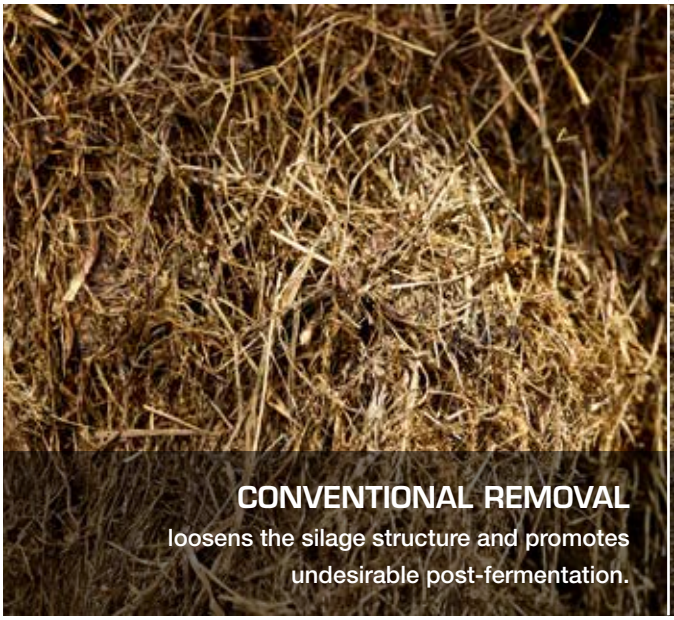
MAMMUT

Maintaining the necessary high forage quality requires more than just careful silage preparation. Silo removal is also crucial when it comes to maintaining quality and keeping feed losses to a minimum. Only feed with good fermentation quality and high aerobic stability is readily eaten, as changes in odour in particular have a negative effect on feed intake and faulty fermentation affects well-being.

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.

These fermentation losses must be avoided, as they inevitably lead to feed selection by the animals and ultimately to an increased susceptibility to metabolic disorders. Studies have shown that up to 10% of feed can be lost each year due to incorrect storage and removal techniques. These losses often have to be compensated for with expensive concentrated feed.

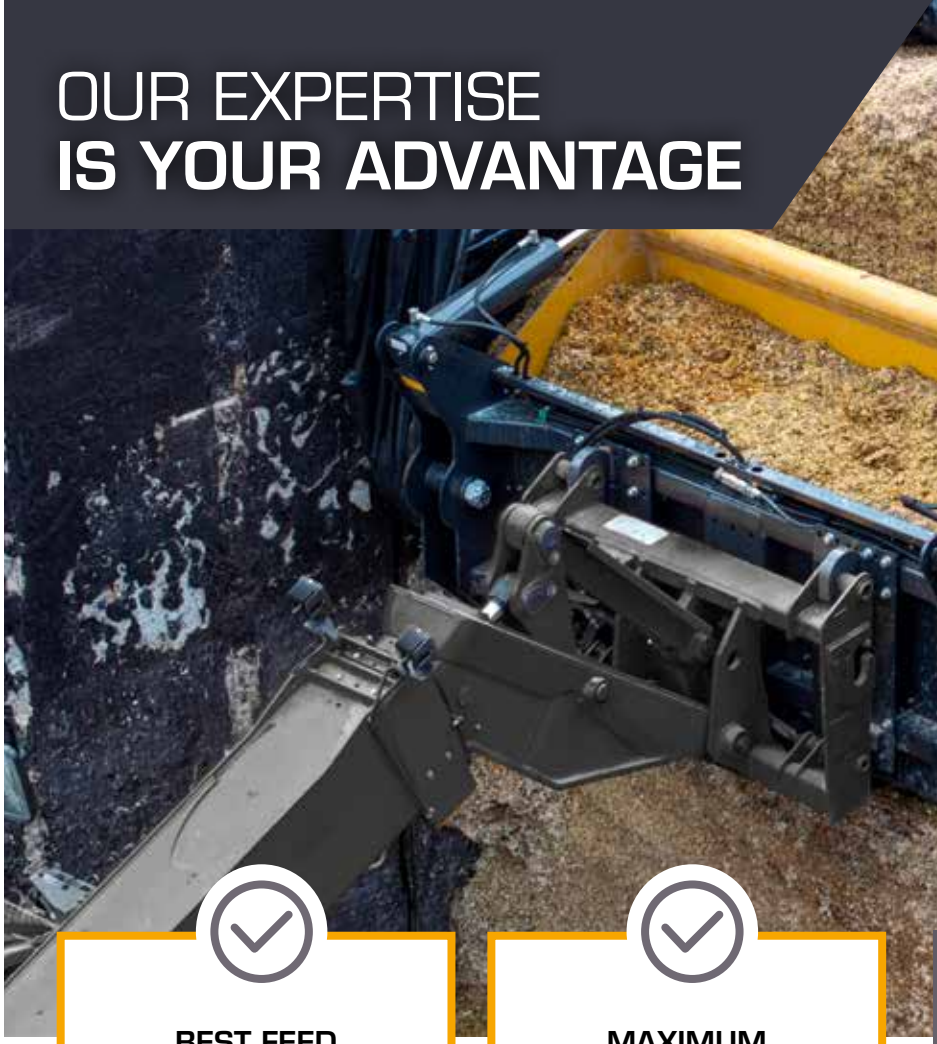
When removing silage with SILO CAT, the cut surface remains firm and intact, the temperature of the silage remains constant, oxygen can hardly penetrate and no loose feed is left in front of the silo. A clean cut surface is therefore essential for first-class feed quality and low feed losses. This is the only way to ensure long-term performance, animal welfare and the associated economic efficiency.



**CONVENTIONAL REMOVAL**
loosens the silage structure and promotes undesirable post-fermentation.

**PRECISE CUTTING WITH SILO CAT:**
no fermentation faults and associated feed losses.

# OUR EXPERTISE
# IS YOUR ADVANTAGE



### BEST FEED QUALITY

No secondary fermentation at the silo stock and the associated deficient fermentation.
The silage shear delivers a clean block every time.

### MAXIMUM STABILITY

The low weight, robust construction and enlarged main bearing pin of the tongs protect both the machine and the carrier vehicle.

**HENRYK SCHULTZ**
**from the upper Elbe valley, Saxony (Germany), dairy farm, biogas plant, direct marketing**

## THESE ARE THE ADVANTAGES OF THE MAMMUT SILO CAT

### HIGH FLEXIBILITY

Individual additional options are available for the SILO CAT for a wide variety of silage types. All accessories and attachments are bolted on and can be retrofitted at any time.

### LONG SERVICE LIFE

A large main bearing and the powder-coated support frame enable low-maintenance and worry-free operation over many years.

*"Given a daily feed of 20 tons of maize silage and 25 tons of grass silage, the extraction device requires particular stability. Previous extraction devices were unable to withstand the daily pressure and also cause an unsightly cut in the silage stock.*

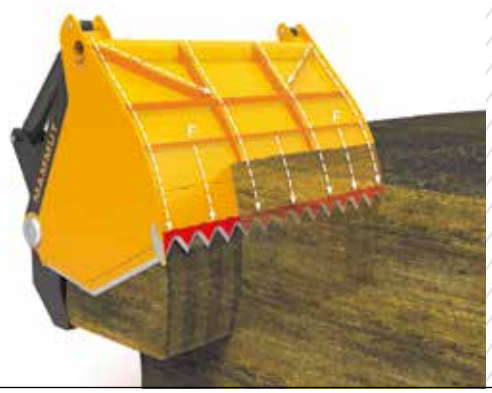
*Thanks to its design and welded cutting edge, the shear grab glides effortlessly through the feed. The smooth cut surface prevents unwanted air ingress and preserves the quality of our basic feed. With MAMMUT shear grabs, premature wear and tearing in the silage is now history."*

# UNIQUE DESIGN FOR EASY CUTTING

The MAMMUT SILO CAT shear grab impresses with its ease of use and clean, precise cut. This technique not only protects the machine, but also the silage stock, and prevents air ingress thanks to a perfect cutting edge.

## GENTLE SILAGE REMOVAL

The welded HARDOX cutting edge and the ideal cutting radius of the shear grab enable an easy cut through the silage stock. Thanks to the lower cutting resistance, the force required to move the silage is reduced.



## STABLE CONSTRUCTION FOR A LONG SERVICE LIFE

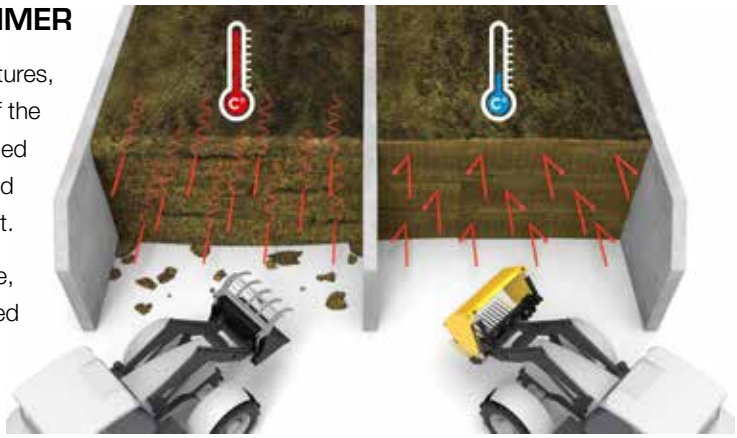
Due to the double-walled construction, all reinforcements are located inside the cutting basket, resulting in an absolutely smooth surface on the silo block. This protects the silo block from unwanted ventilation and keeps it compact and stable.

In addition, the double-walled construction gives the device enormous stability. A torsion tube also ensures that there is absolutely no distortion – even under extreme loads (e.g. cutting half a silo block out of the silo).

## CLEAN CUT – STABLE IN SUMMER

Especially in the summer months with high outside temperatures, the risk of reheating in the silo stock increases dramatically. If the feed is removed with a grab shovel, the cut surface is loosened considerably, warm air can penetrate more easily and fermentation stability suffers as a result.

The MAMMUT shear grab is completely different: the precise, clean cut preserves the silo structure. This protects the feed inside from heating up and preserves its quality. Clean removal is important, especially for hygienic basic feed and healthy animals.



# THE ADVANTAGES

## DURABILITY

Both the support frame and the tine boxes are powder-coated, ensuring durability. The large bolt diameter and a wear-resistant plastic plate on the main bearing also guarantee a long service life for the shear grab.

*The large main bearing pin (type N, M: 50 mm Ø / type H, XL: 60 mm Ø) guarantees a long service life for the shear grab.*

## CUSTOMISED SOLUTIONS

MAMMUT specializes in customized solutions and a wide variety of technical options. The SILO CAT offers many options such as a base plate or pusher for grass and maize silage combinations, various control elements (sequential valves, control block, etc.), and special solutions are also available.

*Everything from a single source: MAMMUT offers a wide range of attachments for tractors, wheel loaders and telescopic loaders.*

## HIGH FLEXIBILITY

The SILO CAT is available with a wide range of bolt-on attachments for the rear of tractors (with and without lifting gear) as well as for front loaders, wheel loaders and telescopic loaders. This means greater convenience, as there is no longer any need for time-consuming adjustment of the shear grab to the individual carrier vehicle. A wide range of accessories also provides additional flexibility for using the grapple with grass and maize silage. This adaptability saves time and therefore money.

*All accessories can be retrofitted at any time thanks to bolted connection points. Such as the foldable base plate, which prevents crumbling losses with fine-grained silage.*

# THE RIGHT SHEAR GRAB FOR EVERY FARM

## The range extends from 0.50 m³ to 3.50 m³ in volume

### Height N for front loaders, farm loaders and rear attachments

| Technical data | SC 90 N | SC 120 N | SC 150 N | SC 170 N |
|---|---|---|---|---|
| Block width | 0.91 m | 1.19 m | 1.44 m | 1.69 m |
| Block height | 0.70 m | 0.70 m | 0.70 m | 0.70 m |
| Block depth | 0.78 m | 0.78 m | 0.78 m | 0.78 m |
| Filling volume | 0.48 m³ | 0.64 m³ | 0.78 m³ | 0.92 m³ |
| Cylinder diameter (2 pcs.) | 90 mm | 100 mm | 100 mm | 100 mm |
| Net weight | 360 kg | 420 kg | 480 kg | 540 kg |
| Number of tines | 8 | 10 | 12 | 14 |

Type N, our low design, is ideal for farm loaders and front loader attachments. Particular attention has been paid to low weight here.

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

| Technical data | SC 170 M | SC 195 M | SC 220 M | SC 240 M |
|---|---|---|---|---|
| Block width | 1.69 m | 1.94 m | 2.19 m | 2.41 m |
| Block height | 0.80 m | 0.80 m | 0.80 m | 0.80 m |
| Block depth | 0.78 m | 0.78 m | 0.78 m | 0.78 m |
| Filling volume | 1.05 m³ | 1.21 m³ | 1.36 m³ | 1.51 m³ |
| Cylinder diameter (2 pcs.) | 110 mm | 110 mm | 110 mm | 110 mm |
| Net weight | 655 kg | 730 kg | 805 kg | 880 kg |
| Number of tines | 14 | 16 | 18 | 20 |

Type M, the medium-sized model, is the most versatile machine. It fits any tractor up to 100 hp and also large hydraulic loaders. Popular throughout Europe and in use in large numbers.

### Overall height H for rear mounting, telescopic loader or wheel loader

| 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 |
| Filling volume | 1.48 m³ | 1.71 m³ | 1.93 m³ | 2.12 m³ |
| Cylinder diameter (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 was specially developed for large block heights and tractors over 100 hp (lift height up to 2.3 m possible). The H models are also ideal for splitting round bales.

### Height XL for rear mounting or wheel loader

| Technical data | SC 195 XL | SC 220 XL | SC 240 XL | SC 270 XL |
|---|---|---|---|---|
| Block width | 1.94 m | 2.19 m | 2.41 m | 2.69 m |
| Block height | 1.30 m | 1.30 m | 1.30 m | 1.30 m |
| Block depth | 1.00 m | 1.00 m | 1.00 m | 1.00 m |
| Filling volume | 2.52 m³ | 2.84 m³ | 3.13 m³ | 3.50 m³ |
| Cylinder diameter (4 pcs.) | 100 mm | 100 mm | 100 mm | 100 mm |
| Net weight | 1,510 kg | 1,630 kg | 1,750 kg | 1,970 kg |
| Number of tines | 16 | 18 | 20 | 22 |

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

Subject to technical changes

VIDEO
www.mammut.at

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