

## LANDSCAPING & MUNICIPAL TECHNOLOGY



# SALES MANUAL AND PRICE LIST 2024/2025

Müthing mulchers for landscaping, municipal technology  
and landscape maintenance equipment

**Valid from 01. 11. 2024 | Export**

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

MU-B (for single-axle mower)	80 - 140 cm	15 - 25 HP	M	17	18 - 19
MU-C	100 - 160 cm	15 - 35 HP	F + R	20	22 - 23
MU-C Hydro	120 - 160 cm	35 - 55 l/min	F	20	24 - 25
MU-ÖKOTOP	140 - 160 cm	20 - 40 HP	F		26 - 27
MU-FM	120 - 160 cm	20 - 40 HP	F	21	28 - 29
MU-FM Hydro	120 - 160 cm	35 - 70 l/min	F	21	30 - 31
MU-COLLECT Vario	140 - 160 cm	20 - 40 HP	F	33	34 - 35
MU-E Vario	140 - 200 cm	25 - 60 HP	F + R	36 - 37	38 - 39
MU-E Hydro Vario with MU-CONNECT 200	140 - 200 cm	50 - 90 l/min	F	40 - 41	42 - 43
MU-E/F Trail Vario	360 - 560 cm	60 - 180 HP	D	45	46 - 47
MU-ECOTOP	160 - 200 cm	30 - 75 HP	R		48 - 49
MU-H Vario	120 - 220 cm	35 - 90 HP	F + R	50	52 - 53
MU-L Vario	180 - 280 cm	45 - 130 HP	F + R	51	54 - 69
CombiMulcher	160 - 280 cm	40 - 130 HP	F + R	see price list for agriculture	
MU-M Vario	220 - 300 cm	75 - 160 HP	F + R	see price list for agriculture	
MU-Vario-Shark 2.0	280 - 300 cm	95 - 200 HP	F + R	see price list for agriculture	
MU-M/F Vario	600 cm	130 - 300 HP	R	see price list for agriculture	
MU-PRO Vario	250 - 320 cm	95 - 250 HP	F + R	see price list for agriculture	
MU-CoverSeeder 280	280 cm	130 - 300 HP	R	see price list for agriculture	
MU-CoverSeeder 600	600 cm	130 - 300 HP	R	see price list for agriculture	
MU-PRO/F Vario	860 cm	200 - 400 HP	R	see price list for agriculture	
MU-PRO/F Trail Vario	860 cm	200 - 500 HP	D	see price list for agriculture	
MU-Farmer	670 cm	240 - 300 HP	R	see price list for agriculture	

**F = Front mounted - R = Rear mounted - T = Trailed - M = Single axle mower**

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

MU-FM/S	120 - 160 cm	30 - 45 HP	R	57	60 - 61
MU-H/S Vario	140 - 200 cm	55 - 90 HP	R	64	66 - 67
MU-L/S Vario	200 - 250 cm	75 - 130 HP	R	65	68 - 69
MU-PRO/S Vario	250 cm	180 - 220 HP	R	see price list for agriculture	

#### SIDE MULCHERS

MU-C/S	100 - 120 cm	20 - 35 HP	R	56	58 - 59
MU-E/S	160 cm	60 HP	F + R		62 - 63
MU-M/S	180 - 250 cm	95 - 160 HP	R	see price list for agriculture	
MU-M/S Vario Plus	220 - 280 cm	160 - 220 HP	R	see price list for agriculture	

#### MULCHERS FOR WINE AND FRUIT GROWING

MU-W (for vineyards)	130 - 200 cm	35 - 90 HP	F + R	see price list for agriculture	
MU-O Vario (for orchards)	180 - 250 cm	40 - 130 HP	F + R	see price list for agriculture	

**F = Front mounted - R = Rear mounted - T = Trailed - M = Single axle mower**

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# Product range overview

Model series	Working width	Page	Driving power (HP)								
			10	20	30	40	50	60	70	80	90

## FOR LANDSCAPING AND MUNICIPAL APPLICATIONS

MU-B	80 - 140 cm	M	18	15	25						
MU-C	120 - 160 cm	F / R	22	15		35					
MU-C Hydro	120 - 160 cm	F	24	Hydraulic motor		35 - 55 l/min					
MU-Ökotop	140 - 160 cm	F	26	20		40					
MU-FM	120 - 160 cm	F	28	20		40					
MU-FM Hydro	120 - 160 cm	F	30	Hydraulic motor		35 - 70 l/min					
MU-Collect Vario	140 - 160 cm	F	34	20		40					
MU-E Vario	140 - 200 cm	F / R	38		25		50	60			
MU-E Hydro Vario	140 - 200 cm	F	42	Hydraulic motor			50 - 90 l/min				
MU-E/F Vario	360 - 560 cm	D / R	46					60			
MU-ECOTOP	160 - 200 cm	R	48		30		60	75			
MU-H Vario	120 - 220 cm	F / R	52			35		75		90	
MU-L Vario	180 - 280 cm	F / R	54				45				
MU-C/S	100 - 120 cm	R-S	58	20	35						
MU-FM/S	120 - 160 cm	R + S	60		30	45					
MU-E/S	160 cm	R-S	62		30		60				
MU-H/S Vario	140 - 200 cm	R + S	66				55			90	
MU-L/S Vario	200 - 250 cm	R + S	68						75		

## FOR AGRICULTURAL APPLICATIONS (\* see price list Agriculture & Special Crops)

CombiMulcher	160 - 280 cm	F / H	*			40					
MU-M Vario	220 - 300 cm	F / R	*					75			
MU-Vario-Shark 2.0	280 - 300 cm	F / R	*								
MU-M/F Vario	600 cm	R	*								
MU-PRO Vario	250 - 320 cm	F / R	*								
MU-CoverSeeder 280	280 cm	R	*								
MU-CoverSeeder 600	600 cm	H	*								
MU-PRO/F Vario	860 cm	D / R	*								
MU-Farmer	670 cm	R	*								
MU-W	130 - 200 cm	F / R	*			35		75		90	
MU-O Vario	180 - 250 cm	F / R	*			35					

## SIDE MULCHERS (\* see price list Agriculture & Special Crops)

MU-M/S	180 - 250 cm	R-S	*								
MU-M/S PLUS Vario	220 - 280 cm	R-S	*								
MU-PRO/S Vario	250 cm	R + S	*								

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.



## Explanation Abbreviations:

### Mounting options:

M = Single-axle mower

F = Front mounting

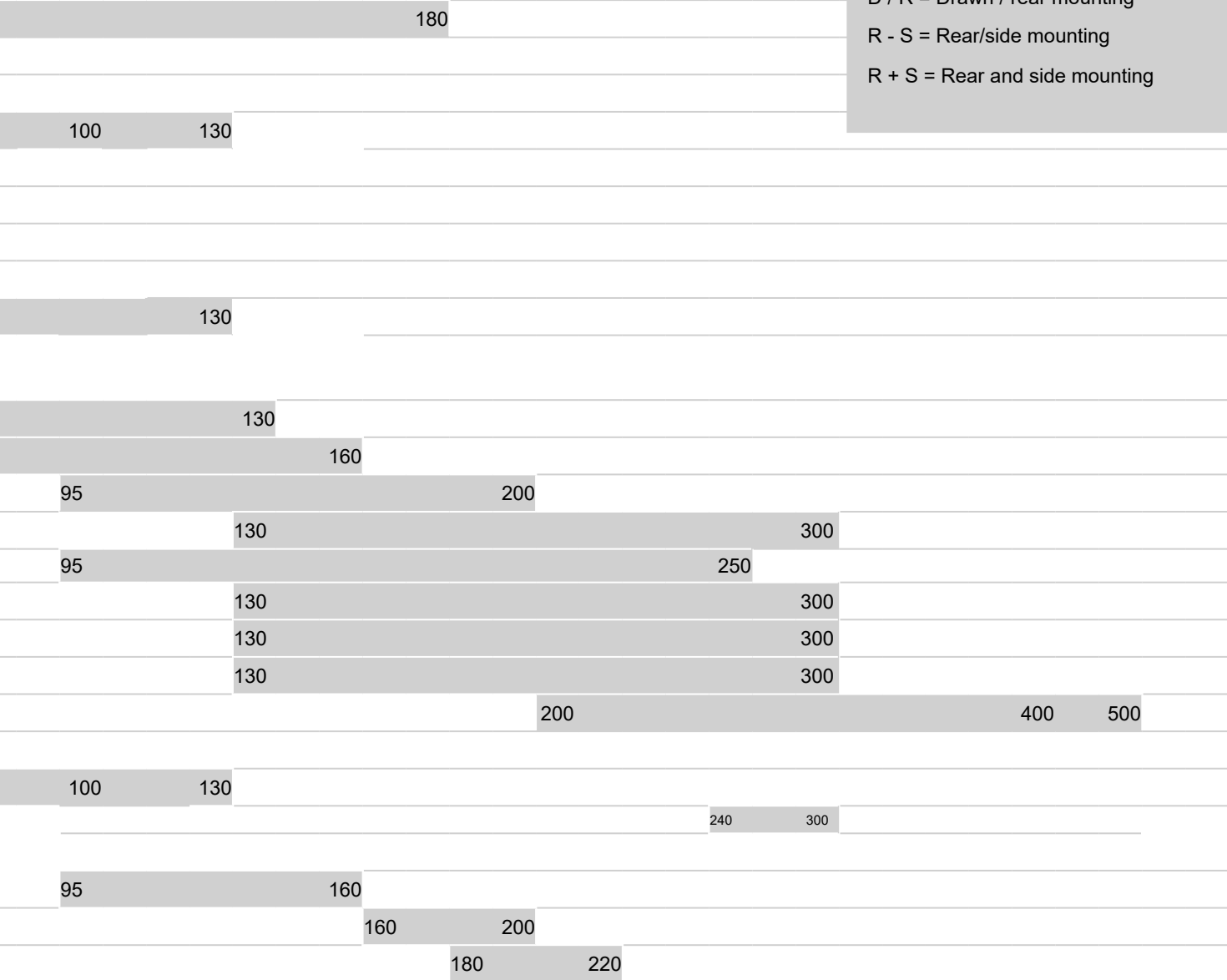
R = Rear mounting

F / R = Front or rear mounting

D / R = Drawn / rear mounting

R - S = Rear/side mounting

R + S = Rear and side mounting



### 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 bolted wearing parts for easy replacement

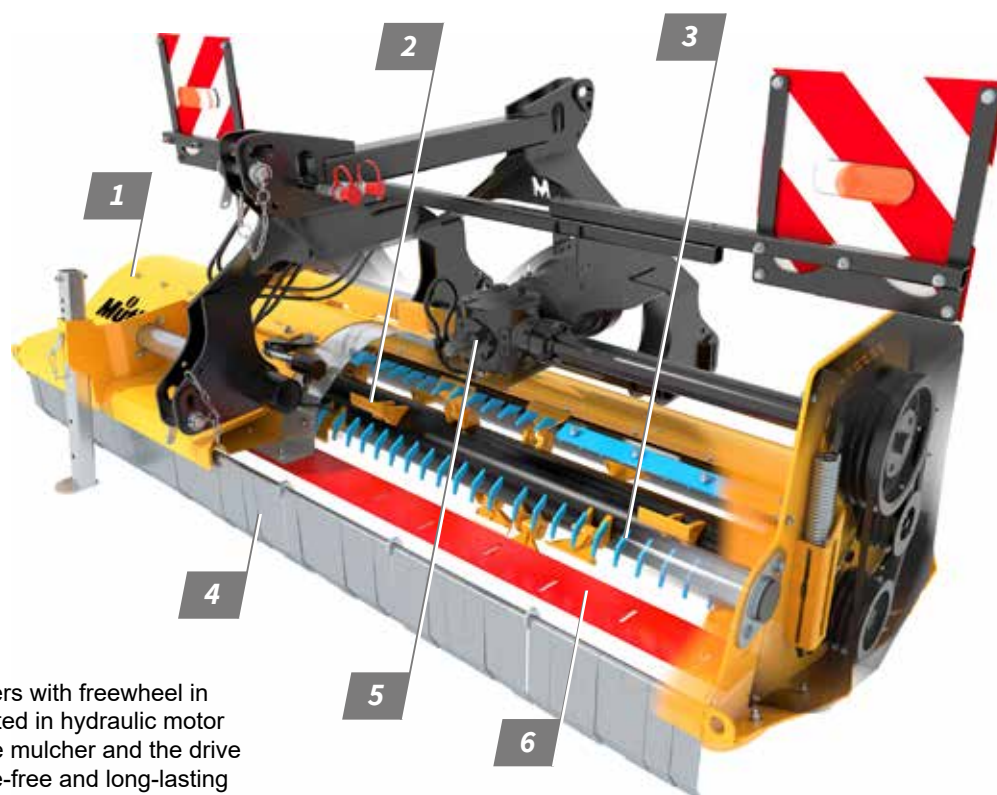
- To preserve the high mulching and shredding quality of the Müthing flail
- To ensure long life conservation of the flail

## 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 spring steel protection flaps

- nearly unbreakable design for enhanced safety
- compact structure and opening that provides extra protection against obstacles thrown forward



## 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

### Reasonable 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:



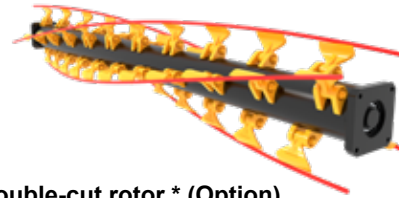


**DURAX M-Hammer flails**



**M-Shackle flail (as an option)**

- To protect against damage from obstacles and loss of 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.

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

**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 the mulch either behind or in front of the support roller.

**Discharging of material in front of the support roller:**

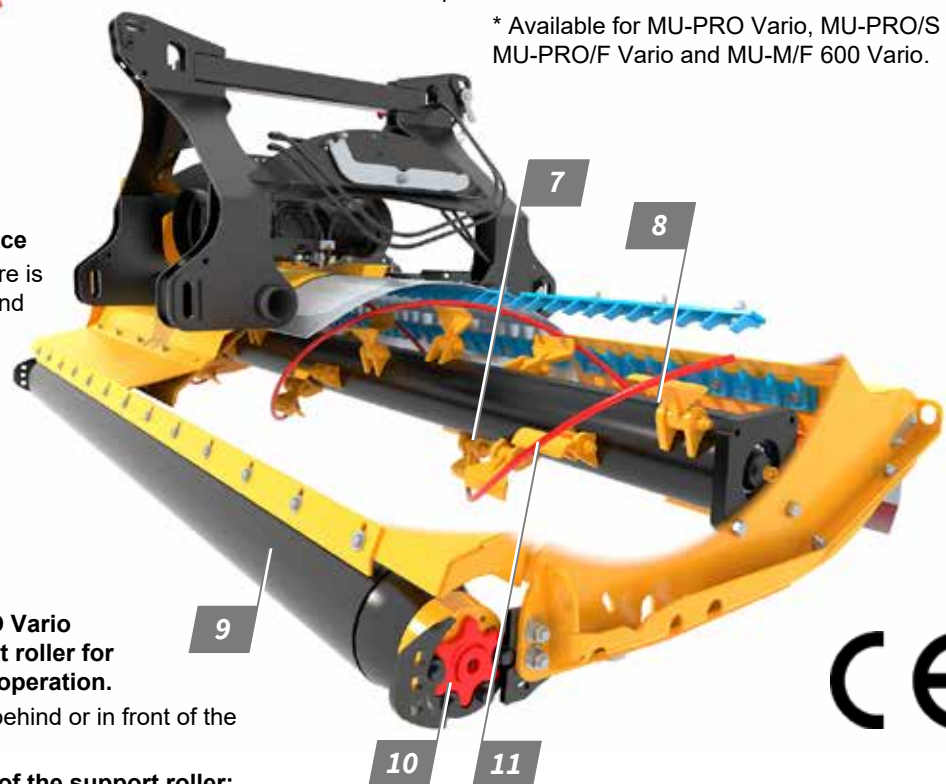
- Excellent germination characteristics of volunteer seed due to soil reconsolidation
- Low dust impact with front mounting
- Reduced tool wear
- Fewer coarse particles in the mulch

**Discharging of material behind the 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)



**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, the sculpted shape matches rotor barrel to minimize breaking of flails and rotor imbalance

- High-quality steel is used for critical components like the flail blades to resist wear, impact, and deformation during cutting

**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 tool holders from breaking off.

# The Müthing Vario System

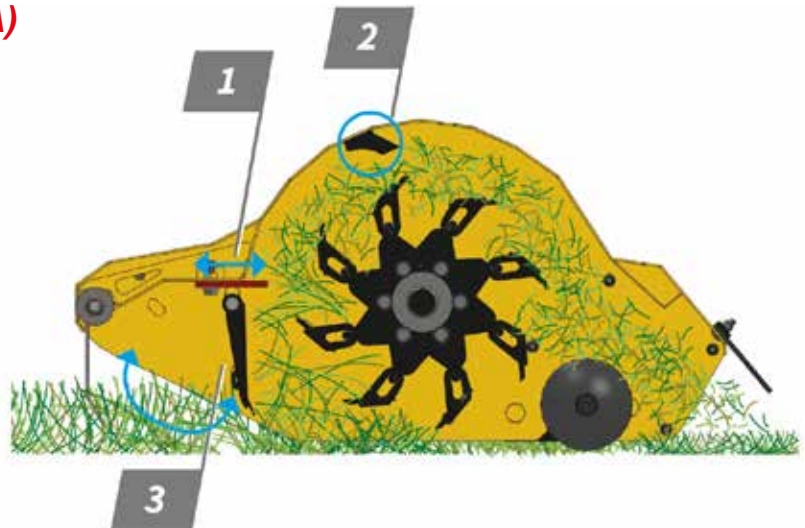
## With variable cutting bar

### FOR MAXIMUM WORKING COMFORT AND FLEXIBILITY

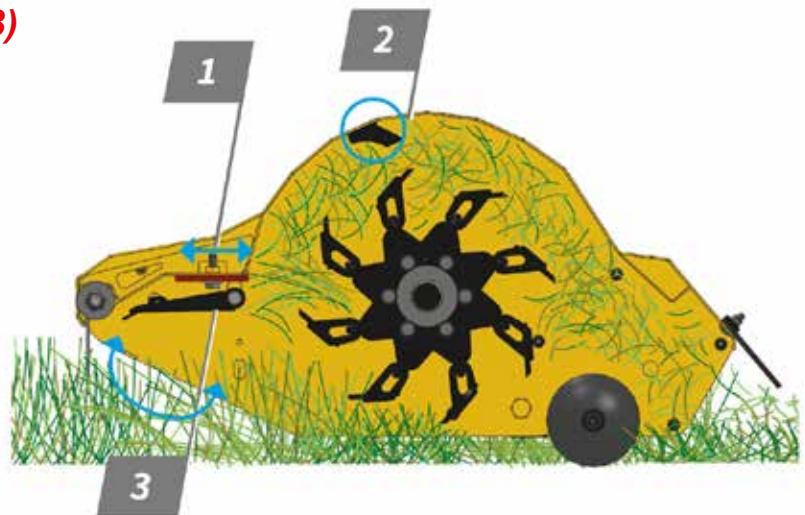
The Vario System allows you to adjust the mulcher to your conditions thanks to its optimal intake and housing form, variable PTO shaft speeds, an infinitely variable Vario cutting bar and the swivelling support roller.



(A)



(B)



1. The **adjustable cutting bar** allows infinitely variable adjustment of the shredding and chopping rate according to the particular requirements.
  - Optimum mulching results even in wet conditions, with ruts, little mass or with masses that are difficult to shred, such as leaves or branches.
  - Compacted crop residues can be reached due to the strong suction effect.
  - Select the optimum shredding according to your individual requirements, whether for rapid decomposition or for a protective surface covering.
  - 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 **pivoting short-cut flap** turns the mulcher into a year-round device. The short-cut flap makes the mulcher versatile and suitable for use under a wide range of conditions and requirements (available for MU-E Vario and MU-E/F Vario and as a short-cut angle for MU-Collect Vario).

#### (A) Short-cut flap swung downwards:

- Extremely high suction effect for lifting downed grass and achieving a first-class cutting pattern.
- Ideal for use on demanding surfaces and with short cutting lengths.
- Ideal for football, sports and golf fields.
- Even deposition of fine mulch material for rapid decomposition.
- Pile formation is avoided, for an even nutrient return and a clean appearance.

#### (B) Short-cut flap swung upwards:

- High throughput and low power requirements with higher crops and lots of green mass.
- Ideal for extensive area maintenance and high growth.
- Lower suction effect and large passage for quick work and minimal shredding.
- Even distribution of mulch to cover the soil surface.



# Versatile Application

## The correct processing for any crop

**Müthing**

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

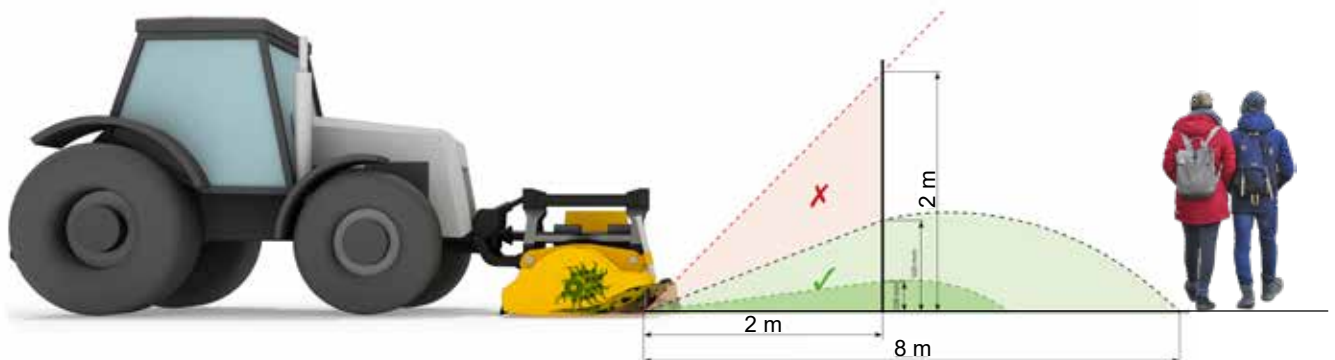


# Thrown-object test certified by TÜV Nord certification body



## 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

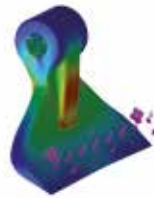
With observation of the safety clearances of 8 metres to the front and rear and 2 metres to the right and left.



## 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.



### 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.



### 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 HARDUX 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



### 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.



- 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

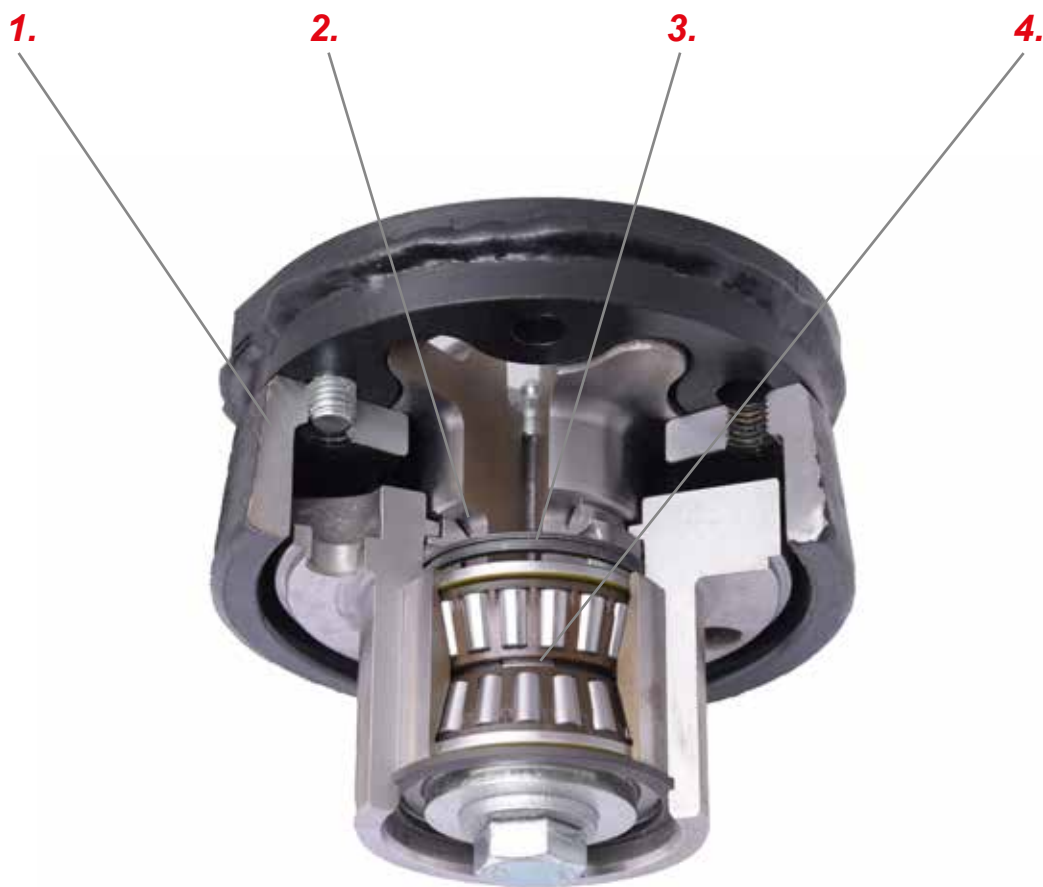


- Müthing tools are mounted with highly-tempered bolts with fine-pitch thread. For durability even under the toughest operating conditions.
- Full warranty when using original Müthing parts for Mulching Systems and spare parts

# 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

- 1.** Outer wrap and winding protection between the roller and the flail side panel to reject coarse debris
- 2.** Greased mechanical labyrinth as central protection against dirt, mud, plant residue and moisture
- 3.** Greased multilayer labyrinth made out of small spring steel rings to protect against fine dust and moisture residue
- 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

**Müthing**



MU-SOFA® Tractor Attachment



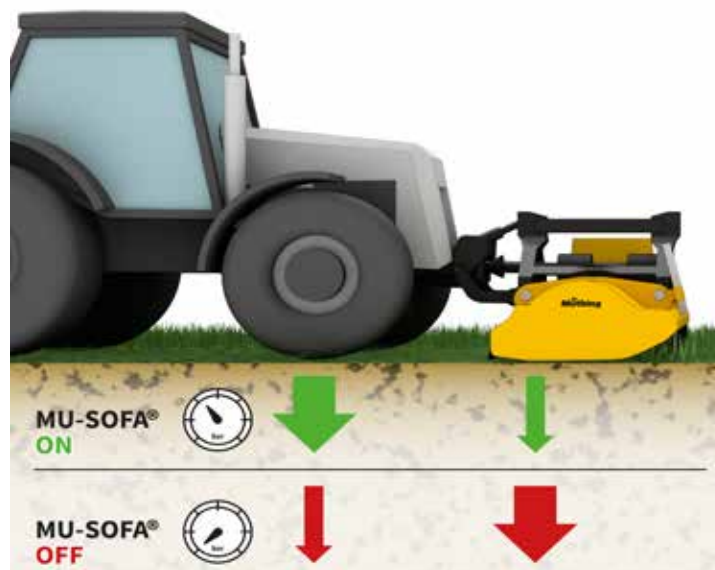
MU-SOFA® Device Attachment

## 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 MU-B

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





# Flail mower details MU-B

**Müthing**

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



- **AEBI**  
(CC56, CC66, TC07)



- **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 mower MU-B

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



Details MU-B page: 17

## Standard Equipment

- Made of 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)
  - Rapid (EURO, Orbito)
  - Reform (M14) , Bucher
- Other tool variant: Double Y-blade (CE mark only)
- Wear insert in housing (factory mounted)

MU-B	80	100	120	140
Working width (cm)	80	100	120	140
outside width (cm)	99	119	139	159
PTO shaft speed	850	850	850	850
max. tractor horsepower (HP)	25	25	25	25
Transport weight	120	137	154	171
number of tools	12	16	20	24
Rotor diameter (mm)	110	110	110	110
Support roller diameter (mm)	120	120	120	120
Number of V-belts	2	2	2	2

# Flail mower MU-B

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



Description	Order code	Front attachment	Support roller	M carbide shackle knife	Y knife	Central drive	PTO shaft speed	€ without VAT
MU-B 80	B080B-SOWNR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	850	4.570,00 €
MU-B 100	B100B-SOWNR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	850	4.715,00 €
MU-B 120	B120B-SOWNR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	850	4.855,00 €
MU-B 140	B140B-SOWNR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	850	4.965,00 €

Order code	optional equipment	€ without VAT
BZ70.AE	Adaptations, suitable for AEBI	700,00 €
BZ70.RA	Adaptations, suitable for RAPID	650,00 €
BZ70.RF-M14	Adaptations, suitable for REFORM M14	815,00 €
BZ56-100	Other tool variant: Double Y-blade (CE mark only), Working width 100 cm (with 78 Y-knives)	625,00 €
BZ56-120	Other tool variant: Double Y-blade (CE mark only), Working width 120 cm (with 92 Y-knives)	670,00 €
BZ56-140	Other tool variant: Double Y-blade (CE mark only), Working width 140 cm (with 106 Y-knives)	705,00 €
BZ41	Wear insert in housing (factory mounted)	325,00 €
	Prior freight component	Ex Works
	Packaging / palletisation	70.00 €
	Freight costs for supplemental delivery of accessories	Ex Works
	Initial induction	200.00 €

# 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

**Müthing**



- 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



- Infinitely variable support roller for 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 mower 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 headstock, Cat. 1
- 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
- Screw-type short chopping bar system „Shark fin“ design – a Müthing patent
- Large support roller for adjusting working height of mulcher
- Hardox wear runners, screw-type
- Highly tempered spring steel flaps with swing protection
- **PTO shaft with hardened inner tube and cap bottom lubrication**

## Options

- Mounting for quick coupling triangle Cat. 0 on the device side **for front mounting**
- Mounting console for support arms instead of 3-point headstock  
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**
- 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

MU-C	100	120	140	160
Working width (cm)	100	120	140	160
outside width (cm)	124	144	164	184
PTO shaft speed	540 / 1000 / 2000	540 / 1000 / 2000	540 / 1000 / 2000	540 / 1000 / 2000
max. tractor horsepower (HP)	35	35	35	35
Transport weight	145 / 169	151 / 185	159 / 200	175 / 215
number of tools	16	20	24	28
Rotor diameter (mm)	110	110	110	110
Support roller diameter (mm)	120	120	120	120
Number of V-belts	2	2	2	2

# Flail mower MU-C

Front or rear mounting

for small and compact tractors from 15 to 35 hp



Description	Order code	Front attachment	Rear attachment	Support roller	M carbide shackle knife	Central drive	Drive off-center	PTO shaft speed	€ without VAT
<b>Rear cultivation</b>									
MU-C 100 HE RE	C100B-SFWBR	-	✓	✓	✓	✓	-	540	3.185,00 €
MU-C 120 HE RE	C120B-SFWBR	-	✓	✓	✓	✓	-	540	3.380,00 €
MU-C 140 HE RE	C140B-SFWBR	-	✓	✓	✓	✓	-	540	3.590,00 €
MU-C 160 HE RE	C160B-SFWAR	-	✓	✓	✓	-	✓	540	3.830,00 €

<b>Front mounting</b>									
MU-C 100 FR LI	C100V-SFWDL	✓	-	✓	✓	✓	-	1000	3.400,00 €
MU-C 100 FR RE	C100B-SFWDR	✓	-	✓	✓	✓	-	1000	3.400,00 €
MU-C 120 FR LI	C120V-SFWDL	✓	-	✓	✓	✓	-	1000	3.630,00 €
MU-C 120 FR RE	C120B-SFWDR	✓	-	✓	✓	✓	-	1000	3.630,00 €
MU-C 140 FR LI	C140V-SFWDL	✓	-	✓	✓	✓	-	1000	3.805,00 €
MU-C 140 FR RE	C140B-SFWDR	✓	-	✓	✓	✓	-	1000	3.805,00 €
MU-C 160 FR LI	C160V-SFWDL	✓	-	✓	✓	✓	-	1000	3.945,00 €
MU-C 160 FR RE	C160B-SFWDR	✓	-	✓	✓	✓	-	1000	3.945,00 €

Order code	optional equipment	€ without VAT
CZ20-DZ	Change drive, to a different speed	250,00 €
CZ02	Hydraulic side shift (1 double acting spool valve required) , short, for working widths 100 - 160 cm, Rear cultivation (26 cm stroke)	605,00 €
CZ15.KT0-FR	Coupling triangle, front mounting cat. 0	430,00 €
CZ63.FR	Two-point mount for support arms of carrier vehicles, Front mounted	310,00 €
00031128	MU-SOFA® weight transfer system, recommended for front-mounted implements, for mounting on the tractor	1.120,00 €
CZ96	Second screw-type short chopping bar system "Shark fin" design – a MÜTHING patent	135,00 €
CZ31	Strong, height adjustable support wheels, 360° swivel in front of the flail (Ø ca. 235 mm height and ca 80 mm wide)	970,00 €
CZ41	Wear insert in housing (factory mounted)	445,00 €
	<b>PLEASE NOTE: Required options for attaching MU-C 120 FR RE to Husqvarna Rider:</b>	
CZ63-120.HU	Two-point mount for support arms of carrier vehicles, suitable for HUSQVARNA P 520D/DX, P 525D/DX, P 535HX (incl. lift stop, clockwise rotation, PTO shaft profile 1" Z15)	450,00 €
CZ41-120.HU	Wear insert in housing (factory mounted) Plastic, for MU-C 120 Husqvarna	445,00 €
	<b>Prior freight component</b>	Ex Works
	<b>Packaging / palletisation</b>	70.00 €
	<b>Freight costs for supplemental delivery of accessories</b>	Ex Works
	<b>Initial induction</b>	200.00 €

\* **PLEASE NOTE:** For front attachment, please specify the direction of rotation of the front PTO shaft (right or left in the direction of travel) as well as the speed and size of the PTO shaft stub (see overview of PTO shaft profiles).  
When ordering, please be sure to fill out and submit the data sheet (see checklist data sheet for small tractors). When installing at the front, be sure to pay attention to the front axle loads!

# Flail mower 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 headstock
- 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**
- 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
- Hardox wear runners, screw-type
- Highly tempered spring steel flaps with swing protection
- **Hydraulic hoses without couplings**

## Options

- 3-point headstock Cat. 1 for front attachment
- Mounting for quick-coupling triangle Cat. 0 on the device side for front attachment
- (only possible in conjunction with three-point bracket)
- Mounting console for support arms instead of 3-point headstock  
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) as shown above

MU-C	120	140	160
Working width (cm)	120	140	160
outside width (cm)	144	164	184
Oil engine power requirement	35 - 55	40 - 55	45 - 55
Transport weight	138	146	154
number of tools	20	24	28
Rotor diameter (mm)	110	110	110
Support roller diameter (mm)	120	120	120
Number of V-belts	2	2	2



# Flail mower MU-C Hydro

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



Description	Order code	Front attachment	Support roller	M carbide shackle knife	€ without VAT
MU-C Hydro 120	C120B-SOW--	☑	☑	☑	4.325,00 €
MU-C Hydro 140	C140B-SOW--	☑	☑	☑	4.525,00 €
MU-C Hydro 160	C160B-SOW--	☑	☑	☑	4.550,00 €

Order code	optional equipment	€ without VAT
*	<b>PLEASE NOTE: Be sure to specify volume flow when ordering</b>	
CZ21.B	Drive hydraulic, Designed for hydraulic drive volume flow vehicles 30 - 35 l/min	- €
CZ21.E	Drive hydraulic, Designed for hydraulic drive volume flow vehicles 40 - 45 l/min	- €
CZ21.G	Drive hydraulic, Designed for hydraulic drive volume flow vehicles 50 - 55 l/min	- €
*	<b>PLEASE NOTE: When ordering, please specify the maximum liter capacity and the maximum oil pressure as well as the type of vehicle (see checklist for MU-Hydro mulching devices).</b>	
CZ81	Pressure limitation valve for operating pressure over 180 bar	520,00 €
CZ10.FR-KAT1	Single headstock, fixed position, 3-point headstock, Cat. 1, screwed	285,00 €
CZ15.KT0-FR	Coupling triangle, front mounting cat. 0	430,00 €
CZ63.FR	Two-point mount for support arms of carrier vehicles, Front mounted	310,00 €
00031128	MU-SOFA® weight transfer system, recommended for front-mounted implements, for mounting on the tractor	1.120,00 €
CZ96	Second screw-type short chopping bar system „Shark fin“ design – a MÜTHING patent	135,00 €
CZ31	Strong, height adjustable support wheels, 360° swivel in front of the flail (Ø ca. 235 mm heigth and ca 80 mm wide)	970,00 €
CZ41	Wear insert in housing (factory mounted), Front mounted	445,00 €
	<b>Prior freight component</b>	Ex Works
	<b>Packaging / palletisation</b>	70.00 €
	<b>Freight costs for supplemental delivery of accessories</b>	Ex Works
	<b>Initial induction</b>	200.00 €

# MU-ÖKOTOP landscaping mower

## for front mowers from 20 to 40 HP



### Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel for front mounting onto professional front mowers with 2 point linkage
- Low-lying gearbox with freewheel for 2,200 rpm or 2,400 rpm, distance between the PTO shaft stub and the 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
- Hardox wear runners, screw-type
- Highly tempered spring steel flaps with swing protection
- **PTO shaft with hardened inner tube and cap bottom lubrication**
- **Variable working height of up to 11 cm**
- **Front-mounted „BEEHAPPY“ insect saver**
- 4 strong height adjustable support wheels 360° swivel in front and rear of the flail – replacing the support roller

### Options

- Headstock with coupling triangle, Cat. 0
- Wear insert in housing (factory mounted)
- **Second screw-type short chopping bar system „Shark fin“ design – a Müthing patent**

Ökotop	140	160
Working width (cm)	140	160
outside width (cm)	165	185
PTO shaft speed	2200 / 2400	2200 / 2400
max. tractor horsepower (HP)	40	40
Transport weight	236	283
number of tools	24	28
Rotor diameter (mm)	110	110
Number of V-belts	2	2

# MU-ÖKOTOP landscaping mower

## for front mowers from 20 to 40 HP



Description	Order code	Front attachment	Y knife	Central drive	PTO shaft speed	€ without VAT
MU-ÖKOTOP 140 RE	FM140B-SPWRR	☑	☑	☑	2200	8.355,00 €
MU-ÖKOTOP 140 LI	FM140V-SPWRL	☑	☑	☑	2200	8.355,00 €
MU-ÖKOTOP 140 RE KUBOTA	FM140V-SPWPR-KU	☑	☑	☑	2400	8.355,00 €
MU-ÖKOTOP 160 RE	FM160V-SPWRR	☑	☑	☑	2200	8.790,00 €
MU-ÖKOTOP 160 LI	FM160B-SPWRL	☑	☑	☑	2200	8.790,00 €
MU-ÖKOTOP 160 RE KUBOTA	FM160V-SPWPR-KU	☑	☑	☑	2400	8.790,00 €

Order code	optional equipment	€ without VAT
FMZ60.KU-30XX	Attachment adapter, suitable for KUBOTA F2560, F3060 and F3560 Direction of rotation right, PTO shaft profile 1" Z10	- €
FMZ60.KU-2880-3680	Attachment adapter, suitable for KUBOTA series 2021: F-251, F-391 series 2014: F2890, F3090, F3890 series 2006: F2880, F3680, F2560, F3060, F3560 Direction of rotation right, PTO shaft profile 1" Z10	- €
FMZ60.JD-F14XX-15XX	Attachment adapter, suitable for JOHN DEERE F1435, 1445, 1545, 1565 series 2014: 1550, 1570, 1575, 1580, 1585 Direction of rotation left, PTO shaft profile 1" Z15	- €
FMZ60.IS-3XX	Attachment adapter, suitable for ISEKI SF 300, 303, 310, 330, 333 and 370 Direction of rotation left, PTO shaft profile 1 3/8" Z6	- €
FMZ60.IS-SF2XX	Attachment adapter, suitable for ISEKI SF 224, 235, 438, 450, 544 (Stage V), 551 (Stage V) Direction of rotation left, PTO shaft profile 1" Z15	625,00 €
FMZ60.SH-CM284-364	Attachment adapter, suitable for SHIBAURA CM 284, 314, 364 and CM 374 Direction of rotation right, PTO shaft profile 1" Z15	- €
FMZ60.GR-FD2200	Attachment adapter, suitable for GRILLO FD 13.09, FD 2200, FD 2200 TS Direction of rotation left, PTO shaft profile 1" Z14	770,00 €
FMZ15.KT0	Coupling triangle, Cat. 0	735,00 €
FMZ15.KT1N	Coupling triangle, Cat. 1N	770,00 €
FMZ96	Second screw-type short chopping bar system "Shark fin" design – a MÜTHING patent	135,00 €
FMZ41	Wear insert in housing (factory mounted)	390,00 €
	<b>Prior freight component</b>	Ex Works
	<b>Packaging / palletisation</b>	70.00 €
	<b>Freight costs for supplemental delivery of accessories</b>	Ex Works
	<b>Initial induction</b>	200.00 €
*	<b>PLEASE NOTE:</b> For front attachment, please specify the direction of rotation of the front PTO shaft (right or left in the direction of travel) as well as the speed and size of the PTO shaft stub (see overview of PTO shaft profiles). When ordering, please be sure to fill out and submit the data sheet (see checklist data sheet for small tractors). When installing at the front, be sure to pay attention to the front axle loads!	



# Flail mower 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-lying gearbox with freewheel for 2,200 rpm or 2,400 rpm, distance between the PTO shaft stub and the ground approx. 35 cm
- 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 Muthing patent
- Infinitely variable support roller for adjusting working height of mulcher
- Hardox wear runners, screw-type
- Highly tempered spring steel flaps with swing protection
- Sturdy, large and vertically adjustable support wheels, 360° swivelling (dia. approx. 235 mm and approx. 80 mm wide)
- **PTO shaft with hardened inner tube and cap bottom lubrication**

## Options

- Headstock with coupling triangle, Cat. 0
- Headstock with coupling triangle, Cat. 1N
- Wear insert in housing (factory mounted)
- Forward-mounted BEEHAPPY insect rescuer, celebration
- **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

MU-FM	120	140	160
Working width (cm)	120	140	160
outside width (cm)	145	165	185
PTO shaft speed	2200 / 2400	2200 / 2400	2200 / 2400
max. tractor horsepower (HP)	40	40	40
Transport weight	206	229	252
number of tools	20	24	28
Rotor diameter (mm)	110	110	110
Support roller diameter (mm)	120	120	120
Number of V-belts	2	2	2

# Flail mower MU-FM

## for front mowers from 20 to 40 hp



Description	Order code	Front attachment	Support roller	M carbide shackle knife	Central drive	PTO shaft speed	€ without VAT
MU-FM 120 RE	FM120V-SPWRR	✓	✓	✓	✓	2200	5.750,00 €
MU-FM 120 LI	FM120B-SPWRL	✓	✓	✓	✓	2200	5.750,00 €
MU-FM 120 RE KUBOTA	FM120V-SPWPR-KU	✓	✓	✓	✓	2400	5.750,00 €
MU-FM 140 RE	FM140B-SPWRR	✓	✓	✓	✓	2200	6.025,00 €
MU-FM 140 LI	FM140V-SPWRL	✓	✓	✓	✓	2200	6.025,00 €
MU-FM 140 RE KUBOTA	FM140V-SPWPR-KU	✓	✓	✓	✓	2400	6.025,00 €
MU-FM 160 RE	FM160V-SPWRR	✓	✓	✓	✓	2200	6.465,00 €
MU-FM 160 LI	FM160B-SPWRL	✓	✓	✓	✓	2200	6.465,00 €
MU-FM 160 RE KUBOTA	FM160V-SPWPR-KU	✓	✓	✓	✓	2400	6.465,00 €

Order code	optional equipment	€ without VAT
FMZ60.KU-30XX	Attachment adapter, suitable for KUBOTA F2560, F3060 and F3560 Direction of rotation right, PTO shaft profile 1" Z10	- €
FMZ60.KU-2880-3680	Attachment adapter, suitable for KUBOTA series 2021: F-251, F-391 series 2014: F2890, F3090, F3890 series 2006: F2880, F3680, F2560, F3060, F3560 Direction of rotation right, PTO shaft profile 1" Z10	- €
FMZ60.JD-F14XX-15XX	Attachment adapter, suitable for JOHN DEERE F1435, 1445, 1545, 1565 series 2014: 1550, 1570, 1575, 1580, 1585 Direction of rotation left, PTO shaft profile 1" Z15	- €
FMZ60.IS-3XX	Attachment adapter, suitable for ISEKI SF 300, 303, 310, 330, 333 and 370 Direction of rotation left, PTO shaft profile 1 3/8" Z6	- €
FMZ60.IS-SF2XX	Attachment adapter, suitable for ISEKI SF 224, 235, 438, 450, 544 (Stage V), 551 (Stage V) Direction of rotation left, PTO shaft profile 1" Z15	625,00 €
FMZ60.SH-CM284-364	Attachment adapter, suitable for SHIBAURA CM 284, 314, 364 and CM 374 Direction of rotation right, PTO shaft profile 1" Z15	- €
FMZ60.GR-FD2200	Attachment adapter, suitable for GRILLO FD 13.09, FD 2200, FD 2200 TS Direction of rotation left, PTO shaft profile 1" Z14	770,00 €
FMZ15.KT0	Coupling triangle, Cat. 0	735,00 €
FMZ15.KT1N	Coupling triangle, Cat. 1N	770,00 €
00031128	MU-SOFA® weight transfer system, recommended for front-mounted implements, for mounting on the tractor	1.120,00 €
FMZ96	Second screw-type short chopping bar system "Shark fin" design – a MÜTHING patent	135,00 €
FMZ39	Strong, height adjustable support wheels, 360° swivel in front of the flail (Ø ca. 235 mm height and ca 80 mm wide) (only available for working width 140/160)	545,00 €
FMZ41	Wear insert in housing (factory mounted)	390,00 €
FMZ08	Forward-mounted BEEHAPPY insect rescuer, celebration	1.710,00 €
	<b>Prior freight component</b>	Ex Works
	<b>Packaging / palletisation</b>	70.00 €
	<b>Freight costs for supplemental delivery of accessories</b>	Ex Works
	<b>Initial induction</b>	200.00 €

\* **PLEASE NOTE:** For front attachment, please specify the direction of rotation of the front PTO shaft (right or left in the direction of travel) as well as the speed and size of the PTO shaft stub (see overview of PTO shaft profiles).  
When ordering, please be sure to fill out and submit the data sheet (see checklist data sheet for small tractors). When installing at the front, be sure to pay attention to the front axle loads!

# Flail mower 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
- **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
- Hardox wear runners, screw-type
- Highly tempered spring steel flaps with swing protection
- **Hydraulic hoses without couplings**
- Sturdy, large and vertically adjustable support wheels, 360° swivelling (dia. approx. 235 mm and approx. 80 mm wide)

## Options

- Headstock with coupling triangle, Cat. 0
- Headstock with coupling triangle, Cat. 1N
- 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, celebration

MU-FM	120	140	160
Working width (cm)	120	140	160
outside width (cm)	145	165	185
Oil engine power requirement	35 - 70	45 - 70	45 - 70
Transport weight	201	217	232
number of tools	20	24	28
Rotor diameter (mm)	110	110	110
Support roller diameter (mm)	120	120	120
Number of V-belts	2	2	2



# Flail mower MU-FM Hydro

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



Description	Order code	Front attachment	Support roller	M carbide shackle knife	€ without VAT
MU-FM Hydro 120	FM120B-SOW--	✓	✓	✓	5.945,00 €
MU-FM Hydro 140	FM140B-SOW--	✓	✓	✓	6.255,00 €
MU-FM Hydro 160	FM160B-SOW--	✓	✓	✓	6.600,00 €

Order code	optional equipment	€ without VAT
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*	<b>PLEASE NOTE: Be sure to specify volume flow when ordering</b>	
FMZ21.C	Drive hydraulic, Designed for hydraulic drive volume flow vehicles 35 - 40 l/min	- €
FMZ21.F	Drive hydraulic, Designed for hydraulic drive volume flow vehicles 45 - 50 l/min	- €
FMZ21.H	Drive hydraulic, Designed for hydraulic drive volume flow vehicles 55 - 60 l/min	- €
FMZ21.J	Drive hydraulic, Designed for hydraulic drive volume flow vehicles 65 - 70 l/min	- €

*	<b>PLEASE NOTE: When ordering, please specify the maximum liter capacity and the maximum oil pressure as well as the type of vehicle (see checklist for MU-Hydro mulching devices).</b>	
FMZ81	Pressure limitation valve for operating pressure over 180 bar	520,00 €

FMZ70.UN	Adaptations, universal	565,00 €
FMZ70.AV	Adaptations, suitable for MULTIONE, AVANT, CAST, NORCAR	715,00 €
FMZ70.EU3	Adaptations, for loaders with Euro 3 attachment	715,00 €
FMZ70.SC-336	Adaptations, suitable for SCHÄFFER 336 (old series)	715,00 €
FMZ70.SC-SWH	Adaptations, suitable for SCHÄFFER with attachment SWH	715,00 €
FMZ70.WM-HY	Adaptations, suitable for WEIDEMANN with hydraulic locking	715,00 €
FMZ60.JD-1505	Attachment adapter, suitable for JOHN DEERE 1505	925,00 €
FMZ15.KT0	Coupling triangle, Cat. 0	735,00 €
FMZ15.KT1N	Coupling triangle, Cat. 1N	770,00 €
FMZ72	Adapter plate with hydraulic side shift 700 mm to the right, without vehicle-specific attaching parts, hydraulic, 700 mm to the right	1.995,00 €
FMZ71.AV	Adaptions movable, suitable for MULTIONE, AVANT, CAST, NORCAR	670,00 €
FMZ71.EU3	Adaptions movable, for loaders with Euro 3 attachment	670,00 €
FMZ71.SC-336	Adaptions movable, suitable for SCHÄFFER 336 (old series)	670,00 €
FMZ71.SC-SWH	Adaptions movable, suitable for SCHÄFFER with attachment SWH	670,00 €
FMZ71.WM	Adaptions movable, suitable for WEIDEMANN	670,00 €

FMZ96	Second screw-type short chopping bar system „Shark fin“ design – a MÜTHING patent	135,00 €
FMZ39	Strong, height adjustable support wheels, 360° swivel in front of the flail (Ø ca. 235 mm height and ca 80 mm wide) (only available for working width 140/160)	545,00 €
FMZ41	Wear insert in housing (factory mounted)	390,00 €
FMZ08	Forward-mounted BEEHAPPY insect rescuer, celebration	1.710,00 €

	<b>Prior freight component</b>	Ex Works
	<b>Packaging / palletisation</b>	70.00 €
	<b>Freight costs for supplemental delivery of accessories</b>	Ex Works
	<b>Initial induction</b>	200.00 €



# Flail mower MU-COLLECT Vario

Front mulcher with collecting function

For carrier vehicles and compact tractors from 20 to 40 hp





# Flail mower details

## MU-COLLECT Vario

**Müthing**



- Mechanical drive optimized for vehicle



- Cat. 0 coupling triangle



- Cat. 1 coupling triangle



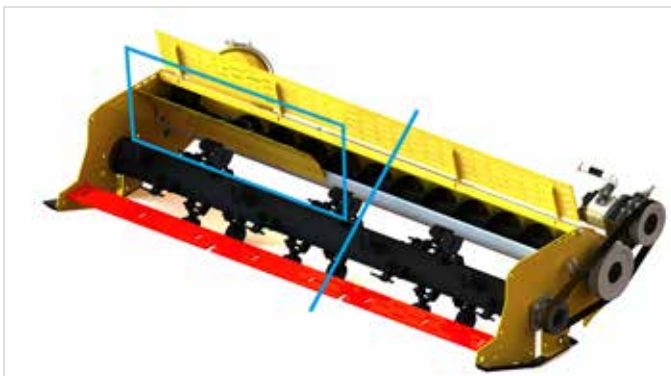
- Mounting console for support arms



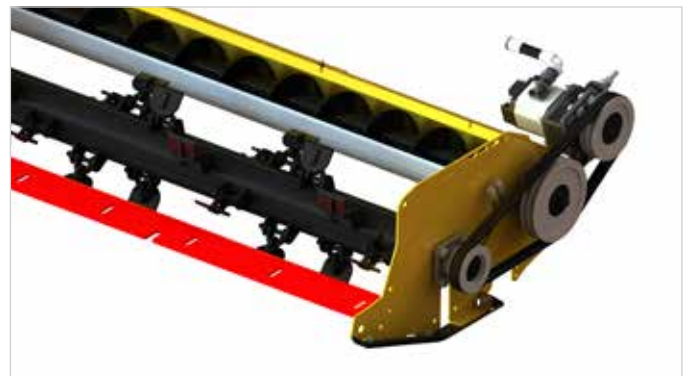
- Vehicle-specific discharge centrally or to the right on the MU-COLLECT 160 Vario (in direction of travel).



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



- 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 mower 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: 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.
- Low-lying gearbox in the middle with freewheel for 2000 rpm, convertible to 1,000 rpm or 2,500 rpm
- Ejection selectable: Center DN 200 / Center DN 220 / Right DN 200 (only for MU-Collect 160)
- A shared V-belt drive for the rotor and collecting augur 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 augur with blockage protection for full delivery hose
- **PTO shaft with hardened inner tube and cap bottom lubrication**
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- Hardox wear runners, screw-type
- Highly tempered spring steel flaps with swing protection
- Sturdy, large and vertically adjustable support wheels, 360° swivelling (dia. approx. 235 mm and approx. 80 mm wide)

## Options

- Two-point mount for support arms of carrier vehicles
- Quick-coupling triangle, Cat. 0
- Quick-coupling triangle, Cat. 1N
- Vertical meter (only CE marking), with additional holding slabs for the support roller and safety bar
- Short cut angle for optimal work results on demanding surfaces
- MU-SOFA® weight transfer system, recommended for front-mounted machines
- Forward-mounted BEEHAPPY insect rescuer, celebration
- Operating hours counter with sensor, time recording using rotation pulse

MU-COLLECT	140	160
Working width (cm)	140	160
outside width (cm)	162	182
PTO shaft speed	1000 / 2000 / 2500	1000 / 2000 / 2500
max. tractor horsepower (HP)	40	40
Transport weight	223	244
Minimum tractor weight	650	700
number of tools	24	28
Rotor diameter (mm)	110	110
Support roller diameter (mm)	100	100
Number of V-belts	2	2

# Flail mower MU-COLLECT Vario

## Front mulcher with collecting function

For carrier vehicles and compact tractors from 20 to 40 hp



Description	Order code	Front attachment	Support roller	M carbide shackle knife	Scarifying knife	PTO shaft speed	€ without VAT
MU-COLLECT 140	CC140B-SOS--	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2000	9.490,00 €
MU-COLLECT 160	CC160B-SOS--	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2000	9.850,00 €

Order code	optional equipment	€ without VAT
CCZ15.KT0	Coupling triangle, Cat. 0	655,00 €
CCZ15.KT1N	Coupling triangle, Cat. 1N	880,00 €
CCZ63.UN	Two-point mount for support arms of carrier vehicles, universal for Kubota F-Series, direction of rotation right, PTO shaft profile 1" Z10	500,00 €
CCZ60.IS-SF2-4	Attachment adapter, suitable for ISEKI SF 237, 438, 450, 544 and 551 direction of rotation left, PTO shaft profile 1" Z15	1.065,00 €
CCZ60.GR-FD2200-2200TS	Attachment adapter, suitable for GRILLO FD 2200 and FD 2200TS direction of rotation left, PTO shaft profile 1" Z14	1.065,00 €
CCZ69.MI-200	sputum, Central discharge, nominal dia. 200 mm	- €
CCZ69.RE-200	sputum, Auswurf rechts DN 200 mm	- €
CCZ69.MI-220	sputum, Central discharge, nominal dia. 220 mm	- €
CCZ43	Short cutting angle for optimal work results on demanding surfaces	300,00 €
CCZ50	Scarifying blade	520,00 €
CCZ51	Scarifying blade as a package	520,00 €
00031128	MU-SOFA® weight transfer system, recommended for front-mounted implements, for mounting on the tractor	1.120,00 €
MFZ90	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
CCZ08	Forward-mounted BEEHAPPY insect rescuer, celebration	1.710,00 €
	<b>Prior freight component</b>	Ex Works
	<b>Packaging / palletisation</b>	70.00 €
	<b>Freight costs for supplemental delivery of accessories</b>	Ex Works
	<b>Initial induction</b>	250.00 €

\*

**PLEASE NOTE:** For front attachment, please specify the direction of rotation of the front PTO shaft (right or left in the direction of travel) as well as the speed and size of the PTO shaft stub (see overview of PTO shaft profiles).  
When ordering, please be sure to fill out and submit the data sheet (see checklist data sheet for small tractors). When installing at the front, be sure to pay attention to the front axle loads!

# 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 headstock Cat. 1
- With mechanical side shift:  
MU-E 140 Vario: 20 cm;  
MU-E 160 - 200 Vario: 25 cm

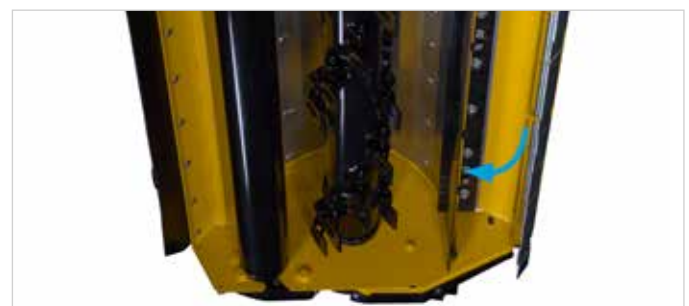


### Variant B: (Front mounting with municipal quick-coupling mounting triangle)

- Low-mounted gear box with freewheel for 1,000 rpm, can be converted to 2,000 rpm.
- 3-point headstock 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 flail**
- Smooth-running rotor with specially formed tool 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



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



- Hydraulic side shift (1x DA)



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



- 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 mower MU-E Vario

Front and / or rear mounting

for compact tractors and carrier vehicles from 25 to 60 hp



**Müthing**

**Vario**



Details MU-E page: 36-37

## Standard Equipment

- **Version A: (Front or Rear mounting Cat. 1)**
- Specially designed 3-point headstock Cat. 1
- With mechanical side shift; MU-E 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 attachment with quick-coupling 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 headstock with quick-coupling triangle, Cat. 0 (front mounting only), adjustable
- Made of High Quality fine-grain QSt/E steel
- 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
- Highly tempered spring steel flaps with swing protection
- Adjustable Vario cutting bar for adjusting the shredding rate**
- PTO shaft with hardened inner tube and cap bottom lubrication**

## Options

- Shiftable 3-point headstock 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 machines
- Short cut flap for optimal work results on demanding surfaces
- Second screw-type short chopping bar system „Shark fin“ design – a Müthing patent**
- Wear insert in housing (factory mounted)
- Sturdy, large and vertically adjustable support wheels, 360° swivelling (dia. approx. 235 mm and approx. 80 mm wide)
- Front-mounted „BEEHAPPY“ insect saver, 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)

MU-E	140	160	180	200
Working width (cm)	140	160	180	200
outside width (cm)	159	179	198	219
PTO shaft speed	540 / 1000 / 2000	540 / 1000 / 2000	540 / 1000 / 2000	540 / 1000 / 2000
max. tractor horsepower (HP)	60	60	60	60
Transport weight	300	330	360	390
number of tools	24	28	32	36
Rotor diameter (mm)	130	130	130	130
Support roller diameter (mm)	120	120	120	120
Number of V-belts	2	2	2	2

# Flail mower MU-E Vario

Front and / or rear mounting

for compact tractors and carrier vehicles from 25 to 60 hp



Description	Order code	Front attachment	Rear attachment	Support roller	M carbide shackle knife	Single bracket can be moved	Central drive	PTO shaft speed	€ without VAT
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## → Version A: (Front or Rear mounting Cat. 1)

MU-E 140 HE RE	E140B-SEWBR	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	540	5.600,00 €
MU-E 160 HE RE	E160B-SEWBR	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	540	5.805,00 €
MU-E 180 HE RE	E180B-SEWBR	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	540	6.015,00 €
MU-E 200 HE RE	E200B-SEWBR	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	540	6.145,00 €

## → Version B: (front attachment with quick-coupling triangle Cat.

MU-E 140 FR LI	E140B-SKWDL	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1000	5.805,00 €
MU-E 140 FR RE	E140V-SKWDR	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1000	5.805,00 €
MU-E 160 FR LI	E160B-SKWDL	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1000	5.940,00 €
MU-E 160 FR RE	E160V-SKWDR	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1000	5.940,00 €
MU-E 180 FR LI	E180B-SKWDL	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1000	6.125,00 €
MU-E 180 FR RE	E180V-SKWDR	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1000	6.125,00 €

Order code	optional equipment	€ without VAT
EZ20-DZ/DR	Change drive, to a different speed and direction of rotation	250,00 €
EZ02	Hydraulic side shift (1 double acting spool valve required) , short, for working widths 140 - 180 cm (15 cm stroke with low gearbox)	475,00 €
EZ03	Hydraulic side shift (1 double acting spool valve required) , long, for working widths 160 - 200 cm (26 cm stroke) with Euro mount, only from MU-E 180 Hydro	475,00 €
EZ70.KT1.U	Adaptations, Cat. 1 Three-point headstock	220,00 €
EZ15.KT1N.U	Coupling triangle, Cat. 1N	240,00 €
00031128	MU-SOFA® weight transfer system, recommended for front-mounted implements, for mounting on the tractor	1.120,00 €
EZ96	Second screw-type short chopping bar system "Shark fin" design – a MÜTHING patent	135,00 €
EZ31	Strong, height adjustable support wheels, 360° swivel in front of the flail (Ø ca. 235 mm height and ca 80 mm wide)	975,00 €
EZ41	Wear insert in housing (factory mounted)	500,00 €
EZ49	Short cutting angle for optimal work results on demanding surfaces	505,00 €
EZ90	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
EZ08	Forward-mounted BEEHAPPY insect rescuer, celebration	1.710,00 €
	<b>Prior freight component</b>	Ex Works
	<b>Packaging / palletisation</b>	70.00 €
	<b>Freight costs for supplemental delivery of accessories</b>	Ex Works
	<b>Initial induction</b>	200.00 €

*	<b>PLEASE NOTE:</b> For front attachment, please specify the direction of rotation of the front PTO shaft (right or left in the direction of travel) as well as the speed and size of the PTO shaft stub (see overview of PTO shaft profiles). When ordering, please be sure to fill out and submit the data sheet (see checklist data sheet for small tractors). When installing at the front, be sure to pay attention to the front axle loads!	
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# 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.



Adapter plates to MU-CONNECT 200 (examples)

Technical drawings can be found on page 122



- 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



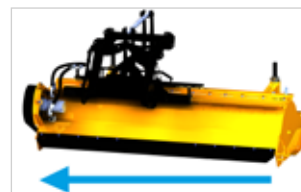
- Adapter plate for LIEBHERR loader, CLAAS Torion (Zettelmeyer 602), KUBOTA



- Adapter plate for MULTIONE, AVANT



- 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 mower MU-E Hydro Vario

for carrier vehicles with hydraulic drive from 50 to 90 l/min and a maximum operating weight of 3.5 t



Details MU-E Hydro page: 40-41

## 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)
- 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
- Hardox wear runners, screw-type
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- **Hydraulic hoses without couplings**

## Options

- Headstock Cat. 1
- MU-CONNECT 200 basic element with add-on parts
- 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 screw-type short chopping bar system „Shark fin“ design – a Müthing patent**
- Safety valve for operating pressure over 180 bar
- MU-SOFA® weight transfer system, recommended for front-mounted machines

MU-E	140	160	180	200
Working width (cm)	140	160	180	200
outside width (cm)	159	179	198	219
Oil engine power requirement	50 - 90	50 - 90	50 - 90	50 - 90
Transport weight	280	310	340	370
Maximum weight of carrier vehicle (kg)	3.500	3.500	3.500	3.500
number of tools	24	28	32	36
Rotor diameter (mm)	130	130	130	130
Support roller diameter (mm)	120	120	120	120
Number of V-belts	2	2	2	2

# Flail mower MU-E Hydro Vario

for carrier vehicles with hydraulic drive from 50 to 90 l/min and  
a maximum operating weight of 3.5 t



Description	Order code	Front attachment	Support roller	M carbide shackle knife	Single bracket can be moved	€ without VAT
MU-E Hydro 140	E140V-SOW--	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5.505,00 €
MU-E Hydro 160	E160V-SOW--	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5.705,00 €
MU-E Hydro 180	E180V-SOW--	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5.875,00 €
MU-E Hydro 200	E200B-SOW--	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6.005,00 €

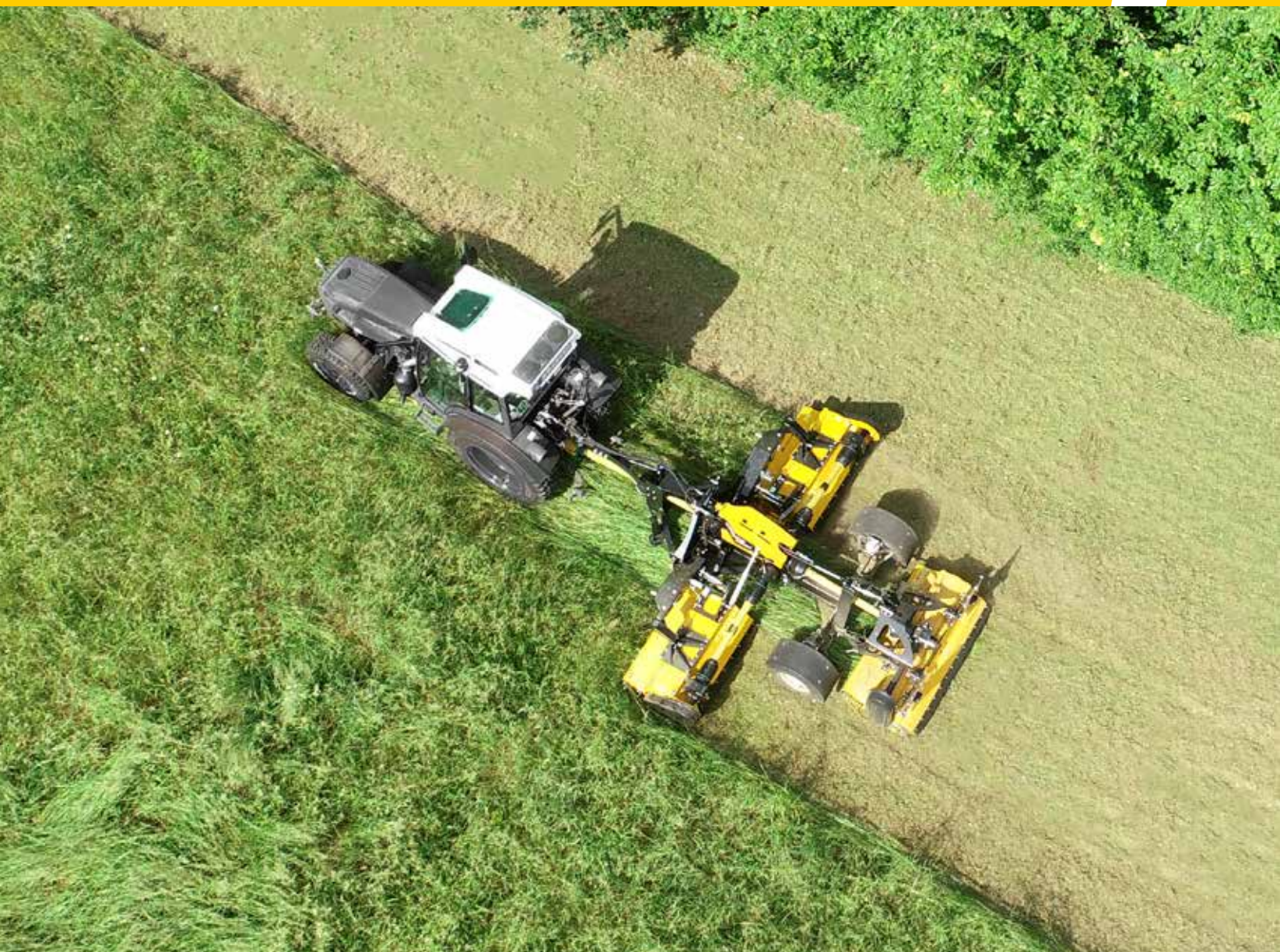
Order code	optional equipment	€ without VAT
*	<b>PLEASE NOTE: Be sure to specify volume flow when ordering</b>	
EZ21.G	Drive hydraulic, Designed for hydraulic drive volume flow vehicles 50 - 55 l/min	- €
EZ21.IJ	Drive hydraulic, Designed for hydraulic drive volume flow vehicles 60 - 70 l/min	- €
EZ21.K	Drive hydraulic, Designed for hydraulic drive volume flow vehicles 70 - 75 l/min	- €
EZ21.M	Drive hydraulic, Designed for hydraulic drive volume flow vehicles 75 - 80 l/min	- €
EZ21.O	Drive hydraulic, Designed for hydraulic drive volume flow vehicles 85 - 90 l/min	- €
*	<b>PLEASE NOTE: When ordering, please specify the maximum liter capacity and the maximum oil pressure as well as the type of vehicle (see checklist for MU-Hydro mulching devices).</b>	
EZ81	Pressure limitation valve for operating pressure over 180 bar	520,00 €
EZ02	Hydraulic side shift (1 double acting spool valve required) , short, for working widths 140 - 180 cm (15 cm stroke with low gearbox)	475,00 €
EZ03	Hydraulic side shift (1 double acting spool valve required) , long, for working widths 160 - 200 cm (26 cm stroke) with Euro mount, only from MU-E 180 Hydro	475,00 €
EZ11.FR	Single headstock, adjustable, Front mounted	1.350,00 €
EZ70.KT1	Adaptations, Cat. 1 Three-point hitch, only in conjunction with EZ11.FR	- €
EZ15.KT0	Coupling triangle, Cat. 0 , only in conjunction with EZ11.FR	- €
EZ15.KT1N	Coupling triangle, Cat. 1N , only in conjunction with EZ11.FR	- €
*	<b>PLEASE NOTE: Adaptations for farm loaders include the MU-Connect 200 basic element</b>	
EZ70.UN	Adaptations, universal	1.890,00 €
EZ70.EU3	Adaptations, for loaders with Euro 3 attachment	1.950,00 €
EZ70.SC-SWH	Adaptations, suitable for SCHÄFFER with attachment SWH	1.950,00 €
EZ70.WM-HY	Adaptations, suitable for WEIDEMANN with hydraulic locking	1.950,00 €
EZ70.KR	Adaptations, suitable for KRAMER Lader	1.950,00 €
EZ70.KR-SM	Adaptations, suitable for KRAMER loader narrow (distance hook 355 mm, external size)	1.950,00 €
EZ70.LH-CL-KU	Adaptations, suitable for CLAAS Torion, KUBOTA and LIEBHERR	1.950,00 €
EZ70.MA-MT625	Adaptations, suitable for MANITOU	2.080,00 €
EZ70.MO-AV-CT	Adaptations, suitable for MULTIONE, AVANT, NORCAR and CAST	1.950,00 €
EZ70.MCF-M29	Adaptations, suitable for MULTICAR Tremo and M29 with an additional hydraulic elevation	2.385,00 €
EZ96	Second screw-type short chopping bar system „Shark fin“ design – a MÜTHING patent	135,00 €
EZ41	Wear insert in housing (factory mounted)	500,00 €
EZ49	Short cutting angle for optimal work results on demanding surfaces	505,00 €
	<b>Prior freight component</b>	Ex Works
	<b>Packaging / palletisation</b>	70.00 €
	<b>Freight costs for supplemental delivery of accessories</b>	Ex Works
	<b>Initial induction</b>	200.00 €



# Flail Mower MU-E/F Trail Vario

Large-area flail mower

For compact tractors and tractors from 60 to 180 hp





# Flail Mower details

## MU-E/F Trail Vario

**Müthing**



- Efficient powertrain, compact design for high driving power. The central mounted 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.



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

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



- 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.

# Flail Mower MU-E/F Trail Vario

Large-area flail mower

For compact tractors and tractors from 60 to 180 hp



Details MU-E/F Trail page: 45

## 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
- 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 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)
- Hardox wear runners, screw-type
- Drawbar connection with D40 towing eye
- 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
- Hydraulic folding, 2 SA and 1 DA valves are required
- Hydraulic folding, 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
- Conversion to speed 540 rpm, up to drive lines of max. 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 with sensor, time recording using rotation pulse

MU-E/F Trail	360	460	560
Working width (cm)	360	460	560
outside width (cm)	388	488	588
PTO shaft speed	540 / 1000	540 / 1000	540 / 1000
max. tractor horsepower (HP)	180	180	180
Transport weight	1950	2150	2350
Minimum tractor weight	1500	1700	1900
number of tools	68	88	108
Rotor diameter (mm)	130	130	130
Support roller diameter (mm)	120	120	120
Number of V-belts	3 x 2	3 x 2	3 x 2

# Flail Mower MU-E/F Trail Vario

## Large-area flail mower

### For compact tractors and tractors from 60 to 180 hp



Description	Order code	Support roller	M carbide shackle knife	Central drive	PTO shaft speed	€ without VAT
MU-E/F Trail 360	ET360B-SUDDR	additional chassis	✓	✓	1000	42.595,00 €
MU-E/F Trail 460	ET460B-SUDDR	additional chassis	✓	✓	1000	43.685,00 €
MU-E/F Trail 560	ET560B-SUDDR	additional chassis	✓	✓	1000	44.775,00 €

Order code	optional equipment	€ without VAT
ETZ20.540	Change drive to 540 rpm, recommended up to a drive power of 130 hp	630,00 €
ETZ66.D50	Train devices, Towing eye D50	80,00 €
ETZ66.K80	Train devices, Towing ball K80	225,00 €
ETZ98	2-line air brake system with chassis for 40 km/h	3.820,00 €
ETZ49	Short cutting angle for optimal work results on demanding surfaces	1.510,00 €
ETZ96	Second screw–type short chopping bar system "Shark fin" design – a MÜTHING patent	395,00 €
ETZ90	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
XZ99.TUEV40	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	Ex Works
	Freight costs for supplemental delivery of accessories	Ex Works
	Initial induction	400,00 €

# Flail mower MU-ECOTOP

## Rear mounting

for tractors from 30 to 75 hp



## Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel 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**

ECOTOP	160	180	200
Working width (cm)	160	180	200
outside width (cm)	177	197	217
PTO shaft speed	540	540	540
max. tractor horsepower (HP)	75	75	75
Transport weight	352	372	390
number of tools	14	16	16
Rotor diameter (mm)	140	140	140
Support roller diameter (mm)	140	140	140
Number of V-belts	3	3	3



# Flail mower MU-ECOTOP

## Rear mounting

### for tractors from 30 to 75 hp



Description	Order code	Rear attachment	Support roller	M-hammer flail	Central drive	Drive off-center	PTO shaft speed	€ without VAT
MU-ECOTOP 160	ECO160B-HFWBR	Cat. 1 + 2	☑	☑	☑	-	540	4.560,00 €
MU-ECOTOP 180	ECO180B-HFWAR	Cat. 1 + 2	☑	☑	-	☑	540	4.665,00 €
MU-ECOTOP 200	ECO200B-HFWAR	Cat. 1 + 2	☑	☑	-	☑	540	4.770,00 €

Order code	optional equipment	€ without VAT
	Prior freight component	Ex Works
	Packaging / palletisation	70.00 €
	Freight costs for supplemental delivery of accessories	Ex Works
	Initial induction	200.00 €

# Flail mower details

## MU-H Vario



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



- 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.



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



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



- Hydraulic 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 headstock 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 mower MU-H Vario

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



Details MU-H page: 50

## 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
- Support leg
- **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

- Special three-point headstock, Cat. 1, for carrier vehicles (e.g.: Aebi, Reform)
- Front/rear 3-point headstock Cat. 1 + 2 (laterally adjustable)
- 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 lift;  
MU-H 160 - 220 Vario: 56 cm lift
- Conversion to central drive (only for MU-H 180-220)
- M-Shackle flail (CE marking only on MU-H 220)
- Wear insert in housing (factory mounted)
- **Second screw-type short chopping bar system „Shark fin“ design – a Müthing patent**
- 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
- **Front-mounted „BEEHAPPY“ insect saver MU-H 160 - 220 Vario**

MU-H	120	140	150	160	180	200	220
Working width (cm)	120	140	150	160	180	200	220
outside width (cm)	138	158	168	178	198	218	238
PTO shaft speed	540 / 1000	540 / 1000	540 / 1000	540 / 1000	540 / 1000	540 / 1000	540 / 1000
max. tractor horsepower (HP)	90	90	90	90	90	90	90
Transport weight	380	465	480	500	535	555	635
number of tools	10	12	12	14	16	16	18
Rotor diameter (mm)	140	140	140	140	140	140	160
Support roller diameter (mm)	140	140	140	140	140	140	140
Number of V-belts	3	3	3	3	3	3	3

# Flail mower MU-H Vario

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



Description	Order code	Front / rear attachment	M-hammer flail	M shackle knife	Single bracket can be moved	Central drive	Drive off-center	PTO shaft speed	€ without VAT
MU-H 120 Vario	H120B-HFWAR	Cat. 1 + 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-	-	<input checked="" type="checkbox"/>	540	5.090,00 €
MU-H 140 Vario	H140B-HEWAR	Cat. 1 + 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	540	5.580,00 €
MU-H 150 Vario	H150B-HEWAR	Cat. 1 + 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	540	5.670,00 €
MU-H 160 Vario	H160B-HEWBR	Cat. 1 + 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	540	5.815,00 €
MU-H 180 Vario	H180B-HEWAR	Cat. 1 + 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	540	5.985,00 €
MU-H 200 Vario	H200B-HEWAR	Cat. 1 + 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	540	6.355,00 €
MU-H 220 Vario	H220B-HEWAR	Cat. 1 + 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	540	6.950,00 €

For central gearbox position, please select option HZ20-AM!

Order code	optional equipment	€ without VAT
HZ20-DF	Change drive, Double freewheel in the gearbox, for different directions of rotation of the PTO shaft	490,00 €
HZ20-DZ/DR	Change drive, to a different speed and direction of rotation	250,00 €
HZ20-AM	Change drive, on central drive for MU-H 180 - 220	250,00 €
HZ02	Hydraulic side shift (1 double acting spool valve required) , short, for working widths 140 - 150 cm (40 cm stroke)	395,00 €
HZ03	Hydraulic side shift (1 double acting spool valve required) , long, for working widths 160 - 220 cm (56 cm stroke)	395,00 €
HZ12	Front and rear headstock, Cat. 1 +2, adjustable	255,00 €
HZ14	Special three-point linkage, Cat. 1, for carrier vehicles	390,00 €
HZ70.UV-KT1	Adaptations, Lower link extension, cat. 1	290,00 €
HZ70.UV-KT2	Adaptations, Lower link extension, cat. 2	290,00 €
HZ35	Front shock-absorbing spring assembly required for front mounting	375,00 €
00031128	MU-SOFA® weight transfer system, recommended for front-mounted implements, for mounting on the tractor	1.120,00 €
HZ91	MU-SOFA® weight transfer system, recommended for front-mounted implements, optionally installed on mulcher	1.495,00 €
HZ52	Smooth-running rotor with specially formed tool holders arranged in a spiral pattern, with M-Shackle Flail (Attention, extended delivery times!)	810,00 €
HZ96	Second screw-type short chopping bar system "Shark fin" design – a MÜTHING patent, Height 36 mm (at a hammer rotor) / Height 31 mm (with shackle rotor)	190,00 €
HZ40	Dust protection for front mounting , available for working widths 180-220	475,00 €
HZ41	Wear insert in housing (factory mounted)	520,00 €
HZ30	Warning signs with LED lighting equipment with turn signal failure indicator with lighting equipment support (fitted), for working widths 140 - 220 cm	880,00 €
HZ90	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
HZ09-ME	Forward-mounted BEEHAPPY insect rescuer, foldable, mechanical/ manual (for MU-H 160 - 220), not compatible with hydraulic side shift!	2.710,00 €
HZ09-HY	Forward-mounted BEEHAPPY insect rescuer, foldable, Hydraulically folding, 1 DA valves are required (for MU-H 160 - 220), not compatible with hydraulic side shift!	3.415,00 €
	<b>Prior freight component</b>	Ex Works
	<b>Packaging / palletisation</b>	70,00 €
	<b>Freight costs for supplemental delivery of accessories</b>	Ex Works
	<b>Initial induction</b>	200,00 €

# Flail mower MU-L Vario

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



Details MU-L page: 51



## 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
- 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
- Large support roller for adjusting working height of mulcher
- Robust Starinthe® rear roller bearing system
- Support leg
- **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 3-point headstock Cat. 1 + 2 (laterally adjustable)
- Special three-point headstock, 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
- Conversion to central drive (only for MU-L 180, 200, 250, 280)
- M-Shackle flails
- Wear insert in housing (factory mounted)
- **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
- Dust protection for front mounting with MU-L 180 - 220 Vario
- 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)
- **Front-mounted „BEEHAPPY“ insect saver MU-L 180 - 250 Vario**

MU-L	180	200	220	250	280
Working width (cm)	180	200	220	250	280
outside width (cm)	197	217	237	267	297
PTO shaft speed	540 / 1000	540 / 1000	540 / 1000	540 / 1000	1000
max. tractor horsepower (HP)	130	130	130	130	130
Transport weight	640	670	740	790	885
number of tools	16	16	18	22	24
Rotor diameter (mm)	160	160	160	160	180
Support roller diameter (mm)	195	195	195	195	195
Number of V-belts	4	4	4	4	4



# Flail mower MU-L Vario

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



Description	Order code	Front / rear attachment	M-hammer flail	M shackle knife	Single bracket can be moved	Central drive	Drive off-center	PTO shaft speed	€ without VAT
MU-L 180 Vario	L180B-HEWAR	Cat. 1 + 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	540	6.995,00 €
MU-L 200 Vario	L200B-HEWAR	Cat. 1 + 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	540	7.335,00 €
MU-L 220 Vario	L220B-HEWBR	Cat. 1 + 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	540	7.690,00 €
MU-L 250 Vario	L250B-HEWAR	Cat. 1 + 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	540	8.090,00 €
MU-L 280 Vario	L280V-HEWCR	Cat. 1 + 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1000	8.660,00 €

For central gearbox position, please select option LZ20-AM!

Order code	optional equipment	€ without VAT
LZ20-DF	Change drive, Double freewheel in the gearbox, for different directions of rotation of the PTO shaft	670,00 €
LZ20-DZ/DR	Change drive, to a different speed and direction of rotation	250,00 €
LZ20-AM	Change drive, on central drive on MU-L 180, 200, 250, 280	250,00 €
LZ02	Hydraulic side shift (1 double acting spool valve required) , short, for working widths 180 - 250 cm with central attachment, (40 cm stroke)	395,00 €
LZ03	Hydraulic side shift (1 double acting spool valve required) , long (56 cm stroke)	395,00 €
LZ12	Front and rear headstock, Cat. 1 +2, adjustable	255,00 €
LZ14	Special three-point linkage, Cat. 1, for carrier vehicles	390,00 €
LZ40	Dust protection for front mounting , available for working widths 180-220	475,00 €
LZ35	Front shock-absorbing spring assembly required for front mounting	375,00 €
00031128	MU-SOFA® weight transfer system, recommended for front-mounted implements, for mounting on the tractor	1.120,00 €
LZ91	MU-SOFA® weight transfer system, recommended for front-mounted implements, optionally installed on mulcher	1.495,00 €
LZ52	Smooth-running rotor with specially formed tool holders arranged in a spiral pattern, with M-Shackle Flail (Attention, extended delivery times!)	1.010,00 €
LZ96	Second screw-type short chopping bar system "Shark fin" design – a MÜTHING patent, Height 47 mm (at a hammer rotor) / Height 32 mm (with shackle rotor)	240,00 €
LZ41	Wear insert in housing (factory mounted)	655,00 €
LZ46.SP	Cleaner cutting edge for displaced support roller, SP	705,00 €
LZ30	Warning signs with LED lighting equipment with turn signal failure indicator with lighting equipment support (fitted)	880,00 €
LZ90	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
LZ09-ME	Forward-mounted BEEHAPPY insect rescuer, foldable, mechanical/ manual (for MU-L 180 - 250), not compatible with hydraulic side shift!	2.710,00 €
LZ09-HY	Forward-mounted BEEHAPPY insect rescuer, foldable, Hydraulically folding, 1 DA valves are required (for MU-L 180 - 250), not compatible with hydraulic side shift!	3.415,00 €
	<b>Prior freight component</b>	Ex Works
	<b>Packaging / palletisation</b>	70.00 €
	<b>Freight costs for supplemental delivery of accessories</b>	Ex Works
	<b>Initial induction</b>	200.00 €

# 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

**Müthing**



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



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



- The 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 mower MU-C/S

Side flail mower with fixed offset headstock  
for tractors from 20 to 35 hp



Details MU-C/S page: 56

## 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**
- Belt protection with tension measuring slot
- 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
- Hardox wear runners, screw-type
- 2 Support legs
- 1 double acting spool valve required with float position
- **PTO shaft with hardened inner tube and cap bottom lubrication**

MU-C/S	100	120
Working width (cm)	100	120
outside width (cm)	160	180
PTO shaft speed	540	540
max. tractor horsepower (HP)	35	45
Transport weight	208	225
Minimum tractor weight	650	700
number of tools	16	20
Rotor diameter (mm)	110	110
Support roller diameter (mm)	100	100
Number of V-belts	2	2

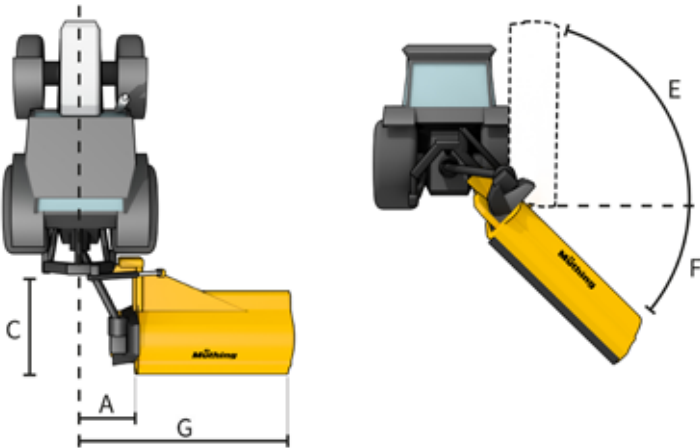
# Flail mower MU-C/S

## Side flail mower with fixed offset headstock for tractors from 20 to 35 hp



Description	Order code	Rear attachment	Support roller	M carbide shackle knife	PTO shaft speed	€ without VAT
MU-C/S 100	CS100B-SFWAR	☑	☑	☑	540	5.265,00 €
MU-C/S 120	CS120B-SFWAR	☑	☑	☑	540	5.455,00 €

Order code	optional equipment	€ without VAT
	Prior freight component	Ex Works
	Packaging / palletisation	70.00 €
	Freight costs for supplemental delivery of accessories	Ex Works
	Initial induction	200.00 €



MU-C/S	100	120
Working width (cm)	100	120
(A) Lateral structure to the right	58	58
(C) Transport length to the rear	122	122
(G) Outside width to the right	160	180
(E) Angle range upwards	90°	90°
(F) Angle range downwards	45°	45°

# Multi purpose flail mower MU-FM/S

Rear and side multi-purpose flail mower  
for tractors from 30 to 45 hp



Details MU-FM/S page: 57

## Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel with headstock Cat. 1 for rear mounting
- **Hydraulic side shift via swivel arm**, displacement range 112 cm
- Total working range up to 272 cm
- Working angle 90° up to 60° down
- Gear box with freewheel for **540 rpm**
- Belt protection with tension measuring slot
- **The patented mechanical collision protection device responds reliably and returns automatically to the working position**
- 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 Müthing patent
- Support roller for adjusting height of mulcher
- Hardox wear runners, 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**

## Options

- 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

MU-FM/S	120	140	160
Working width (cm)	120	140	160
outside width (cm)	203	223	243
PTO shaft speed	540	540	540
max. tractor horsepower (HP)	45	45	45
Transport weight	340	353	370
Minimum tractor weight	1000	1100	1200
number of tools	20	24	28
Rotor diameter (mm)	110	110	110
Support roller diameter (mm)	120	120	120
Number of V-belts	2	2	2



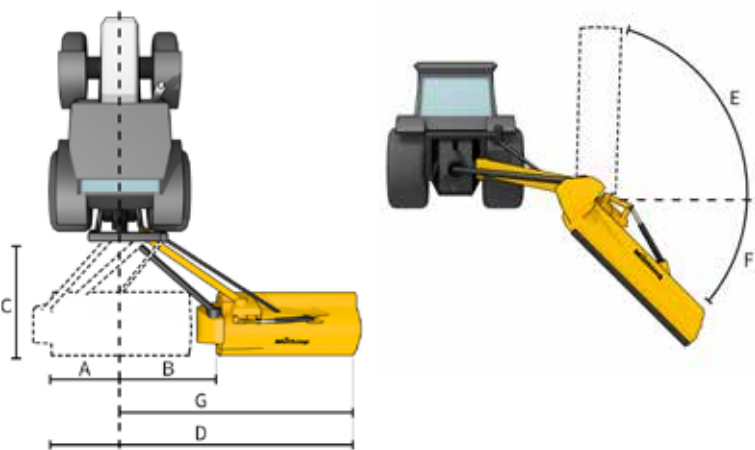
# Multi purpose flail mower MU-FM/S

## Rear and side multi-purpose flail mower for tractors from 30 to 45 hp



Description	Order code	Rear attachment	Support roller	M carbide shackle knife	M shovel knife	PTO shaft speed	€ without VAT
MU-FM/S 120	FMS120B-SFWAR	✓	✓	✓	✓	540	7.250,00 €
MU-FM/S 140	FMS140B-SFWAR	✓	✓	✓	✓	540	7.825,00 €
MU-FM/S 160	FMS160B-SFWAR	✓	✓	✓	✓	540	8.440,00 €

Order code	optional equipment	€ without VAT
FMSZ96	Second screw–type short chopping bar system "Shark fin" design – a MÜTHING patent	135,00 €
FMSZ41	Wear insert in housing (factory mounted)	390,00 €
FMSZ90	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
	Prior freight component	Ex Works
	Packaging / palletisation	70.00 €
	Freight costs for supplemental delivery of accessories	Ex Works
	Initial induction	200.00 €



MU-FM/S	120	140	160
Working width (cm)	120	140	160
(A) Displacement range to the left	29	29	29
(B) Displacement area to the right	83	83	83
(C) Transport length to the rear	156	156	156
(D) Total working area including device width	232	252	272
(G) Outside width to the right	203	223	243
(E) Angle range upwards	90°	90°	90°
(F) Angle range downwards	60°	60°	60°

# Flail mower MU-E/S

Side verge mulcher for rear and front attachment  
for compact tractors and carrier vehicles up to 60 HP



## Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel with multi position headstock Cat. 1 + 2 for front or rear mounting
- Front/rear 3-point headstock with collision protection device
- 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
- Belt protection with tension measuring slot
- 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
- Hardox wear runners, 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**

## Options

- Wear insert in housing (factory mounted)
- **Second screw-type short chopping bar system „Shark fin“ design – a Müthing patent**

MU-E/S	160
Working width (cm)	160
PTO shaft speed	540 / 1000
max. tractor horsepower (HP)	60
Transport weight	543
Minimum tractor weight	1620
number of tools	28
Rotor diameter (mm)	110
Support roller diameter (mm)	120
Number of V-belts	3

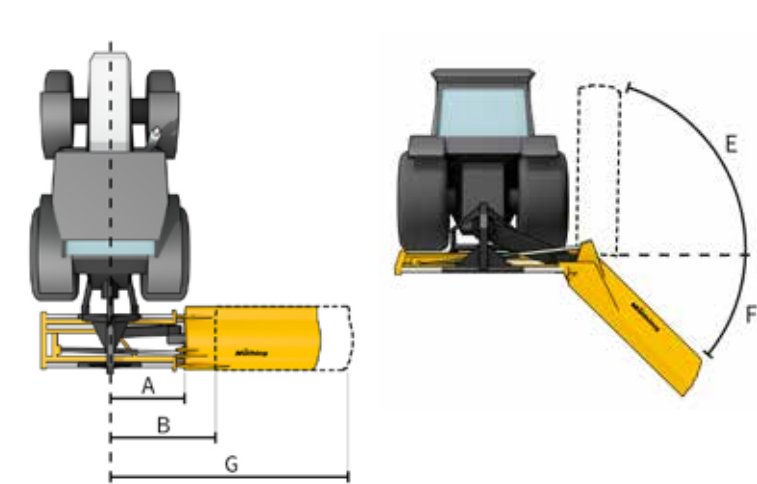
# Flail mower MU-E/S



Side verge mulcher for rear and front attachment  
for compact tractors and carrier vehicles up to 60 HP

Description	Order code	Front / rear attachment	Support roller	M carbide shackle knife	PTO shaft speed	€ without VAT
MU-E/S 160	ES160B-SDWAR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	540	12.385,00 €

Order code	optional equipment	€ without VAT
EZ20-DZ/DR	Change drive, to a different speed and direction of rotation	250,00 €
ESZ96	Second screw–type short chopping bar system "Shark fin" design – a MÜTHING patent	145,00 €
ESZ41	Wear insert in housing (factory mounted)	720,00 €
	Prior freight component	Ex Works
	Packaging / palletisation	70.00 €
	Freight costs for supplemental delivery of accessories	Ex Works
	Initial induction	200.00 €



MU-E/S	160
Working width (cm)	160
(A) Lateral structure to the right	86
(B) Displacement area to the right	136
(G) Outside width to the right	296
(E) Angle range upwards	90°
(F) Angle range downwards	60°



# Flail mower details

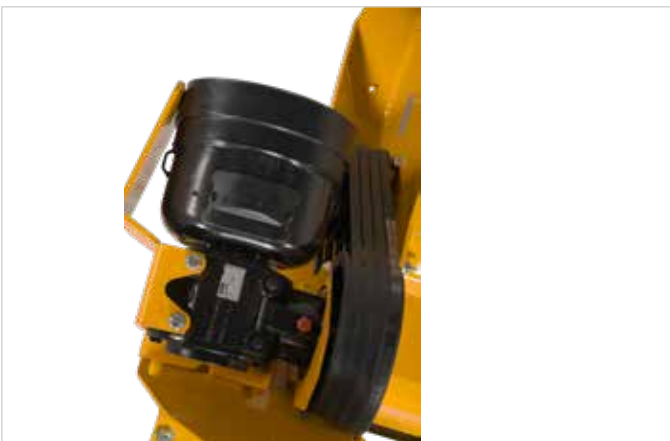
## MU-H/S Vario



- Hydraulic side shift via swivel arm, displacement range 132 cm.
- Total working range up to 332 cm (see drawing / table on page 97).
- Working range from 90° upwards to 60° downwards.



- The patented mechanical collision protection device responds reliably and returns automatically to the working position.



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



- Adjustable Vario cutting bar for adjusting the shredding rate.



- Hydraulic side shift via swivel arm, displacement range 171 cm.
- Total working range up to 421 cm (see drawing / table on page 99).
- Working range from 90° upwards to 60° downwards.

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



- Large support roller for adjusting height of mulcher.

- Robust Starinthe® rear roller bearing system (see page 12).

# Multi purpose flail mower MU-H/S Vario

Rear and side multi-purpose flail mower  
for tractors from 55 to 90 hp



Details MU-H/S page: 64



## Standard Equipment

- Manufactured from High Quality fine-grain QSt/E Steel with headstock Cat. 2 for rear mounting
- **Hydraulic side shift via swivel arm**, displacement range 132 cm
- Total working range up to 332 cm
- Working angle 90° up to 60° down
- Gear box with freewheel for **540 rpm**
- Belt protection with tension measuring slot
- **The patented mechanical collision protection device responds reliably and returns automatically to the working position**
- Transport lock in 90° position with stop valve
- Highly tempered spring steel flaps with swing protection
- 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**
- Hardox wear runners, screw-type
- 2 Support legs
- 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 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

MU-H/S	140	160	180	200
Working width (cm)	140	160	180	200
PTO shaft speed	540	540	540	540
max. tractor horsepower (HP)	90	90	90	90
Transport weight	650	660	690	720
Minimum tractor weight	1800	2000	2200	2400
number of tools	12	14	16	16
Rotor diameter (mm)	140	140	140	140
Support roller diameter (mm)	140	140	140	140
Number of V-belts	3	3	3	3

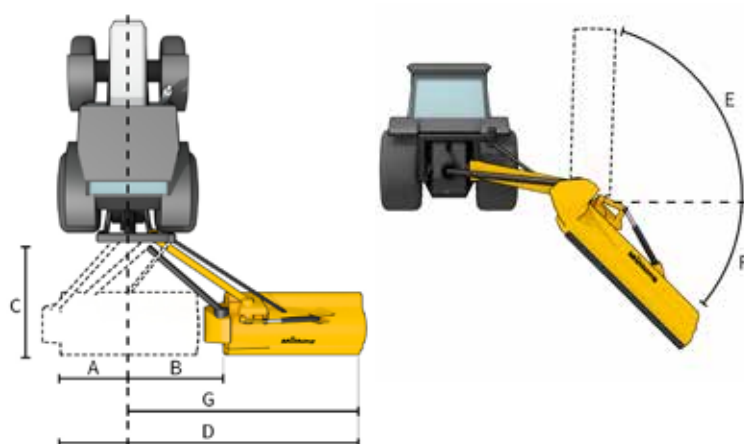
# Multi purpose flail mower MU-H/S Vario

## Rear and side multi-purpose flail mower for tractors from 55 to 90 hp



Description	Order code	Rear attachment	Support roller	M-hammer flail	M shackle knife	PTO shaft speed	€ without VAT
MU-H/S 140 Vario	HS140B-HEWAR	Cat. 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	540	8.580,00 €
MU-H/S 160 Vario	HS160B-HEWAR	Cat. 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	540	9.150,00 €
MU-H/S 180 Vario	HS180B-HEWAR	Cat. 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	540	9.560,00 €
MU-H/S 200 Vario	HS200B-HEWAR	Cat. 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	540	9.880,00 €

Order code	optional equipment	€ without VAT
HZ52	Smooth-running rotor with specially formed tool holders arranged in a spiral pattern, with M-Shackle Flail (Attention, extended delivery times!)	810,00 €
HSZ96	Second screw-type short chopping bar system "Shark fin" design – a MÜTHING patent	190,00 €
HSZ41	Wear insert in housing (factory mounted)	520,00 €
HSZ30	Warning signs with LED lighting equipment with turn signal failure indicator with lighting equipment support (fitted)	880,00 €
HSZ90	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
	<b>Prior freight component</b>	Ex Works
TPGM-MU-HS	Transport frame for MU-H/S Vario - net (credit will be given upon return delivery)	200,00 €
	<b>Freight costs for supplemental delivery of accessories</b>	Ex Works
	<b>Initial induction</b>	200.00 €



MU-H/S	140	160	180	200
Working width (cm)	140	160	180	200
(A) Displacement range to the left	35	35	35	35
(B) Displacement area to the right	97	97	97	97
(C) Transport length to the rear	221	221	221	221
(D) Total working area including device width	272	292	312	332
(G) Outside width to the right	237	257	277	297
(E) Angle range upwards	90°	90°	90°	90°
(F) Angle range downwards	60°	60°	60°	60°



# Multi purpose flail mower MU-L/S Vario

## Rear and side multi-purpose flail mower for tractors from 75 to 130 hp



Details MU-L/S page: 65

## 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**, displacement range 171 cm
- Total working range up to 421 cm
- Working angle 90° up to 60° down
- Gear box with freewheel for **540 rpm**
- Belt protection with tension measuring slot
- **The patented mechanical collision protection device responds reliably and returns automatically to the working position**
- 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 Starinthe® rear roller bearing system
- **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
- 2 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

- Heavy-duty PTO shaft with 50° wide angle at both ends, **hardened inner tube**
- M-Shackle flails
- Wear insert in housing (factory mounted)
- **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

MU-L/S	200	220	250
Working width (cm)	200	220	250
outside width (cm)	305	325	345
PTO shaft speed	540	540	540
max. tractor horsepower (HP)	130	130	130
Transport weight	910	930	950
Minimum tractor weight	2800	3200	3500
number of tools	16	18	22
Rotor diameter (mm)	160	160	160
Support roller diameter (mm)	195	195	195
Number of V-belts	4	4	4

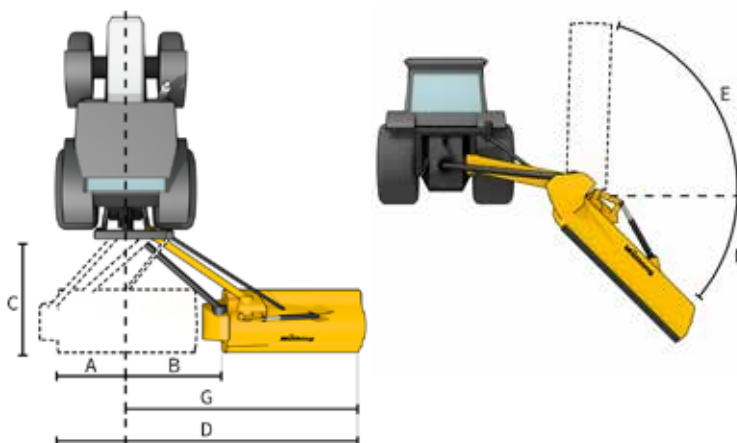
# Multi purpose flail mower MU-L/S Vario

## Rear and side multi-purpose flail mower for tractors from 75 to 130 hp



Description	Order code	Rear attachment	Support roller	M-hammer flail	M shackle knife	PTO shaft speed	€ without VAT
MU-L/S 200	LS200B-HEWAR	Cat. 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	540	12.230,00 €
MU-L/S 220	LS220B-HEWAR	Cat. 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	540	12.370,00 €
MU-L/S 250	LS250B-HEWAR	Cat. 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	540	12.540,00 €

Order code	optional equipment	€ without VAT
GE2504WW	Drive shaft with wide angle on both sides - additional charge	1.215,00 €
LSZ52	Smooth-running rotor with specially formed tool holders arranged in a spiral pattern, with M-Shackle Flail (Attention, extended delivery times!)	1.010,00 €
LSZ96	Second screw-type short chopping bar system "Shark fin" design – a MÜTHING patent, Height 47 mm (at a hammer rotor) , height 32 mm (with shackle rotor)	240,00 €
LSZ41	Wear insert in housing (factory mounted)	655,00 €
LSZ46.SP	Cleaner cutting edge for displaced support roller, SP	705,00 €
LSZ30	Warning signs with LED lighting equipment with turn signal failure indicator with lighting equipment support (fitted)	880,00 €
LSZ90	Operating hours counter with sensor, time recording using rotation pulse	420,00 €
	<b>Prior freight component</b>	Ex Works
TPGM-MU-LS	Transport frame for MU-L/S Vario - net (credit will be given upon return delivery)	200,00 €
	<b>Freight costs for supplemental delivery of accessories</b>	Ex Works
	<b>Initial induction</b>	200.00 €



MU-L/S	200	220	250
Working width (cm)	200	220	250
(A) Displacement range to the left	65	65	65
(B) Displacement area to the right	106	106	106
(C) Transport length to the rear	250	250	250
(D) Total working area including device width	371	391	421
(G) Outside width to the right	305	325	345
(E) Angle range upwards	90°	90°	90°
(F) Angle range downwards	60°	60°	60°

# Flails and shackles

See page 11 for details

## For all models MU-H to MU-PRO



Order code	Type / Description	€ without VAT
	<b>M-Hammer flail</b>	
MU000306	Original DuraX M-Hammer flail (repl.2405003055)	15,55 €
MU980416	Bolt with nut (repl. 2404004048)	3,95 €
	<b>Total price</b>	<b>19,50 €</b>

Order code	Type / Description	€ without VAT
	<b>Original M-Shackle flail</b>	
MU000449	<b>Original M-Shackle flail</b>	6,90 €
MU000560	Müthing – Spacer	2,20 €
MU000507	Müthing – Twisted shackle	6,00 €
MU980509	Bolt with nut	3,95 €
	<b>Total price</b>	<b>19,05 €</b>

Order code	Type / Description	€ without VAT
	<b>M-triple Y-blades</b>	
MU000558	1 x M back to back Blade inside, short	7,10 €
MU000557	2 x M back to back flails outside, long	5,80 €
MU000559	Müthing – Spacer(repl. 2100023199)	3,45 €
MU980416	Bolt with nut (repl. 2404004048)	3,95 €
	<b>Total price</b>	<b>26,10 €</b>

## For all models MU-Farmer



M-Hammer Farmer 3 years guarantee against break of M-Hammer

Order code	Type / Description	€ without VAT
	<b>M-Hammer flail Farmer</b>	
MAG00350-A	M-Hammer Farmer 3 years guarantee against break of M-Hammer	39,50 €
MAG00353	Bolt with nut	14,15 €
	<b>Total price</b>	<b>51,20 €</b>

# Flails and shackles

See page 11 for details



## For all models MU-C to MU-E



M-Scoop blade



Carbide M-Shackle flail



Scarifying blade

Order code	Type / Description	€ without VAT
	<b>M-Scoop blade for MU-C + MU-FM + MU-C/S + MU-FM Hydro</b>	
MU1	Original M Scoop Flail C+FM	11,90 €
MU3	2 x Spacer	1,30 €
MU0801041	Bolt with nut (Nut: MU980201)	1,85 €
	<b>Total price</b>	<b>16,35 €</b>

Order code	Type / Description	€ without VAT
	<b>Carbide M-Shackle flail for MU-C + MU-FM + MU-C/S + MU-FM Hydro</b>	
MU0801041	Bolt with nut (Nut: MU980201)	1,85 €
MU50	Original M-Carbide shackle flail short	14,75 €
MU0801031	Original M-Shackle short	4,40 €
	<b>Total price</b>	<b>21,00 €</b>

Order code	Type / Description	€ without VAT
	<b>Carbide M-Shackle flail for MU-E + MU-E/S + MU-E/Hydro</b>	
MU0801041	Bolt with nut (Nut: MU980201)	1,85 €
MU4	Original M-Carbide shackle flail long	16,60 €
MU1101011	Original M-Shackle long	5,10 €
	<b>Total price</b>	<b>23,55 €</b>

Order code	Type / Description	€ without VAT
	<b>Carbide M-Shackle flail for MU-E Vario + MU-E/Hydro Vario</b>	
MU0801041	Bolt with nut (Nut: MU980201)	1,85 €
MU0801031	Original M-Shackle short	4,40 €
MU4	Original M-Carbide shackle flail long	16,60 €
	<b>Total price</b>	<b>22,85 €</b>

Order code	Type / Description	€ without VAT
	<b>Scarifying blade for MU-Collect</b>	
MU0801041	Bolt with nut (Nut: MU980201)	1,85 €
00018897	2x Original M-Scarifying blade	4,50 €
00018894	Spacer	2,45 €
00018895	2 x Spacer	1,95 €
	<b>Total price</b>	<b>17,20 €</b>



# Wearing parts

Order code	Type / Description	€ without VAT
	<b>Müthing V-belt</b>	
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 €

Order code	Type / Description	€ without VAT
	<b>Müthing universal protective rubber</b>	
PO.100	Landscaping implements / small implements (goods sold by the meter)	17,75 €
PO.300	Complete model series from MU-E (goods sold by the meter)	25,50 €

**www.muething.shop**

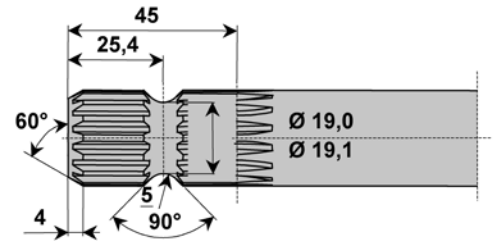
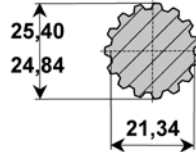
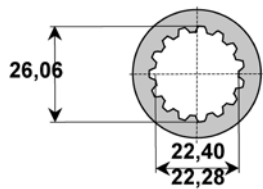
## Contact details for our spare parts store

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

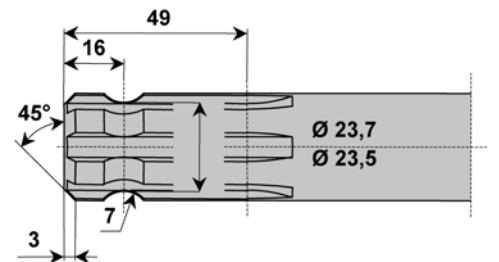
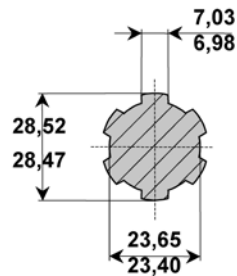
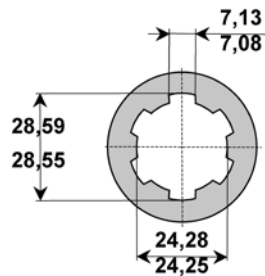


# P.T.O. profiles

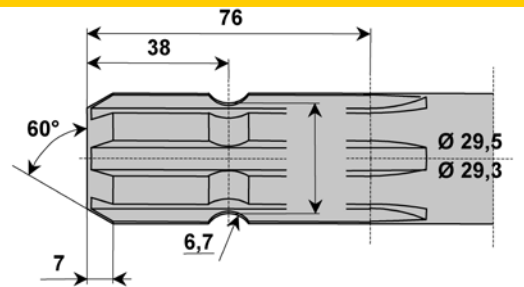
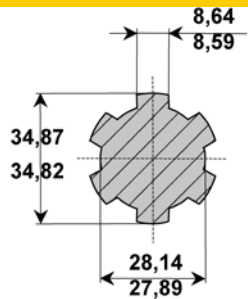
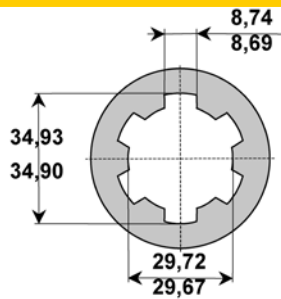
1" - Z 15



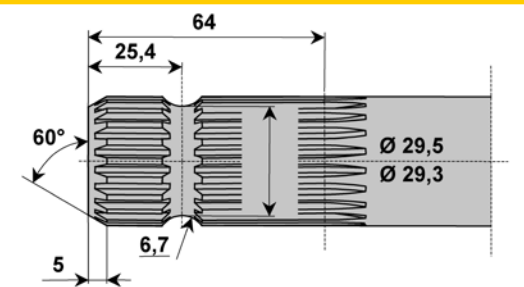
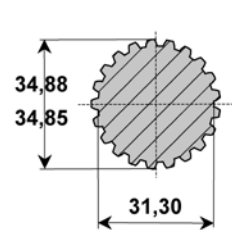
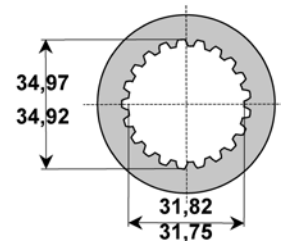
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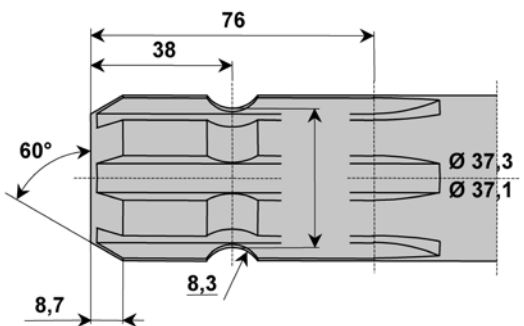
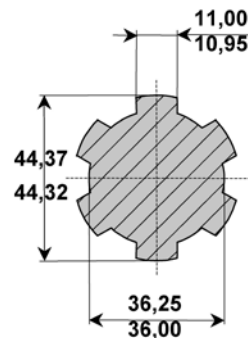
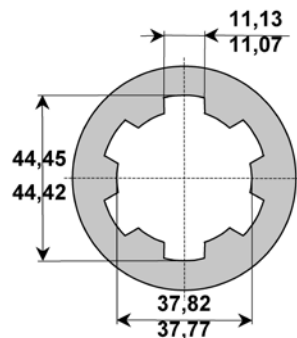
1 3/8" - Z 6  
STANDARD



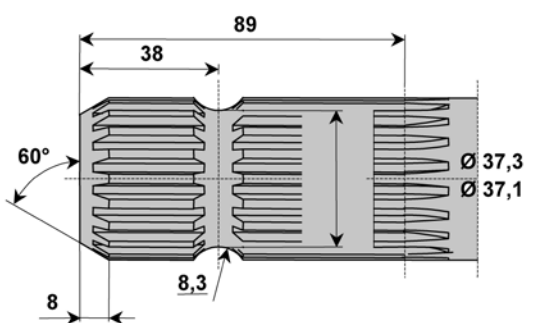
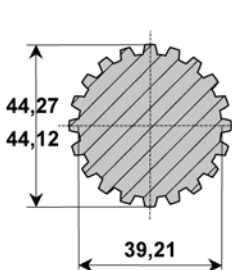
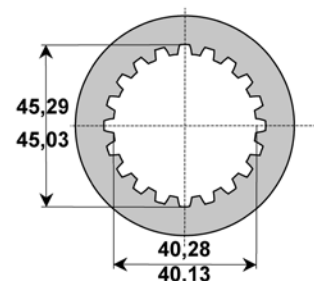
1 3/8" - Z 21



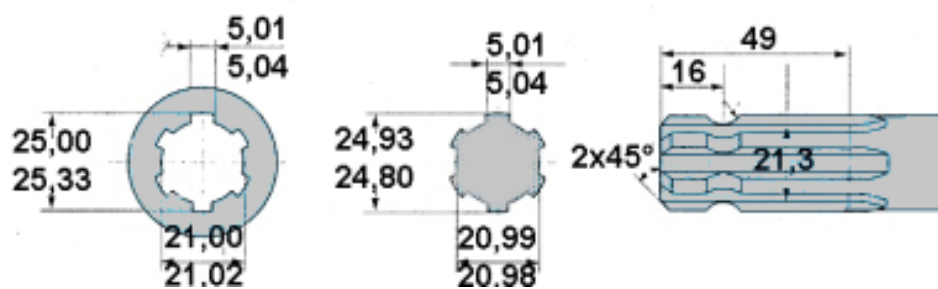
1 3/4" - Z 6



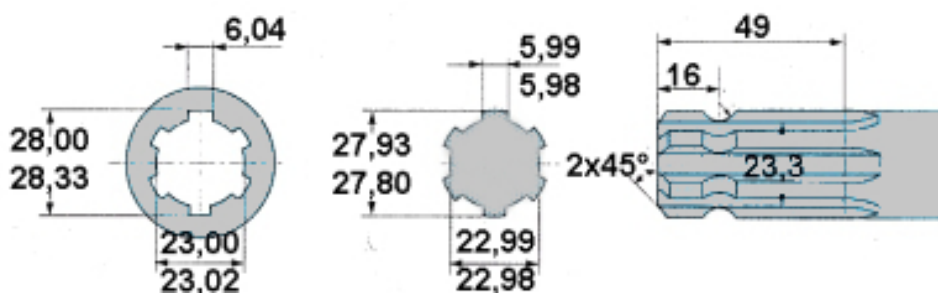
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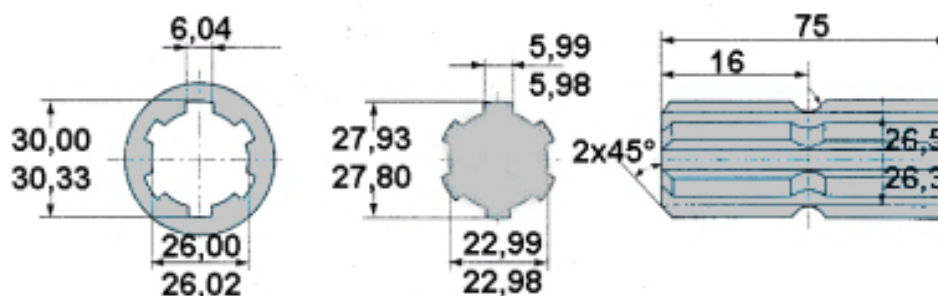
21 UNI 221  
21 x 25 x 6



23 UNI 221  
23 x 28 x 6



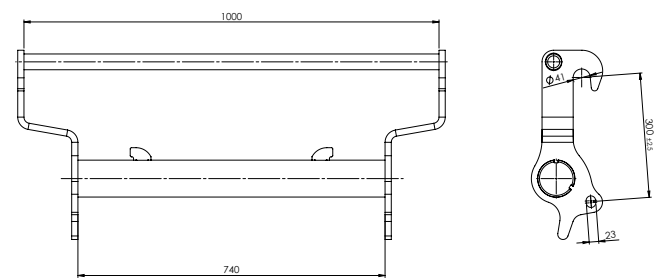
26 UNI 220  
26 x 30 x 6



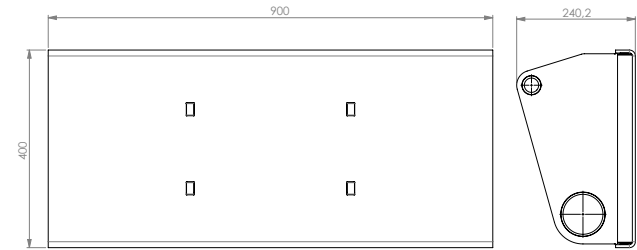


# Adapter plates to MU-CONNECT

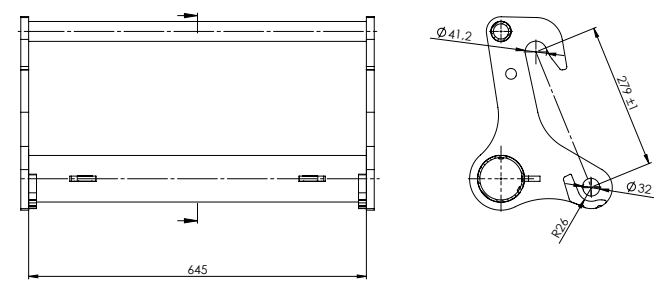
Adapter plates to MU-CONNECT 200 (examples)



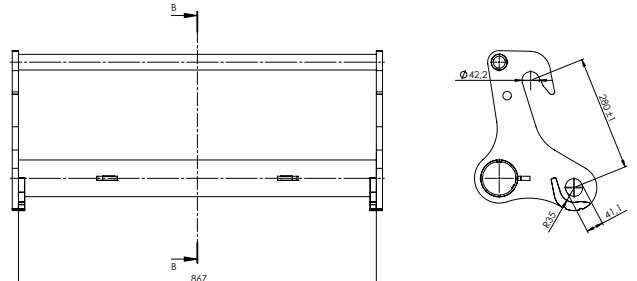
Adapter plate for loader with Euro-3 mount  
Order no.: MU-EZ070.1 EURO3



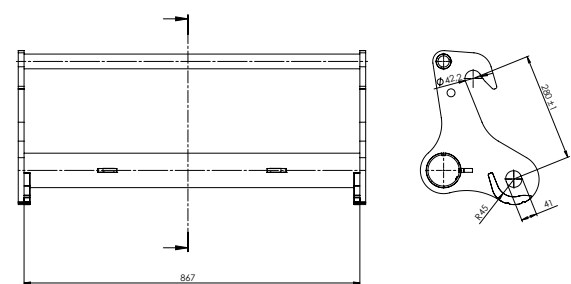
Universal adapter plate  
Order no.: MU-EZ070.1 Universal



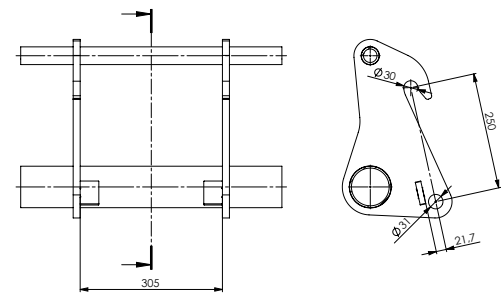
Adapter plate for SCHÄFFER loader with SWH mount  
Order no.: MU-EZ070.1 SCHÄFFER SWH



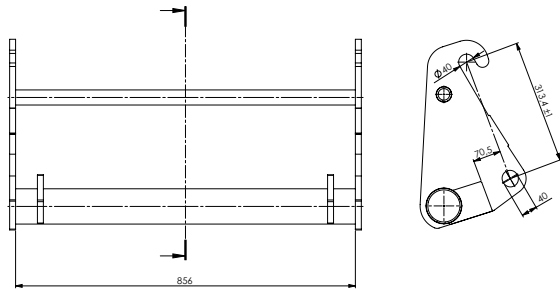
Adapter plate for SCHÄFFER loader with KR mount  
Order no.: MU-EZ070.1 SCHÄFFER KR



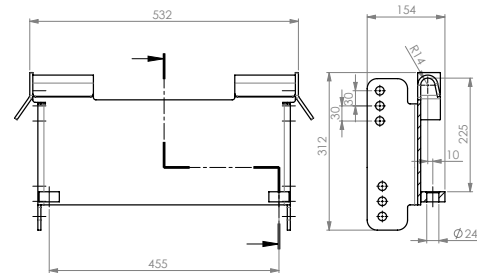
Adapter plate for KRAMER loader  
Order no.: MU-EZ070.1 KRAMER



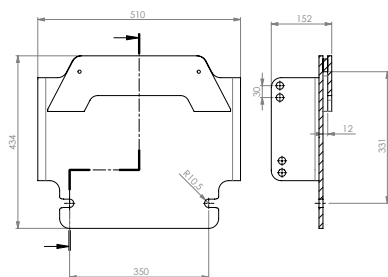
Adapter plate for KRAMER loader, narrow, hook 355 mm  
Order no.: MU-EZ070.1 KRAMER Small



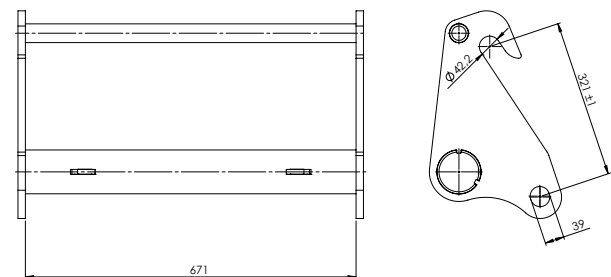
Adapter plate for LIEBHERR loader,  
CLAAS Torion (Zettelmeyer 602), KUBOTA  
Order no.: MU-EZ070.1 CLAAS



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



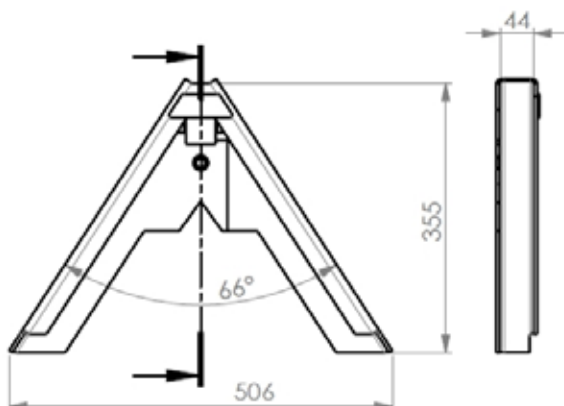
Adapter plate for MULTICAR M29 Tremo  
Order no.: MU-EZ070.1 TREMO



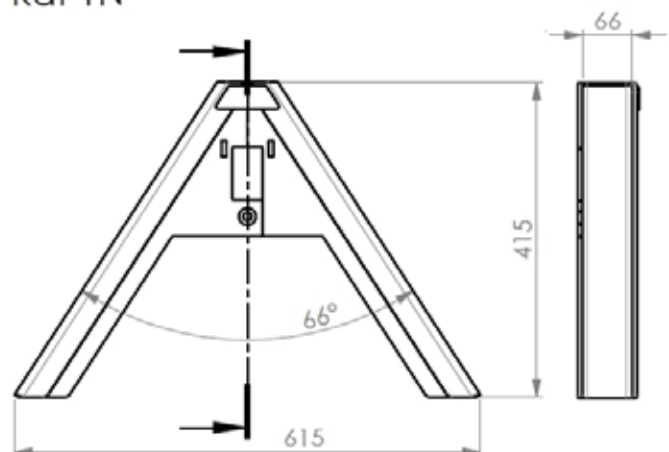
Adapter plate for WEIDEMANN  
loader with hydraulic locking  
Order no.: MU-EZ070.1 WEIDEMANN

## Coupling triangle Cat. 0 and 1 N

Kat 0



Kat 1N

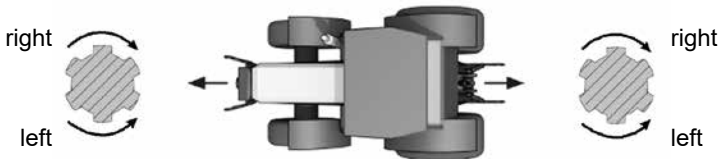


# Check list

## Datasheet small tractors

Date	Vehicle brand:	
Dealer:	Vehicle Type:	
Customer:	Year	
Address	Maximum Front-Axle weight	kg
Tel.	Lifting capacity of front hydraulic	kg
E-mail address:		

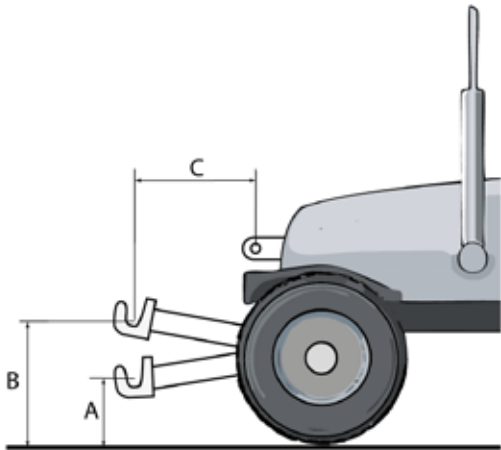
Rotation of P.T.O. seen from behind  
(please mark)



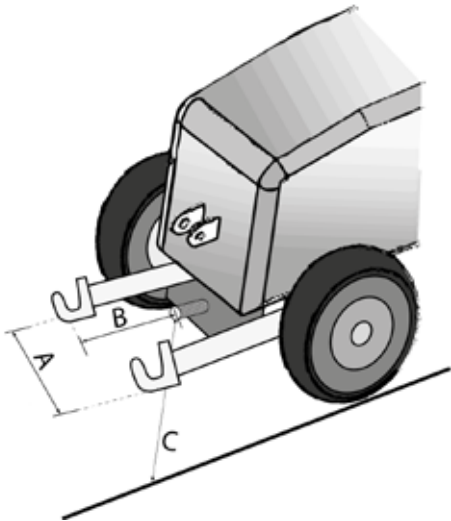
- ☐ Rear
 ☐ Front
 ☐ Rear/front (combined)
- ☐ Cat. 1
 ☐ Cat. 2
 ☐ Cat. 3
- ☐ Coupling triangle cat. 0
 ☐ Coupling triangle cat. 1N

Front PTO speed:	R.P.M.	Rear PTO speed:	R.P.M.
PTO profile front:		PTO profile rear:	
Height of PTO stub at front: (middle of stub – ground)	cm	Height of PTO stub at rear: (middle of stub – ground)	cm

### Power lift dimensions



Dimension A:	cm
Dimension B:	cm
Dimension C:	cm



Dimension A:	cm
Dimension B:	cm
Dimension C:	cm

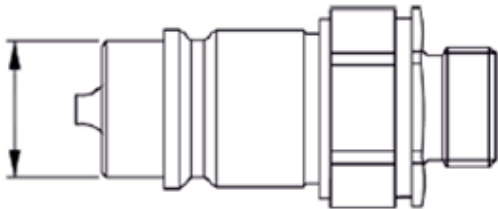
# Check list for MU-Hydro Mulching Systems



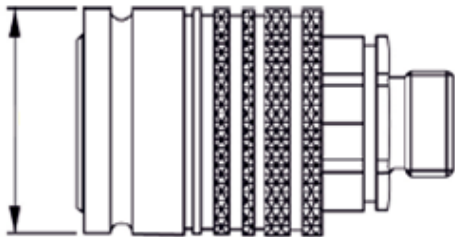
Date	Vehicle brand:
Dealer:	Vehicle Type:
Customer:	Year
Address	Maximum Front-Axle weight kg
Tel.	Lifting capacity of front hydraulic kg
E-mail address:	

Datas of the hydraulic system			
Max. flow rate:	l/min	Pressure max.:	bar
Back pressure (return line):	bar	Back pressure (leak oil line):	bar

## SVK plug-in coupling

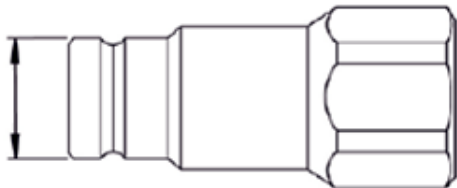


- plug
- ☐ Size 2 = Ø 17.2 mm
  - ☐ Size 3 = Ø 20.5 mm
  - ☐ Size 4 = Ø 29.0 mm

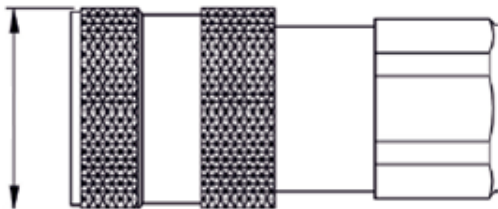


- sleeve
- ☐ Size 2 = Ø 31.0 mm
  - ☐ Size 3 = Ø 38 mm
  - ☐ Size 4 = Ø 48.0 mm

## Flat-Face coupler

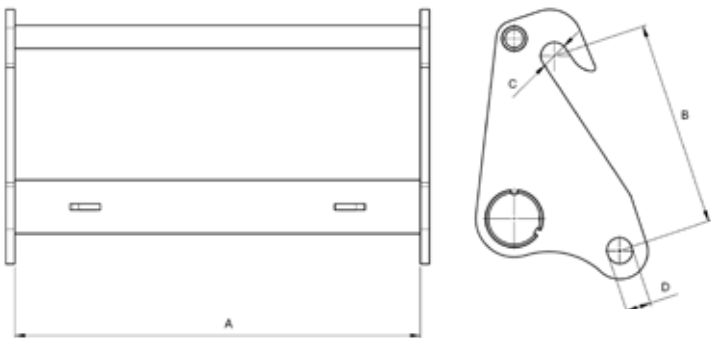


- plug
- ☐ Size 1 = Ø 16.1 mm
  - ☐ Size 2 = Ø 19.7 mm
  - ☐ Size 3 = Ø 24.5 mm
  - ☐ Size 4 = Ø 30.0 mm



- sleeve
- ☐ Size 1 = Ø 28.0 mm
  - ☐ Size 2 = Ø 32.0 mm
  - ☐ Size 3 = Ø 38.0 mm
  - ☐ Size 4 = Ø 48.0 mm

Dimensions of the farm loader mount	
Dimension A:	cm
Dimension B:	cm
Dimension C:	cm
Diameter D:	cm





# 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

1. 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 (reparation), 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.
10. <a target="blank" href="https://ec.europa.eu/consumers/odr/main/index.cfm?event=main.home.chooseLanguage">http://ec.europa.eu/consumers/odr/. Unsere eMail-Adresse lautet info@muething.shop

## § 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 tortuous 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 ration 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 extend 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.

## § 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 Provision

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.

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