



SALES MANUAL AND PRICE LIST 2023

Valid from 01. 01. 2023 | Export

Müthing mulchers

AGRICULTURE | LANDSCAPING | FRUIT AND WINE GROWING | SOCIAL CROPS

Table of Contents

Page

Müthing sales arguments	6
Our experience - Your benefit	6
Double spiral rotor	7
The Müthing Vario System - Versatile Application	8 - 9
Thrown-object test certified by TÜV Nord certification body	10
Genuine Müthing tools	11
Roller Bearing Starinth®	12
MU-SOFA® weight transfer system	13

Type	Working width	For tractors of (HP)	Mounting Options	Details page	Price list page	Technical specifications
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FRONT AND / OR REAR-MOUNTED MULCHERS

MU-B (for single-axle mower)	80 - 140 cm	15 - 25 HP	F	16 - 17	18 - 19	126 - 127
MU-C	80 - 160 cm	15 - 35 HP	R	20	22 - 23	126 - 127
MU-C	100 - 160 cm	15 - 35 HP	F	20	22 - 23	126 - 127
MU-C Hydro	120 - 160 cm	35 - 55 l/min	F	20	24 - 25	126 - 127
MU-ÖKOTOP NEW	140 - 160 cm	20 - 40 HP	F	21	26 - 27	126 - 127
MU-FM	120 - 160 cm	20 - 40 HP	F	21	28 - 29	128 - 129
MU-FM Hydro	120 - 160 cm	35 - 70 l/min	F	21	30 - 31	128 - 129
MU-COLLECT Vario	140 - 160 cm	20 - 40 HP	F	32 - 33	34 - 35	128 - 129
MU-E Vario	120 - 200 cm	25 - 60 HP	F + R	36 - 37	38 - 39	128 - 129
MU-E Hydro Vario with MU-CONNECT 200	140 - 200 cm	50 - 90 l/min	F	40 - 41	42 - 45	128 - 129
MU-E/F Trail Vario	360 - 560 cm	60 - 180 HP	D	46 - 47	48 - 49	130 - 131
MU-ECOTOP	160 - 200 cm	30 - 75 HP	R		50 - 51	130 - 131
MU-H Vario	120 - 220 cm	35 - 90 HP	F + R	52	54 - 55	130 - 131
MU-L Vario	180 - 280 cm	45 - 130 HP	F + R	53	56 - 57	130 - 131
MU-M Vario	220 - 300 cm	75 - 160 HP	F + R	58 - 59	60 - 61	130 - 131
MU-Vario-Shark 2.0 NEW	280 - 300 cm	95 - 200 HP	F + R	62 - 63	64 - 65	132 - 133
MU-M/F Vario	600 cm	130 - 300 HP	R	66 - 67	68 - 69	132 - 133
MU-PRO Vario	250 - 320 cm	95 - 250 HP	F + R	70 - 71	72 - 73	132 - 133
CoverSeeder NEW	280 cm	130 - 250 HP	R		74 - 75	132 - 133
MU-PRO/F Vario	860 cm	200 - 400 HP	R	76 - 77	78 - 79	134 - 135
MU-PRO/F Trail Vario	860 cm	200 - 500 HP	D	76 - 77	80 - 81	134 - 135
MU-Farmer	670 cm	240 - 300 HP	R	106 - 107	108 - 109	134 - 135

F = Front mounted R = Rear mounted D = Drawn

Type	Working width	For tractors of (HP)	Mounting Options	Details page	Price list page	Technical specifications
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REAR AND SIDE MULCHERS

MU-FM/S	120 - 160 cm	30 - 45 HP	R	83	86 - 87	134 - 135
MU-H/S <i>Vario</i>	140 - 200 cm	55 - 90 HP	R	90	92 - 93	134 - 135
MU-L/S <i>Vario</i>	200 - 250 cm	75 - 130 HP	R	91	94 - 95	136 - 137
MU-PRO/S <i>Vario</i>	250 cm	180 - 220 HP	R	102 - 103	104 - 105	136 - 137

SIDE MULCHERS

MU-C/S	100 - 120 cm	20 - 35 HP	R	82	84 - 85	136 - 137
MU-E/S	120 - 160 cm	30 - 60 HP	F + R		88 - 89	136 - 137
MU-M/S	180 - 250 cm	95 - 160 HP	R	96 - 97	98 - 99	138 - 139
MU-M/S PLUS <i>Vario</i> NEW	220 - 280 cm	160 - 200 HP	R		100 - 101	138 - 139

MULCHERS FOR WINE AND FRUIT GROWING

MU-W (for vineyards)	100 - 200 cm	35 - 90 HP	F + R	110	112 - 113	138 - 139
MU-O <i>Vario</i> (for orchards)	180 - 250 cm	- 130 HP	F + R	111	114 - 115	138 - 139

F = Front mounted **R** = Rear mounted **D** = Drawn

Flails and wearing spare parts	116 - 118
PTO shaft standard profiles	120 - 121
Coupling triangle Cat. 0 + 1 N	120 - 121
Adapter plates to MU-CONNECT	122 - 123
Small tractor data sheet checklist	124
Check list MU-Hydro Mulching Systems	125
Overview of technical data	126 - 139
Delivery, payment and warranty conditions	140 - 141

Product Range Overview

FOR LANDSCAPING AND MUNICIPAL APPLICATIONS

	Working width		Page												
				10	20	30	40	50	60	70	80	90			
MU-B	80 - 140 cm	M	18		15	25									
MU-C	100 - 160 cm	F	22		15		35								
MU-C	80 - 160 cm	R	22		15		35								
MU-Ökotop	140 - 160 cm	F	26			20		40							
MU-FM	120 - 160 cm	F	28			20		40							
MU-Collect Vario	140 - 160 cm	F	34			20		40							
MU-E Vario	120 - 200 cm	F / R	38				25		50	60					
MU-E/F Vario	360 - 560 cm	D / R	48							60					
MU-C/S	100 - 120 cm	R-S	84			20		35							
MU-FM/S	120 - 160 cm	R + S	86					30	45						
MU-E/S	120 - 160 cm	R-S	88					30		60					
MU-C Hydro	120 - 160 cm	F	24					Hydraulic motor	35 - 55 l/min						
MU-FM Hydro	120 - 160 cm	F	30					Hydraulic motor	35 - 70 l/min						
MU-E Hydro Vario	140 - 200 cm	F	42					Hydraulic motor		50 - 90 l/min					

FOR AGRICULTURAL APPLICATIONS

	Working width		Page												
				10	20	30	40	50	60	70	80	90			
MU-ECOTOP	160 - 200 cm	R	50				30			60		75			
MU-W	100 - 200 cm	F / R	112					35				75		90	
MU-H Vario	120 - 220 cm	F / R	54					35				75		90	
MU-O Vario	180 - 250 cm	F / R	114					35							
MU-L Vario	180 - 280 cm	F / R	56						45						
MU-M Vario	220 - 300 cm	F / R	60										75		
MU-Vario-Shark 2.0	280 - 300 cm	F / R	64												
MU-PRO Vario	250 - 320 cm	F / R	72												
CoverSeeder	280 cm	R	74												
MU-M/F Vario	600 cm	R	68												
MU-PRO/F Vario	860 cm	D / R	78												
MU-Farmer	670 cm	R	108												

SIDE MULCHERS

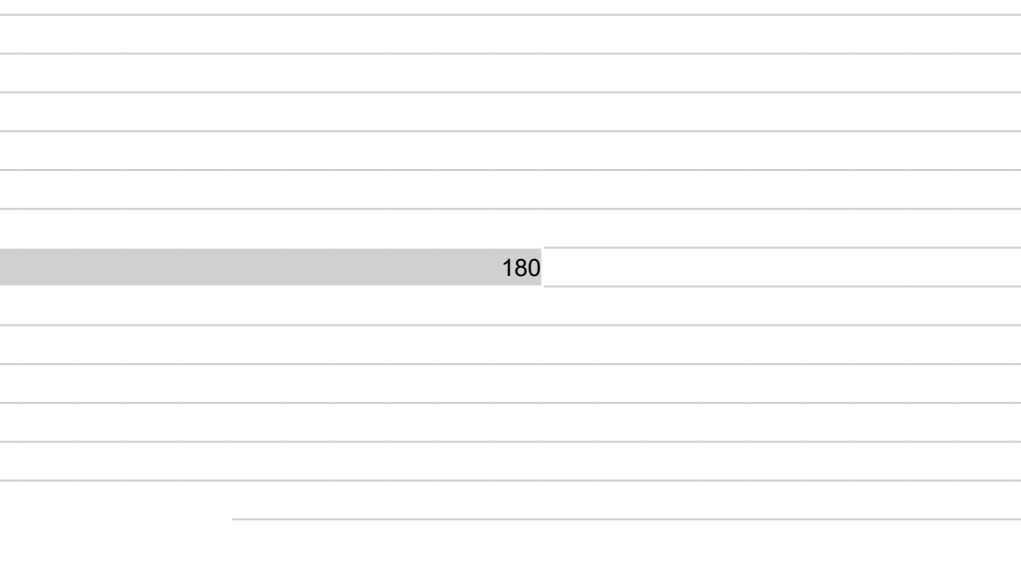
	Working width		Page												
				10	20	30	40	50	60	70	80	90			
MU-H/S Vario	140 - 200 cm	R + S	92							55					90
MU-L/S Vario	200 - 250 cm	R + S	94										75		
MU-M/S	180 - 250 cm	R-S	98												
MU-M/S PLUS Vario	220 - 280 cm	R-S	100												
MU-PRO/S Vario	250 cm	R + S	104												

Important:

Some model series can be converted from 540 rpm to 1000 rpm or higher, which makes higher driving powers permissible. In these cases you will see two horsepower values.

Driving power (HP)

90	100	120	140	160	180	200	220	240	280	320	360	400	500
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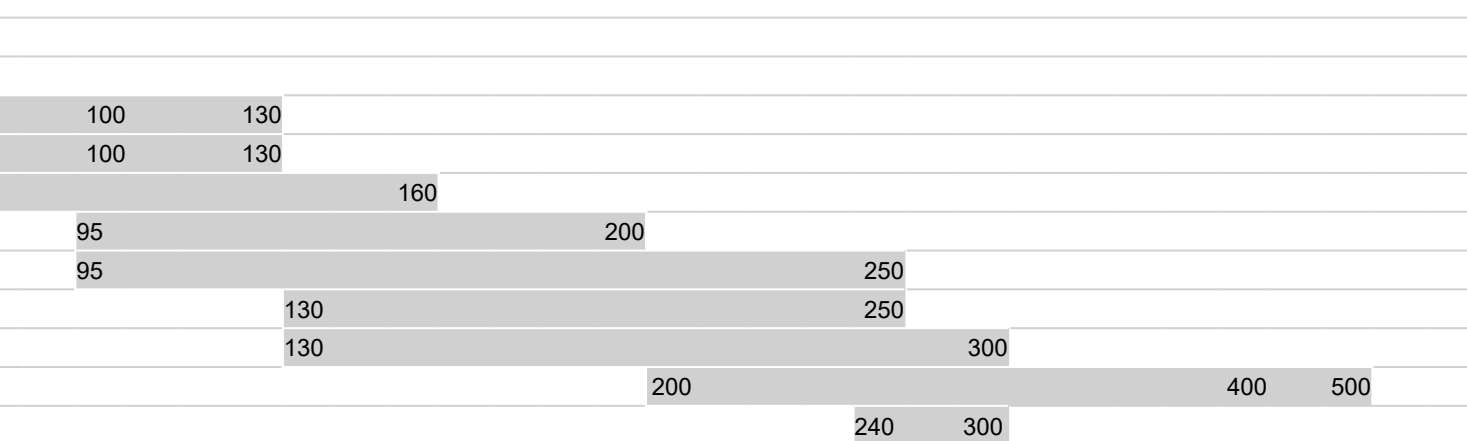
Explanation

Mounting options:

- M = Single-axle mower
- F = Front mounting
- R = Rear mounting
- F/R = Front or rear mounting
- D/R = Drawn / rear mounting
- R-S = Rear/side mounting
- R+S = Rear and side mounting

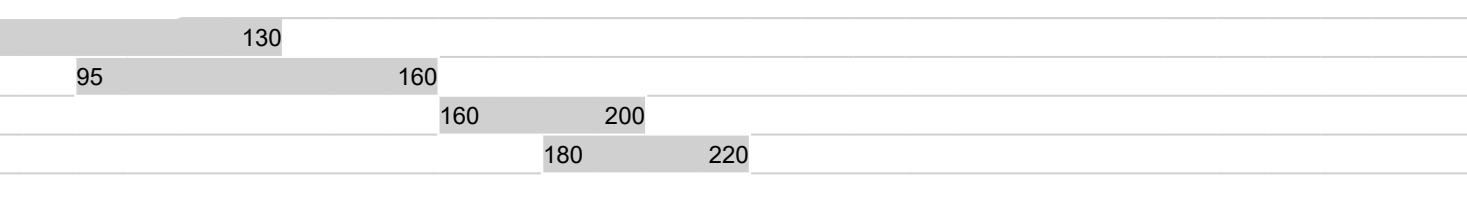
Driving power (HP)

90	100	120	140	160	180	200	220	240	280	320	360	400	500
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Driving power (HP)

90	100	120	140	160	180	200	220	240	280	320	360	400	500
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Paintwork:
 RAL 1007 yellow, satin-gloss
 RAL 9005 black, satin

Our experience – Your benefit

1. Round housing made of fine-grain steel with many profile angles

- Smooth running for better fuel economy
- Every profile angle provides stability = Value retention
- Large opening between mulcher housing and support roller = No blockages when processing high volumes of mulch

2. Removable Bolt-on wearing parts for easy replacement

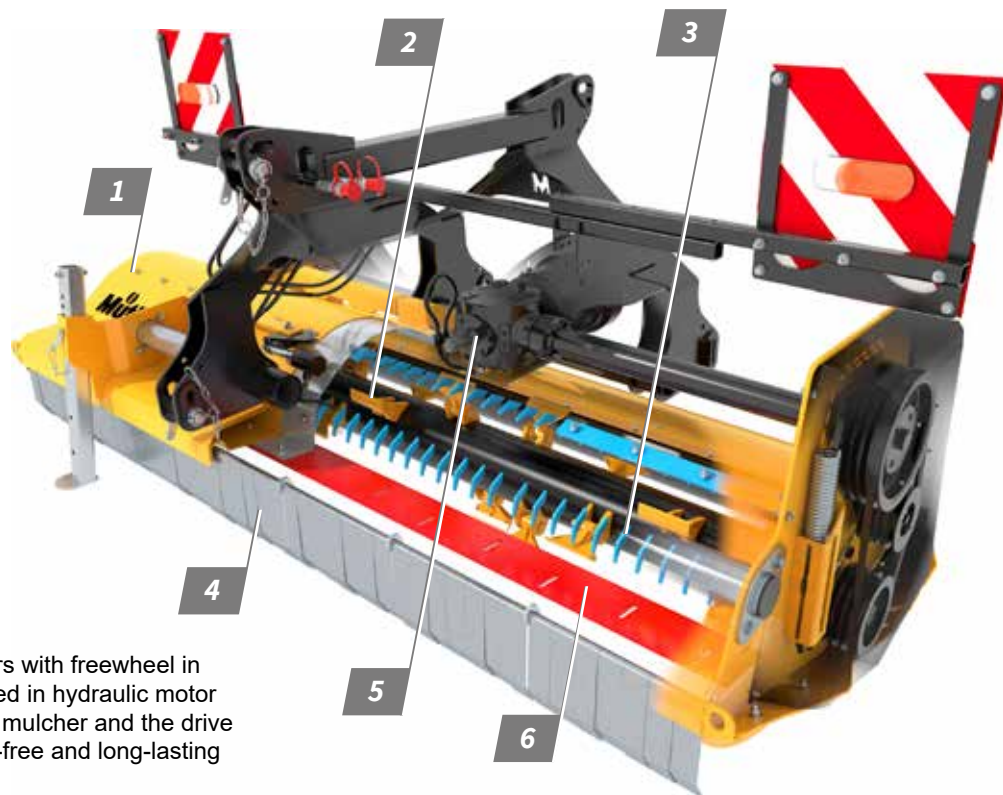
- To preserve the high Mulching and Shredding Quality of the Müthing flail
- To ensure long life conservation of the flail

3. Exceptional shredding of crop residues even in difficult conditions

- Unique, patented "Shark fin" shredding bar system with bolt-on segments easy to remove
- First-class mulch quality is ensured, regardless of weather conditions
- Blockage free work = Smooth running = Fuel efficient

4. High tempered one way spring steel protection flaps

- Nearly unbreakable for optimum safety
- Small design und opening for more protection against obstacles thrown out to the front



5. Drive unit

All Müthing mulchers with freewheel in gear box or protected in hydraulic motor = Protection for the mulcher and the drive unit – maintenance-free and long-lasting

Maintenance

Few lubrication points with easy access

Favourable prices for original spare parts

Please find an extract of our favourable spare parts prices at page 116

Safety

All Müthing flail mowers are designed and manufactured according to CE regulations and are TÜV-certified by the thrown object test according to ISO 17101-2 for optimal safety

6. Adjustable cutting bar

- Infinitely variable adjustment of the shredding rate.
- Ensures a perfect mulching result.
- Higher driving speeds and higher surface outputs with constant quality.

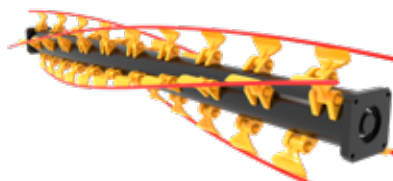
Our technology partners:



NEW



DURAX M-hammer flails



2Cut double-cut rotor * (Option)

The special arrangement of the mulching tools ensures greater working efficiency: With 75% more tools, the cutting rate is increased by 100%. The tool arrangement operates at double the cutting rate of conventional rotors and thus enables an increased working speed combined with reduced rpm.



M Shackle flail (as an option)

To protect against damage from obstacles and loss of flails

7. Weight balance, to secure balance

To protect against damage if there is a high prevalence of obstacles and stones

8. Double spiral rotor

Running with high quality of cut and shredding using less power and saving energy

9. Excellent ground following with an even cutting height. On the MU-M Vario and MU-PRO Vario with patented swivelling support roller for simple changeover to one-man operation.

For depositing mulch either behind or in front of the support roller.

Discharging of material in front of support roller:

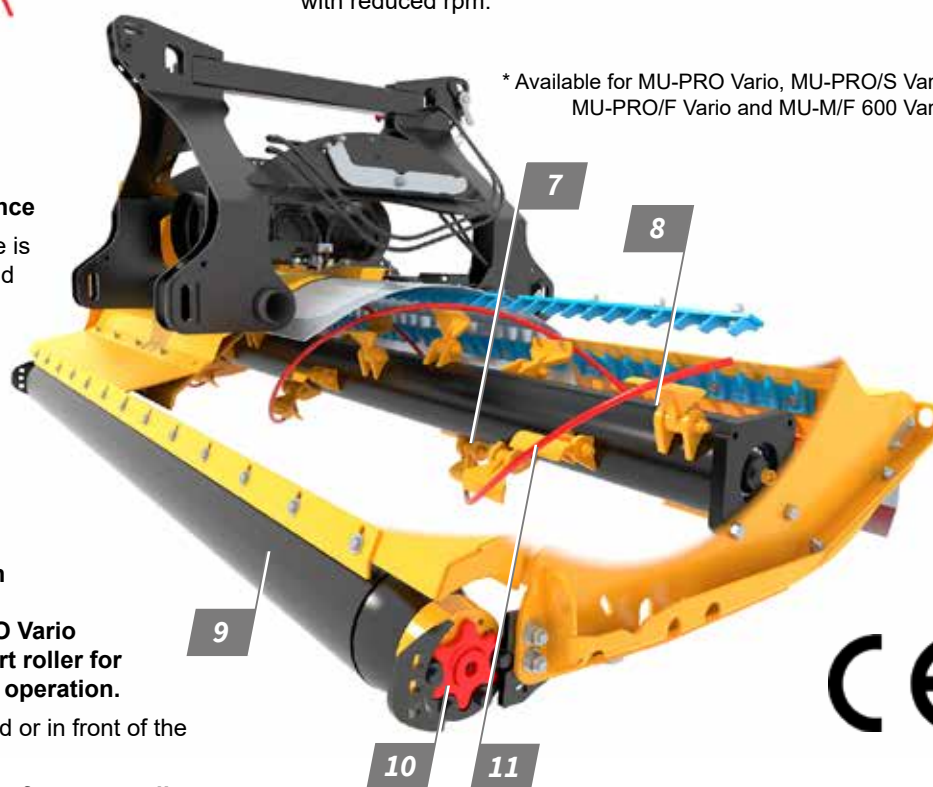
- Excellent germination characteristics of volunteer grain due to soil reconsolidation
- Low dust impact with front mounting
- Reduced tool wear
- Fewer coarse particles in the mulch

Discharging of material behind support roller:

- Support roller very close to the rotor = precise depth control
- Uniform discharge of mulch behind support roller = fast decomposition process
- Self-cleaning support roller = exact working depth is maintained

10. Flail mowers for professional use with unique support roller bearing system Starinth® (From model MU-L onwards)

Heavy duty long lasting roller bearing system with multilayer labyrinth sealing and floating star shaft into the side panel (see page 12)



* Available for MU-PRO Vario, MU-PRO/S Vario, MU-PRO/F Vario and MU-M/F 600 Vario.



11. High-quality DuraX M-hammer flails with full support on the rotor

- Low-wear DURAX M-hammer flails with self-sharpening effect
- Swinging back when hitting obstacles for rotor and flail mower safety with support over the full flail width onto the rotor to minimize breaking of flails and rotor imbalance
- High material quality for safety and preservation of the flail mower

Tangential tool holders lift the rotor over obstacles and thus protect it from imbalance

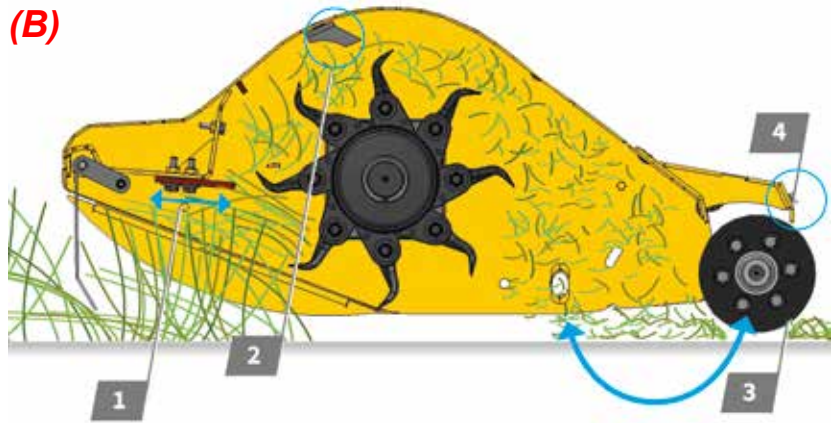
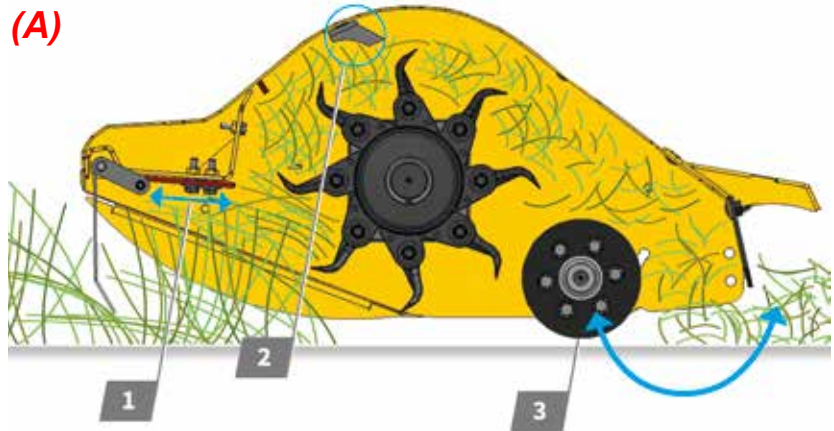
The connection to the rotor is improved by the longer weld seam, which prevents the blade holders from breaking off.

The Müthing Vario System

With variable cutting bar

FOR MAXIMUM WORKING CONVENIENCE AND FLEXIBILITY

The Vario System allows you to adjust the mulcher to your conditions thanks to its optimal intake and housing form, variable PTO shaft speeds, an infinitely variable Vario cutting bar and the swivelling support roller.



1. The **adjustable cutting bar** allows infinitely variable adjustment of the shredding and chopping rate according to the particular requirements.

- Optimal mulching results even in wet conditions, on tramlines, with high mass content or plant material that is difficult to shred.
- Compacted crop residues can be reached due to the strong suction effect.
- The shredding can be individually optimized to each crop, irrespective of whether you are mulching maize stover or catch crops.
- Higher vehicle speeds and higher surface outputs with constant quality are possible thanks to the infinitely variable shredding rate.

2. "Shark fin":

- Uniform shredding of all particles and homogenous mulch
- Long material is fed through the rotor in a second step, whereas material that is already shredded passes through.
- Self-cleaning and exchangeable

3. The **swivelling support roller** makes the mulcher a piece of equipment that can be used all year round.

The mulch can be deposited either in front of or behind the support roller (available as of the MU-M series).

(A) Support roller swivelled to front:

- Loose depositing of mulch behind the support roller.
- Ideal for maintaining pasture and side strips, as well as for catch crops.
- Fast decomposition of the mulch.
- Exact depth control.

(B) Support roller swivelled to rear:

- Depositing of mulch in front of support roller.
- Pressing of mulch by support roller.
- Optimal soil contact ensures prompt germination of volunteer seeds.
- Lower dust impact with front mounting.

4. The **sturdy support roller scraper bar** (optional) ensures trouble-free mulching even in extremely wet conditions.

NEW: VARIO-SHIFT hydraulic variant

The adjustable cutting bar - only for the MU-Pro - is also optionally available with hydraulic adjustment. This allows the shredding rate to be adjusted conveniently from within the cab.

Versatile Application

The correct processing for any crop

Individual settings tailored to different crops for mulching after rape, grain stubble, maize, catch crops and for grassland care.



AGRICULTURE



Range of applications varies from landscaping, golf course and sports ground maintenance through to the mulching of overgrown fields.



LANDSCAPING



In fruit and wine growing and other special crops: Efficient management of grass growth and cuttings/prunings.



SPECIAL CROPS



FLEXIBLE SHREDDING RATE ADJUSTMENT

The shredding rate of the mulch can be variably adjusted thanks to the adjustable cutting bar.

Top of picture: Low shredding rate

Bottom of picture: High shredding rate



Thrown-object test certified by TÜV Nord certification body



Müthing mulchers

Stay one step ahead with certified safety!

- Europe's agricultural machinery manufacturers have to manufacture their machines in accordance with CE machinery directives.
- Applying the CE marking is a self-declaration of compliance with the CE directives.
- One of these CE machinery directives is entitled: "Thrown-object test and acceptance criteria for flail mulchers as per ISO/WD 17101-2".
- We went one step further and commissioned an independent, accredited institute - TÜV Nord - to assess and certify our compliance with this machinery directive.



Your benefit

Maximum safety and worry-free operation

with observation of the safety clearances of 8 metres towards the front and rear and 2 metres towards the right and left.



The original: The DURAX M-hammer flail!

Your Benefit:

- Secure usage because of a double carrier - no risk of fracture
- Close weight tolerance of the flails prevents rotor imbalance - especially while changing tools
- Optimal ergonomic properties for a perfect mulching result, high-strength boron-alloyed quenched and tempered steel
- Easily driven due to specially designed shape - fuel efficient
- Self sharpening cutting edge
- Long lasting lifetime due to special alloying

Farmer hammer flails

- Highly durable tool used in mulchers of the MU-Farmer® model series.
- Made out of rolled steel and weighing 2.7 kg, the tool provides extreme durability even under high throughput rates or with light ground contact.
- We provide a 3-year WARRANTY AGAINST BREAKAGE for this tool.

Triple Y-blade

- Low power requirement.
- Can be easily exchanged for the DuraX M-hammer flail.
- Reduced dust impact due to reduced air movement.
- Available via spare parts warehouse



Carbide M-shackle flail

- Efficient universal tool in your mulcher for landscaping applications.
- The sharp blade leaves behind a uniformly even cutting pattern.
- High-strength HARDOX steel ensures good wear resistance.
- The tool weight and forged shackle mount ensure a stable trajectory and make the carbide M-shackle flail resistant to foreign objects.
- Good delivery performance thanks to an optimal angle of attack and aerodynamic design.

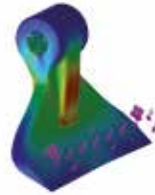


Scarifying blade

- The swinging mount allows the blades to evade foreign objects.
- Working depth can be conveniently adjusted to 2 - 3 mm by the mulcher (support roller or support wheels depending on equipment).
- With blades rotating at 45 m/s, the matted layer in the root crown area is actively cut and aerated; the result is a long-lasting improvement in the soil structure.
- Available for MU-COLLECT



NEW



M-shackle flail

- Used wherever frequent contact with foreign objects is expected.
- The shackles give the flails the required clearance to avoid foreign objects. This protects against damage and allows trouble-free operation.
- Concealed stones or rock edges in the field present no risk to the M-shackle flail.



M-scoop blade

- Tool used for lighter-duty landscaping applications.
- Uniform cutting pattern, including for areas with high appearance-related requirements.
- Ideal material delivery performance thanks to aerodynamic scoop shape.



- Müthing tools are mounted with highly-tempered bolts with fine-pitch thread. For durability even under the toughest operating conditions.
- Full warranty when using original Müthing parts for Mulching Systems and spare parts

Roller Bearing Starinth®

Top quality durable, heavy duty rear roller bearing system with multilayer sealing and large volume, double tapered roller bearing that meets even the most demanding requirements

Sealing 1 = Outer wrap and winding protection between the roller and the flail side panel to reject coarse debris

Sealing 2 = Greased mechanical labyrinth as central protection against dirt, mud, plant residue and moisture

Sealing 3 = Greased multilayer labyrinth made out of small spring steel rings to protect against fine dust and moisture residue

Sealing 4 = Sealed double tapered roller bearing with high load capacity



Pre-assembled bearing unit in a strong cast housing to bolt on with floating star shaft into the side panel to allow better tolerance of impacts and side forces on hard and uneven surfaces, from heavy duty work and fast mowing

Robust – Durable – Long-lasting – Maintenance-friendly

MU-SOFA® weight transfer system as optional equipment



MU-SOFA® Tractor Attachment



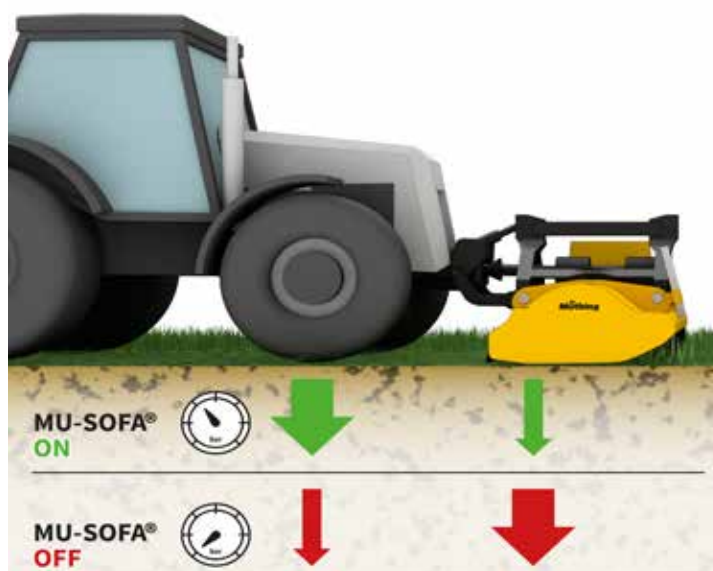
MU-SOFA® Device Attachment

The adjustable hydraulic weight transfer System "MU-SOFA®" by Müthing for front mounting:

- Helps the steering capability of tractors in work with front mounted attachment.
- Offers more comfort for the driver while working and transporting.
- Improves the contour following for front mounting and the function of the unit.
- Easy control of the constant distance to ground, provides from damage of rough soil contact.
- Offers an easy adjustment of the load relief for different weight- and working conditions.
- To reduce bouncing during work and transport.
- To save expensive accessories, e.g. front mounted wheels, or shock-absorbing springs

A valid investment for safe and comfortable work, for long lasting front mounting, for the prevention of wear and repair costs and for the realization of profits.

The Müthing MU-SOFA® can be installed into all known hydraulic systems of existing front hydraulic 3 point linkages. (Installation time is about 4 hours.)



Due to the adjustability for the tractor all front mounting devices are covered for example Mulching Systems, Mowers, Bed Rollers, Haulm Choppers, Snow Ploughs.

Alternatively there's a addition of MU-SOFA® Mobil for the particular construction available, an additional t-piece is connected with hydraulic line of the tractor.

Flail Mower details

MU-B



Flail Mower details

MU-B

Compatibility with quick coupling adapters for AEBI, KÖPPL, RAPID and REFORM:



AEBI
(CC56, CC66, TC07)



KÖPPL
(Gekko)



RAPID
(EURO 4, Orbito)



REFORM
(M 14, Bucher)



Trouble-free and low-maintenance operation due to the efficient design of the automatic belt tensioning system.



The MU-B impresses with its sturdy, compact and low design - a crucial advantage when working with a single-axle tractor.



Thrown-object test certified by TÜV Nord certification body: Maximum safety and worry-free operation.



Sturdy, screw-type carbide M-shackle flails and the full-length trailing support roller ensure a perfect mowing result. Smooth-running Y-blades are available optionally.

Flail Mowers MU-B

Front mulcher for single-axle mowers from 15 to 25 hp



Details MU-B page: 16 - 17

Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel
- **Gearbox with integrated security braking system**
- **Automatic belt tensioning**
- Support roller for adjusting height of mulcher
- **Hardox wear runners, screw-type**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- **Carbide M-shackle flail**
- Removable shredding bar
- Highly tempered spring steel flaps with swing protection

Options

- **Attachment adapter for:**
 - Aebi (CC 56, CC 66, TC 07)
 - Köppl (Gekko)
 - Rapid (EURO, Orbito)
 - Reform (M14) , Bucher
- Other tool variant: Double Y-blade (CE mark only)
- Wear insert in housing (factory mounted)

Technical Data

Model	Working width	Overall width	max. Tractor-HP	Weight	Flails
MU-B 80	80 cm	97 cm	24 HP	120 kg	12 pieces
MU-B 100	100 cm	117 cm	24 HP	137 kg	16 pieces
MU-B 120	120 cm	137 cm	24 HP	154 kg	20 pieces
MU-B 140	140 cm	157 cm	24 HP	171 kg	24 pieces

Flail Mowers MU-B

Front mulcher for single-axle mowers from 15 to 25 hp



Order number	Model	Retail price
MU-B080-31	MU-B 80 front mulcher for single-axle mower	4.625,00 €
MU-B100-31	MU-B 100 front mulcher for single-axle mower	4.775,00 €
MU-B120-31	MU-B 120 front mulcher for single-axle mower	4.915,00 €
MU-B140-31	MU-B 140 front mulcher for single-axle mower	5.025,00 €
Options		
MU-BZ060	Adapter for AEBI (CC 56, CC 66 oder TC 07)	700,00 €
MU-BZ064	Adapter for KÖPPEL (Gekko)	1.155,00 €
MU-BZ062	Adapter for RAPID (EURO4, Orbito, Nr. 507)	650,00 €
MU-BZ061	Adapter for REFORM (M14) and BUCHER	815,00 €
MU-BZ056-100	Rotor for MU-B 100 with 78 Y-blades – Additional cost	625,00 €
MU-BZ056-120	Rotor for MU-B 120 with 92 Y-blades – Additional cost	670,00 €
MU-BZ056-140	Rotor for MU-B 140 with 106 Y-blades – Additional cost	705,00 €
MU-BZ041	Wear insert in housing (fitted)	325,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

Flail Mower details

MU-C, MU-C Hydro



Rear mounting: Gear box with freewheel for 540 rpm (can be converted to 1,000 rpm), clearance from PTO stub shaft to ground approx. 50 cm



Front mounting: Low-mounted gear box with freewheel for 1,000 rpm (can be converted to 2,000 rpm), clearance from PTO stub shaft to ground approx. 25 cm



Hydraulic drive for flow rates of 35 - 55 l/min, with integrated freewheel



Large support roller for adjusting height of mulcher



Hardox wear skids, bolt on



Highly tempered spring steel flaps with swing protection



Optional: Wear insert in housing (fitted)



Bolt on short chopping bar system: "Shark fin" design - a Müthing patent

Flail Mower details

MU-FM, MU-FM Hydro



Low-mounted gear box with freewheel for 2,200 rpm (clearance from PTO stub shaft to ground approx. 35 cm)



- Adapter plate for yard loader (without vehicle-specific attaching parts)
- Adapter plate for yard loader (with vehicle-specific attaching parts)
- Hydraulic side shift (1x DA)



- Hydraulic drive for flow rates of 35 - 70 l/min, with integrated freewheel
- Required hydraulic connections:
1x pressure line
1x return line, max. back pressure < 20 bar



4-wheel solution: consisting of vertically adjustable and 360° swivelling front/rear support wheels - instead of support roller



- Support roller for infinitely variable height adjustment of mulcher
- Hardox wear skids bolt on
- Highly tempered spring steel flaps with swing protection



Sturdy, large and vertically adjustable support wheels, 360° swivelling and screwed on (dia. approx. 235 mm and approx. 80 mm wide) - as illustrated

Flail Mowers MU-C

Front or Rear mounting

for small and compact tractors from 15 to 35 hp



Details MU-C page: 20

Standard Equipment

- Made of fine-grain QSt/E steel for rear mounting with centrally mounted 3-point trestle, Cat. 1 (optimized new housing form, with larger opening and profile angles for flow optimization)
- Belt rear mounting: Gearbox with integrated over run clutch for 540 rpm (1.000 rpm possible as option, distance of the ground to PTO shaft cc. 50 cm) – up to 35 HP
- Front mounting: low positioned gearbox with integrated over run clutch for 1,000 rpm (2,000 rpm possible as option, distance of the ground to PTO shaft cc. 25 cm) – up to 35 HP
- Belt protection with tension measuring slot
- **Carbide M-shackle flail**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern (large rotor and support roller unit with reinforced rotor bearing protection)
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Large support roller for adjusting working height of mulcher
- Carbide wearing skids, removable
- High tempered one way spring steel protection flaps in front of the mower hood
- **PTO shaft with hardened inner pipe and cap bottom lubrication**

Options

- Mount for municipal quick-coupling triangle (installed on implement) for front mounting
- Mounting console for support arms instead of 3-point trestle
Warning! Limitation of working width on MU-C 100 and MU-C 120
- MU-SOFA® weight transfer system, recommended for front-mounted machines
- Wear insert in housing (factory mounted)
- **Second screw-type short chopping bar system "Shark fin" design – a Müthing patent (only for front mounting)**
- Strong, height adjustable support wheels, 360° swivel in front of the flail (Ø ca. 235 mm height and ca 80 mm wide) as shown above

Technical Data

Model	Working width	Overall width	max. Tractor-HP Front / Rear	Weight Front / Rear	Flails
MU-C 80	80 cm	97 cm	- / 35 HP	- / 154 kg	12 pieces
MU-C 100	100 cm	124 cm	35 / 35 HP	145 / 169 kg	16 pieces
MU-C 120	120 cm	144 cm	35 / 35 HP	151 / 185 kg	20 pieces
MU-C 140	140 cm	164 cm	35 / 35 HP	159 / 200 kg	24 pieces
MU-C 160	160 cm	184 cm	35 / 35 HP	175 / 215 kg	28 pieces

Flail Mowers MU-C

Front or Rear mounting

for small and compact tractors from 15 to 35 hp



Order number	Model	Retail price
MU-C080-31	MU-C 080 – rear mounted	3.115,00 €
MU-C100-31	MU-C 100 – rear mounted	3.315,00 €
MU-C120-31	MU-C 120 – rear mounted	3.520,00 €
MU-C140-31	MU-C 140 – rear mounted	3.730,00 €
MU-C160-31	MU-C 160 – rear mounted	3.985,00 €
* PTO rotation to the right (-1), or to the left (-2) – driving direction		
MU-C100.2-31-1 -2	MU-C 100 – front mounted	3.445,00 €
MU-C120.2-31-1 -2	MU-C 120 – front mounted	3.675,00 €
MU-C140.2-31-1 -2	MU-C 140 – front mounted	3.850,00 €
MU-C160.2-31-1 -2	MU-C 160 – front mounted	3.990,00 €
Options		
MU-CZ012	Hydraulically adjustable 3-point trestle, Cat. 1, for rear mounting, 26 cm side shift (from MU-C 100)	605,00 €
MU-CZ016	Holder for municipal quick-coupling triangle, equipment-side, for front mounting	430,00 €
MU-CZ011-ALPIN	* 3-point trestle (Cat. 1) „Alpine“ for converting rear-mounted MU-C to front mounting for carrier vehicles, 540 rpm or 1,000 rpm (MU-C 140 – 160)	1.470,00 €
MU-CZ063	Mounting console for support arms – Additional cost	310,00 €
MU-CZ020	Modification to different rpm	250,00 €
MU-CZ046	Second screw-type short chopping bar system with „shark fin“ design – a Müthing patent (only for front mounting)	135,00 €
MU-CZ041	Wear insert in housing (fitted)	445,00 €
MU-CZ031.1	Vertically adjustable support wheels, 360° swivelling (only for front mounting)	970,00 €
MU-SOFA	MU-SOFA® weight transfer system, recommended for front-mounted machines. See page 13.	1.120,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

*** Please note:**

For Front mounting please state on a copy of the data sheet on page 124 the driving direction of the Front P.T.O. (seen from behind to left or right rotation) as well as the R.P.M., size and model of the P.T.O. itself (See page 120 and 121 on the P.T.O. overview). When Front mounting please pay attention to the permitted Maximum Tractor Front Axle Load!

Flail Mowers MU-C Hydro

for front mowers with hydraulic drive from 35 to 55 l/min



Details MU-C Hydro page: 20

Standard Equipment

- Made of fine-grain QSt/E steel, without 3-point trestle (optimized new housing form, with larger opening and profile angles for flow optimization)
- Hydraulic drive for a volume flow of 35 - 55 l/min, with an integrated over run clutch
- Hydraulic spool valves required: 1 x pressure flow, 1 x pressure less return flow (max. counter-pressure < 20 bar)
- Belt protection with tension measuring slot
- **Carbide M-shackle flail**
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles, bearings protected against dirt, wear and tear
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Large support roller for adjusting working height of mulcher
- Carbide wearing skids, removable
- High tempered one way spring steel protection flaps in front of the mower hood
- **Hydraulic hoses without couplings**

Options

- 3-point linkage for front mounting
- Mount for municipal quick-coupling triangle (installed on implement) for front mounting (only possible in combination with 3-point trestle)
- Mounting console for support arms instead of 3-point trestle
Warning! Limitation of working width on MU-C 100 and MU-C 120
- Safety valve for operating pressure over 180 bar
- MU-SOFA® weight transfer system, recommended for front-mounted machines
- Wear insert in housing (factory mounted)
- **Second screw-type short chopping bar system "Shark fin" design – a Müthing patent**
- Strong, height adjustable support wheels, 360° swivel in front of the flail (Ø ca. 235 mm height and ca 80 mm wide)

Technical Data

Model	Working width	Overall width	Oil quantity	Weight	Flails
MU-C Hydro 120	120 cm	144 cm	35 Ltr, / min,	138 kg	20 pieces
MU-C Hydro 140	140 cm	164 cm	40 Ltr, / min,	146 kg	24 pieces
MU-C Hydro 160	160 cm	184 cm	45 Ltr, / min,	154 kg	28 pieces

Flail Mowers MU-C Hydro

for front mowers with hydraulic drive from 35 to 55 l/min



Order number	Model	Retail price
MU-C Hydro 120	MU-C 120 – without 3-point linkage	4.385,00 €
MU-C Hydro 140	MU-C 140 – without 3-point linkage	4.580,00 €
MU-C Hydro 160	MU-C 160 – without 3-point linkage	4.605,00 €
<p>* Please note: Please state when ordering the volume flow</p>		
MU-CZHY35	Designed for hydraulic drive volume flow vehicles 35 l/min	
MU-CZHY4045	Designed for hydraulic drive volume flow vehicles 40 – 45 l/min	
MU-CZHY5055	Designed for hydraulic drive volume flow vehicles 50 – 55 l/min	
<p>* Please note: Please state when ordering the max. engine output by liter, the max. oil pressure and the version of the vehicle, as shown on page 121.</p>		
<p>Options</p>		
MU-CZ010	3-point trestle, Cat. 1, screwed	285,00 €
MU-CZ016	Holder for equipment-side quick-coupling triangle for front mounting (Cat. 0), only in combination with 3-point trestle MU-CZ010	430,00 €
MU-CZ063	Mounting console for support arms	310,00 €
MU-CZ046	Second screw-type short chopping bar system „Shark fin“ design – a Müthing patent	135,00 €
MU-CZ041	Wear insert in housing (fitted)	445,00 €
MU-CZ031.1	Vertically adjustable support wheels, 360° swivelling	970,00 €
MU-XZ010	Safety valve for operating pressure over 180 bar	520,00 €
MU-SOFA	MU-SOFA® weight transfer system, recommended for front-mounted machines. See page 13.	1.120,00 €
Prior freight component		at cost
Packaging / palletisation		70,00 €
Freight costs for supplemental delivery of accessories		at cost
Initial induction		on request
<p>* Please note: <i>When Front mounting please pay attention to the permitted Maximum Tractor Front Axle Load!</i></p>		

MU-ÖKOTOP landscaping mower

for front mowers from 20 to 40 HP



Details MU-Ökoto page: 21

NEW

Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel for front mounting onto professional front mowers with 2 point linkage
- Low-mounted gear box with freewheel for 2200 rpm, clearance from power take-off stub shaft to ground approx. 35 cm
- Belt protection with tension measuring slot
- **Y-blades for low suction effect**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Side, wearing skids
- Carbide wearing skids, removable
- High tempered spring steel one way protection flaps in front of the mower hood
- **PTO shaft with hardened inner tube and cap bottom lubrication**
- **Variable working height of up to 11 cm**
- **Forward-mounted "BEEHAPPY" insect rescuer**
- 4 strong height adjustable support wheels 360° swivel in front and rear of the flail – replacing the support roller

Options

- Headstock with municipal coupling triangle
- Wear insert in housing (factory mounted)
- **2ème contre-lame démontable de forme « aileron de requin » - Brevet Müthing**

Technical Data

Model	Working width	Overall width	max. Tractor-HP 2,200 rpm	Weight	Flails
MU-ÖKOTOP 140	140 cm	165 cm	40 HP	236 kg	24 pieces
MU-ÖKOTOP 160	160 cm	185 cm	40 HP	283 kg	28 pieces

MU-ÖKOTOP landscaping mower

for front mowers from 20 to 40 HP



Order number	Model	Retail price
	* PTO rotation to the right (-1), or to the left (-2) – driving direction	
MU-FM140-31-1 -2	MU-ÖKOTOP 140 front mulcher with 1x mounting parts	8.595,00 €
MU-FM160-31-1 -2	MU-ÖKOTOP 160 front mulcher with 1x mounting parts	9.045,00 €
	Mounting parts for large mower	
MU-FMZ060	Mounting parts for KUBOTA F2560, F3060, F3560 Clockwise rotation direction, PTO shaft profile 1" Z10	
MU-FMZ065	Mounting parts for KUBOTA Series 2021 type F-251, F-391 Series 2014 type F2890, F3090, F3890 Series 2006 type 2880, F3680 F2560, F3060, F3560 driving direction right, P.T.O. profile 1" Z10	
MU-FMZ061	Mounting parts for JOHN-DEERE F 1435, 1445, 1545, 1565 Series 2014 Model 1550, 1570, 1575, 1580, 1585 Anti-clockwise rotation direction, PTO shaft profile 1" Z15	
MU-FMZ064	Mounting parts for JOHN-DEERE F 935, F 1145 Anti-clockwise rotation direction, PTO shaft profile 1" Z15	
MU-FMZ062	Mounting parts for ISEKI – SF 300, 303, 310, 330, 333, 370 driving direction left, P.T.O. profile 1 3/8" Z6	
MU-FMZ062 ISEKI SF2	Mounting parts for ISEKI – SF 224, 235, 438, 450, 544 (Stage V), 551 (Stage V), driving direction left, P.T.O. profile 1" Z15	625,00 €
MU-FMZ063	Mounting parts for SHIBAURA CM 284, 314, 364, 374 Clockwise rotation direction, PTO shaft profile 1" Z15	
MU-FMZ066	Mounting parts for GRILLO FD 13.09, FD 2200, FD 2200 TS driving direction left, PTO shaft profile 1" Z14	770,00 €
	Different mounting parts – to be asked for	
MU-FMZ009	Forward-mounted insect rescuer „BEEHAPPY“ - also retrofittable	standard
	Options	
MU-FMZ067	Implement triangle for TORO GM 360 with Quick-Attached-System, left side 1"Z15 – additional charge –	1.205,00 €
MU-FMZ016	Headstock with municipal coupling triangle - Additional cost -	330,00 €
MU-FMZ019	Headstock with coupling triangle, Cat. 1 N – Additional cost - (see page 125 for dimensions)	355,00 €
MU-FMZ046	Second screw-type short chopping bar system with „shark fin“ design – a Müthing patent	135,00 €
MU-FMZ045	Wear insert in housing (fitted)	390,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

*** Please note:**

For Front mounting please state on a copy of the data sheet on page 124 the driving direction of the Front P.T.O. (seen from behind to left or right rotation) as well as the R.P.M., size and model of the P.T.O. itself (See page 120 and 121 on the P.T.O. overview). When Front mounting please pay attention to the permitted Maximum Tractor Front Axle Load!

Flail Mowers MU-FM

for front mowers from 20 to 40 hp



Details MU-FM page: 21

Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel for front mounting onto professional front mowers with 2 point linkage
- Low-mounted gear box with freewheel for 2200 rpm, clearance from power take-off stub shaft to ground approx. 35 cm
- Belt protection with tension measuring slot
- **Shackle M Carbide flails**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Muthing patent
- Infinitely variable support roller for adjusting working height of mulcher
- Carbide wearing skids, removable
- High tempered spring steel one way protection flaps in front of the mower hood
- **Strong, height adjustable support wheels, 360° swivel in front of the flail** (Ø ca. 235 mm height and ca 80 mm wide) as shown above
- **PTO shaft with hardened inner tube and cap bottom lubrication**

Options

- Headstock with municipal coupling triangle
- Wear insert in housing (factory mounted)
- **Forward-mounted "BEEHAPPY" insect rescuer**
- **Second screw-type short chopping bar system "Shark fin" design – a Muthing patent**
- 4 strong height adjustable support wheels 360° swivel in front and rear of the flail – replacing the support roller

Technical Data

Model	Working width	Overall width	max. Tractor-HP 2,200 rpm	Weight	Flails
MU-FM 120	120 cm	145 cm	40 HP	206 kg	20 pieces
MU-FM 140	140 cm	165 cm	40 HP	229 kg	24 pieces
MU-FM 160	160 cm	185 cm	40 HP	252 kg	28 pieces

*** Please note:**

For Front mounting please state on a copy of the data sheet on page 124 the driving direction of the Front P.T.O. (seen from behind to left or right rotation) as well as the R.P.M., size and model of the P.T.O. itself (See page 120 and 121 on the P.T.O. overview). When Front mounting please pay attention to the permitted Maximum Tractor Front Axle Load!

Flail Mowers MU-FM

for front mowers from 20 to 40 hp



Order number	Model	Retail price
	* PTO rotation to the right (-1), or to the left (-2) – driving direction	
MU-FM120-31-1 -2	MU-FM 120 front mulcher <i>with</i> 1x mounting parts	5.975,00 €
MU-FM140-31-1 -2	MU-FM 140 front mulcher <i>with</i> 1x mounting parts	6.260,00 €
MU-FM160-31-1 -2	MU-FM 160 front mulcher <i>with</i> 1x mounting parts	6.720,00 €
	Mounting parts for large mower	
MU-FMZ060	Mounting parts for KUBOTA F2560, F3060, F3560 Clockwise rotation direction, PTO shaft profile 1" Z10	
MU-FMZ065	Mounting parts for KUBOTA Series 2021 type F-251, F-391 Series 2014 type F2890, F3090, F3890 Series 2006 type 2880, F3680 F2560, F3060, F3560 driving direction right, P.T.O. profile 1" Z10	
MU-FMZ061	Mounting parts for JOHN-DEERE F 1435, 1445, 1545, 1565 Series 2014 Model 1550, 1570, 1575, 1580, 1585 Anti-clockwise rotation direction, PTO shaft profile 1" Z15	
MU-FMZ064	Mounting parts for JOHN-DEERE F 1145 driving direction left, P.T.O. profile 1" Z15	
MU-FMZ062	Mounting parts for ISEKI – SF 300, 303, 310, 330, 333, 370 driving direction left, P.T.O. profile 1 3/8" Z6	
MU-FMZ062 ISEKI SF2	Mounting parts for ISEKI – SF 224, 235, 438, 450, 544 (Stage V), 551 (Stage V), driving direction left, P.T.O. profile 1" Z15	625,00 €
MU-FMZ063	Mounting parts for SHIBAURA CM 284, 314, 364, 374 Clockwise rotation direction, PTO shaft profile 1" Z15	
MU-FMZ066	Mounting parts for GRILLO FD 13.09, FD 2200, FD 2200 TS driving direction left, PTO shaft profile 1" Z14 <i>Different mounting parts – to be asked for</i>	770,00 €
	Options	
MU-FMZ067	Implement triangle for TORO GM 360 with Quick-Attached-System, left side 1"Z15 – additional charge –	1.205,00 €
MU-FMZ016	Headstock with municipal coupling triangle - Additional cost -	330,00 €
MU-FMZ019	Headstock with coupling triangle, Cat. 1 N – Additional cost - (see page 125 for dimensions)	355,00 €
MU-FMZ046	Second screw-type short chopping bar system with „shark fin“ design – a Müthing patent	135,00 €
MU-FMZ045	Wear insert in housing (fitted)	390,00 €
MU-FMZ039	Vertically adjustable rear support wheels, 360° swivelling, instead of support roller (only MU-FM 140 – 160) – additional charge -	545,00 €
MU-FMZ009	Forward-mounted insect rescuer „BEEHAPPY“ - also retrofittable	1.710,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

Flail Mowers MU-FM Hydro

for front mowers with hydraulic drive from 35 to 70 l/min



Details MU-FM Hydro page: 21

Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel for front mounting for skid steering loaders
- Hydraulic drive for a volume flow from 35-70 l/min, with over run valve
- Hydraulic spool valves required: 1 x pressure flow, 1 x pressure less return flow (max. counter-pressure < 20 bar)
- Belt protection with tension measuring slot
- **Shackle M Carbide flails**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Infinitely variable support roller for adjusting working height of mulcher
- Carbide wearing skids, removable
- High tempered spring steel one way protection flaps in front of the mower hood
- **Hydraulic hoses without couplings**
- **Strong, height adjustable support wheels, 360° swivel in front of the flail** (Ø ca. 235 mm height and ca 80 mm wide) as shown above

Options

- Headstock with municipal coupling triangle
- Wear insert in housing (factory mounted)
- Mounting plate for Skid Steer Loaders (connection parts to the loader not included)
- Mounting plate for Skid Steer Loaders (connection parts to the loader are included)
- Hydraulic side shift (1 double acting spool valve required)
- **Second screw-type short chopping bar system "Shark fin" design – a Müthing patent**
- **Forward-mounted "BEEHAPPY" insect rescuer**

Technical Data

Model	Working width	Overall width	Oil quantity	Weight	Flails
MU-FM Hydro 120	120 cm	145 cm	35 - 70 Ltr, / min,	201 kg	20 pieces
MU-FM Hydro 140	140 cm	165 cm	45 - 70 Ltr, / min,	217 kg	24 pieces
MU-FM Hydro 160	160 cm	185 cm	45 - 70 Ltr, / min,	232 kg	28 pieces

Flail Mowers MU-FM Hydro

for front mowers with hydraulic drive from 35 to 70 l/min



Order number	Model	Retail price
MU-FM Hydro 120	MU-FM Hydro 120	6.350,00 €
MU-FM Hydro 140	MU-FM Hydro 140	6.680,00 €
MU-FM Hydro 160	MU-FM Hydro 160	7.050,00 €

*** Please note:**

MU-FMZHY3540	Designed for hydraulic drive volume flow vehicles 35 – 40 l/min
MU-FMZHY4550	Designed for hydraulic drive volume flow vehicles 45 – 50 l/min
MU-FMZHY5560	Designed for hydraulic drive volume flow vehicles 55 – 60 l/min
MU-FMZHY6570	Designed for hydraulic drive volume flow vehicles 65 – 70 l/min

*** Please note:**

Please state when ordering the volume flow

Please state when ordering the max. engine output by liter, the max. oil pressure and the version of the vehicle, as shown on page 121.

Options

MU-FMZ070-10.1	Adapter plate for yard loaders (linkage parts to loader not included)	1.065,00 €
MU-FMZ070-10.1 AVANT	Adapter plate for yard loader AVANT	1.215,00 €
MU-FMZ070-10.1 EURO3	Adapter plate for yard loader with EURO-3-socket	1.215,00 €
MU-FMZ070.1 SCHÄFFER 336	Adapter plate for yard loader SCHÄFFER with old socket	1.215,00 €
MU-FMZ070.1 SCHÄFFER SWH	Adapter plate for yard loader SCHÄFFER with socket SWH	1.215,00 €
MU-FMZ070.1 WEIDEMANN hydr.	Adapter plate for yard loader WEIDEMANN with hydraulic locking	1.215,00 €
MU-FMZ072	Adapter plate with hydraulic side shift 700 mm to the right, without vehicle-specific attaching parts	2.495,00 €
MU-FMZ072 AVANT	screw on socket for AVANT, only in combination with MU-FMZ072	670,00 €
MU-FMZ072 EURO3	screw on socket for EURO 3, only in combination with MU-FMZ072	670,00 €
MU-FMZ072 SCHÄFFER 336	screw on socket for SCHÄFFER old socket, only in combination with MU-FMZ072	670,00 €
MU-FMZ072 SCHÄFFER SWH	screw on socket for SCHÄFFER SWH, only in combination with MU-FMZ072	670,00 €
MU-FMZ072 WEIDEMANN	screw on socket for WEIDEMANN with hydraulic locking, only in combination with MU-FMZ072	670,00 €
MU-FMZ073 JOHN-DEERE	Mounting parts for JOHN-DEERE 1505 incl. hydraulic hoses with threaded couplings	925,00 €
MU-FMZ080-10 TORO GM3400	Mounting parts for TORO GM 3400 incl. hydraulic hoses without couplings	925,00 €
MU-FMZ017	Headstock with coupling triangle, Cat. 0 (see page 125 for dimensions)	735,00 €
MU-FMZ018	Headstock with coupling triangle, Cat. 1 N (see page 125 for dimensions)	770,00 €
MU-FMZ046	Second screw-type short chopping bar system with „shark fin“ design – a Müthing patent	135,00 €
MU-FMZ045	Wear insert in housing (fitted)	390,00 €
MU-FMZ039	Vertically adjustable rear support wheels, 360° swivelling, instead of support roller (only MU-FM Hydro 140 – 160) – additional charge -	545,00 €
MU-XZ010	Safety valve for operating pressure over 180 bar	520,00 €
MU-FMZ009	Forward-mounted insect rescuer „BEEHAPPY“ - also retrofittable	1.710,00 €

Prior freight component

at cost

Packaging / palletisation

70,00 €

Freight costs for supplemental delivery of accessories

at cost

Initial induction

on request

*** Please note:**

*Always observe the front axle load capacities!
Depending on the vehicle and equipment, rear ballast may be required!*

Flail Mower details

MU-COLLECT Vario



Flail Mower details

MU-COLLECT Vario



Mechanical drive optimized for vehicle



Cat. 0 coupling triangle



Cat. 1 coupling triangle



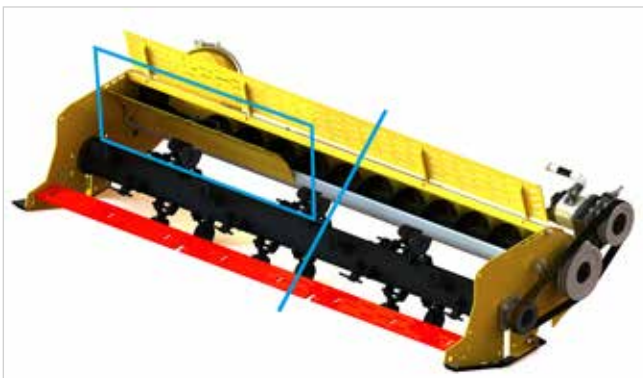
Mounting console for support arms



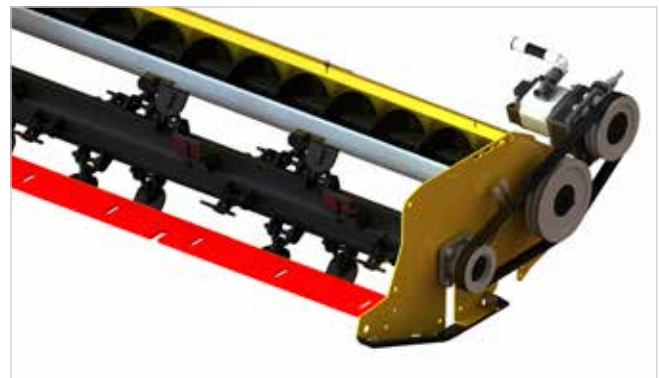
Vehicle-specific discharge centrally or to the right on the MU-COLLECT 160 Vario (in direction of travel).



- MU-Vario® for an optimised intake and housing form and infinitely variable shredding rates, ensuring ideal mulch quality and shredding performance.
- Hardox wear runners, screw-type



The discharge plate is used to switch from the collecting to the mulching function.



- The rotor and collecting auger are connected by a belt drive, which reliably prevents false operation.
- Also available as hydraulic drive.

Flail Mowers MU-COLLECT Vario

Front mulcher with collecting function

For carrier vehicles and compact tractors from 20 to 40 hp



Müthing

Vario



Details MU-COLLECT page: 32 - 33

Standard Equipment

- Made of High Quality fine-grain QSt/E steel for front mounting with optimized housing contour for maximum efficiency during both collecting and mulching.
- Central low-mounted gear box with freewheel for 2000 rpm input speed
- Central discharge, nominal dia. 220 mm
- A shared V-belt drive for the rotor and collecting auger prevents operating errors and provides reliable overload protection
- V-belt protection with inspection opening for belt tension and fast reversing of auger
- Carbide M-shackle flail
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Wear insert in housing (factory mounted)
- Insertable crop flow flap for mulching without collecting
- Collecting auger with blockage protection for full delivery hose
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- Hardox wear runners, screw-type
- Highly tempered spring steel flaps with swing protection
- **PTO shaft with hardened inner tube and cap bottom lubrication**
- **Strong, height adjustable support wheels, 360° swivel in front of the flail** (Ø ca. 235 mm height and ca 80 mm wide) as shown above

Options

- Two-point mount for support arms of carrier vehicles
- Quick-coupling triangle, Cat. 0
- Quick-coupling triangle, Cat. 1N
- Discharge to the right, nominal dia. 200 mm (only on MU-COLLECT 160 Vario)
- M-scoop blade for fine cutting (CE mark only)
- Vertical meter (only CE marking)
With additional holding slabs for the support roller and safety bar
- Short cutting angle for an optimal work result on demanding areas
- MU-SOFA® weight transfer system, recommended for front-mounted equipment
- **Forward-mounted "BEEHAPPY" insect rescuer**
- Operating hours counter

Flail Mowers MU-COLLECT Vario



Front mulcher with collecting function

For carrier vehicles and compact tractors from 20 to 40 hp

Order number	Model	Retail price
MU-CC 140-10	MU-COLLECT 140 Vario	9.490,00 €
MU-CC 160-10	MU-COLLECT 160 Vario	9.850,00 €
Options		
MU-CCZ016	Quick-coupling triangle, Cat. 0	655,00 €
MU-CCZ015.1	Quick-coupling triangle, Cat. 1N	880,00 €
MU-CCZ063	Two-point mount for support arms	500,00 €
MU-CCZ062	Support arms for ISEKI SF 225, 235, 237, 438, 450, 544, 551 incl. PTO shaft 1" Z15	1.065,00 €
MU-CCZ066	Support arms for GRILLO FD 2200, incl. PTO shaft 25 x 22 Z14	1.065,00 €
MU-CCZ080-220	Central discharge, nominal dia. 220 mm for ISEKI SF2, SF4, SF5	standard
MU-CCZ080-200	Central discharge, nominal dia. 200 mm for GRILLO	selectable
MU-CCZ081	Discharge to the right, nominal dia. 200 mm (only MU-COLLECT 160 Vario)	selectable
MU-CCZ025	Gear box offset to side for discharge to centre	standard
MU-CCZ026	Gear box offset to side for discharge to right	selectable
MU-CCZ030-140	Short-cut angle for MU-C Collect 140	300,00 €
MU-CCZ030-160	Short-cut angle for MU-C Collect 160	300,00 €
MU-CZ055	M-scoop blade for fine cutting (CE mark only)	180,00 €
MU-CCZ050-140	Scarifying blade for MU-C Collect 140 (CE mark only) with additional retainer plates for support roller and safety bar	520,00 €
MU-CCZ050-160	Scarifying blade for MU-C Collect 160 (CE mark only) with additional retainer plates for support roller and safety bar	520,00 €
MU-SOFA	MU-SOFA® weight transfer system, recommended for front-mounted machines. See page 13.	1.120,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
MU-FMZ009	Forward-mounted insect rescuer „BEEHAPPY“ - also retrofittable	1.710,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

*** Please note:**

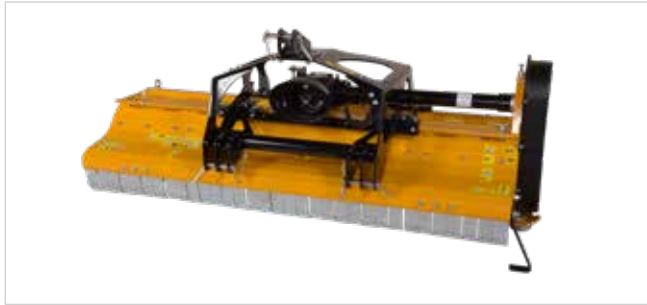
Please indicate the necessary suction hose length when ordering!

Technical Data

Model	Working width	Overall width	max. Tractor-HP 1,000 / 2,000 rpm	Weight	Flails
MU-COLLECT 140	140 cm	162 cm	40 HP	223 kg	24 pieces
MU-COLLECT 160	160 cm	182 cm	40 HP	244 kg	28 pieces

Flail Mower details

MU-E Vario



Variant A: (Front or rear mounting Cat. 1)

- Gear box with integrated freewheel and through-drive, mounted centrally on top of housing for 540 rpm, can be converted to 1,000 rpm
- Adjustable 3-point linkage Cat. 1
- With mechanical side shift:
MU-E 120 - 140 Vario: 20 cm;
MU-E 160 - 200 Vario: 25 cm

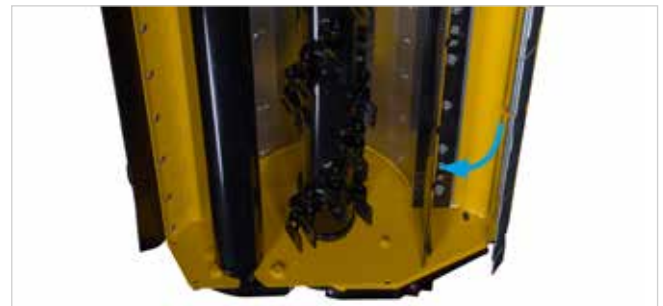


Variant B: (Front mounting with municipal quick-coupling mounting triangle)

- Low-mounted gear box with freewheel for 1,000 rpm, can be converted to 2,000 rpm
- 3-point trestle with quick-coupling triangle, Cat. 0 (front mounting only), adjustable



Infinitely variable support roller for height adjustment of mulcher



- Swivelling short-cut flap
- **Carbide M shackle flails**
- Smooth-running rotor with specially formed blade holders arranged in a spiral pattern



Müthing
Vario

Adjustable Vario cutting bar for adjusting the shredding rate

Flail Mower details

MU-E Vario



Side skids



HDPE V-belt protective cover with inspection opening



With mechanical side shift:
MU-E 120 - 140 Vario: 20 cm;
MU-E 160 - 200 Vario: 25 cm



Hydraulic side shift (1 x DA)



Sturdy, large and vertically adjustable support wheels, 360° swivelling (dia. approx. 235 mm and approx. 80 mm wide)



Warning signs with lighting equipment and lighting equipment support (fitted)



- Hydraulic drive for flow rates of 50 - 90 l/min, with integrated freewheel
- Required hydraulic connections:
1 x SA, 1x unpressurised return line,
max. back pressure < 20 bar

Flail Mowers MU-E Vario

Front and / or Rear mounting

for compact tractors and carrier vehicles from 25 to 60 hp



Details MU-E page: 36 - 37

Standard Equipment

→ **Version A: (Front or Rear mounting Cat. 1)**

- Specially designed 3-point linkage Cat. 1
- With mechanical side shift; MU-E 120 - 140 Vario: 20cm; MU-E 160 - 200 Vario: 25 cm
- Gear box with integrated freewheel and through-drive – mounted centrally on top of housing for 540 rpm, can be converted to 1,000 rpm, gear box height: 57 cm

→ **Version B: (Front mounting for A-frame triangle Cat. 0)**

- Low-mounted gear box with freewheel for 1,000 rpm, can be converted to 2000 rpm, gear box height: 39 cm
- 3-point trestle with municipal quick-coupling triangle (front mounting only) , adjustable

- Manufactured from High Quality fine-grain QSt/E Steel
- HDPE Belt protection with tension measuring slot
- **Carbide M-shackle flail**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Infinitely variable support roller for adjusting working height of mulcher
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Hardox wear runners, screw-type
- High tempered spring steel one way protection flaps in front
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- **Carbide wearing skids, removable**
- **PTO shaft with hardened inner pipe and cap bottom lubrication**

Options

- Shiftable 3-point linkage Cat. 1 for version B (replacing headstock for A-frame triangle Cat. 0)
- Hydraulic side shift (1 double acting spool valve required)
- MU-SOFA® weight transfer system, recommended for front-mounted implements, optionally installed on mulcher
- Short-cut flap for optimal work results on demanding surfaces
- Second patented removable shredding bar – System: "Shark fin"
- Wear insert in housing (factory mounted)
- Strong, height adjustable support wheels 360° swivel in front of the flail (Ø ca. 235 mm height and ca 80 mm wide) - as shown above
- **Forward-mounted insect rescuer "BEEHAPPY", only in conjunction with height-adjustable support wheels**
- Warning signs with LED lighting equipment with turn signal failure indicator and lighting equipment support incl. 5 m cable (fitted)

Model	Working width	Overall width	max. Tractor-HP 540 / 1,000 rpm	Weight	Flails
MU-E 120	120 cm	135 cm	50 / 60 HP	280 kg	20 pieces
MU-E 140	140 cm	155 cm	50 / 60 HP	300 kg	24 pieces
MU-E 160	160 cm	175 cm	50 / 60 HP	330 kg	28 pieces
MU-E 180	180 cm	195 cm	50 / 60 HP	360 kg	32 pieces
MU-E 200	200 cm	215 cm	50 / 60 HP	390 kg	36 pieces

Flail Mowers MU-E Vario

Front and / or Rear mounting

for compact tractors and carrier vehicles from 25 to 60 hp



Order number	Model	Retail price
Version A:		
<i>front or rear mounting cat. 1 (height of gear box 55 cm)</i>		
MU-E120-31.1	MU-E 120 Vario with front/rear 3-point trestle, Cat. 1	5.465,00 €
MU-E140-31.1	MU-E 140 Vario with front/rear 3-point trestle, Cat. 1	5.670,00 €
MU-E160-31.1	MU-E 160 Vario with front/rear 3-point trestle, Cat. 1	5.875,00 €
MU-E180-31.1	MU-E 180 Vario with front/rear 3-point trestle, Cat. 1	6.085,00 €
MU-E200-31.1	MU-E 200 Vario with front/rear 3-point trestle, Cat. 1	6.220,00 €
Version B:		
<i>front mounting cat. 0</i>		
* PTO rotation to the right (-1), or to the left (-2) – driving direction		
MU-E140.1-31-1 -2	MU-E Vario 140 front mounting, Cat. 0	5.875,00 €
MU-E160.1-31-1 -2	MU-E Vario 160 front mounting, Cat. 0	6.010,00 €
MU-E180.1-31-1 -2	MU-E Vario 180 front mounting, Cat. 0	6.200,00 €
Options		
MU-EZ069	Coupling rod for Deutz Agrokid, only in combination with MU-EZ014.1	110,00 €
MU-EZ014.1	Adjustable front three-point linkage, Cat. 1, for variant B (instead of mounting with quick-coupling triangle, Cat. 0) – Additional cost -	220,00 €
MU-EZ015.1	Coupling triangle, Cat. 1 N, for variant B – Additional cost (see page 125 for dimensions)	240,00 €
MU-EZ003.1	Hydraulic side shift (MU-E 160 – 200 Vario) only for variant A (26 cm stroke)	475,00 €
MU-EZ003.1 FRONT	Hydraulic side shift (MU-E 140 – 180 Vario) only for variant B (15 cm stroke)	475,00 €
MU-EZ020	Modification of rpm / rotation direction	250,00 €
MU-EZ043	Swiveling short-cut flap	505,00 €
MU-EZ046	Second patented removable shredding bar system: "Shark fin"	135,00 €
MU-EZ041.1	Wear insert in housing (fitted)	500,00 €
MU-EZ031.1	Vertically adjustable support wheels, 360° swivelling	975,00 €
MU-EZ039	Vertically adjustable rear support wheels, 360° swivelling, instead of support roller (only MU-E 140 – 200) – additional charge -	550,00 €
MU-FMZ009	Forward-mounted insect rescuer „BEEHAPPY“ - also retrofittable, only in conjunction with height-adjustable support wheels	1.710,00 €
MU-SOFA	MU-SOFA® weight transfer system, recommended for front-mounted machines. See page 13.	1.120,00 €
MU-XZ020	Assembly of MU-SOFA on mulcher (surcharge)	375,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

*** Please note:**

For Front mounting please state on a copy of the data sheet on page 124 the driving direction of the Front P.T.O. (seen from behind to left or right rotation) as well as the R.P.M., size and model of the P.T.O. itself (See page 120 and 121 on the P.T.O. overview). When Front mounting please pay attention to the permitted Maximum Tractor Front Axle Load!

Flail Mower details

MU-E Hydro Vario



Virtual pulling point - A Müthing patent:
Instead of being pushed, the mulcher is pulled with low rolling resistance and thus follows every ground contour perfectly.

Clever following when cornering as the machine follows the steering radius

Flail Mower details

MU-E Hydro Vario

Adapter plates to MU-CONNECT 200 (examples)

Technical drawings can be found on page 122



Adapter plate for pallet fork



Adapter plate for loader with Euro-3 mount



Adapter plate for SCHÄFFER loader with SWH mount



Adapter plate for SCHÄFFER loader with KR mount



Adapter plate for WEIDEMANN loader with hydraulic locking



Adapter plate for KRAMER loader



Adapter plate for Cat. 0 coupling triangle



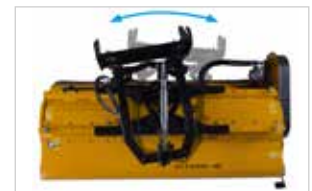
Adapter plate for LIEBHERR loader, CLAAS Torion (Zettelmeyer 602), KUBOTA



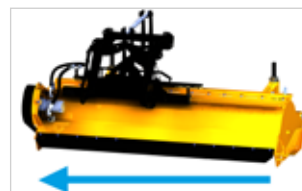
Adapter plate for MULTIONE, AVANT



Vehicle-specific mounting parts:
The low coupling point ensures good overall visibility due to the low linkage position.
Good accessibility to the hydraulic connections.



On uneven surfaces, ample swinging and steering movements ensure optimal ground following.



Hydraulic side shift with 26 cm adjustment travel.
Mulching at an offset to the side of the tractor provides flexibility for trees, access zones or other obstacles (optional).
Mechanical side shift is equipped as standard.

Flail Mowers MU-E Hydro Vario

for front mowers with hydraulic drive from 50 to 90 l/min



Details MU-E Hydro page: 40 - 41



Flail Mowers MU-E Hydro Vario

for front mowers with hydraulic drive from 50 to 90 l/min

Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel for front mounting
- Front mounting without Headstock
- Hydraulic drive for volume flow (min 50 - 90 l oil flow, with integrated over run clutch)
- Hydraulic spool valves required: 1 x pressure flow; 1 x pressure less flow (max. counter-pressure < 20 bar)
- HDPE Belt protection with tension measuring slot
- **Carbide M-shackle flail**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Infinitely variable support roller for adjusting working height of mulcher
- Highly tempered spring steel flaps with swing protection
- **Carbide wearing skids, removable**
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- **Hydraulic hoses without couplings**

Options

- Headstock Cat. 1
- **MU-CONNECT 200 basic element without vehicle-specific attaching parts - Müthing patent**
- Mount for municipal coupling triangle
- **Hydraulic side shift (1 double acting spool valve required)**
- Short-cut flap for optimal work results on demanding surfaces
- Wear insert in housing (factory mounted)
- Second patented removable shredding bar – System: "Shark fin"
- Safety valve for operating pressure over 180 bar
- MU-SOFA® weight transfer system, recommended for front-mounted machines

Technical Data

Model	Working width	Overall width	Oil quantity	Weight	Flails
MU-E Hydro 140	140 cm	155 cm	50 - 90 Ltr, / min,	280 kg	24 pieces
MU-E Hydro 160	160 cm	175 cm	50 - 90 Ltr, / min,	310 kg	28 pieces
MU-E Hydro 180	180 cm	195 cm	50 - 90 Ltr, / min,	340 kg	32 pieces
MU-E Hydro 200	200 cm	215 cm	50 - 90 Ltr, / min,	370 kg	36 pieces

Flail Mowers MU-E Hydro Vario

for front mowers with hydraulic drive from 50 to 90 l/min

Order number	Model	Retail price
MU-E Hydro 140-31.1	MU-E Hydro 140 Vario without 3-point trestle , only for carrier vehicles	6.225,00 €
MU-E Hydro 160-31.1	MU-E Hydro 160 Vario without 3-point linkage *	6.455,00 €
MU-E Hydro 180-31.1	MU-E Hydro 180 Vario without 3-point linkage *	6.650,00 €
MU-E Hydro 200-31.1	MU-E Hydro 200 Vario without 3-point linkage *	6.785,00 €

*** Please note:**

MU-EZHY5055	Designed for hydraulic drive volume flow vehicles 50 – 55 l/min
MU-EZHY6070	Designed for hydraulic drive volume flow vehicles 60 – 70 l/min
MU-EZHY75	Designed for hydraulic drive volume flow vehicles 75 l/min
MU-EZHY80	Designed for hydraulic drive volume flow vehicles 80 l/min
MU-EZHY90	Designed for hydraulic drive volume flow vehicles 90 l/min

*** Please note:**

Please state when ordering the volume flow

Please state when ordering the max. engine output by liter, the max. oil pressure and the version of the vehicle, as shown on page 125.

Attachments

MU-EZ010	Headstock cat. I	785,00 €
MU-EZ016	A frame cat. 0	785,00 €
MU-EZ070.1	MU-CONNECT 200 basic element without vehicle-specific attaching parts	1.655,00 €

The following adapter plates only combined with MU-EZ070.1:

MU-EZ070.1 UNIVERSAL	Universal adapter plate, unpainted, 900 x 400 mm	690,00 €
MU-EZ070.1 PALETTE	Adapter plate for pallet fork	650,00 €
MU-EZ070.1 EURO3	Adapter plate for loader with EURO-3 mount	455,00 €
MU-EZ070.1 SCHÄFFER SWH	Adapter plate for SCHÄFFER loader with SWH mount	455,00 €
MU-EZ070.1 SCHÄFFER KR	Adapter plate for SCHÄFFER loader with KR mount	455,00 €
MU-EZ070.1 WEIDEMANN	Adapter plate for WEIDEMANN loader with hydraulic locking	455,00 €
MU-EZ070.1 KRAMER	Adapter plate for KRAMER loader	455,00 €
MU-EZ070.1 KRAMER schmal	Adapter plate for KRAMER loader, narrow, hook spacing 355 mm	455,00 €
MU-EZ070.1 KAT 0	Adapter plate for Cat. 0 coupling triangle	455,00 €
MU-EZ070.1 CLAAS	Adapter plate for LIEBHERR, CLAAS Torion, KUBOTA loaders	455,00 €
MU-EZ070.1 MANITOU	Adapter plate for MANITOU loaders	585,00 €
MU-EZ070.1 MULTIONE	Adapter plate for MULTIONE, AVANT, CAST loaders	455,00 €
MU-EZ070.1 LADOG	Adapter plate for LADOG with additional hydraulic lift, incl. hydraulic system for 280 bar	2.230,00 €
MU-EZ070.1 FUMO	Adapter plate for MULTICAR FUMO and M27 with additional hydraulic lift	895,00 €
MU-EZ070.1 TREMO	Adapter plate for MULTICAR TREMO and M29 with additional hydraulic lift	895,00 €
MU-EZ070.1 HANSA	Adapter plate for HANSA carrier vehicle with additional hydraulic lift	895,00 €
MU-EZ070.1 HOLDER	Adapter plate for HOLDER MUVO with additional hydraulic lift	895,00 €

Technical drawings of adapter plates for MU-Connect can be found on pages 122 - 123

Flail Mowers MU-E Hydro Vario

for front mowers with hydraulic drive from 50 to 90 l/min



Order number	Model	Retail price
	Options	
MU-EZ003.1	Hydraulic side shift (MU-E 160 – 200 Vario) only for variant A (26 cm stroke) (For Connect with Euro 3 only available from 180)	475,00 €
MU-EZ003.1 FRONT	Hydraulic side shift for MU-E 140 Vario (15 cm stroke, not compatible with MU-Connect)	475,00 €
MU-EZ043	Swiveling short-cut flap	505,00 €
MU-EZ046	Second patented removable shredding bar system: "Shark fin"	135,00 €
MU-EZ041.1	Wear insert in housing (fitted)	500,00 €
MU-XZ010	Safety valve for operating pressure over 180 bar	520,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

*** Please note:**

*Always observe the front axle load capacities!
Depending on the vehicle and equipment, **rear ballast** may be required!
The specified output per litre must be available constantly to the mulcher.*

Flail Mower details

MU-E/F Trail Vario



Flail Mower details

MU-E/F Trail Vario



Efficient powertrain, compact design for high driving power. The centre gear box is equipped with integrated shut-off clutches on the right and left (optional)



For simple operation, the folding and headland cylinders are designed separately.



The trailed suspension of the two side mulchers enables smooth ground following with a uniform cutting height.



Tidy: The on-board hydraulics with the MU-SOFA® weight transfer system



Small transport dimensions and a chassis design with wide tyres guarantee a smooth ride that protects the soil.



Vehicle-specific height adjustment of drawbar. There is a choice of a D40 towing eye, D50 towing eye and K80 towing ball.



The mechanical collision protection device swivels the mulcher out of the collision zone effectively in the event of a problem.

Müthing

Large-area mulcher

For compact tractors and tractors from 60 to 180 hp



Müthing

Vario



Details MU-E/F Trail page: 46 - 47

Standard Equipment

- Made of High Quality fine-grain QSt/E steel
- Gear box for 180 hp with 1,000 rpm input speed, freewheels in side drives
- Gear box with integrated freewheel for 1,000 rpm input speed at rear-mounted implement
- Drawbar connection with D40 towing eye
- HDPE V-belt protective cover with inspection opening
- Carbide M-shackle flail
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Infinitely variable support roller for adjusting working height of individual mulchers
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Highly tempered spring steel flaps with swing protection
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- **Wear insert in housing (factory mounted)**
- **Carbide wearing skids, removable**
- Weight transfer system
- Chassis for 25 km/h, with mudguards and large tyres for low ground pressure
- Left and right mechanical collision protection device
- MU-SOFA® weight transfer system
- Hydraulically folding, 2 SA and 1 DA valves are required
- Warning signs with LED lighting equipment (fitted)

Options

- Drawbar connection with K80 or D50
- 2-line air brake system with chassis for 40 km/h
- hydraulic side shift for rear implement in solo usage
- Conversion to 540 rpm, recommended up to driving powers of 130 HP
- Short-cut flap for optimal work results on demanding surfaces
- Second screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Operating hours counter

MU-E/F Trail Vario mulcher



Large-area mulcher

For compact tractors and tractors from 60 to 180 hp

Order number	Model	Retail price
MU-EF360-91.1-Trail	MU-E/F Trail 360 Vario	42.595,00 €
MU-EF460-91.1-Trail	MU-E/F Trail 460 Vario	43.685,00 €
MU-EF560-91.1-Trail	MU-E/F Trail 560 Vario	44.775,00 €
Options		
MU-EFZ012	Towing eye D40	standard
MU-EFZ010	Towing eye D50	80,00 €
MU-EFZ011	Towing ball K80	225,00 €
MU-EFZ009	2-line air brake system with chassis for 40 km/h	3.820,00 €
MU-EFZ020	Conversion to 540 rpm input speed, recommended up to driving powers of 130 HP	630,00 €
MU-EZ055	M-scoop blade for fine cutting surfaces	510,00 €
MU-EZ043	Swivelling short-cut flap for optimal work results on demanding surfaces	1.510,00 €
MU-EZ046	Second screw-type short chopping bar system „Shark fin“ design - a Müthing patent	395,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
	Technical Inspection Association acceptance for 40 km/h approval – net Only in combination with MU-EFZ009 (2-line air brake system with chassis for 40 km/h)	670,00 €
	Prior freight component	at cost
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

Technical Data

Model	Working width	Overall width	max. Tractor-HP 540 / 1,000 rpm	Weight drawn	Flails	Transport width
MU-E/F Trail 360	360 cm	210 cm	130 / 180 HP	1,950 kg	68	460 cm
MU-E/F Trail 460	460 cm	230 cm	130 / 180 HP	2,150 kg	88	460 cm
MU-E/F Trail 560	560 cm	240 cm	130 / 180 HP	2,350 kg	108	460 cm

Flail Mowers MU-ECOTOP

Rear mounting

for tractors from 30 to 75 hp



Standard Equipment

- With headstock Cat. 1 + 2 for rear mounting
- Can be offset by 30 cm in 2 positions
- Gear box with freewheel and through-drive for **540 rpm**
- Belt protection with tension measuring slot
- Support leg
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Support roller for adjusting height of mulcher
- Side, wearing skids
- Highly tempered spring steel flaps with swing protection
- **PTO shaft with hardened inner tube and cap bottom lubrication**

Technical Data

Model	Working width	Overall width	max. Tractor-HP 540 / 1,000 rpm	Weight	Flails
MU-ECOTOP 160	160 cm	177 cm	60 / 75 HP	352 kg	14 pieces
MU-ECOTOP 180	180 cm	197 cm	60 / 75 HP	372 kg	16 pieces
MU-ECOTOP 200	200 cm	217 cm	60 / 75 HP	390 kg	16 pieces

Flail Mowers MU-ECOTOP

Rear mounting

for tractors from 30 to 75 hp



Order number	Model	Retail price
MU-ECOTOP160-31	MU-ECOTOP 160 with adjustable 3-point trestle	4.845,00 €
MU-ECOTOP180-31	MU-ECOTOP 180 with adjustable 3-point trestle	4.960,00 €
MU-ECOTOP200-31	MU-ECOTOP 200 with adjustable 3-point trestle	5.080,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

Flail Mower details

MU-H Vario



Special 3-point linkage Cat. 1 for carrier vehicles (e.g.: Aebi, Reform)



Front or rear three-point linkage Cat. 1 + 2 (laterally adjustable)



- Hydr. side shift (1 x DA required)
MU-H 140 - 150 Vario: 40 cm lift;
MU-H 160 - 220 Vario: 56 cm lift
- Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted



Dust protection for front mounting with MU-H 180 - 220 Vario



Hydraulically folding "Beehappy" insect rescuer for MU-H



Operating hours counter with sensor, time recording using rotation pulse



Improved steering capability and traction with front mounting thanks to the front shock-absorbing spring assembly (optional)



Gear box with twin freewheels enables use on tractors with different PTO shaft rotation directions (optional)

Flail Mower details

MU-L Vario



Front/rear 3-point linkage Cat. 1 + 2 (laterally adjustable), support leg - as pictured



Hydraulic side shift (1 x DA required)
MU-L 180 - 280 Vario: 56 cm lift



Scraper bar for offset support roller incl. extended side plates for support roller



Wear insert in housing (fitted)



Robust Starinth® rear roller bearing system (see page 12)

Flail Mowers MU-H Vario

Front and / or Rear mounting
for tractors from 35 to 90 hp



Details MU-H page: 52

Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel with multi position headstock Cat. 1 + 2 for front or rear mounting
- Mechanical side shift: MU-H 140-150 Vario: 40 cm; MU-H 160-220 Vario: 56 cm (see photo)
- Gear box with freewheel and through-drive for **540 rpm**, can be converted to 1000 rpm
- Belt protection with tension measuring slot
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Support roller for adjusting height of mulcher
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- **Carbide wearing skids, removable**
- Highly tempered spring steel flaps with swing protection
- **PTO shaft with hardened inner tube and cap bottom lubrication**

Options

- Special three-point linkage, Cat. 1, for carrier vehicles (e.g.: Aebi, Reform) ,
- Front/rear three-point linkage Cat. 1 + 2 (laterally adjustable), supporting leg
- Front shock-absorbing spring assembly **required** for front mounting
- Alternatively we recommend the MU-SOFA® weight transfer system
- Hydr. side shift (1 x DA required)
MU-H 140 - 150 Vario: 40 cm stroke; MU-H 160 - 220 Vario: 56 cm stroke
- M-shackle flail (CE marking only on MU-H 220)
- Wear insert in housing (factory mounted)
- Second patented removable shredding bar – System: "Shark fin"
- Dust protection for front mounting with MU-H 180 - 220 Vario
- Warning signs with LED lighting equipment with turn signal failure indicator and lighting equipment support incl. 5 m cable (fitted)
- Operating hours counter with sensor, time recording using rotation pulse
- **Forward-mounted "BEEHAPPY" insect rescuer for MU-H 160 - 220 Vario**

Technical Data

Model	Working width	Overall width	max. Tractor-HP 540 / 1,000 rpm	Weight	Flails
MU-H 120	120 cm	137 cm	75 / 90 HP	380 kg	10 pieces
MU-H 140	140 cm	157 cm	75 / 90 HP	465 kg	12 pieces
MU-H 150	150 cm	167 cm	75 / 90 HP	480 kg	12 pieces
MU-H 160	160 cm	177 cm	75 / 90 HP	500 kg	14 pieces
MU-H 180	180 cm	197 cm	75 / 90 HP	535 kg	16 pieces
MU-H 200	200 cm	217 cm	75 / 90 HP	555 kg	16 pieces
MU-H 220	220 cm	237 cm	75 / 90 HP	635 kg	18 pieces

Flail Mowers MU-H Vario

Front and / or Rear mounting

for tractors from 35 to 90 hp



Order number	Model	Retail price
MU-H120-31.2	MU-H 120 Vario with – fixed – 3-point trestle	5.285,00 €
MU-H140-31.2	MU-H 140 Vario with adjustable 3-point trestle	5.815,00 €
MU-H150-31.2	MU-H 150 Vario with adjustable 3-point trestle	5.915,00 €
MU-H160-31.2	MU-H 160 Vario with adjustable 3-point trestle	6.070,00 €
MU-H180-31.2	MU-H 180 Vario with adjustable 3-point trestle	6.255,00 €
MU-H180-31.2-MITTIG	MU-H 180 Vario centrally mounted with adjustable 3-point trestle	6.505,00 €
MU-H200-31.2	MU-H 200 Vario with adjustable 3-point trestle	6.655,00 €
MU-H200-31.2-MITTIG	MU-H 200 Vario centrally mounted with adjustable 3-point trestle	6.880,00 €
MU-H220-31.2	MU-H 220 Vario with adjustable 3-point trestle	7.350,00 €
MU-H220-31.2-MITTIG	MU-H 220 Vario centrally mounted with adjustable 3-point trestle	7.595,00 €
Options		
MU-HZ009	Forward-mounted „BEEHAPPY“ insect rescuer for MU-H 160 - 220 Vario hydr. folding, 1 x SA control unit required (not compatible with hydraulic side shift)	3.415,00 €
MU-HZ008	Forward-mounted „BEEHAPPY“ insect rescuer for MU-H 160 - 220 Vario mechanically folding (not compatible with hydraulic side shift)	2.710,00 €
MU-LZ012.1	Adjustable front/rear 3-point trestle (as illustrated) – additional charge	415,00 €
MU-LZ014	Special Cat. 1 3-point trestle, adjustable – additional charge	390,00 €
MU-HZ061	Lower link extension suitable for Cat. 1 + 2	290,00 €
MU-HZ002	Hydraulic side shift (- MU-H 150 Vario; 40 cm stroke)	395,00 €
MU-HZ003	Hydraulic side shift (- MU-H 220 Vario; 56 cm stroke)	395,00 €
MU-HZ035	Shock absorbing linkage springs required	375,00 €
MU-SOFA	MU-SOFA® weight transfer system, recommended for front-mounted machines. See page 13.	1.120,00 €
MU-XZ020	Assembly of MU-SOFA on mulcher (surcharge)	375,00 €
MU-HZ022	Double free wheel gear box for PTO rotational direction	490,00 €
MU-HZ020	Modification of rpm / rotation direction	250,00 €
MU-HZ052	Rotor with M-shackle flails – additional charge (Attention, extended delivery times!)	810,00 €
MU-HZ060	Dust protection for front mounting MU-H 180 – 220 Vario	475,00 €
MU-HZ016	Second patented removable shredding bar system: “Shark fin”	190,00 €
MU-HZ041.2	Wear insert in housing (fitted)	520,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
Prior freight component		
	MU-H 120 – 200 Vario	at cost
	MU-H 220 Vario	at cost
Packaging / palletisation		
		70,00 €
Freight costs for supplemental delivery of accessories		
		at cost
Initial induction		
		on request

Flail Mowers MU-L Vario

Front and / or Rear mounting
for tractors from 45 to 130 hp



Details MU-L page: 53

Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel with multi position headstock Cat. 1 + 2 for front or rear mounting
- Rear mounting with mechanical side shift; MU-L 180 - 280 Vario: 56 cm
- Gear box with freewheel and through-drive for **540 rpm**, can be converted to 1000 rpm
MU-L 280 Vario: Gear box for 1000 rpm
- V-belt protection with inspection opening
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Large support roller for adjusting working height of mulcher
- Robust Starinthe® rear roller bearing system (see page 12)
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- **Hardox wear runners with separating effect, screw-type**
- Highly tempered spring steel flaps with swing protection
- **PTO shaft with hardened inner tube and cap bottom lubrication**

Options

- Front/rear three-point linkage Cat. 1 + 2 (laterally adjustable), supporting leg - as pictured
- Special three-point linkage, Cat. 1, for carrier vehicles (e.g.: Aebi, Reform) ,
- Hydraulic side shift (1 x DA required) MU-L 180 - 280 Vario: 56 cm stroke
- Front shock-absorbing spring assembly **required** for front mounting
- Alternatively we recommend the MU-SOFA® weight transfer system
- M-Shackle flails
- Wear insert in housing (factory mounted)
- Second patented removable shredding bar – System: "Shark fin"
- Scraper bar for offset support roller incl. extended side plates for support roller
- Operating hours counter with sensor, time recording using rotation pulse
- Warning signs with LED lighting equipment with turn signal failure indicator and lighting equipment support incl. 5 m cable (fitted)
- **Forward-mounted "BEEHAPPY" insect rescuer for MU-L 180 - 220 Vario**

Technical Data

Model	Working width	Overall width	max. Tractor-HP 540 / 1,000 rpm	Weight	Flails
MU-L 180	180 cm	197 cm	100 / 130 HP	640 kg	16 pieces
MU-L 200	200 cm	217 cm	100 / 130 HP	670 kg	16 pieces
MU-L 220	220 cm	237 cm	100 / 130 HP	740 kg	18 pieces
MU-L 250	250 cm	267 cm	100 / 130 HP	790 kg	22 pieces
MU-L 280	280 cm	297 cm	/ 130 HP	885 kg	24 pieces

Flail Mowers MU-L Vario

Front and / or Rear mounting

for tractors from 45 to 130 hp



Order number	Model	Retail price
MU-L180-31.2	MU-L 180 Vario with adjustable 3-point trestle	7.560,00 €
MU-L180-31.2-MITTIG	MU-L 180 Vario centrally mounted with 3-point trestle with 40 cm movement range	7.815,00 €
MU-L200-31.2	MU-L 200 Vario with adjustable 3-point trestle	7.930,00 €
MU-L200-31.2-MITTIG	MU-L 200 Vario centrally mounted with 3-point trestle with 40 cm movement range	8.160,00 €
MU-L220-31.2	MU-L 220 Vario with 3-point trestle with 40 cm movement range	8.310,00 €
MU-L250-31.2	MU-L 250 Vario with adjustable 3-point trestle	8.745,00 €
MU-L250-31.2-MITTIG-1000RPM	MU-L 250 Vario centrally mounted with 1000 rpm input speed and 3-point trestle adjustable by 40 cm	8.980,00 €
MU-L280-31.2	MU-L 280 Vario with adjustable 3-point trestle	9.360,00 €
MU-L280-31.2-MITTIG	MU-L 280 Vario centrally mounted with 3-point trestle with 56 cm movement range	9.600,00 €
Options		
MU-HZ009	Forward-mounted „BEEHAPPY“ insect rescuer for MU-H 160 - 220 Vario hydr. folding, 1 x SA control unit required (not compatible with hydraulic side shift)	3.415,00 €
MU-LZ009	Forward-mounted „BEEHAPPY“ insect rescuer for MU-H 160 - 220 Vario mechanically folding (not compatible with hydraulic side shift)	2.710,00 €
MU-LZ012.1	Adjustable front/rear 3-point trestle (as illustrated) – additional charge	255,00 €
MU-LZ014	Special Cat. 1 3-point trestle, adjustable – additional charge	390,00 €
MU-HZ003	Hydraulic side shift, 56 cm stroke	395,00 €
MU-HZ002	Hydraulic side shift, 40 cm stroke (only for machines with centrally mounted MU-L-180 - 250)	395,00 €
MU-LZ035	Shock-absorbing linkage springs required	375,00 €
MU-SOFA	MU-SOFA® weight transfer system, recommended for front-mounted machines. See page 13.	1.120,00 €
MU-XZ020	Assembly of MU-SOFA on mulcher (surcharge)	375,00 €
MU-LZ022	Double free wheel gear box for PTO rotational direction	670,00 €
MU-HZ020	Modification of rpm / rotation direction	250,00 €
MU-LZ052	Rotor with M-shackle flails – additional charge (Attention, extended delivery times!)	1.010,00 €
MU-LZ046	Extended side plates incl. scraper bar for positioning the support roller behind the housing, mulch deposited in front of the support roller	705,00 €
MU-LZ016	Second patented removable shredding bar system: “Shark fin”	240,00 €
MU-LZ041.2	Wear insert in housing (fitted)	655,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
Prior freight component		
	MU-L 180 – 200 Vario	at cost
	MU-L 220 – 280 Vario	at cost
Packaging / palletisation		
		70,00 €
Freight costs for supplemental delivery of accessories		
		at cost
Initial induction		
		on request

Flail Mower details

MU-M Vario



Flail Mower details

MU-M Vario



Elongated holes in the lower link points for better ground following with uniform cutting level



- Large, patented swivelling support roller for the option of discharging the material either behind or in front of the roller and for adjusting the height
- Robust Starinth® rear roller bearing system (see page 12)



- Adjustable Vario cutting bar for adjusting the shredding rate
- Wear insert in housing (fitted)



Scraper bar for offset support roller



Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable



Automatic V-belt tension



Support leg



Operating hours counter with sensor

Flail Mowers MU-M Vario

Front and Rear mounting

for tractors from 75 to 160 hp



Details MU-M page: 58 - 59

Standard Equipment

- Made of fine-grain QSt/E steel for front and rear mounting with 3-point trestle, Cat. 2
- Hydraulic side shift: 56 cm stroke
- Gear box with freewheel and through-drive for **1000 rpm**
- **Automatic belt tensioning**
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- **Large, patented swivelling support roller** for the option of discharging the mulch either behind or in front of the roller and for adjusting the working height of the mulcher (In the case of mulching blades in front of the roller, the wiper required!)
- Robust Starinth® rear roller bearing system (see page 12)
- Hardox wear runners with separating effect, screw-type
- Highly tempered spring steel flaps with swing protection
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- Support leg
- **Slotted holes in the lower link points** for perfect contour following and an even quality cut
- **PTO shaft with hardened inner tube and cap bottom lubrication**

Options

- Front shock-absorbing spring assembly **required** for front mounting
- Alternatively we recommend the MU-SOFA® weight transfer system
- **PTO shaft with hardened inner tube and cap bottom lubrication** – heavy-duty version
- Conversion to 750 rpm input speed
- M-Shackle flails
- Wear insert in housing (factory mounted)
- Second patented removable shredding bar – System: "Shark fin"
- Cleaner cutting edge for displaced support roller
- Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable
- Operating hours counter with sensor, time recording using rotation pulse

Technical Data

Model	Working width	Overall width	max. Tractor-HP 1,000 rpm	Weight	Flails
MU-M 220	220 cm	240 cm	160 HP	905 kg	18 pieces
MU-M 250	250 cm	270 cm	160 HP	975 kg	22 pieces
MU-M 280	280 cm	300 cm	160 HP	1,010 kg	24 pieces
MU-M 300	300 cm	320 cm	160 HP	1,085 kg	26 pieces

Flail Mowers MU-M Vario

Front and Rear mounting

for tractors from 75 to 160 hp



Order number	Model	Retail price
MU-M220-41.1	MU-M 220 Vario	11.525,00 €
MU-M250-41.1	MU-M 250 Vario	11.800,00 €
MU-M280-41.1	MU-M 280 Vario	12.110,00 €
MU-M280-41.1-MITTIG	MU-M 280 Vario central mounted	12.490,00 €
MU-M300-41.1	MU-M 300 Vario	12.590,00 €
Options		
MU-MZ035	Shock absorbing linkage springs required	420,00 €
MU-SOFA	MU-SOFA® weight transfer system, recommended for front-mounted machines. See page 13.	1.120,00 €
MU-XZ020	Assembly of MU-SOFA on mulcher (surcharge)	375,00 €
GE2501	PTO shaft with hardened inner tube, heavy-duty version (GE 2501) – Additional cost	185,00 €
MU-MZ020	Refitting for input rotational speed 750 rpm	395,00 €
MU-MZ052-41	Rotor with M-shackle flails – additional charge	1.010,00 €
MU-MZ041.1	Wear insert in housing (fitted)	805,00 €
MU-MZ046.1	Scraper bar for MU-M Vario	705,00 €
MU-PROZ016	Second patented removable shredding bar system: "Shark fin"	255,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

Flail Mower details

MU Vario-Shark 2.0



The farming specialist

Special edition for front and rear mounting up to 200 HP

Driving power: to 200 hp

Working width: 2,80 + 3,0 m



- Arable farming special edition for front and rear mounting up to 200 HP
- Suitable for all areas of arable farming
- Infinitely variable shredding rate thanks to the MU-Vario® System
- Adjustable cutting bar for rapid adjustment to any type of crop or condition

Flail Mower details

MU Vario-Shark 2.0

Müthing



Vario



- Large swivelling support roller for the option of discharging the mulch either behind or in front of the roller for optimal germination conditions
- Optimised clearance between support roller and rotor to ensure that even long stalks are processed in their entirety
- Optional scraper bar for the support roller
- Screw-type short chopping bar system: "Shark fin" design – a Müthing patent
- Powerful gear box

- Starinth rear roller bearing system
- Hardox wear runners with separating effect, screw-type
- MU-SOFA weight transfer system (optional)
- Special edition with additional equipment
- Headstock designed for large tractor series
- The hydraulic side shift system is equipped with adjustable tubes with plastic mounts for low-wear continuous use

Flail Mowers MU-Vario-Shark 2.0

Front and Rear mounting
for tractors from 95 to 200 hp



Müthing

Vario



Details MU-Vario-Shark page: 62 - 63

Standard Equipment

- Made of fine-grain QSt/E steel for front and rear mounting
- **3-point trestle, Cat. 2 with PE slide bearing**
- Hydraulic side shift: 56 cm stroke
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- Wear insert in housing (factory mounted)
- **Gear box with high input power, with freewheel and through-drive for 1000 rpm**
- Automatic belt tensioning
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- **Large, patented swivelling support roller** for the option of discharging the mulch either behind or in front of the roller and for adjusting the working height of the mulcher (In the case of mulching blades in front of the roller, the wiper required!)
- Robust Starinth® rear roller bearing system (see page 12)
- Hardox wear runners with separating effect, screw-type
- Highly tempered spring steel flaps with swing protection
- Support leg
- **Slotted holes in the lower link points** for perfect contour following and an even quality cut
- **PTO shaft with hardened inner tube and cap bottom lubrication** – heavy-duty version

Options

- Front shock-absorbing spring assembly **required** for front mounting
- Alternatively we recommend the MU-SOFA® weight transfer system
- Rotor with M-shackle flails (Attention, extended delivery times!)
- Second patented removable shredding bar – System: "Shark fin"
- Cleaner cutting edge for displaced support roller
- Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable
- Operating hours counter with sensor, time recording using rotation pulse

Technical Data

Model	Working width	Overall width	max. Tractor-HP 1,000 rpm	Weight	Flails
MU-Vario-Shark 280	280 cm	300 cm	200 HP	1,112 kg	24 pieces
MU-Vario-Shark 300	300 cm	320 cm	200 HP	1,193 kg	26 pieces

Flail Mowers MU-Vario-Shark 2.0

Front and Rear mounting

for tractors from 95 to 200 hp



Order number	Model	Retail price
MU-VS280-2.0	MU-VS 280 VarioShark 2.0 including cutting rail and wear insert	13.415,00 €
MU-VS280-2.0-MITTIG	MU-VS 280 VarioShark 2.0 central extension including cutting rail and wear insert	13.845,00 €
MU-VS300-2.0	MU-VS 300 VarioShark 2.0 including cutting rail and wear insert	14.225,00 €
Options		
MU-MZ035	Shock absorbing linkage springs required	420,00 €
MU-SOFA	MU-SOFA® weight transfer system, recommended for front-mounted machines. See page 13.	1.120,00 €
MU-XZ020	Assembly of MU-SOFA on mulcher (surcharge)	375,00 €
MU-MZ046.1-SHARK	Scraper bar for MU-VS 2.0, painted black	705,00 €
MU-PROZ016	Second patented removable shredding bar system: "Shark fin"	255,00 €
MU-MZ052-44	Rotor with M-shackle flails – additional charge (Attention, extended delivery times!)	1.010,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request



Flail Mower details

MU-M/F Vario



- Made of fine-grain steel QSt/E, hydraulically folding, for rear mounting with 3-point linkage Cat. 3
- Required hydraulic connections: 2 x SA



- Manageable transport position with 3.60 m total height and 2.85 m transport width
- Transport locking in 90° position



Hydraulically driven central strip mulcher for a perfect appearance and consistent results



- 2 smooth-running rotors with specially formed blade holders arranged in a spiral pattern
- Wear inserts in the housings (fitted)



Harbox wear skids bolt on



Bolt on short chopping bar system:
"Shark fin" design – a Müthing patent

Flail Mower details

MU-M/F Vario



Field chassis with 4 support wheels 23x10.50-12



360° swivelling, with mechanical height adjustment



Automatic V-belt tension



Hydraulically driven strip mulcher, for a perfect appearance and consistent results
Required oil quantity: 50 l / 180 bar.
Required hydraulic connections:
1 x pressure line with BG 2 plug
1 x pressureless return line with BG 3 socket,
Max. back pressure < 20 bar



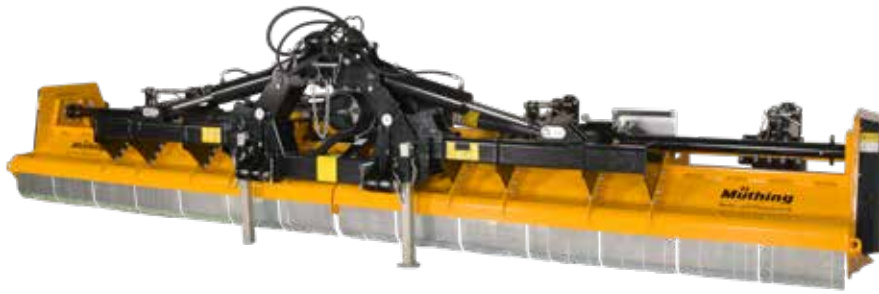
Support legs for stability, can also be stored in folded state



- Standard equipment: Large support roller
- Optional: Scraper bar for rear support roller position

Flail Mowers MU-M/F Vario

Rear mounting, hydraulic folding
for tractors from 130 to 300 hp



Details MU-M/F page: 66 - 67

Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel, hydraulic folding frame with headstock Cat. 3
- Gear box with freewheel for **1000 rpm**
- **Automatic belt tensioning**
- Wear inserts in the housings (fitted)
- Transport lock in 90° position
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- 2 smooth-running rotors with specially formed tool holders arranged in a spiral pattern
- **Large, patented swivelling support roller** for the option of discharging the mulch either behind or in front of the roller and for adjusting the working height of the mulcher (In the case of mulching blades in front of the roller, the wiper required!)
- Robust Starinth® rear roller bearing system (see page 12)
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Hardox wear runners with separating effect, screw-type
- Highly tempered spring steel flaps with swing protection
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- 2 single acting spool valves are required
- Support legs
- **PTO shaft with hardened inner tube and cap bottom lubrication** – heavy-duty version
- Warning signs with LED lighting equipment with turn signal failure indicator with lighting equipment support (fitted)

Options

- Field chassis with 4 support wheels 23x10.50-12, 360° rotating, with mechanical height adjustment
- Second patented removable shredding bar – System: "Shark fin"
- Cleaner cutting edge for displaced support roller
- **2Cut double-cut rotor (with 48 M-hammer flails each)**
- Hydraulically driven strip mulcher
Required oil quantity: 50 l / 180 bar.
Required hydraulic connections:
1 x pressure line with BG 2 plug
1 x pressureless return line with BG 3 socket, max. back pressure < 20 bar
- Operating hours counter with sensor, time recording using rotation pulse

Technical Data

Model	Working width	Overall width	max. Tractor-HP 1,000 rpm	Weight	Flails Serie / 2Cut
MU-M/F 600	600 cm	634 cm	300 HP	2,700 kg	52 / 96

Flail Mowers MU-M/F Vario

Rear mounting, hydraulic folding

for tractors from 130 to 300 hp

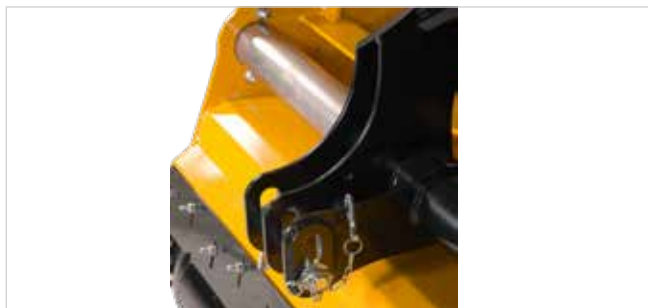


Order number	Model	Retail price
MU-M600-41.2	MU-M/F 600 Vario, hydraulically folding with swivelling support rollers	39.120,00 €
MU-M600-41.1	MU-M/F 600 Vario, hydraulically folding with 4 support wheels with 360° rotation	42.120,00 €
Options		
MU-MZ062	Scraper bar for MU-M/F 600 Vario	1.370,00 €
MU-MZ054-41/600	2Cut double-cut rotor with 48 M-hammer flails each – Additional cost (Attention, extended delivery times!)	2.595,00 €
MU-MZ061	Strip divider to reduce the centre strip	180,00 €
MU-MZ032-600	Additional protection device for extremely stony conditions	1.770,00 €
MU-PROZ016 (2x 300)	Second patented removable shredding bar system: "Shark fin"	500,00 €
MU-MZ060.1	Hydraulically powered central strip mulcher	4.985,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
MU-MZ070	Quick-hitch adapter, Cat. 3	2.595,00 €
	Prior freight component	at cost
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request



Flail Mower details

MU-PRO Vario



Elongated holes in the lower link points for better ground following with uniform cutting level



- Large, patented swivelling support roller for the option of discharging the material either behind or in front of the roller and for adjusting the height
- Robust Starinth® rear roller bearing system (see page 12)



Front shock-absorbing spring assembly recommended for front mounting



Wear insert in housing (fitted)



Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable



Scraper bar for offset support roller



Automatic V-belt tension



Adjustable Vario cutting bar for adjusting the shredding rate

Flail Mower details

MU-PRO Vario with hydraulically adjustable Vario cutting bar



Mu-Vario® system for an optimised intake and housing form and infinitely variable shredding rates. The result is ideal mulch quality and shredding performance.

Convincing advantages:

- Optimal chopping and shredding
- Adjustable Vario cutting bar
- Mulcher can be adapted to all conditions and crops
- Optimised intake and housing form



Wide blade spacing



Narrow blade spacing

VarioShift hydraulic adjustment of cutting bar
(Only available for Pro 280!
Attention, extended delivery times!)



Wide blade spacing (max.)



Narrow blade spacing (min.)



Starting material:
Mustard catch crop



Adjustment of cutting bar via front thrust tube. Triple mounting of thrust tube with high-strength plastic.



Central hydraulic cylinder for adjusting cutting bar, 1 additional DA required.

Flail Mowers MU-PRO Vario

Front and Rear mounting

for tractors from 95 to 250 hp



Details MU-PRO page: 70 - 71

Standard Equipment

- Made of fine-grain QSt/E steel for front and rear mounting with 3-point trestle, Cat. 2 + 3
- Hydraulic side shift: 56 cm stroke
- Gear box with freewheel and through-drive for **1000 rpm**
- **Automatic belt tensioning**
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- **Large, patented swivelling support roller** for the option of discharging the mulch either behind or in front of the roller and for adjusting the working height of the mulcher
- Robust Starinth® rear roller bearing system (see page 12)
- Hardox wear runners with separating effect, screw-type
- Highly tempered spring steel flaps with swing protection
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- **Wear insert in housing (factory mounted)**
- **Cleaner cutting edge for displaced support roller**
- Support leg
- **Slotted holes in the lower link points** for perfect contour following and an even quality cut
- **PTO shaft with hardened inner tube and cap bottom lubrication** – heavy-duty version

Options

- Front shock-absorbing spring assembly **required** for front mounting
- Alternatively we recommend the MU-SOFA® weight transfer system
- **2Cut double-cut rotor**
- M-Shackle flails
- **VarioShift hydraulic adjustment of cutting bar for MU-PRO**
- Second patented removable shredding bar – System: "Shark fin"
- Conversion to 750 rpm input speed
- Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable
- Operating hours counter with sensor, time recording using rotation pulse

Technical Data

Model	Working width	Overall width	max. Tractor-HP 1,000 rpm	Weight	Flails Serie / 2Cut
MU-PRO 250	250 cm	270 cm	250 HP	1,330 kg	22 / 38
MU-PRO 280	280 cm	300 cm	250 HP	1,400 kg	24 / 42
MU-PRO 300	300 cm	320 cm	250 HP	1,460 kg	26 / 46
MU-PRO 320	320 cm	340 cm	250 HP	1,500 kg	28 / 48

Flail Mowers MU-PRO Vario

Front and Rear mounting

for tractors from 95 to 250 hp



Order number	Model	Retail price
MU-PRO250-41.1	MU-PRO 250 Vario	14.545,00 €
MU-PRO280-41.1	MU-PRO 280 Vario	15.100,00 €
MU-PRO280-41.1-MITTIG	MU-PRO 280 Vario central mounted	15.350,00 €
MU-PRO300-41.1	MU-PRO 300 Vario	15.880,00 €
MU-PRO320-41.1	MU-PRO 320 Vario	16.655,00 €
Options		
MU-MZ035	Shock-absorbing linkage springs required (not with MU-SOFA)	420,00 €
MU-SOFA	MU-SOFA® weight transfer system, recommended for front-mounted machines. See page 13.	1.120,00 €
MU-XZ020	Assembly of MU-SOFA on mulcher (surcharge)	375,00 €
MU-PROZ020	Refitting for input rotational speed 750 rpm	395,00 €
MU-PROZ054-41	2Cut double-cut rotor – Additional cost (Attention, extended delivery times!)	1.300,00 €
MU-PROZ052-42	Rotor with M-shackle flails (CE mark only) – Additional cost (Attention, extended delivery times!)	1.170,00 €
MU-PROZ032	VarioShift hydraulic adjustment of cutting bar (Only available for Pro 280! Attention, extended delivery times!)	2.710,00 €
MU-PROZ016	Second patented removable shredding bar system: "Shark fin"	255,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

Flail Mowers CoverSeeder

Rear mounting

for tractors from 130 to 250 hp



- Innovative machine concept enables the sowing of catch crops and green coverings and the processing of harvest residues in one operation. The protective mulch layer is retained and is not worked into the soil

Standard Equipment

- Made of fine-grain QSt/E steel for front and rear mounting with 3-point trestle, Cat. 3
- Hydraulic side shift: 56 cm stroke (can only be used with solo use of the mulcher)
- Central gear with integrated freewheel for 1,000 rpm
- **Automatic belt tensioning**
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Hardox wear runners with separating effect, screw-type
- Highly tempered spring steel flaps with swing protection
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- **Wear insert in housing (factory mounted)**
- Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 4 m cable
- **PTO shaft with hardened inner tube and cap bottom lubrication** – heavy-duty version
- **Pneumatic sowing unit for CoverSeeder consisting of pneumatic sowing device (incl. control terminal) and sowing rail in the mulcher housing for depositing the seed in wide sowing on the soil surface**
- **Dust protection - extension on the mulcher housing reduces dust and dirt**
- **Self-cleaning prism roller to create a crumbly soil structure and soil contact for the seed** – can also be used separately

Options

- 2Cut double-cut rotor
- **Single-row harrow consisting of 20 harrow tines with angle and depth adjustment, incl. long PTO shaft**
- **Pivoting support roller for conversion to standard mulching device (incl. scraper and crop guide flap)**
- Operating hours counter with sensor, time recording using rotation pulse

Technical Data

Model	Working width	Overall width	max. Tractor-HP 1,000 rpm	Weight	Flails Serie / 2Cut
CoverSeeder	280 cm	300 cm	250 HP	2,550 kg (2,350 kg)	24 / 42

Flail Mowers CoverSeeder

Rear mounting

for tractors from 130 to 250 hp



Order number	Model	Retail price
MU-CoverSeeder280-41.1	CoverSeeder 280 Vario central attachment with prism roller 38 cm, pneumatic sowing device and dust protection, LED lighting	33.750,00 €
Options		
MU-PROZ054-41	2Cut double-cut rotor – Additional cost (Attention, extended delivery times!)	1.300,00 €
MU-AGRIZ010	Harrow with 20 harrow tines (10 mm) with angle and depth adjustment (incl. long PTO shaft)	3.535,00 €
MU-PROZ050-41	Swivel support roller for conversion to standard mulcher (incl. scraper and goods guide flap) as an accessory pack	1.545,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
	Prior freight component	at cost
	Packaging / palletisation	120,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

Please note: Reduced sales partner discounts, please contact your Müthing contact person before preparing a quotation!



Flail Mower details

MU-PRO/F Vario, MU-PRO/F Trail Vario



Flail Mower details

MU-PRO/F Vario, MU-PRO/F Trail Vario



Short design for a centre of gravity close to the tractor (quick hitch-suitable).



The clever offset design allows for a high-performance twin gear box and split power transmission to each side.



The gear box: Designed for driving powers of up to 400 hp.



Support legs for stability, can also be stored in folded state.



Clever folding: Equipment height set by parallelogram-type suspension of the two mulcher housings.



Tidy: On-board hydraulics with the MU-SOFA® weight transfer system



Trouble-free and low-maintenance operation due to the efficient design of the automatic V-belt tensioning system.



The mulcher housings can also be lifted individually (optional).

Flail Mowers MU-PRO/F Vario

Rear mounting, hydraulic folding
for tractors from 200 to 400 hp



Müthing

Vario



Details MU-PRO/F page: 76 - 77

Standard Equipment

- Complete unit is comprised of the MU-PRO/F 860 Vario and MU-PRO 280 Vario (centrally mounted) as a front-mounted unit
- Manufactured from fine-grain steel S700MC for a low dead weight combined with high strength
- Gear box with freewheel and through-drive for **1000 rpm** for driving powers of up to 400 HP
- **Automatic belt tensioning**
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- 2 smooth-running rotors with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Wear insert in housing (factory mounted)
- MU-SOFA® weight transfer system for perfect ground adaptation
- **Large, patented swivelling support roller** for the option of discharging the mulch either behind or in front of the roller and for adjusting the working height of the mulcher
- Robust Starinth® rear roller bearing system (see page 12)
- Independant lift of left and right wings
- Hardox wear runners with separating effect, screw-type
- Highly tempered spring steel flaps with swing protection
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- Scraper bar for offset support roller
- 4 support legs for space-saving storage in the transport position
- **PTO shaft with hardened inner tube and cap bottom lubrication** – heavy-duty version
- Warning signs with LED lighting equipment with turn signal failure indicator with lighting equipment support (fitted)
- Operating hours counter with sensor, time recording using rotation pulse

Options

- Second patented removable shredding bar – System: "Shark fin"
- **2Cut double-cut rotor**

Technical Data

Model	Working width	Overall width	max. Tractor-HP 1,000 rpm	Weight	Flails Serie / 2Cut
MU-PRO/F 860	860 cm	900 cm	400 HP	3,600 kg	56 / 96
MU-PRO 280	280 cm	300 cm	250 HP	1,400 kg	24 / 42

Flail Mowers MU-PRO/F Vario

Rear mounting, hydraulic folding
for tractors from 200 to 400 hp



Order number	Model	Retail price
MU-PRO860-91.1	MU-PRO/F 860 Vario, rear mounting, hydraulically folding	63.420,00 €
	Options for MU-PRO/F 860 Vario	
MU-PROZ016 (2x 320)	Second patented removable shredding bar system: „Shark fin“.	500,00 €
MU-PROZ054-41/860	2Cut double-cut rotor – Additional cost (with 48 M-hammer flails each) (Attention, extended delivery times!)	2.595,00 €
MU-PROFZ032	Additional protection device for extremely stony conditions	1.350,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	standard

Order number	Model	Retail price
MU-PRO280-41.1-MITTIG-VE	MU-PRO 280 Vario centrally mounted with wear insert as front-mounted implement, can also be used solo at rear	15.350,00 €
	Options for front mounted MU-PRO 280	
MU-MZ035	Shock-absorbing linkage springs required	420,00 €
MU-SOFA	MU-SOFA® weight transfer system, recommended for front-mounted machines. See page 13.	1.120,00 €
MU-XZ020	Assembly of MU-SOFA on mulcher (surcharge)	375,00 €
MU-PROZ016	Second patented removable shredding bar system: „Shark fin“.	255,00 €
MU-PROZ054-41	2Cut double-cut rotor (with 42 M-hammer flails) – Additional cost (Attention, extended delivery times!)	1.300,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
	Prior freight component	at cost
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request



Flail Mowers MU-PRO/F Trail Vario

Rear mounting, hydraulic folding
for tractors from 200 to 500 hp



Müthing

Vario



Details MU-PRO/F Trail page: 76 - 77

Standard Equipment

- **MU-PRO/F Trail - Combination consisting of:**
 - MU-PRO280 (can also be used solo)
 - MU-PRO/F 860 (hydraulically folding)
 - Transport chassis for bottom attachment incl. 2-line air brake system, flotation tyres 560/45-22.5, central inclination adjustment, optional K80 ball, Drawbar connection with towing eye, Piton-Fix, lower link attachment, standard coupling height 600 mm
- Manufactured from fine-grain steel S700MC for a low dead weight combined with high strength
- Gear box with freewheel and through-drive for **1000 rpm** for driving powers of up to 400 HP
- **Automatic belt tensioning**
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- 3 smooth-running rotors with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Wear insert in housing (factory mounted)
- MU-SOFA® weight transfer system for perfect ground adaptation
- **Large, patented swivelling support roller** for the option of discharging the mulch either behind or in front of the roller and for adjusting the working height of the mulcher
- Robust Starinth® rear roller bearing system (see page 12)
- Independant lift of left and right wings
- Hardox wear runners with separating effect, screw-type
- Highly tempered spring steel flaps with swing protection
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- Scraper bar for offset support roller
- 4 support legs for space-saving storage in the transport position
- **PTO shaft with hardened inner tube and cap bottom lubrication** – heavy-duty version
- Warning signs with LED lighting equipment with turn signal failure indicator with lighting equipment support (fitted)
- Operating hours counter with sensor, time recording using rotation pulse
- TÜV acceptance for 40 km / h approval

Options

- Second patented removable shredding bar – System: "Shark fin"
- **2Cut double-cut rotor**

Flail Mowers MU-PRO/F Trail Vario

Rear mounting, hydraulic folding

for tractors from 200 to 500 hp



Order number	Model	Retail price
MU-PRO860-91.1 Trail	MU-PRO/F Trail Vario - Combination consisting of: <ul style="list-style-type: none"> • MU-PRO280 (can also be used solo) • MU-PRO/F 860 (hydraulically folding) • Transport chassis for bottom attachment incl. 2-line air brake system, flotation tyres 560/45-22.5, central inclination adjustment, optional K80 ball, hitch, Piton-Fix, lower link attachment 	98.490,00 €
Options for MU-PRO/F Trail 860 Vario		
MU-PROFZ013	Lower link attachment	2.320,00 €
MU-PROFZ010	K80 ball	390,00 €
MU-PROFZ011	Towing eye	on request
MU-PROFZ012	Piton-Fix	on request
MU-PROZ016 (2x 320, 1x 280)	Second patented removable shredding bar system: „Shark fin“.	745,00 €
MU-PROZ054-41/860	2Cut double-cut rotor with 138 M-hammer flails – Additional cost	3.890,00 €
MU-PROFZ032	Additional protection device for extremely stony conditions	1.350,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	standard
	Prior freight component	at cost
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

Technical Data

Model	Working width	Overall width	max. Tractor-HP 1,000 rpm	Weight	Flails Serie / 2Cut	Transport width
MU-PRO/F Trail 860	860 cm	900 cm	500 HP	6,500 kg	80 / 138	630 cm

Flail Mower details

MU-C/S



Short design for a centre of gravity close to the tractor



Easily accessible transport locking device thanks to stop valve



V-belt tension is always visible:
V-belt protection with inspection opening



Hardox wear runners for long service life (optional).



Easily accessible bearing points for quick maintenance



Flail Mower details

MU-FM/S



Secure transport lock for road transport or when transporting the machinery combination on a passenger car trailer.



A large adjustment range makes it possible to work both behind and alongside the tractor. Narrow access tracks and side strips can be mulched just as easily.



Patented mechanical collision protection device responds reliably and returns automatically to the working position.



V-belt tension is always visible:
V-belt protection with inspection opening



Wear insert for rough day-to-day usage by service providers and municipal authorities (optional).



Flail Mowers MU-C/S

Side Flail Mowers with fixed Offset Headstock
for tractors from 20 to 35 hp



Details MU-C/S page: 82

Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel with headstock Cat. 1 for rear mounting
- **Fixed off set mounting for working near to the tractor, housing can be swivelled vertically**
- Working area offset 58 cm to the right from tractor centre
- Working angle 90° up to 45° down
- Gear box with freewheel for **540 rpm**
- V-belt protection with inspection opening
- Transport lock in 90° position with stop valve
- **Carbide M-shackle flail**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Removable shredding bar
- Support roller for adjusting height of mulcher.
- Side, wearing skids
- Highly tempered spring steel flaps with swing protection
- Carbide wearing skids, removable
- Support leg
- 1 double acting spool valve required with float position
- **PTO shaft with hardened inner tube and cap bottom lubrication**

Technical Data

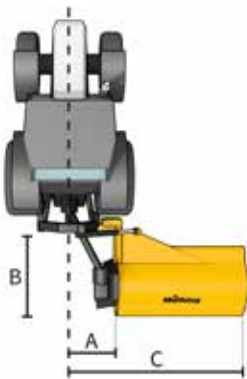
Model	Working width	Overall width (C)	max. Tractor-HP 540 rpm	Weight	Flails	Min. tractor weight
MU-C/S 100	100 cm	158 cm	35 HP	208 kg	16 pieces	650 kg
MU-C/S 120	120 cm	178 cm	35 HP	225 kg	20 pieces	700 kg

Flail Mowers MU-C/S

Side Flail Mowers with fixed Offset Headstock
for tractors from 20 to 35 hp



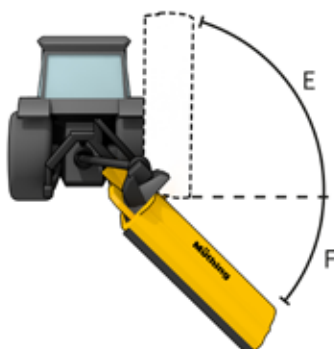
Order number	Model	Retail price
MU-C/S100-31	MU-C/S 100 – fixed side mounting	5.630,00 €
MU-C/S120-31	MU-C/S 120 – fixed side mounting	5.825,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request



Working and Shifting Ranges MU-C/S

The stated measurements are approximate and may vary according to different Tractors

Working and adjustment ranges (cm)		100	120
A	Offset Mounting to the Right	58	58
B	Transport Length Backwards	121	121
C	Maximum Width to the Right	158	178
Working ranges (°)			
E	Angular range upwards	90	90
F	Angular range downwards	45	45



Multi Purpose Flail Mowers MU-FM/S

Rear and side multi-purpose Flail Mowers
for tractors from 30 to 45 hp



Details MU-FM/S page: 83

Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel with headstock Cat. 1 for rear mounting
- **Hydraulic side shift via swivel arm**, adjustment range 112 cm
- Total working range up to 272 cm (see drawing / table)
- Working angle 90° up to 60° down
- Gear box with freewheel for **540 rpm**
- V-belt protection with inspection opening
- **Patented automatic collision protection device via mechanically acting space-links**
- Transport lock in 90° position with stop valve
- **Carbide M-shackle flail**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Muthing patent
- Support roller for adjusting height of mulcher
- Carbide wearing skids, removable
- Highly tempered spring steel flaps with swing protection
- Support leg
- 2 double acting spool valves required, at least one with float position
- **PTO shaft with hardened inner tube and cap bottom lubrication**

Options

- Wear insert in housing (factory mounted)
- **Second screw-type short chopping bar system "Shark fin" design – a Muthing patent**
- Operating hours counter with sensor, time recording using rotation pulse

Technical Data

Model	Working width	Overall width (G)	max. Tractor-HP 540 rpm	Weight	Flails	Min. tractor weight
MU-FM/S 120	120 cm	203 cm	45 HP	340 kg	20 pieces	1.000 kg
MU-FM/S 140	140 cm	223 cm	45 HP	353 kg	24 pieces	1.100 kg
MU-FM/S 160	160 cm	243 cm	45 HP	370 kg	28 pieces	1.200 kg

Multi Purpose Flail Mowers MU-FM/S



Rear and side multi-purpose Flail Mowers
for tractors from 30 to 45 hp

Order number	Model	Retail price
MU-FM/S120-31	MU-FM/S 120, automatic collision protection device	7.745,00 €
MU-FM/S140-31	MU-FM/S 140, automatic collision protection device	8.360,00 €
MU-FM/S160-31	MU-FM/S 160, automatic collision protection device	9.015,00 €

Options

MU-FM/SZ041.1	Wear insert in housing (fitted)	390,00 €
MU-FMZ046	Second patented removable shredding bar system: „Shark fin“.	135,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €

Prior freight component

at cost

Packaging / palletisation

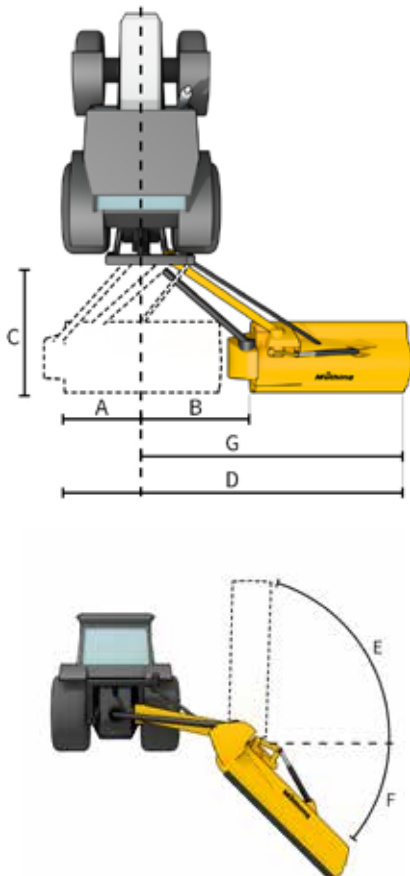
70,00 €

Freight costs for supplemental delivery of accessories

at cost

Initial induction

on request



Working and Shifting Ranges MU-FM/S

The stated measurements are approximate and may vary according to different Tractors

Working and adjustment ranges (cm)	120	140	160
A Shifting Range to the Left	29	29	29
B Shifting Range to the Rights	83	83	83
C Transport Length Backwards	160	160	160
D Overall Working Width incl. Machine Width	232	252	272
G Overall width	203	223	243
Working ranges (°)			
E Angular range upwards	90	90	90
F Angular range downwards	60	60	60

Flail Mowers MU-E/S

Side Flail Mowers for Rear or Front mounting

for compact tractors and carrier vehicles from 30 to 60 hp



Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel with headstock Cat. 1 + 2 for rear mounting
- Hydraulic side shift 50 cm: Inner edge of mulcher from 86 cm to 136 cm outwards from tractor centre
- Working angle 90° up to 60° down
- Gear box with integrated freewheel and through-drive for 540 rpm, can be converted to 1000 rpm (Important: Different gear box required)
- Transport lock in 90° position with stop valve
- V-belt protection with inspection opening
- Mechanical break back
- **Carbide M-shackle flail**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Support roller for adjusting height of mulcher
- Carbide wearing skids, removable
- Highly tempered spring steel flaps with swing protection
- Support leg
- 2 double acting spool valves required, at least one with float position
- **PTO shaft with hardened inner tube and cap bottom lubrication**

Options

- Front/rear 3-point trestle with collision protection device
- Wear insert in housing (factory mounted)
- **Second screw-type short chopping bar system "Shark fin" design – a Müthing patent**
- Operating hours counter with sensor, time recording using rotation pulse
- Warning signs with LED lighting equipment with turn signal failure indicator (not fitted)

Technical Data

Model	Working width	Overall width (G)	max. Tractor-HP 540 rpm	Weight	Flails	Min. tractor weight
MU-E/S 120	120 cm	256 cm	60 HP	497 kg	20 pieces	1.450 kg
MU-E/S 140	140 cm	276 cm	60 HP	520 kg	24 pieces	1.540 kg
MU-E/S 160	160 cm	296 cm	60 HP	543 kg	28 pieces	1.620 kg

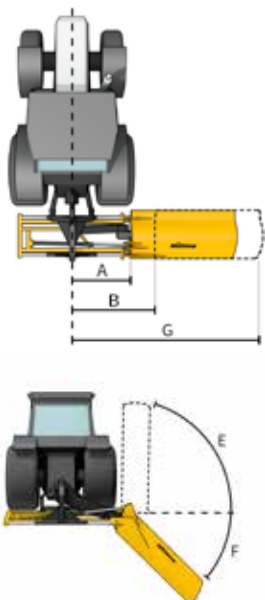
Flail Mowers MU-E/S



Side Flail Mowers for Rear or Front mounting

for compact tractors and carrier vehicles from 30 to 60 hp

Order number	Model	Retail price
MU-E/S120-10	MU-E/S 120 with adjustable 3-point trestle	11.165,00 €
MU-E/S140-10	MU-E/S 140 with adjustable 3-point trestle	11.350,00 €
MU-E/S160-10	MU-E/S 160 with adjustable 3-point trestle	11.525,00 €
Options		
MU-E/SZ012-10	Front/rear adjustable 3-point trestle with collision protection device - additional charge- (Special order – observe delivery time)	860,00 €
MU-EZ020	Modification of rpm / rotation direction	250,00 €
MU-E/SZ046	Second patented removable shredding bar system: „Shark fin“.	145,00 €
MU-E/SZ041	Wear insert in housing (fitted)	720,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request



Working and Shifting Ranges MU-E/S

The stated measurements are approximate and may vary according to different Tractors

Working and adjustment ranges (cm)		120	140	160
A	Offset Mounting to the Right	86	86	86
B	Shifting Range to the Rights	136	136	136
G	Maximum Width to the Right	256	276	296
Working ranges (°)				
E	Angular range upwards	90	90	90
F	Angular range downwards	60	60	60

*** Please note:**

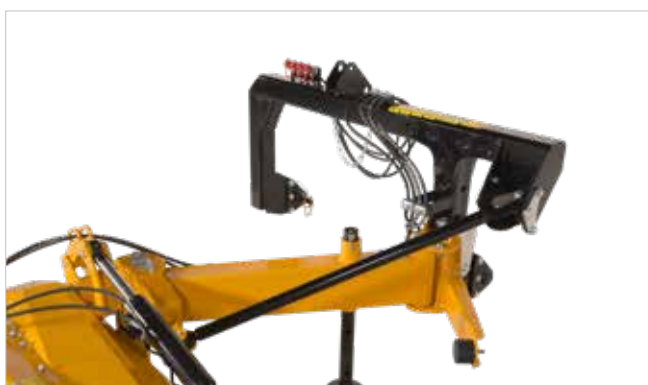
For Front mounting please state on a copy of the data sheet on page 124 the driving direction of the Front P.T.O. (seen from behind to left or right rotation) as well as the R.P.M., size and model of the P.T.O. itself (See page 120 and 121 on the P.T.O. overview). When Front mounting please pay attention to the permitted Maximum Tractor Front Axle Load!

Flail Mower details

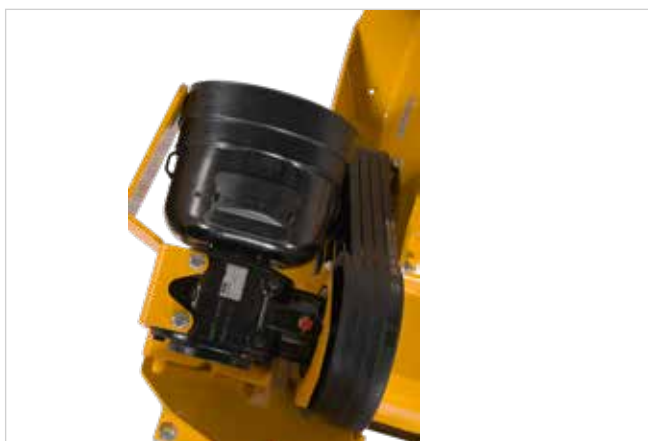
MU-H/S Vario



- Hydraulic side shift via swivel arm, adjustment range 155 cm
- Total working range up to 355 cm (see drawing / table on page 97)
- Working range from 90° upwards to 60° downwards



Patented automatic collision protection device via mechanically acting space rods



- Gear box with freewheel for 540 rpm
- V-belt protection with inspection opening

Adjustable Vario cutting bar for adjusting the shredding rate

Flail Mower details

MU-L/S Vario

Müthing



- Hydraulic side shift via swivel arm, adjustment range 175 cm
- Total working range up to 425 cm (see drawing / table on page 93)
- Working range from 90° upwards to 60° downwards

- Required hydraulic connections: 2 x DA, of which 1 x DA with float position
- Support leg



Large support roller for adjusting working height of mulcher



Robust Starinth® rear roller bearing system (see page 12)

Multi Purpose Flail Mowers MU-H/S Vario

Rear and side multi-purpose Flail Mowers
for tractors from 55 to 90 hp



Details MU-H/S page: 90

Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel with headstock Cat. 2 for rear mounting
- **Hydraulic side shift via swivel arm**, adjustment range 155 cm
- Total working range up to 355 cm (see drawing / table on page 93)
- Working angle 90° up to 60° down
- Gear box with freewheel for **540 rpm**
- V-belt protection with inspection opening
- **Patented automatic collision protection device via mechanically acting space-links**
- Transport lock in 90° position with stop valve
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Support roller for adjusting height of mulcher
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- Carbide wearing skids, removable
- Highly tempered spring steel flaps with swing protection
- Support leg
- 2 double acting spool valves required, at least one with float position
- **PTO shaft with hardened inner tube and cap bottom lubrication**

Options

- M-Shackle flails
- Wear insert in housing (factory mounted)
- Second patented removable shredding bar – System: "Shark fin"
- Warning signs with LED lighting equipment with turn signal failure indicator and lighting equipment support incl. 5 m cable (fitted)
- Operating hours counter with sensor, time recording using rotation pulse

Technical Data

Model	Working width	Overall width (G)	max. Tractor-HP 540 rpm	Weight	Flails	Min. tractor weight
MU-H/S 140	140 cm	240 cm	90 HP	650 kg	12 pieces	1.800 kg
MU-H/S 160	160 cm	260 cm	90 HP	660 kg	14 pieces	2.000 kg
MU-H/S 180	180 cm	280 cm	90 HP	690 kg	16 pieces	2.200 kg
MU-H/S 200	200 cm	300 cm	90 HP	720 kg	16 pieces	2.400 kg

Multi Purpose Flail Mowers MU-H/S Vario



Rear and side multi-purpose Flail Mowers
for tractors from 55 to 90 hp

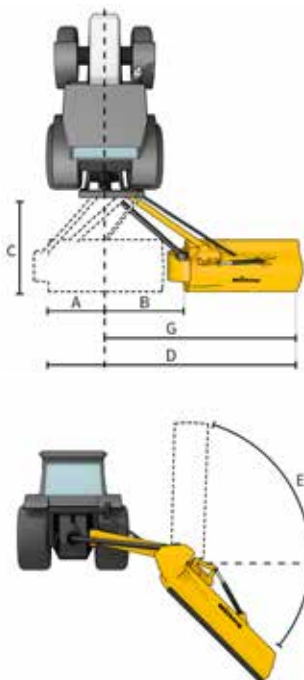
Order number	Model	Retail price
MU-H/S140-31.1	MU-H/S 140 Vario, automatic collision protection device	9.270,00 €
MU-H/S160-31.1	MU-H/S 160 Vario, automatic collision protection device	9.890,00 €
MU-H/S180-31.1	MU-H/S 180 Vario, automatic collision protection device	10.330,00 €
MU-H/S200-31.1	MU-H/S 200 Vario, automatic collision protection device	10.675,00 €

Options

MU-HZ052	Rotor with M-shackle flails – additional charge only in combination with MU-HZ041.2 (Wear insert in housing)	810,00 €
MU-HZ041.2	Wear insert in housing (fitted)	520,00 €
MU-HZ016	Second patented removable shredding bar system: „Shark fin“	190,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €

Prior freight component

TPGMUH/S31	Transport frame for MU-H/S Vario (credit note for return delivery)	at cost 200,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request



Working and Shifting Ranges MU-H/S

The stated measurements are approximate and may vary according to different Tractors

Working and adjustment ranges (cm)		140	160	180	200
A	Shifting Range to the Left	55	55	55	55
B	Shifting Range to the Rights	100	100	100	100
C	Transport Length Backwards	225	225	225	225
D	Overall Working Width incl. Machine Width	295	315	335	355
G	Overall width	240	260	280	300
Working ranges (°)					
E	Angular range upwards	90	90	90	90
F	Angular range downwards	60	60	60	60

Multi Purpose Flail Mowers MU-L/S Vario

Rear and side multi-purpose Flail Mowers

for tractors from 75 to 130 hp



Details MU-L/S page: 91

Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel with wider headstock Cat. 2 for rear mounting
- **Hydraulic side shift via swivel arm**, adjustment range 175 cm
- Total working range up to 425 cm (see drawing / table)
- Working angle 90° up to 60° down
- Gear box with freewheel for **540 rpm**
- V-belt protection with inspection opening
- **Patented automatic collision protection device via mechanically acting space-links**
- Transport lock in 90° position with stop valve
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Large support roller for adjusting working height of mulcher
- Robust Starinth® rear roller bearing system (see page 12)
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- **Hardox wear runners with separating effect, screw-type**
- Highly tempered spring steel flaps with swing protection
- Support leg
- 2 double acting spool valves required, at least one with float position
- **PTO shaft with hardened inner tube and cap bottom lubrication** – heavy-duty version

Options

- Heavy-duty PTO shaft with 50° wide angle at both ends, **hardened inner tube**
- M-Shackle flails
- Wear insert in housing (factory mounted)
- Second patented removable shredding bar – System: "Shark fin"
- Scraper bar for offset support roller incl. extended side plates for support roller
- Warning signs with LED lighting equipment with turn signal failure indicator and lighting equipment support incl. 5 m cable (fitted)
- Operating hours counter with sensor, time recording using rotation pulse

Technical Data

Model	Working width	Overall width (G)	max. Tractor-HP 540 rpm	Weight	Flails	Min. tractor weight
MU-L/S 200	200 cm	305 cm	130 HP	910 kg	16 pieces	2.800 kg
MU-L/S 220	220 cm	325 cm	130 HP	930 kg	18 pieces	3.200 kg
MU-L/S 250	250 cm	345 cm	130 HP	950 kg	22 pieces	3.500 kg

Multi Purpose Flail Mowers MU-L/S Vario

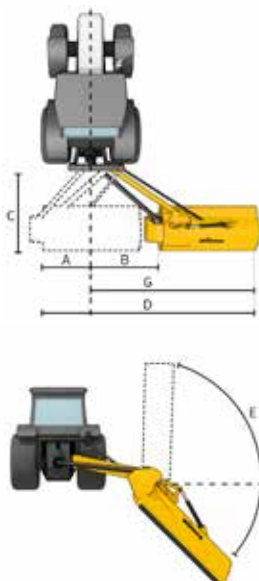


Rear and side multi-purpose Flail Mowers
for tractors from 75 to 130 hp

Order number	Model	Retail price
MU-L/S200-31.1	MU-L/S 200 Vario, automatic collision protection device	13.810,00 €
MU-L/S220-31.1	MU-L/S 220 Vario, automatic collision protection device	13.960,00 €
MU-L/S250-31.1	MU-L/S 250 Vario, automatic collision protection device	14.150,00 €
Options		
GE2504WW	PTO shaft with double wide-angle, Inner tube „Rilsan“ coated - additional charge	1.215,00 €
MU-LZ052	Rotor with M-shackle flails – additional charge only in combination with MU-LZ041.2 (Wear insert in housing)	1.010,00 €
MU-LZ041.2	Wear insert in housing (fitted)	655,00 €
MU-LZ046	Extended side plates incl. scraper bar for positioning the support roller behind the housing, mulch deposited in front of the support roller	705,00 €
MU-LZ016	Second patented removable shredding bar system: „Shark fin“	240,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
Prior freight component		
	MU-L/S 180 – 200	at cost
	MU-L/S 220 – 250	at cost
TPGMUH/S31	Transport frame for MU-L/S Vario	200,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

Working and Shifting Ranges MU-L/S

The stated measurements are approximate and may vary according to different Tractors



Working and adjustment ranges (cm)	200	220	250
A Shifting Range to the Left	70	70	70
B Shifting Range to the Rights	105	105	105
C Transport Length Backwards	250	250	250
D Overall Working Width incl. Machine Width	375	395	425
G Overall width	305	325	345
Working ranges (°)			
E Angular range upwards	90	90	90
F Angular range downwards	60	60	60

Flail Mower details

MU-M/S



Flail Mower details

MU-M/S



Short design for a centre of gravity close to the tractor



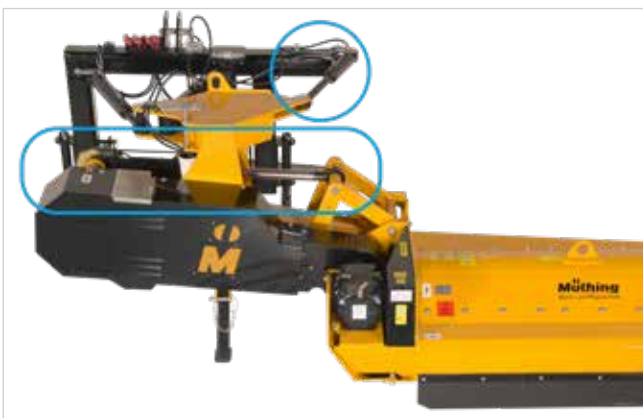
- Hydraulic parallelogram-type side shift
- Adjustment range 45 cm: Inner edge of mulcher from 120 cm to 165 cm outwards from centre of tractor



Sturdy 3-point trestle with Cat. 2 and 3 mounting points



Easily accessible transport safety device



In the event of a problem, the hydraulic non-stop collision protection device swivels the mulcher out of the collision zone effectively.



Trouble-free and low-maintenance operation due to the efficient design of the automatic V-belt tensing system. The easily accessible maintenance flap allows the power belt to be inspected quickly.

Flail Mowers MU-M/S

Verge Mowers for Rear mounting for tractors from 95 to 160 hp



Details MU-M/S page: 96 - 97

Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel with headstock Cat. 2 + 3 for rear mounting
- Hydraulic parallelogram-type side shift
- Adjustment range 45 cm: Inner edge of mulcher from 120 cm to 165 cm outwards from centre of tractor
- Working angle 90° up to 60° down
- Gear box with freewheel in drivetrain for **1000 rpm**
- **Automatic belt tensioning**
- Hydraulic collision protection device and transport lock
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Large support roller (dia. approx. 244 mm) with internal bearing, for height adjustment of mulcher
- Robust Starinth® rear roller bearing system (see page 12)
- Carbide wearing skids, removable
- Highly tempered spring steel flaps with swing protection
- Swinging arm connection of headstock and mulching head together with optimized distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut
- Wear insert in housing (factory mounted)
- 2 double acting spool valves required, at least one with float position
- **PTO shaft with hardened inner tube and cap bottom lubrication**

Options

- **Heavy duty double wide angle P.T.O. shaft with cap bottom lubrication**
- M-Shackle flails
- **Second screw-type short chopping bar system "Shark fin" design – a Müthing patent**
- Scraper bar for offset support roller incl. extended side plates for support roller
- Warning signs with LED lighting equipment with turn signal failure indicator and lighting equipment support incl. 5 m cable (fitted)
- Operating hours counter with sensor, time recording using rotation pulse

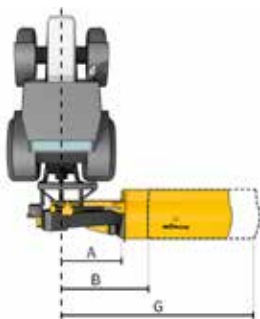
Technical Data

Model	Working width	Overall width (G)	max. Tractor-HP 1,000 rpm	Weight	Flails
MU-M/S 180	180 cm	345 cm	160 HP	1,140 kg	16 pieces
MU-M/S 200	200 cm	365 cm	160 HP	1,210 kg	16 pieces
MU-M/S 220	220 cm	385 cm	160 HP	1,280 kg	18 pieces
MU-M/S 250	250 cm	415 cm	160 HP	1,380 kg	22 pieces

Flail Mowers MU-M/S

Verge Mowers for Rear mounting for tractors from 95 to 160 hp

Order number	Model	Retail price
MU-M/S180-31	MU-M/S 180, rear mounting	19.550,00 €
MU-M/S200-31	MU-M/S 200, rear mounting	20.065,00 €
MU-M/S220-31	MU-M/S 220, rear mounting	20.420,00 €
MU-M/S250-31	MU-M/S 250, rear mounting	21.090,00 €
Options		
GE2502WW	PTO shaft with double wide angle – additional charge	1.175,00 €
MU-LZ052	Rotor with M-shackle flails – additional charge	1.010,00 €
MU-PROZ046	Cleaner cutting edge for displaced support roller MU-M/S	705,00 €
MU-LZ016	Second patented removable shredding bar system: „Shark fin“	240,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
	Prior freight component	at cost
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request



Working and Shifting Ranges MU-M/S

The stated measurements are approximate and may vary according to different Tractors

Working and adjustment ranges (cm)		180	200	220	250
A	Offset Mounting to the Right	120	120	120	120
B	Shifting Range to the Rights	165	165	165	165
G	Maximum Width to the Right	345	365	385	415
Working ranges (°)					
E	Angular range upwards	90	90	90	90
F	Angular range downwards	60	60	60	60

Flail Mowers MU-M/S PLUS Vario

Verge Mowers for Rear mounting
for tractors from 160 to 200 hp



Standard Equipment

- Made of high -strength fine grain steel S700MC for a low weight with extreme strength
- Headstock Cat. 2 + 3 for rear mounting
- Hydraulic parallelogram-type side shift
- Adjustment range 101 cm: Inner edge of mulcher from 73 cm to 174 cm outwards from centre of tractor
- Hydropneumatic support pressure relief and single -lever control for field mode
- Electrical remote control for switching between field mode and ditch applications
- Offset function enables the work on the side next to the tractor at different levels (Max. 1.10 m height difference)
- Hydraulic collision protection device (forward and backward)
- Hydraulic transport lock
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- Highly tempered spring steel flaps with swing protection
- Wear insert in housing (factory mounted)
- Gear box with freewheel for **1000 rpm**
- **Automatic belt tensioning**
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- **Large, patented swivelling support roller** for the option of discharging the mulch either behind or in front of the roller and for adjusting the working height of the mulcher (In the case of mulching blades in front of the roller, the wiper required!)
- Robust Starinth® rear roller bearing system (see page 12)
- **Hardox wear runners with separating effect, screw-type**
- 4 support legs for space-saving storage in the transport position
- 2 double acting spool valves required (at least one with float position), 1 single acting spool valve
- Warning signs with LED lighting equipment with turn signal failure indicator with lighting equipment support (fitted)
- **PTO shaft with hardened inner tube and cap bottom lubrication** – heavy-duty version

Options

- Cleaner cutting edge for displaced support roller
- Additional protection device (rubber protection) for extremely stony conditions
- Heavy-duty PTO shaft with wide angle at both ends, **hardened inner tube**
- **Second screw-type short chopping bar system "Shark fin" design – a Müthing patent**
- Operating hours counter with sensor, time recording using rotation pulse

Flail Mowers MU-M/S PLUS Vario



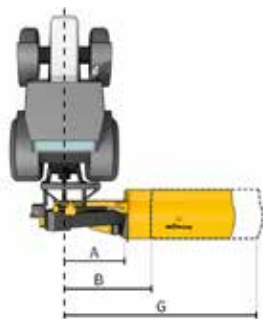
Verge Mowers for Rear mounting
for tractors from 160 to 200 hp

Order number	Model	Retail price
MU-M/SPLUS220	MU-M/S PLUS 220 Vario, rear mounting	24.845,00 €
MU-M/SPLUS250	MU-M/S PLUS 250 Vario, rear mounting	25.145,00 €
MU-M/SPLUS280	MU-M/S PLUS 280 Vario, rear mounting	25.460,00 €
Options		
MU-MZ046.1	Scraper bar for MU-M Vario	705,00 €
MU-XZ032	Additional protection device for extremely stony conditions (Only available as rubber protection!)	1.050,00 €
GE3001WW	PTO shaft with double wide angle – additional charge	1.175,00 €
MU-PROZ016	Second patented removable shredding bar system: „Shark fin“	255,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
	Prior freight component	at cost
	Packaging / palletisation	120,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

Please note: Reduced sales partner discounts, please contact your Müthing contact person before preparing a quotation!

Technical Data

Model	Working width	Overall width (G)	max. Tractor-HP 1,000 rpm	Weight	Flails
MU-M/S Plus 220	220 cm	400 cm	200 HP	1,700 kg	18 pieces
MU-M/S Plus 250	250 cm	430 cm	200 HP	1,800 kg	22 pieces
MU-M/S Plus 280	280 cm	460 cm	200 HP	1,900 kg	24 pieces



Working and Shifting Ranges MU-M/S PLUS

The stated measurements are approximate and may vary according to different Tractors

Working and adjustment ranges (cm)	220	250	280
A Offset Mounting to the Right	73	73	73
B Shifting Range to the Rights	174	174	174
G Maximum Width to the Right	400	430	460
Working ranges (°)			
E Angular range upwards	90	90	90
F Angular range downwards	60	60	60

Flail Mower details

MU-PRO/S Vario



Flail Mower details

MU-PRO/S Vario



- Hydraulic side shift via swivel arm, adjustment range 296 cm
- Total working range up to 546 cm (see drawing / table on page 105)
- Working range from 90° upwards to 60° downwards



- Support legs
- Required hydraulic connections: 2 x DA, of which 1 x DA with float position



Automatic hydraulic collision protection device



Warning signs with lighting equipment and lighting equipment support (fitted)



Additional protection device for extremely stony conditions as protection for tractors and carrier vehicles

Multi-Purpose Flail Mowers MU-PRO/S Vario

Rear and side multi-purpose Flail Mowers
for tractors from 180 to 220 hp



Details MU-PRO/S page: 102 - 103

Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel with headstock Cat. 3 for rear mounting
- **Hydraulic side shift via swivel arm**, adjustment range 296 cm
- Total working range up to 546 cm (see drawing / table)
- Working angle 90° up to 60° down
- Gear box with freewheel for **1000 rpm**
- **Automatic belt tensioning**
- V-belt protection with inspection opening
- Wear insert in housing (factory mounted)
- **Hydraulic collision protection device**
- Transport lock in 90° position with stop valve
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Large, patented support roller for adjusting working height of mulcher, swivelling
- Robust Starinth® rear roller bearing system (see page 12)
- Hardox wear runners with separating effect, screw-type
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- Highly tempered spring steel flaps with swing protection
- Scraper bar for offset support roller
- Support legs
- 2 double acting spool valves required, at least one with float position
- **PTO shaft with hardened inner tube and cap bottom lubrication** – heavy-duty version

Options

- M-Shackle flails
- Second patented removable shredding bar – System: "Shark fin"
- **2Cut double-cut rotor (with 38 M-hammer flails)**
- Additional protection device for extremely stony conditions
- Warning signs with LED lighting equipment with turn signal failure indicator and lighting equipment support incl. 5 m cable (fitted)
- Operating hours counter with sensor, time recording using rotation pulse

Technical Data

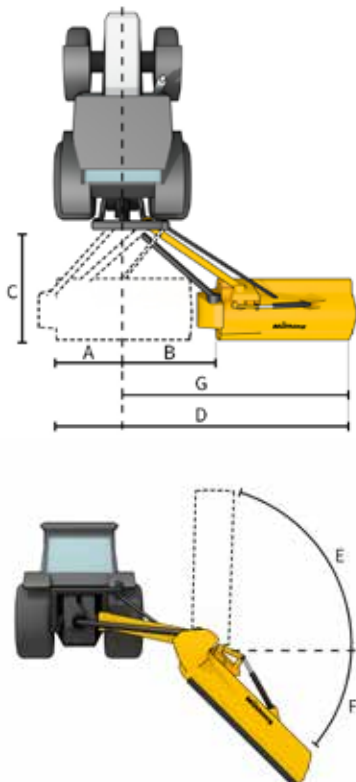
Model	Working width	Overall width (G)	max. Tractor-HP 1,000 rpm	Weight	Flails Serie / 2Cut	Min. tractor weight
MU-PRO/S 250	250 cm	443 cm	220 HP	1,900 kg	22 / 38	7.000 kg

Multi-Purpose Flail Mowers MU-PRO/S Vario



Rear and side multi-purpose Flail Mowers
for tractors from 180 to 220 hp

Order number	Model	Retail price
MU-PRO/S250-41.1	MU-PRO/S 250 Vario, automatic collision protection device	26.970,00 €
Options		
MU-PROZ052-41/250	Rotor with M-shackle flails (CE mark only) – Additional cost (Attention, extended delivery times!)	1.170,00 €
MU-PROZ054-41/250	2Cut double-cut rotor (with 38 M-hammer flails) – Additional cost	1.300,00 €
MU-PROSZ032.1	Additional protection device for extremely stony conditions	1.340,00 €
MU-PROZ016-250	Second patented removable shredding bar system: „Shark fin“	255,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request



Working and Shifting Ranges MU-PRO/S

The stated measurements are approximate and may vary according to different Tractors

Working and adjustment ranges (cm)		250
A	Shifting Range to the Left	103
B	Shifting Range to the Rights	193
C	Transport Length Backwards	370
D	Overall Working Width incl. Machine Width	546
G	Maximum Width to the Right	443
Working ranges (°)		
E	Angular range upwards	90
F	Angular range downwards	60

Flail Mower details

MU-Farmer



Flail Mower details

MU-Farmer



Rolled steel special MU-Farmer® hammer flail, 2.7 kg heavy with 3-year warranty against breakage, for shredding large quantities of organic matter



2 rows of highly tempered spring steel flaps with swing protection

Automatic V-belt tension



- Made of fine-grain QSt/E steel for front and rear mounting, with fixed 3-point trestle, Cat. 1

Wear insert in housing made of Hardox (fitted)

Flail Mowers MU-Farmer® 670

Rear mounting

for tractors from 240 to 300 hp



Details MU-FARMER page: 106 - 107

Standard Equipment

- **Heavy-duty version made of fine-grain QSt/E steel for tractors up to 300 HP for rear mounting with fixed 3-point trestle, Cat. 3, for shredding large quantities of organic matter**
- Quick coupling bar for quick coupling in the transport and work position
- Field chassis with 4 support wheels 10.0/75-15.3 AW, swivelling with mechanical height adjustment
- Lengthways transport device with hydraulic swing-up transport axle with tyres 10.0/75 – 15.3 AW, swing-up drawbar with quick-coupling mounting parts, Cat. 3
- Heavy duty gearbox with integrated over run clutch for 1,000 rpm
- **Automatic belt tensioning**
- Wear insert in Hardox housing (fitted)
- **Rolled special MU-Farmer® hammer flails, 2.7 kg with 3-year warranty against breakage**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- **Second screw-type short chopping bar system "Shark fin" design – a Müthing patent**
- Side wear runners with cutting effect
- 2 rows of highly tempered spring steel flaps with swing protection
- Support legs
- **PTO shaft with hardened inner tube and cap bottom lubrication – heavy-duty version**
- Warning signs with LED lighting equipment with turn signal failure indicator with lighting equipment support (fitted)

Options

- Operating hours counter with sensor, time recording using rotation pulse

Technical Data

Model	Working width	Overall width	max. Tractor-HP 1,000 rpm	Weight	Flails FARMER	Transport width
MU-FARMER 670	670 cm	712 cm	300 HP	4,460 kg	44 pieces	972 cm

Flail Mowers MU-Farmer® 670

Rear mounting

for tractors from 240 to 300 hp



Order number	Model	Retail price
MU-FARMER670-10	MU-FARMER 670 rear mounting with transport axle	58.935,00 €
	Options	
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
MU-MZ070	Quick-hitch adapter, Cat. 3	2.595,00 €
	Technical Inspection Association acceptance for 25 km/h – net	235,00 €
	Prior freight component	at cost
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

*** Please note:**

When ordering please state tractor model together with size and dimension of tractor P.T.O. Dimensions and stub shaft information are to be found on pages 120 and 121.



Flail Mower details

MU-W



- Gear box with freewheel and through-drive for 540 rpm, can be converted to 1000 rpm



Extremely narrow, sloped V-belt protection, reinforced in the contact region, with inspection opening



- All protruding bolts have rounded heads
- Narrow, vertical, side wear runners



Improved steering capability and traction with front mounting thanks to the front shock-absorbing spring assembly (1) and increased lift (2) for the mulcher to cater for tractors with a low Cat. 1 + 2 coupling height (optional for MU-W and MU-O Vario).



Rakes in the housing that run in front of the support roller - mulch discharge behind the support roller



Flail Mower details

MU-O Vario



- Large support roller for adjusting height of mulcher, can be adjusted to the rear and front for rake installation



Hardox wear skids bolt on with guide brackets



Prepared for rake mounting



- Front/rear 3-point headstock Cat. 1 + 2 (laterally adjustable), centre support leg
- Hydraulic side shift (1 x DA required)
MU-O 160 - 250 Vario: 56 cm lift



Robust guide plate for large cutting volumes



Flail Mowers MU-W

Front and Rear mounting for vineyards
for tractors from 35 to 90 hp



Details MU-W page: 110

Standard Equipment

- Made of fine-grain QSt/E steel for front or rear mounting with fixed 3-point trestle, Cat. 1
- Gear box with freewheel and through-drive for **540 rpm**, can be converted to 1000 rpm
- **Extremely slim designed belt protection with tension measuring slot - strengthened to the front**
- All screws at the out-side plate well protected with round heads
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Support roller for adjusting height of mulcher
- Narrow, vertical, side runners
- Hardox wear runners with separating effect, screw-type
- Highly tempered spring steel flaps with swing protection
- **PTO shaft with hardened inner tube and cap bottom lubrication**
- Prepared for rake mounting

Options

- Adjustable 3-point trestle, Cat. 1 + 2, for front or rear mounting
- Front and rear headstock Cat. 1 + 2 shiftable
- Hydraulic side shift (1 double acting spool valve required)
- Wear insert in housing (factory mounted)
- Rakes in the housing that run in front of the support roller
- **Second screw-type short chopping bar system "Shark fin" design – a Müthing patent**
- Warning signs with LED lighting equipment with turn signal failure indicator and lighting equipment support incl. 5 m cable (fitted)
- Operating hours counter with sensor, time recording using rotation pulse

Technical Data

Model	Working width	Overall width	max. Tractor-HP 540 / 1,000 rpm	Weight	Flails
MU-W 100	100 cm	108 cm	75 / 90 HP	320 kg	8 pieces
MU-W 120	120 cm	128 cm	75 / 90 HP	375 kg	10 pieces
MU-W 130	130 cm	138 cm	75 / 90 HP	390 kg	10 pieces
MU-W 140	140 cm	148 cm	75 / 90 HP	405 kg	12 pieces
MU-W 150	150 cm	158 cm	75 / 90 HP	425 kg	12 pieces
MU-W 160	160 cm	168 cm	75 / 90 HP	450 kg	14 pieces
MU-W 180	180 cm	188 cm	75 / 90 HP	490 kg	16 pieces
MU-W 200	200 cm	208 cm	75 / 90 HP	525 kg	16 pieces

Flail Mowers MU-W

Front and Rear mounting for vineyards for tractors from 35 to 90 hp



Order number	Model	Retail price
MU-W100-31.1	MU-W 100 with fixed 3-point trestle	4.650,00 €
MU-W120-31.1	MU-W 120 with fixed 3-point trestle	4.775,00 €
MU-W130-31.1	MU-W 130 with fixed 3-point trestle	4.900,00 €
MU-W140-31.1	MU-W 140 with fixed 3-point trestle	4.980,00 €
MU-W150-31.1	MU-W 150 with fixed 3-point trestle	5.150,00 €
MU-W160-31.1	MU-W 160 with fixed 3-point trestle	5.310,00 €
MU-W180-31.1	MU-W 180 with fixed 3-point trestle	5.470,00 €
MU-W200-31.1	MU-W 200 with fixed 3-point trestle	5.655,00 €
Options		
MU-HZ010.1	3-point trestle of Cat. 1 + 2, not adjustable for front or rear mounting (MU-W 100)	free of charge
MU-HZ011.1	3-point trestle of Cat. 1 + 2, adjustable for front or rear mounting (MU-W 120 – 200) – additional charge	310,00 €
MU-HZ061	Lower link extension suitable for Cat. 1 + 2	290,00 €
MU-LZ012.1	Adjustable front/rear headstock (MU-W 120 – 200) – additional charge	710,00 €
MU-HZ002	Hydraulic side shift (MU-W 140, 150, 180, 200: 40 cm stroke)	395,00 €
MU-HZ003	Hydraulic side shift (MU-W 160: 56 cm stroke)	395,00 €
MU-HZ035	Shock absorbing linkage springs	375,00 €
MU-SOFA	MU-SOFA® weight transfer system, recommended for front-mounted machines. See page 13.	1.120,00 €
MU-XZ020	Assembly of MU-SOFA on mulcher (surcharge)	375,00 €
MU-HZ022	Double free wheel gear box for PTO rotational direction	490,00 €
MU-HZ020	Modification 540 to 1,000 rpm	250,00 €
MU-WZ020	Conversion to 2-groove belt drive	250,00 €
MU-HZ016	Second patented removable shredding bar system: „Shark fin“	190,00 €
MU-HZ041.1	Wear insert in housing (fitted)	520,00 €
MU-HZ040	Beam with rakes	305,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
	Prior freight component	at cost
	Packaging / palletisation	70,00 €
	Freight costs for supplemental delivery of accessories	at cost
	Initial induction	on request

Flail Mowers MU-O Vario

Front and Rear mounting for orchards for tractors from 35 to 130 hp



Details MU-O page: 111

Standard Equipment

- Made of fine-grain QSt/E steel for front or rear mounting with 3-point trestle, Cat. 1 + 2
- Rear mounting with mechanical side shift; MU-O 180 - 250 Vario: 56 cm
- Gear box with freewheel and through-drive for **540 rpm**, can be converted to 1000 rpm
- V-belt protection with inspection opening
- **Highly tempered DURAX M-hammer flails, forged from special steel**
- Smooth-running rotor with specially formed tool holders arranged in a spiral pattern
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Large support roller for adjusting height of mulcher, can be adjusted to the rear and front
- Robust Starinth® rear roller bearing system (see page 12)
- Highly tempered spring steel flaps with swing protection
- Hardox wear runners with separating effect, screw-type, with guide brackets
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- **PTO shaft with hardened inner tube and cap bottom lubrication**
- Prepared for rake mounting

Options

- Front/rear three-point linkage Cat. 1 + 2 (laterally adjustable), centre supporting leg
- Central mounting for MU-O 180 - 250 Vario
- Hydraulic side shift (1 x DA required) MU-O 180 - 250 Vario: 56 cm stroke
- Front shock-absorbing spring assembly **required** for front mounting
- Alternatively we recommend the MU-SOFA® weight transfer system
- Wear insert in housing (fitted)
- Second patented removable shredding bar – System: "Shark fin"
- Rakes in the housing that run in front of the support roller
- **Robust guide plate** for large cutting volumes
- Operating hours counter with sensor, time recording using rotation pulse
- Warning signs with LED lighting equipment with turn signal failure indicator and lighting equipment support incl. 5 m cable (fitted)

Technical Data

Model	Working width	Overall width	max. Tractor-HP 540 / 1,000 rpm	Weight	Flails
MU-O 180	180 cm	197 cm	100 / 130 HP	660 kg	16 pieces
MU-O 200	200 cm	217 cm	100 / 130 HP	690 kg	16 pieces
MU-O 220	220 cm	237 cm	100 / 130 HP	760 kg	18 pieces
MU-O 250	250 cm	267 cm	100 / 130 HP	810 kg	22 pieces

Flail Mowers MU-O Vario

Front and Rear mounting for orchards

for tractors from 35 to 130 hp



Order number	Model	Retail price
MU-O180-31	MU-O 180 Vario with adjustable headstock	7.905,00 €
MU-O180-31-MITTIG	MU-O 180 Vario central mounted headstock	8.145,00 €
MU-O200-31	MU-O 200 Vario with adjustable headstock	8.150,00 €
MU-O200-31-MITTIG	MU-O 200 Vario central mounted headstock	8.385,00 €
MU-O220-31	MU-O 220 Vario with adjustable headstock	8.735,00 €
MU-O250-31	MU-O 250 Vario with adjustable headstock	9.385,00 €
MU-O250-31-MITTIG-1000RPM	MU-O 250 Vario central mounted headstock and rotational speed drive 1,000 rpm	9.615,00 €
Options		
MU-LZ012.1	Front and rear headstock shiftable – additional charge	255,00 €
MU-HZ061	Lower link extension suitable for Cat. 1 + 2	290,00 €
MU-HZ003	Hydraulic side shift, 56 cm stroke	395,00 €
MU-LZ035	Shock-absorbing linkage springs (for front mounting recommended)	375,00 €
MU-SOFA	MU-SOFA® weight transfer system, recommended for front-mounted machines. See page 13.	1.120,00 €
MU-XZ020	Assembly of MU-SOFA on mulcher (surcharge)	375,00 €
MU-LZ022	Double free wheel gear box for PTO rotational direction	670,00 €
MU-HZ020	Modification of rpm / rotation direction	250,00 €
MU-LZ016	Second patented removable shredding bar system: „Shark fin“	240,00 €
MU-LZ041.2	Wear insert in housing (fitted)	655,00 €
MU-OZ040	Beam with rakes	540,00 €
MU-OZ030-160	Guide plate, mounted in fixed position, incl. left support leg (MU-O 160)	705,00 €
MU-OZ030-180	Guide plate, mounted in fixed position, incl. left support leg (MU-O 180)	705,00 €
MU-OZ030	Guide plate incl. left support leg, only in combination with front/rear headstock MU-LZ012.1 (MU-O 200 – 250)	705,00 €
MU-XZ030 LED	Warning signs with LED lighting equipment with turn signal failure indicator for front and rear mounting incl. 5 m cable and lighting equipment support fitted	880,00 €
MU-XZ040	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
Prior freight component		
	MU-O 180 – 200	at cost
	MU-O 220 – 250	at cost
Packaging / palletisation		
		70,00 €
Freight costs for supplemental delivery of accessories		
		at cost
Initial induction		
		on request

Flails and Shackles

See page 11 for details

For all models MU-H to MU-PRO



M Hammer Flail



M Shackle Flail



3 back to back Flails

Order number	Model	Retail price
	M Hammer Flail	
MU000306	Original DuraX M-hammer flail (repl.2405003055)	15,55 €
MU980416	Bolt with nut (repl. 2404004048)	3,95 €
	Total price	19,50 €
	M Shackle Flail	
MU000449	Original M Shackle Flail	6,25 €
MU000560	Müthing – Spacer	2,20 €
MU000507	Müthing – Twisted shackle	6,00 €
MU980509	Bolt with nut	3,95 €
	Total price	18,40 €
	M-triple Y-blades	
MU000557	2 x M back to back Blades outside, long	10,60 €
MU000558	1 x M back to back Blade inside, short	6,45 €
MU000559	Müthing – Spacer(repl. 2100023199)	3,45 €
MU980416	Bolt with nut	3,95 €
	Total price	24,45 €

For all models MU-Farmer



M Hammer Flail Farmer

	M Hammer Flail Farmer	
MAG00350-A	M Hammer Farmer 3 years guarantee against break of M Hammer	37,05 €
MAG00353	Bolt with nut	14,15 €
	Total price	51,20 €

Flails and Shackles

See page 11 for details

For all models MU-C to MU-E



M Scoop Flail



M Carbide Shackle Flail



Scarifying blade

Order number	Model	Retail price
M Scoop Flail for MU-C + MU-FM + MU-C/S + MU-FM Hydro		
MU1	Original M Scoop Flail C+FM	10,85 €
MU3	2 x Spacer	2,60 €
MU0801041	Bolt with nut (Nut: MU980201)	1,85 €
	Total price	15,30 €
M Carbide Shackle Flail for MU-C + MU-FM + MU-C/S + MU-FM Hydro		
MU50	Original M Carbide Shackle Flail short	14,75 €
MU0801031	Original M Shackle short	4,40 €
MU0801041	Bolt with nut (Nut: MU980201)	1,85 €
	Total price	21,00 €
M Carbide-Shackle Flail for MU-E + MU-E/S + MU-E/Hydro		
MU4	Original M Carbide Shackle Flail long	16,60 €
MU1101011	Original M Shackle long	5,10 €
MU0801041	Bolt with nut (Nut: MU980201)	1,85 €
	Total price	23,55 €
M Carbide-Shackle Flail for MU-E Vario + MU-E/Hydro Vario		
MU4	Original M Carbide Shackle Flail long	16,60 €
MU0801031	Original M Shackle short	4,40 €
MU0801041	Bolt with nut (Nut: MU980201)	1,85 €
	Total price	22,85 €
Scarifying blade for MU-Collect		
00018897	2x Original M-Scarifying blade	8,50 €
00018894	Spacer	2,45 €
00018895	2 x Spacer	3,90 €
MU0801041	Bolt with nut (Nut: MU980201)	1,85 €
	Total price	16,70 €

Wearing Spare Parts

Order number	Model	Retail price
Müthing V-belt		
00001077	Suitable for MU-B	27,55 €
00005573	Suitable for MU-C Rear YoM 2010-	33,70 €
MU0501995	Suitable for MU-C Front	14,55 €
MU0099934	Suitable for MU-E Front and Rear	25,25 €
MU2221510	Suitable for MU-FM	22,00 €
MU980827	Suitable for MU-H and MU-ECOTOP	33,70 €
MU980804	Suitable for MU-H/FS; MU-H/S; MU-L; MU-L/S; MU-M/S	33,80 €
MU981824	Suitable for MU-M-41	36,50 €
MU981838	Suitable for MU-PRO-41	39,25 €
MU980859	Suitable for MU-FARMER/S	43,90 €
MU981818	Suitable for MU-FARMER 280-330 Rear	45,35 €
MU981819	Suitable for MU-FARMER 280 Front	42,05 €

Müthing universal protective rubber

PO.100	Landscaping implements / small implements (goods sold by the meter) 114 x 6 x 1,000 mm with 2 fabric inlays	17,75 €
PO.300	Complete model series from MU-E (goods sold by the meter) 200 x 6 x 1,000 mm with 2 fabric inlays	23,00 €

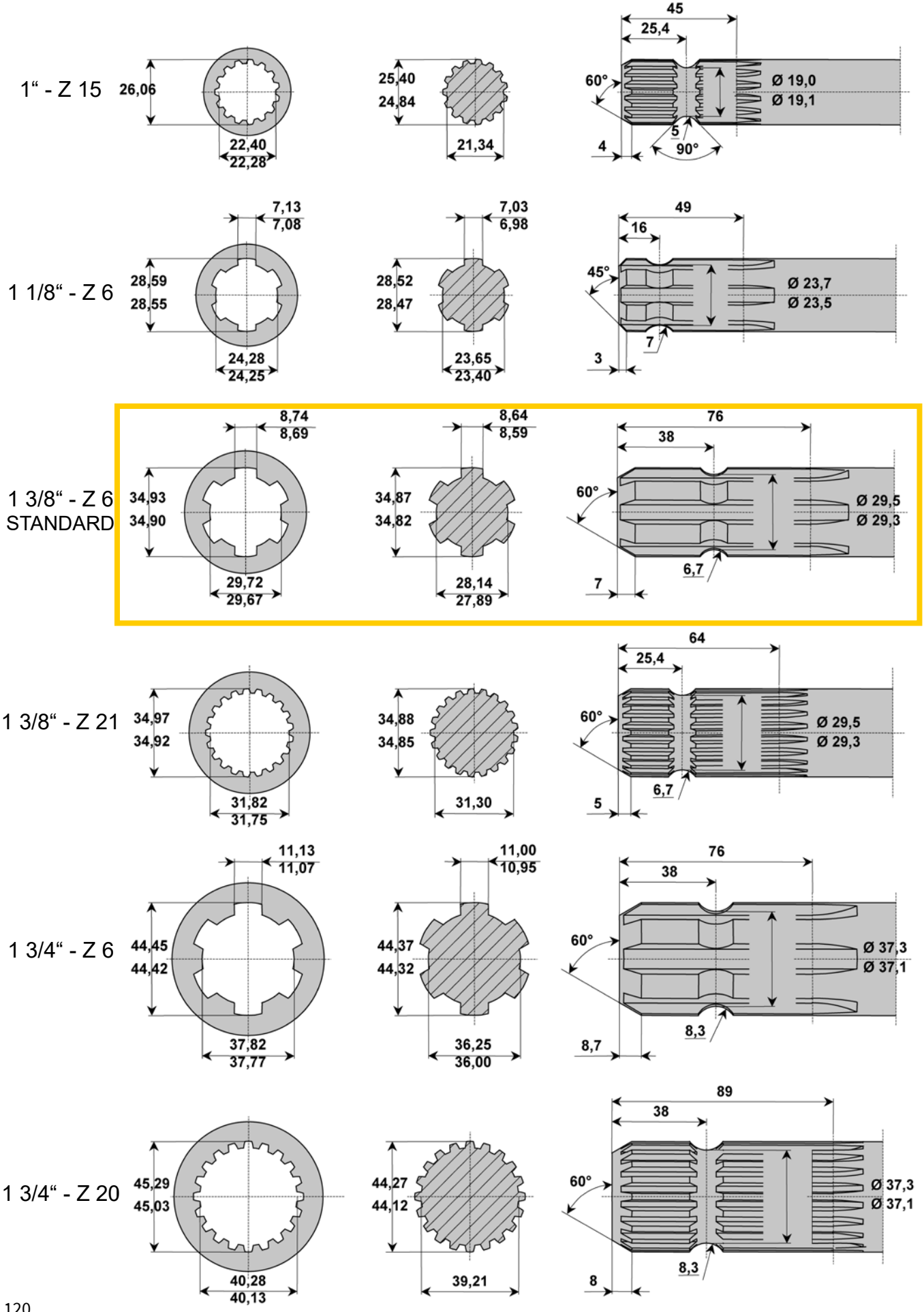
www.shop.muething.com

Contact details for our spare parts store

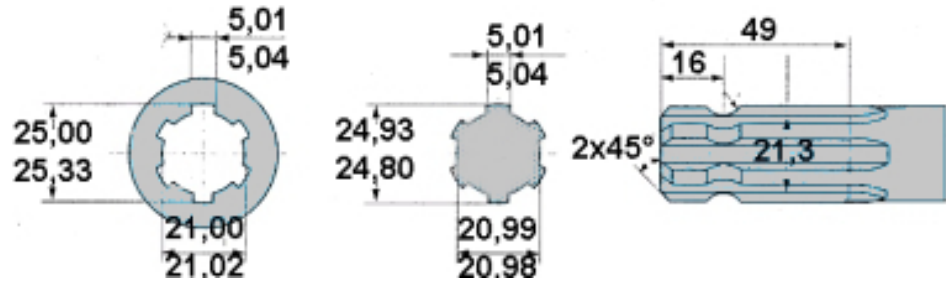
E-Mail	Telefon
Soest et-so@muething.com	+49 (0) 2921 / 96 51 23
Landau et-ld@muething.com	+49 (0) 99 51 / 69 08 20
Neumarkt et-nm@muething.com	+49 (0) 91 81 / 29 76 20
Uffenheim et-uff@muething.com	+49 (0) 98 42 / 98 66 22



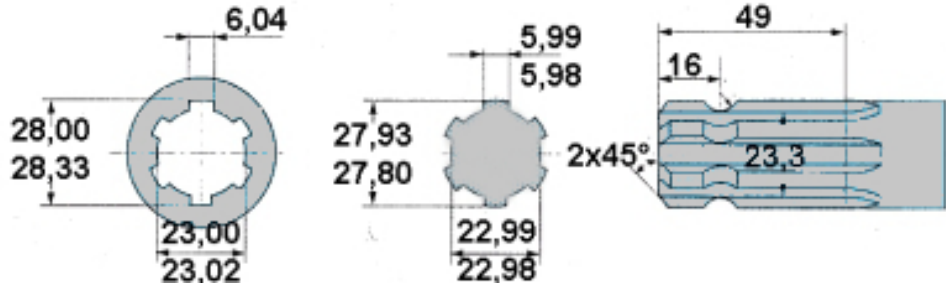
P.T.O. Profiles



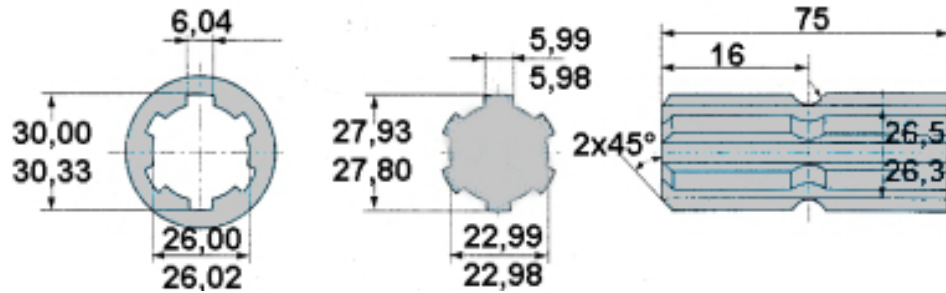
21 UNI 221
21 x 25 x 6



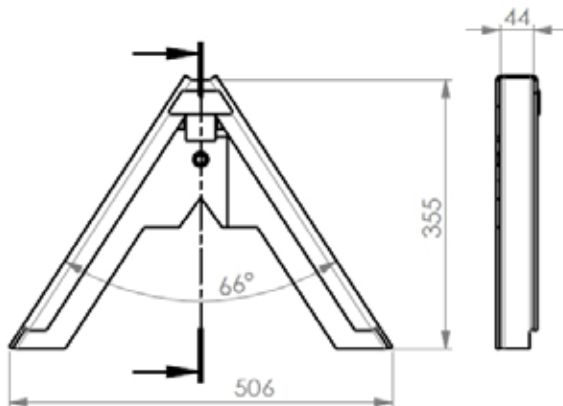
23 UNI 221
23 x 28 x 6



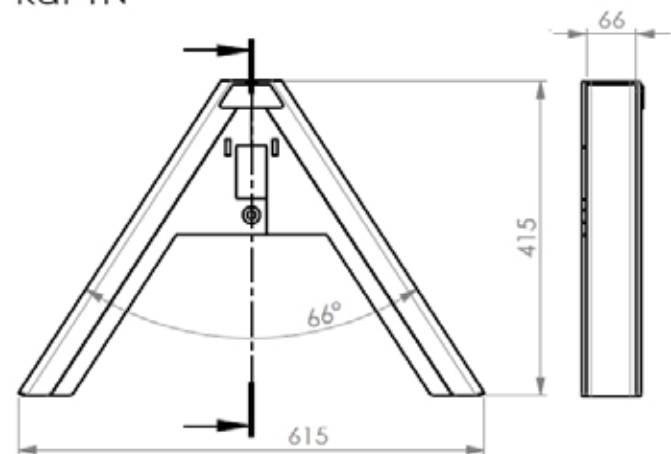
26 UNI 220
26 x 30 x 6



Kat 0

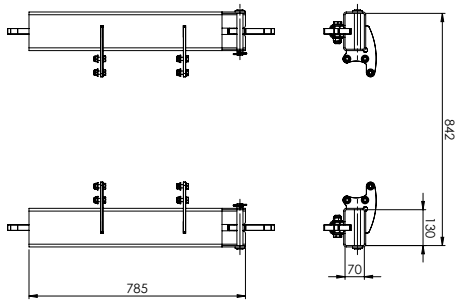


Kat 1N

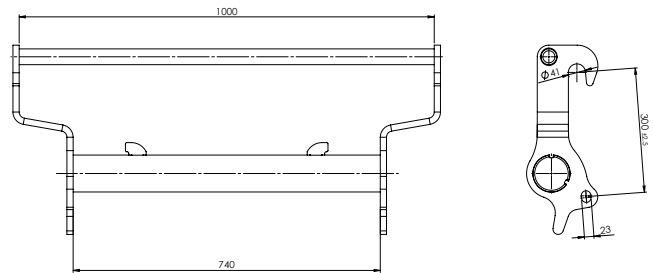


Adapter plates to MU-CONNECT

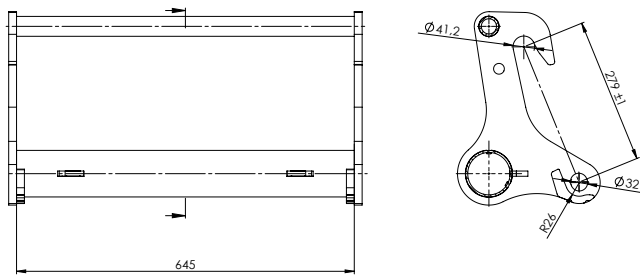
Adapter plates to MU-CONNECT 200 (examples)



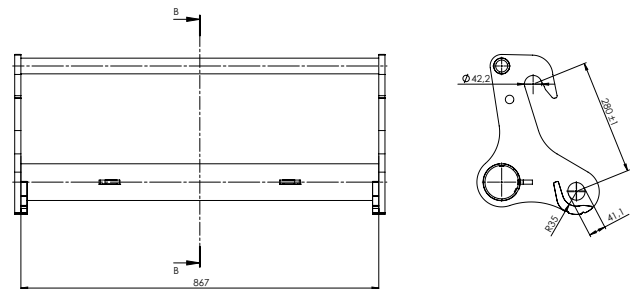
Adapter plate for pallet fork
Order no.: MU-EZ070.1 PALETTE



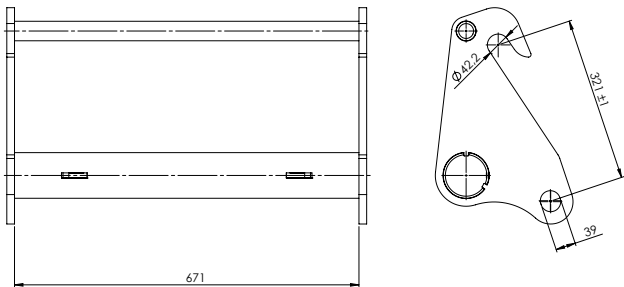
Adapter plate for loader
with EURO-3 mount
Order no.: MU-EZ070.1 EURO3



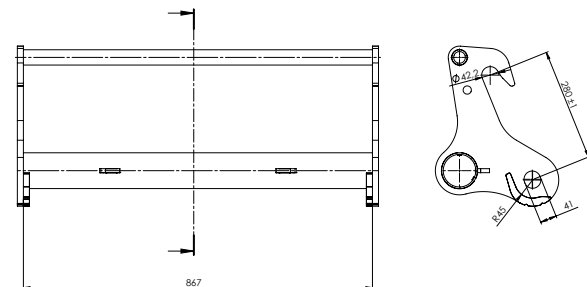
Adapter plate for SCHÄFFER loader
with SWH holder
Order no.: MU-EZ070.1 SCHÄFFER SWH



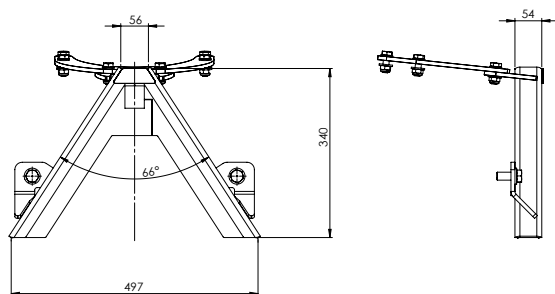
Adapter plate for SCHÄFFER loader
with KR holder
Order no.: MU-EZ070.1 SCHÄFFER KR



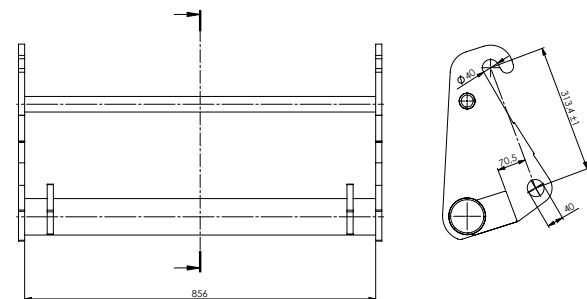
Adapter plate for WEIDEMANN loader
with hydraulic lock
Order no.: MU-EZ070.1 WEIDEMANN



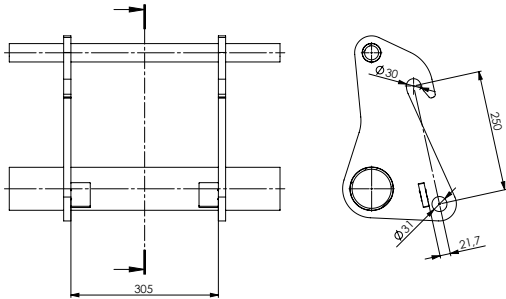
Adapter plate for KRAMER loader
Order no.: MU-EZ070.1 KRAMER



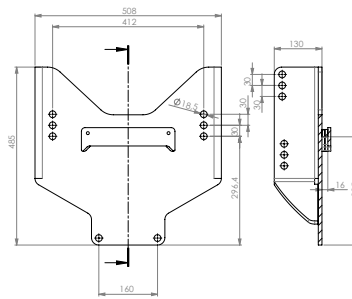
Adapter plate
for Cat. 0 coupling triangle
Order no.: MU-EZ070.1 KAT 0



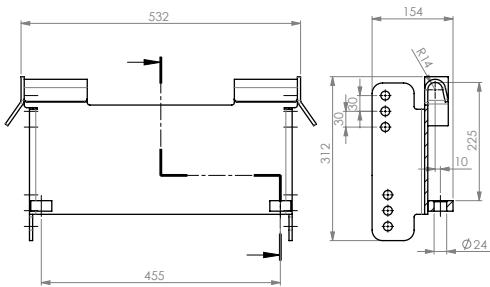
Adapter plate for LIEBHERR loader,
CLAAS Torion, KUBOTA
Order no.: MU-EZ070.1 CLAAS



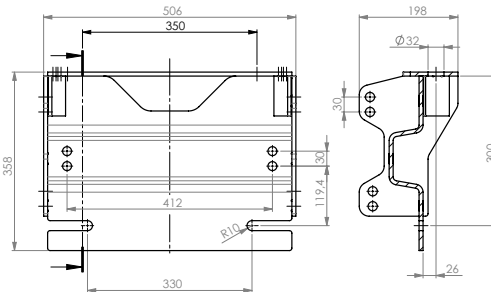
Adapter plate for KRAMER loader,
narrow, hook 355 mm
Order no.: MU-EZ070.1 KRAMER schmal



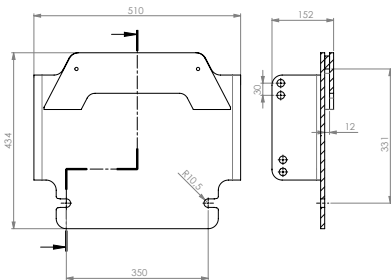
Adapter plate for LADOG
Order no.: MU-EZ070.1 LADOG



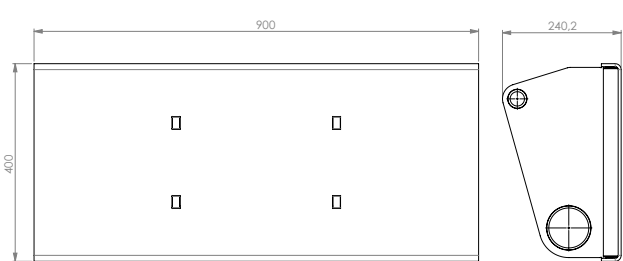
Adapter plate for MULTIONE
Order no.: MU-EZ070.1 MULTIONE



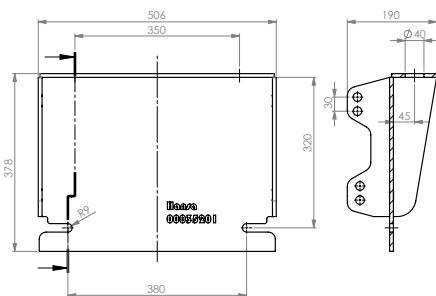
Adapter plate for MULTICAR M27 Fumo
Order no.: MU-EZ070.1 FUMO



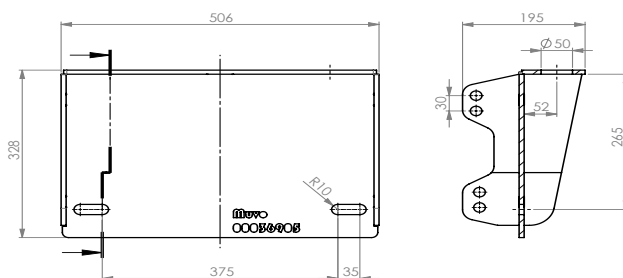
Adapter plate for MULTICAR M29 Tremo
Order no.: MU-EZ070.1 TREMO



Universal adapter plate
Order no.: MU-EZ070.1 Universal



Adapter plate for HANSA
Order no.: MU-EZ070.1 HANSA



Adapter plate for HOLDER Muvo
Order no.: MU-EZ070.1 HOLDER

Check list Datasheet small tractors

Name _____

Address _____

Tel. _____

Fax _____

Tractor-Model: _____


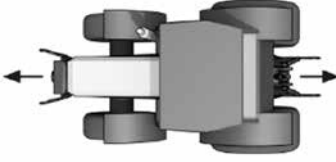

Date: _____

Sign: _____

to: _____

Year: _____

Rotation of P.T.O. seen from behind
(please mark)

right	<input type="checkbox"/>				<input type="checkbox"/>	right
left	<input type="checkbox"/>				<input type="checkbox"/>	left
Rear	<input type="checkbox"/>		<input type="checkbox"/>	Front	<input type="checkbox"/>	Rear pushed
Cat. 1	<input type="checkbox"/>		<input type="checkbox"/>	Cat. 2	<input type="checkbox"/>	Cat. 3

P.T.O. rotation: _____ R.P.M.

Profile and width of the P.T.O. (page 124 - 125): _____

Height of P.T.O. (centre from ground) _____ cm

Distance of P.T.O. to the centre
of lower linkage arms of the tractor _____ cm

When front
mounted:

Maximum Front-Axle weight: _____ kg

When front
mounted:

Lifting capacity of front hydraulic _____ kg

Check list for MU-Hydro Mulching Systems



Name _____

Address _____

Date: _____

Tel. _____

Sign: _____

Fax _____

to: _____

Vehicle Make _____

Year: _____

Vehicle Type _____

Assembly situation _____

Datas of the hydraulic system:

Volume flow max (hydraulic power): _____ l/min

maximum pressure: _____ bar

Backlog pressure (pressure less return flow): _____ bar

Backlog pressure (overflow oil line): _____ bar

Calculation of the hydraulic power:

$$P \text{ (kw)} = \frac{(\text{Volume flow max} * 150 \text{ bar})}{600}$$

Forerun clutch _____

Return clutch _____

Leakage oil clutch _____

For Front Mounting:

Maximum Front-Axle weight: _____ kg

Lifting capacity of front hydraulic: _____ kg



Overview of technical data

MU-B, MU-C, MU-C Hydro, MU-Ökotop

		MU-B	MU-C Front	MU-C Rear	MU-C Hydro	MU-ÖKOTOP
Dimensions and weights						
Working width	cm	80 100 120 140	100 120 140 160	80 100 120 140 160	120 140 160	140 160
Transport width	cm	97 117 137 157	124 144 164 184	104 124 144 164 184	144 164 184	165 185
Transport length / depth	cm	85	85	85	85	95
Transport height	cm	38	72	72	72	46
Weight	kg	120 137 154 171	145 151 159 175	154 169 185 200 215	138 146 154	236 283
Driving power						
Power demand* from - to	hp	15 - 25	15 - 35	15 - 35	-	20 - 40
Power demand of hydraulic motor from - to	l/min	-	-	-	35 - 55	-
Power take-off shaft speed*	rpm	n.s.	540 / 1000	540 / 1000	-	2200
Freewheel		Integrated overrun brake	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double freewheel		-	-	-	-	-
Number of V-belts		2	2	2	2	2
Mounting						
Front		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rear		-	<input type="checkbox"/>	<input type="checkbox"/>	-	-
Front-Rear		-	-	-	-	-
Lower-link extensions		-	-	-	-	-
Quick-coupling triangle for Front mounting		-	<input type="checkbox"/> Cat. 0	<input type="checkbox"/> Cat. 0	<input type="checkbox"/> Cat. 1	<input type="checkbox"/> Cat. 0 / 1N
Minimum tractor weight	kg	-	-	-	-	-
Mechanical side shift	cm	-	-	<input checked="" type="checkbox"/>	-	-
Hydraulic side shift	cm	-	-	<input checked="" type="checkbox"/>	-	-
Control units		-	-	-	-	-
Working/adjustment ranges						
A Adjustment range to left / A Side mounting to right“	cm	-	-	-	-	-
B Adjustment range to right	cm	-	-	-	-	-
C Transport length to rear / C Total width to right „	cm	-	-	-	-	-
D Total working range incl. equipment width	cm	-	-	-	-	-
E Angular range upwards	°	-	-	-	-	-
F Angular range downwards	°	-	-	-	-	-

		MU-B	MU-C Front	MU-C Rear	MU-C Hydro	MU-ÖKOTOP
Working width	cm	80 100 120 140	100 120 140 160	80 100 120 140 160	120 140 160	140 160
Rotor						
Diameter	cm	11	11	11	11	11
Effective diameter	cm	31	31	31	31	31
Number of tools (provided as standard)		12 16 20 24	16 20 24 28	12 16 20 24 28	20 24 28	24 28
Farmer hammer flail		-	-	-	-	-
M-hammer flail		-	-	-	-	-
M-shackle flail		-	-	-	-	-
Carbide M-shackle flail		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Triple Y-blade		-	-	-	-	-
M-scoop blade		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Y-blade		<input type="checkbox"/>	-	-	-	<input checked="" type="checkbox"/>
Scarifying blade		-	-	-	-	<input type="checkbox"/>
Depth control						
Support roller		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Front/rear position		Fixed	Fixed	Fixed	Fixed	Fixed
Support wheels		-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Housing						
Wear insert		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hardox wear runners		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vario cutting bar		-	-	-	-	-
Short chopping bar (shark fin)		-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Second short chopping bar (shark fin)		-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chopped-wood rakes		-	-	-	-	-
Optional equipment						
Front shock-absorbing spring assembly		-	-	-	-	-
weight transfer system MU-SOFA®		-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Crop deflector plate		-	-	-	-	-
Warning signs with LED lighting equipment		-	-	-	-	-
Operating hours counter		-	-	-	-	-

* Some model series can be converted from 540 rpm to 1000 rpm (or higher), which makes higher driving powers permissible - in these cases you will see two horsepower values.

Overview of technical data

MU-FM, MU-FM Hydro, MU-COLLECT, MU-E, MU-E Hydro Connect

		MU-FM	MU-FM Hydro	MU-COLLECT Vario	MU-E Vario	MU-E Hydro Vario Connect
Dimensions and weights						
Working width	cm	120 140 160	120 140 160	140 160	120 140 160 180 200	140 160 180 200
Transport width	cm	145 165 185	145 165 185	162 182	135 155 175 195 215	155 175 195 215
Transport length / depth	cm	95	95	42	115	115
Transport height	cm	46	46	100	97	97
Weight	kg	206 229 252	201 217 232	223 244	280 300 330 360 390	280 310 340 370
Driving power						
Power demand* from - to	hp	20 - 40	-	20 - 40	25 - 50 / 60	-
Power demand of hydraulic motor from - to	l/min	-	35 - 70	-	-	50 - 90
Power take-off shaft speed*	rpm	2200	-	1000 / 2000	Front mounting: 1000 / 2000 Rear mounting: 540 / 1000	-
Freewheel		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double freewheel		-	-	-	-	-
Number of V-belts		2	2	2	2	2
Mounting						
Front		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rear		-	-	-	<input type="checkbox"/>	-
Front-Rear		-	-	-	-	-
Lower-link extensions		-	-	-	-	-
Quick-coupling triangle for Front mounting		<input type="checkbox"/> Cat. 0 / 1N	<input type="checkbox"/> Cat. 0 / 1N	<input type="checkbox"/> Cat. 0 / 1N	<input type="checkbox"/> Cat. 0 / 1N	<input type="checkbox"/> Cat. 0
Minimum tractor weight	kg	-	-	-	-	-
Mechanical side shift	cm	-	-	-	20 20 25 25 25	20 25 25 25
Hydraulic side shift	cm	-	-	-	26 (15 with quick-coupling triangle)	15 26 26 26
Control units		-	-	-	min. 1 DA	min. 1 DA
Working/adjustment ranges						
A Adjustment range to left / A Side mounting to right“	cm	-	-	-	n.s.	n.s.
B Adjustment range to right	cm	-	-	-	n.s.	n.s.
C Transport length to rear / C Total width to right „	cm	-	-	-	n.s.	n.s.
D Total working range incl. equipment width	cm	-	-	-	n.s.	n.s.
E Angular range upwards	°	-	-	-	-	-
F Angular range downwards	°	-	-	-	-	-

		MU-FM	MU-FM Hydro	MU-COLLECT Vario	MU-E Vario	MU-E Hydro Vario Connect
Working width	cm	120 140 160	120 140 160	140 160	120 140 160 180 200	140 160 180 200
Rotor						
Diameter	cm	11	11	11	13	13
Effective diameter	cm	31	31	31	36	36
Number of tools (provided as standard)		20 24 28	20 24 28	24 28	20 24 28 32 36	24 28 32 36
Farmer hammer flail		-	-	-	-	-
M-hammer flail		-	-	-	-	-
M-shackle flail		-	-	-	-	-
Carbide M-shackle flail		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Triple Y-blade		-	-	-	-	-
M-scoop blade		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-
Y-blade		-	-	-	-	-
Scarifying blade		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-
Depth control						
Support roller		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Front/rear position		Fixed	Fixed	Fixed	Fixed	Fixed
Support wheels		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Housing						
Wear insert		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hardox wear runners		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vario cutting bar		-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Short chopping bar (shark fin)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Second short chopping bar (shark fin)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chopped-wood rakes		-	-	-	-	-
Optional equipment						
Front shock-absorbing spring assembly		-	-	-	-	-
weight transfer system MU-SOFA®		<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>
Crop deflector plate		-	-	<input checked="" type="checkbox"/>	-	-
Warning signs with LED lighting equipment		-	-	-	<input type="checkbox"/>	<input type="checkbox"/>
Operating hours counter		-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* Some model series can be converted from 540 rpm to 1000 rpm (or higher), which makes higher driving powers permissible - in these cases you will see two horsepower values.

Overview of technical data

MU-E/F Trail, MU-ECOTOP, MU-H, MU-L, MU-M

		MU-E/F Trail Vario	MU-ECOTOP	MU-H Vario	MU-L Vario	MU-M Vario
Dimensions and weights						
Working width	cm	360 460 560	160 180 200	120 140 150 160 180 200 220	180 200 220 250 280	220 250 280 300
Transport width	cm	210 230 240	177 197 217	137 157 167 177 197 217 237	197 217 237 267 297	240 270 300 320
Transport length / depth	cm	460	100	101	120	126 / 136
Transport height	cm	195 245 295	123	147	155	157
Weight	kg	1950 2150 2350	352 372 390	380 465 480 500 535 555 635	640 670 740 790 885	905 975 1010 1085
Driving power						
Power demand* from - to	hp	60 - 130 / 180 70 - 130 / 180 80 - 130 / 180	30 - 60 / 75	35 - 75 / 90	45 - 100 / 130	75 - 160
Power demand of hydraulic motor from - to	l/min	-	-	-	-	-
Power take-off shaft speed*	rpm	540 / 1000	540 / 1000	540 / 1000	540 / 1000	1000
Freewheel		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double freewheel		-	-	<input type="checkbox"/>	<input type="checkbox"/>	-
Number of V-belts		2 (Individual mulcher)	3	3	4	4
Mounting						
Front		-	-	<input type="checkbox"/>	<input type="checkbox"/>	-
Rear		<input checked="" type="checkbox"/>	Cat. 1 + 2	<input type="checkbox"/>	<input type="checkbox"/>	-
Front-Rear		-	-	Cat. 1 + 2	Cat. 1 + 2	Cat. 2
Lower-link extensions		-	-	<input type="checkbox"/>	-	-
Quick-coupling triangle for Front mounting		-	-	-	-	-
Minimum tractor weight	kg	1500 1700 1900	-	-	-	-
Mechanical side shift	cm	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-
Hydraulic side shift	cm	-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Control units		min. 2 DA	-	min. 1 DA	min. 1 DA	min. 1 DA
Working/adjustment ranges						
A Adjustment range to left / A Side mounting to right“	cm	n.s.	-	n.s.	n.s.	n.s.
B Adjustment range to right	cm	n.s.	-	n.s.	n.s.	n.s.
C Transport length to rear / C Total width to right „	cm	n.s.	-	n.s.	n.s.	n.s.
D Total working range incl. equipment width	cm	n.s.	-	n.s.	n.s.	n.s.
E Angular range upwards	°	-	-	-	-	-
F Angular range downwards	°	-	-	-	-	-

		MU-E/F Trail Vario	MU-ECOTOP	MU-H Vario	MU-L Vario	MU-M Vario
Working width	cm	360 460 560	160 180 200	120 140 150 160 180 200 220	180 200 220 250 280	220 250 280 300
Rotor						
Diameter	cm	13 (Einzelnes Mulchgerät)	14 14 14	14 14 14 14 14 14 16	16 16 16 16 18	17 17 17 19
Effective diameter	cm	36 (Einzelnes Mulchgerät)	40 40 40	40 40 40 40 40 40 42	42 42 42 42 44	44 44 44 45
Number of tools (provided as standard)		68 88 108	14 16 16	10 12 12 14 16 16 18	16 16 18 22 24	18 22 24 26
Farmer hammer flail		-	-	-	-	-
M-hammer flail		-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
M-shackle flail		-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Carbide M-shackle flail		<input checked="" type="checkbox"/>	-	-	-	-
Triple Y-blade		-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
M-scoop blade		-	-	-	-	-
Y-blade		-	-	-	-	-
Scarifying blade		-	-	-	-	-
Depth control						
Support roller		<input checked="" type="checkbox"/> additional landing gear	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Front/rear position		Fixed	Fixed	Fixed	Adjustable	Adjustable
Support wheels		-	-	-	-	-
Housing						
Wear insert		<input checked="" type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hardox wear runners		<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vario cutting bar		<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Short chopping bar (shark fin)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Second short chopping bar (shark fin)		<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chopped-wood rakes		-	-	-	-	-
Optional equipment						
Front shock-absorbing spring assembly		-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
weight transfer system MU-SOFA®		<input checked="" type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Crop deflector plate		-	-	-	-	-
Warning signs with LED lighting equipment		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operating hours counter		<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* Some model series can be converted from 540 rpm to 1000 rpm (or higher), which makes higher driving powers permissible - in these cases you will see two horsepower values.

Overview of technical data

MU-VarioShark, MU-F/F, MU-PRO, CoverSeeder

		MU-VarioShark	MU-M/F Vario	MU-PRO Vario	CoverSeeder
Dimensions and weights					
Working width	cm	280 300	600	250 280 300 320	280
Transport width	cm	300 320	285	270 300 320 340	300
Transport length / depth	cm	126 / 136	235	135 / 145	135 / 145
Transport height	cm	157	325	164	164
Weight	kg	1112 1193	2.700	1330 1400 1460 1500	2230
Driving power					
Power demand* from - to	hp	95 - 200	130 - 300	95 - 250	130 - 250
Power demand of hydraulic motor from - to	l/min	-	-	-	-
Power take-off shaft speed*	rpm	1000	1000	1000	1000
Freewheel		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double freewheel		-	-	-	-
Number of V-belts		4	5	5	5
Mounting					
Front		-	-	-	-
Rear		-	Cat. 2 + 3	-	-
Front-Rear		Cat. 2	-	Cat. 2 + 3	Cat. 2 + 3
Lower-link extensions		-	-	-	-
Quick-coupling triangle for Front mounting		-	-	-	-
Minimum tractor weight	kg	-	-	-	-
Mechanical side shift	cm	-	-	-	-
Hydraulic side shift	cm	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Control units		min. 1 DA	min. 2 SA	min. 1 DA	min. 1 DA
Working/adjustment ranges					
A Adjustment range to left / A Side mounting to right“	cm	n.s.	-	n.s.	n.s.
B Adjustment range to right	cm	n.s.	-	n.s.	n.s.
C Transport length to rear / C Total width to right „	cm	n.s.	-	n.s.	n.s.
D Total working range incl. equipment width	cm	n.s.	-	n.s.	n.s.
E Angular range upwards	°	-	-	-	-
F Angular range downwards	°	-	-	-	-

		MU-VarioShark	MU-M/F Vario	MU-PRO Vario	CoverSeeder
Working width	cm	280 300	600	250 280 300 320	280
Rotor					
Diameter	cm	17 19	20	20	20
Effective diameter	cm	44 45	47	47	47
Number of tools (provided as standard)		24 26	52 (2Cut: 96)	22 24 26 28 (2Cut: 38 42 46 48)	24 (2Cut: 42)
Farmer hammer flail		-	-	-	-
M-hammer flail		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
M-shackle flail		<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>
Carbide M-shackle flail		-	-	-	-
Triple Y-blade		<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>
M-scoop blade		-	-	-	-
Y-blade		-	-	-	-
Scarifying blade		-	-	-	-
Depth control					
Support roller		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Front/rear position		Adjustable	Adjustable	Swivelling	Swivelling
Support wheels		-	<input type="checkbox"/>	-	-
Housing					
Wear insert		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hardox wear runners		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vario cutting bar		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Short chopping bar (shark fin)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Second short chopping bar (shark fin)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chopped-wood rakes		-	-	-	-
Optional equipment					
Front shock-absorbing spring assembly		<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>
weight transfer system MU-SOFA®		<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>
Crop deflector plate		-	-	-	-
Warning signs with LED lighting equipment		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operating hours counter		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* Some model series can be converted from 540 rpm to 1000 rpm (or higher), which makes higher driving powers permissible - in these cases you will see two horsepower values.

Overview of technical data

MU-PRO/F, MU-PRO/F Trail, MU-Farmer 670, MU-FM/S, MU-H/S

		MU-PRO/F Vario	MU-PRO/F Trail Vario	MU-Farmer® 670	MU-FM/S	MU-H/S Vario
Dimensions and weights						
Working width	cm	860	860	670	120 140 160	140 160 180 200
Transport width	cm	285	285	238	90° / 0° 136 / 213	90° = 160 0° = 195 215 235 255
Transport length / depth	cm	171	630	972	156	215
Transport height	cm	355		170	90° / 0° 136 / 213	90° = 195 215 235 255 0° = 115
Weight	kg	3600	6500	4.460	340 353 370	650 660 690 720
Driving power						
Power demand* from - to	hp	200 - 400	200 - 500	240 - 300	30 - 45	55 - 90
Power demand of hydraulic motor from - to	l/min	-	-	-	-	-
Power take-off shaft speed*	rpm	1000	1000	1000	540	540
Freewheel		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double freewheel		-	-	-	-	-
Number of V-belts		10	10	10	2	4
Mounting						
Front		-	-	-	-	-
Rear		Cat. 3 + 4	K 80	Cat. 3	<input checked="" type="checkbox"/>	Cat. 2
Front-Rear		-	-	-	-	-
Lower-link extensions		-	-	-	-	-
Quick-coupling triangle for Front mounting		-	-	-	-	-
Minimum tractor weight	kg	-	-	-	1000 1100 1200	1800 2000 2200 2400
Mechanical side shift	cm	-	-	-	-	-
Hydraulic side shift	cm	-	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Control units		min. 2 DA	min 3 DA	-	min. 2 DA	min. 2 DA
Working/adjustment ranges						
A Adjustment range to left / A Side mounting to right“	cm	-	-	-	29	55
B Adjustment range to right	cm	-	-	-	83	100
C Transport length to rear / C Total width to right „	cm	-	-	-	160	225
D Total working range incl. equipment width	cm	-	-	-	232 252 272	295 315 335 355
E Angular range upwards	°	-	-	-	90	90
F Angular range downwards	°	-	-	-	60	60

		MU-PRO/F Vario	MU-PRO/F Trail Vario	MU-Farmer® 670	MU-FM/S	MU-H/S Vario
Working width	cm	860	860	670	120 140 160	140 160 180 200
Rotor						
Diameter	cm	20	20	27	11	14
Effective diameter	cm	47	47	69	31	40
Number of tools (provided as standard)		56 (2Cut: 96)	56 + 24 = 80 (2Cut: 96 + 42 = 138)	44	20 24 28	12 14 16 16
Farmer hammer flail		-	-	<input checked="" type="checkbox"/>	-	-
M-hammer flail		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>
M-shackle flail		-	-	-	-	<input type="checkbox"/>
Carbide M-shackle flail		-	-	-	<input checked="" type="checkbox"/>	-
Triple Y-blade		-	-	-	-	<input type="checkbox"/>
M-scoop blade		-	-	-	<input type="checkbox"/>	-
Y-blade		-	-	-	-	-
Scarifying blade		-	-	-	-	-
Depth control						
Support roller		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Front/rear position		Swivelling	Swivelling	-	Fixed	Fixed
Support wheels		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	-
Housing						
Wear insert		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hardox wear runners		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vario cutting bar		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>
Short chopping bar (shark fin)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Second short chopping bar (shark fin)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chopped-wood rakes		-	-	-	-	-
Optional equipment						
Front shock-absorbing spring assembly		-	-	-	-	-
weight transfer system MU-SOFA®		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-
Crop deflector plate		-	-	-	-	-
Warning signs with LED lighting equipment		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operating hours counter		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* Some model series can be converted from 540 rpm to 1000 rpm (or higher), which makes higher driving powers permissible - in these cases you will see two horsepower values.

Overview of technical data

MU-L/S, MU-PRO/S, MU-C/S, MU-E/S

		MU-L/S Vario	MU-PRO/S Vario	MU-C/S	MU-E/S
Dimensions and weights					
Working width	cm	200 220 250	250	100 120	120 140 160
Transport width	cm	90° = 180 0° = 250 270 300	160		140
Transport length / depth	cm	245	375	125	125
Transport height	cm	90° = 250 270 300 0° = 130	330		90° = 170 190 210
Weight	kg	910 930 950	1900	208 225	497 520 543
Driving power					
Power demand* from - to	hp	75 - 130	180 - 220	20 - 35	30 - 60
Power demand of hydraulic motor from - to	l/min	-	-	-	-
Power take-off shaft speed*	rpm	540	1000	540	540 / 1000
Freewheel		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double freewheel		-	-	-	-
Number of V-belts		4	5	2	3
Mounting					
Front		-	-	-	<input type="checkbox"/>
Rear		Cat. 2	Cat. 3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Front-Rear		-	-	-	<input type="checkbox"/>
Lower-link extensions		-	-	-	-
Quick-coupling triangle for Front mounting		-	-	-	-
Minimum tractor weight	kg	2800 3200 3500	7000	650 700	1450 1540 1620
Mechanical side shift	cm	-	-	-	-
Hydraulic side shift	cm	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Control units		min. 2 DA	min. 2 DA	min. 1 SA	min. 2 DA
Working/adjustment ranges					
A Adjustment range to left / A Side mounting to right“	cm	70	103	-	86
B Adjustment range to right	cm	105	193	-	136
C Transport length to rear / C Total width to right „	cm	250	370	-	n.s.
D Total working range incl. equipment width	cm	375 395 425	546	-	256 276 296
E Angular range upwards	°	90	90	90	90
F Angular range downwards	°	60	60	45	60

		MU-L/S Vario	MU-PRO/S Vario	MU-C/S	MU-E/S
Working width	cm	200 220 250	250	100 120	120 140 160
Rotor					
Diameter	cm	16	20	11	11
Effective diameter	cm	42	47	31	42
Number of tools (provided as standard)		16 18 22	22 (2Cut: 38)	16 20	20 24 28
Farmer hammer flail		-	-	-	-
M-hammer flail		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-
M-shackle flail		<input type="checkbox"/>	<input type="checkbox"/>	-	-
Carbide M-shackle flail		-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Triple Y-blade		<input type="checkbox"/>	<input type="checkbox"/>	-	-
M-scoop blade		-	-	<input type="checkbox"/>	-
Y-blade		-	-	-	-
Scarifying blade		-	-	-	-
Depth control					
Support roller		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Front/rear position		Adjustable	Swivelling	Fixed	Fixed
Support wheels		-	-	-	-
Housing					
Wear insert		<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input type="checkbox"/>
Hardox wear runners		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vario cutting bar		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-
Short chopping bar (shark fin)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Second short chopping bar (shark fin)		<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>
Chopped-wood rakes		-	-	-	-
Optional equipment					
Front shock-absorbing spring assembly		-	-	-	-
weight transfer system MU-SOFA®		-	-	-	-
Crop deflector plate		-	-	-	-
Warning signs with LED lighting equipment		<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>
Operating hours counter		<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>

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Overview of technical data

MU-M/S, MU-M/S Plus, MU-W, MU-O

		MU-M/S	MU-M/S PLUS	MU-W	MU-O Vario
Dimensions and weights					
Working width	cm	180 200 220 250	220 250 280	100 120 130 140 150 160 180 200	180 200 220 250
Transport width	cm	210	250	108 128 138 148 158 168 188 208	197 217 237 267
Transport length / depth	cm	190	170	110 / 117	117
Transport height	cm	90° = 240 260 280 310	140° = 280 300 320	104 / 113 / 122	130
Weight	kg	1140 1210 1280 1380	1700 1800 1900	320 375 390 405 425 450 490 525	660 690 760 810
Driving power					
Power demand* from - to	hp	95 - 160	160 - 200	35 - 75 / 90	35 - 100 / 130
Power demand of hydraulic motor from - to	l/min	-	-	-	-
Power take-off shaft speed*	rpm	1000	1000	540 / 1000	540 / 1000
Freewheel		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double freewheel		-	-	<input type="checkbox"/>	<input type="checkbox"/>
Number of V-belts		4 / 5	5 / 5	1 reinforced toothed belt	4
Mounting					
Front		-	-	<input type="checkbox"/>	<input type="checkbox"/>
Rear		Cat. 2 + 3	Cat. 2 + 3	<input type="checkbox"/>	<input type="checkbox"/>
Front-Rear		-	-	Cat. 1 + 2	Cat. 1 + 2
Lower-link extensions		-	-	<input type="checkbox"/>	<input type="checkbox"/>
Quick-coupling triangle for Front mounting		-	-	-	-
Minimum tractor weight	kg	-	-	-	-
Mechanical side shift	cm	-	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hydraulic side shift	cm	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Control units		min. 2 DA	2 DA + 1 SA	min. 1 DA	min. 1 DA
Working/adjustment ranges					
A Adjustment range to left / A Side mounting to right“	cm	120	73	n.s.	n.s.
B Adjustment range to right	cm	165	174	n.s.	n.s.
C Transport length to rear / C Total width to right „	cm	n.s.	n.s.	n.s.	n.s.
D Total working range incl. equipment width	cm	345 365 385 415	400 430 460	n.s.	n.s.
E Angular range upwards	°	90	90	-	-
F Angular range downwards	°	60	60	-	-

		MU-M/S	MU-M/S PLUS	MU-W	MU-O Vario
Working width	cm	180 200 220 250	220 250 280	100 120 130 140 150 160 180 200	180 200 220 250
Rotor					
Diameter	cm	16	17	14	16
Effective diameter	cm	42	44	40	42
Number of tools (provided as standard)		16 16 18 22	18 22 24	8 10 10 12 12 14 16 16	16 16 18 22
Farmer hammer flail		-	-	-	-
M-hammer flail		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
M-shackle flail		<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>
Carbide M-shackle flail		-	-	-	-
Triple Y-blade		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
M-scoop blade		-	-	-	-
Y-blade		-	-	-	-
Scarifying blade		-	-	-	-
Depth control					
Support roller		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Front/rear position		Adjustable	Adjustable	Fixed	Adjustable
Support wheels		-	-	-	-
Housing					
Wear insert		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hardox wear runners		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vario cutting bar		-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Short chopping bar (shark fin)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Second short chopping bar (shark fin)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chopped-wood rakes		-	-	<input type="checkbox"/>	<input type="checkbox"/>
Optional equipment					
Front shock-absorbing spring assembly		-	-	<input type="checkbox"/>	<input type="checkbox"/>
weight transfer system MU-SOFA®		-	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Crop deflector plate		-	-	-	<input type="checkbox"/>
Warning signs with LED lighting equipment		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operating hours counter		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* Some model series can be converted from 540 rpm to 1000 rpm (or higher), which makes higher driving powers permissible - in these cases you will see two horsepower values.

Delivery, payment and warranty conditions

§ 1 General Provisions

1. These general terms and conditions shall be applicable for all of our offers and contracts. Any adverse provisions or any customer's provisions deviating from our GTCs will not be acknowledged, unless we accepted these other provisions expressly in writing.
2. Our GTCs are effective even if we should not refer to them expressly in posterior contracts within ongoing business relationship.

§ 2 Offer and Conclusion of contract

1. Our offers are subject to change without notice if not agreed otherwise expressly in writing. Any contract shall be considered as awarded only if it was confirmed in writing or if it is being performed already.
2. For the subject terms of contract our confirmation of order – if issued – is exclusively relevant.
3. Our offers include delivery ex works plus packaging, if not stipulated otherwise expressly. Thus transport, packaging and installation have to be paid separately.

§ 3 Delivery Periods

1. Delivery periods or any other performance periods shall be considered as binding only if expressly defined as binding.
2. In case a certain delivery period or any kind of deadline is agreed upon, they commence – if not expressly agreed otherwise – in the moment of our confirmation of order; in absence of the latter in the moment of the beginning of order-processing in our facility.
3. Our obligation to supply is suspended as long as the customer does not comply with his or her duty of payment.
4. Insofar as we are obliged to compensate a customer's damage due to delay in performance, the customer may claim indemnities to the amount of 0,5 % of the purchase price for each full week of delay, but limited to an overall maximum of 5 % of the contract value for the entire delivery. Beyond that the customer can only claim indemnities if the actual damage exceeds the liquidated damages by more than 25 %.

§ 4 Force Majeure Clause

1. In case of all or part impossibility of performance caused by act of God the stipulated delivery period is extended for the duration of the impediment to performance. The same also applies in case a customer set a deadline for performance, especially additional respites pursuant to section 286 subsection 1, section 323 subsection 2 of the German Civil Code (§§ 286 Abs. 1, 323 Abs. 2 BGB).
2. Before the extended delivery or performance period mentioned in preceding No. 1 of this paragraph has lapsed out, the customer is not entitled to withdraw from the contract or to claim indemnities. The preclusion of the right to withdraw from the contract ceases if and when the impediment to performance lasts longer than three consecutive months. Furthermore the right to withdraw from the contract is not precluded, if the customer has the right to withdraw from the contract without grace period notification pursuant to section 323 subsection 2 of the German Civil Code (§ 323 Abs. 2 BGB). In case the impediment to performance lasts longer than three consecutive months, we are entitled to withdraw from the contract as well.
3. Particularly war, warlike events, mobilization, import or export bans and blockade are considered act of God. Obstruction of transport, disruption of operations, delay of resource delivery, strike, lock-out or any other labor dispute as well as any other unpredictable, exceptional and non-culpably caused circumstances are treated as act of God.

§ 5 Passing of Risk

1. The risk of accidental loss and accidental deterioration shall devolve upon the customer in the moment of hand-over to the haulage contractor. This is also applicable in case free delivery is agreed upon. In case of delivery by one of our own vehicles the aforesaid risks shall devolve upon the customer in the moment of loading of goods.
2. Precedent No. 1 is not applicable if the customer is consumer pursuant to section 13 of the German Civil Code (§ 13 BGB).
3. Persons that in case of pickup or at the place of off-loading sign the delivery note shall be considered as entitled to accept the goods and acknowledge receipt.

§ 6 Condition of Goods

Insofar as offers, confirmations of order or any other documents on trade descriptions of goods, especially brochures, data sheets or application instructions are referred to or included into a contract, a respective warranty for a certain condition or durability of the described goods shall not be constituted. The same also applies for descriptions in respective technical standards.

§ 7 Inspection of Goods

1. A customer that is merchant is obliged to notify us in writing of any defects within one week of delivery, pursuant to section 377 of the German Code of Commerce (§ 377 HGB). The notice of defects has to indicate the nature of the goods, the nature of defect, the date of delivery and the delivery note number. Non-cognizable defects are to be reported in writing within one week of discovery.
2. Goods that have been reported as defective or goods that are cognizable defective shall not be used, processed or assembled by the customer. In case the customer does not comply with this obligation, we shall not be liable for damages caused by the use, processing or assembly of these goods. Furthermore shall the customer in this case be charged for additional expenses that incur by rectification of a defect caused by use, processing or assembly of defective goods.

§ 8 Customer Rights in Case of Defect

1. The customer rights in case of defect act in accordance with the statutory provisions. In case the customer is not consumer pursuant to section 13 of the German Civil Code (§ 13 BGB), the restricting regulations stipulated in the subsequent No. 2 - 8 shall be applicable.
2. Deflections and variations that range within the limits of the relevant technical tolerance shall not be considered as a defect of goods. The same also applies for variations that are usual in trade and inevitable as long as the contractual applicability is not affected.
3. Should a certain condition of the goods be agreed upon, any deflection from this condition shall be considered insignificant if the contractual applicability and use are not or not significantly affected. In this case claim of indemnities and withdrawal from contract are precluded.
4. The customer's right to supplementary performance is limited to rectification of defects (repair), if this reasonable for the customer, especially in case the defect can be corrected as effectively by reparation as by replacement.
5. The customer can plead failure of supplementary performance only if and when at least two attempts of supplementary performance have failed and at least three weeks have elapsed since notice of defects.
6. A grace period for supplementary performance set by a customer shall be considered as inappropriate, if it ends less than three weeks from receipt. Grace periods for supplementary performance have to be set in writing.
7. We shall be liable for damages caused by simple negligence only to a limited extend of reasonably foreseeable damages. Liability for damages to life, body or health shall remain unaffected.
8. All customer's rights regarding claims for defects shall become time-barred after one year as of the moment of delivery, except for the claims mentioned in section 478 of the German Civil Code (§ 478 BGB). This is not applicable for cases of intent, gross negligence and compensation claims regarding damages to life, body or health. Furthermore this is not applicable in case goods delivered or assembled by us are used for a building. In the latter cases mentioned in the second and the third sentence of this no. of this section (section 8, no. 8) the statutory limitation remains unaffected.
9. The delivery of other than the contractually owed goods or other than the contractually owed amount shall be considered as defect.

§ 9 Liability Limitation

1. In cases of slight negligence we shall be liable for serious violation of any major contractual obligations only to a limited extend of reasonably foreseeable damages. Liability for damages to life, body or health shall remain unaffected.
2. We shall only be liable for the violation of any minor contractual obligation, if damage is caused by intent or gross negligence. Liability for damages to life, body or health shall remain unaffected.
3. The preceding No. 1 and 2 are applicable by analogy for any other than contractual indemnity claims, especially claims caused by tortious act, except claims based on sections 1 and 4 of the German Product Liability Act (§§ 1, 4 ProdHaftG). The liability limitation is also applicable in favor of our employees, jobholders, associates, representatives and agents.

§ 10 Prices

1. The respectively applicable value added tax (VAT) shall be added to our prices, unless differing provisions are stated in the confirmation of order or the VAT is displayed expressly.
2. We shall reserve the right to adjust the prices accordingly in the event of significant decrease or increase of raw material costs, energy costs or labor costs after conclusion of contract and before consignment. We shall submit evidence of such changes. A Change shall be considered as significant if it exceeds the consumer price index that the German Federal Statistics Office (Statistisches Bundesamt) determined for a 4-person middle-income family household (1980 = 100%) by more than 10 %.

§ 11 Payment Terms

1. Our invoices are immediately due and payable without deduction. Discount will only be granted by explicit agreement. Any agreed discount period commences on the date of invoice issuance. Only the merchandise value without freight costs, unloading charges or assembly costs is discountable.
2. Checks and bills of exchange (B/E) are only accepted if expressly agreed in advance and on account of performance. All allowances and charges are at the customer's expense.
3. In the event of the customer's payment delay, we shall at our own discretion be entitled to withhold further deliveries and services until advance payments or security deposits have been made (even in case we granted supplier's credit), claim indemnity or withdraw from the contract. Further claims for interest and indemnity shall remain unaffected.
4. In case payment by installments is granted, the entire purchase price shall be due if and when the customer falls into arrears with one installment for more than 14 days.
5. In case of imminent inability to pay or aggravation of the customer's solvency we are entitled to request immediate payment of all unsettled invoices even if those are not due yet.
6. We shall be entitled to offset the customer's payment against one debt or the other in case claims result from several deliveries or services. The customer is not entitled to offset own claims against payments or refuse payments even if the customer's claim is based on a notification of defect. The customer shall only be entitled to offset such claims against our own that are undisputed, legally recognized or ready for legally binding judgment.

§ 12 Reservation of Proprietary Rights

1. We shall reserve the right of ownership for the delivered products until the entire purchase price is paid and all claims arising from the business relationship with the customer regarding those products are settled. Our products are delivered under title retention. The inclusion of separate claims in one invoice or the striking of balance and the respective acceptance shall not countermand the title retention. In case a bill of exchange is issued in connection with the payment of the purchase price and any notes payable arise thereby, the title retention shall not expire before discharge of the bill by the customer as drawee of a bill of exchange. In the event of non-payment by the customer we shall be entitled to take the conditional goods back; accordingly the customer shall be obliged to return those goods.
2. Processing or transforming of the conditional goods by the customer is always performed on our behalf, but shall not create obligations on our part. We shall gain ownership of the new object in this case. We shall gain co-ownership of the new object in the ratio of the value of the purchase object (if the purchase object is processed by means of other components not belonging to us) to the value of the other new components at the moment of processing. If the purchase object is connected, mixed or mingled pursuant to sections 947, 948 of the German Civil Code (§§ 947, 948 BGB) inseparably with other objects not belonging to the customer, he or she gains co-ownership according to the statutory provisions. In case the customer gains ownership or co-ownership by connection, mixing or commingling he or she assigns us co-ownership in the ratio of the value of the purchase object to the other admixed components at the moment of connection, mixing or commingling. In this case the customer is obliged to store the new object that we own or co-own, and that is considered conditional goods pursuant to the adjacent clause as well, free of charge.
3. In case the customer sells conditional goods separately or combined with goods not belonging to us, the customer yet now cedes to us any and all claims accruing to him or her from that resell to a limited extent of the value of the conditional goods including ancillary rights and prior ranking to the rest; We accept this assignment. It shall be understood and agreed that the amount invoiced plus a safety loading of 10% that shall not be applied if and to the extent to which it is opposed by rights of third parties are considered as the value of the conditional goods. In case sold conditional goods are co-owned by us, the assignment shall extend to the amount that equates to the ratio of our co-ownership. § 12 No. 1 clause 2 is applicable by analogy for extended reservation of title. The assignment in advance mentioned in § 12 No. 3 clause 1 and 3 applies also for the balance claim.
4. In case the customer permanently attaches the conditional goods to a third party's estate, the customer yet now cedes any and all claims against that third party or whom it may concern, salary claims that arise in the future to a limited extent to the invoiced amount including all ancillary rights, i. e. including the right of concession of equitable mortgage as well. We accept this assignment. The customer is entitled to collect the claim under his or her own name. Payments received by third parties will be primary offset against claims that are not assigned to us. Is the customer's claim cleared, he or she has to pay any further payment of that third party directly to us.
5. In case the customer permanently attaches the conditional goods to his or her own estate, the customer yet now cedes to us any and all claims accruing from the commercial sale of the estate or claims accruing from real estate property rights to a limited extent of the value of the conditional goods including ancillary rights and prior ranking to the rest; We accept this assignment. § 12 No. 2 second and third sentence shall be applicable by analogy.
6. The customer is entitled to resell, use or assemble the conditional goods only in line with the usual orderly course of business provided that the claims mentioned in § 12 No. 3, 4 and 5 are actually transferred to us. It shall be prohibited to the customer to dispose in any other way over the conditional goods, especially to hypothecate or assign these goods as collateral security. The customer is obliged to safeguard our rights in case of resell of the conditional goods by loan in the amount of our purchase price claim.
7. The customer shall be entitled to collect the receivables assigned to us pursuant to § 12 No. 3, 4 and 5. This right remains subject to rescission by us. However, we shall refrain from collecting the receivable, as long as the customer complies with his payment obligations toward us and also toward third parties. By our request the customer is obliged to denominate to us the debtors of the assigned claims and notify the latter about the assignment; we shall be entitled to notify the debtors of the assigned claims about the assignment ourselves as well.
8. In the event of attachment or other enforcement interventions regarding the conditional goods by third parties, the customer shall be obliged to notify us immediately and provide us with the documents necessary for objection. In the event of stoppage of payment, petition for insolvency proceedings or composition proceedings regarding the customer the rights for resell, use or assembly of the conditional goods as well as the right to collect assigned claims expire. The collection authorization shall expire as well in the event of protest of a bill or check protest.
9. The collateral security pledged in our favor shall extend to debts created in the event of insolvency ex parte by the liquidator in the course of his duties.
10. In case the customer has furnished collateral security already or further securities are furnished later, we shall only be entitled to request additional security pursuant to § 12 No. 4 and 6, if the realizable value of our accumulated securities does not exceed 110 % of the claim to be secured. If this value is exceeded, the customer shall be entitled to claim release of security accordingly. For the valuation of securities 140 % of the appraised value of security collateral and 140 % of the nominal value of claims assigned for security shall be regarded as limit for the accrual of a release claim.

§ 13 Purchase on a Trial Basis

1. In case purchase on a trial basis is agreed upon and merchandise value exceeds € 2.500,00 (two thousand five hundred) the customer shall be obliged to insure the merchandise on his or her own expense. In the event of non-approval the customer shall be obliged to pay to us a compensation in the amount of 0,5 % of the merchandise value for every day of utilization. The customer shall be entitled to provide evidence that the actual damage accrued to us is significantly minor.
2. Field tests shall only be undertaken in our presence. Field tests shall only be permitted for the duration of 3 machine hours at the most. In case this time frame is exceeded by more than 10 %, the merchandise is considered as bought without any reservation.

§ 14 FINAL PROVISIONS

1. The place of performance regarding payment shall be our business location.
2. In case the customer is merchant, body corporate organized under public law or special fund under public law it shall be understood and agreed that the courts having jurisdiction for our business location are sole places of venue. The same applies if the customer does not have a domestic natural forum, displaces his or her habitual residence out of the area of application of the German law after conclusion of contract or in case the customer's permanent dwelling is unknown at the time of commencement of legal action. We shall remain entitled though to sue the customer at the courts having jurisdiction for the customer's natural forum at our own discretion.
3. The legal and contractual relationship between us and the customer is subject to German law under exclusion of the United Nations Convention on Contracts for the International Sale of Goods (CISG).
4. Should any of the provisions of the GTCs be ineffective or void in part or in whole, the validity of the remaining provisions are not affected. In this case the statutory rules shall apply supplementarily.

11-11

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