

# SIMON RICHARD LIMITED

**Müthing**  
GmbH & Co. KG

**Flail Mulching Mowers**  
For Agriculture and Groundcare  
PRICE LIST 1<sup>ST</sup> JANUARY 2023



**Vario**

# Müthing – Flail Mowers MU-B

GmbH & Co. KG

## Front Mounting for Pedestrian Mowers



### Standard Equipment

- Manufactured from High Quality QS/E Steel for Front mounting on to Pedestrian Mowers.
- Gearbox with integrated security braking system.
- Automatic belt tensioning.
- Shackle “M” Carbide flails to ensure long life, clean cut and maximum shredding using less power.
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles; bearings protected against dirt, wear and tear.
- Roller with rounded edges to preserve the soil and turf and to carry the flail with variable height adjustment.
- High tempered spring steel one-way protection flaps in front of the mower hood.
- **Hardox Wearing skids.**
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- Purposely designed hood in conjunction with high rotor and cutting speeds and removable shredding bar spreads the shredded material evenly behind the roller giving an excellent Mulching and Shredding Quality.
- Patented removable shredding bar – System: “Shark fin”.
- Specially designed linkage parts for easy mounting on to pedestrian mowers
- Adaptor for AEBI or Reform or Rapid or Agria and Koppl
- Additional carbide wearing skids, removable.

### Options

- Hood wear plate (Delivery time to be asked for).
- Alternative rotor system with pairs of 2 back to back flails (Delivery time to be asked for).
- TUV Certificate on request

**Müthing** – Flail Mowers MU-B  
GmbH & Co. KG  
**Front Mounting for Pedestrian Mowers**

<b>Order number</b>	<b>Model</b>	<b>Retail price</b>
MUB100-10	MU-B 100 Front mounted <u>inc.</u> Linkage parts	£6,067.00
MUB120-10	MU-B 120 Front mounted <u>inc.</u> Linkage parts	£6,317.00
MUB140-10	MU-B 140 Front mounted <u>inc.</u> Linkage parts	£6,463.00

**Options**

MUBZ041	Hood Wear plate (factory mounted)	£325.00
MUBZ056-100	Rotor with pairs of 2 back to back Flails for MU-B 100 (78 flails in total)	£625.00
MUBZ056-120	Rotor with pairs of 2 back to back Flails for MU-B 120 (92 flails in total)	£670.00
MUBZ056-140	Rotor with pairs of 2 back to back Flails for MU-B 140 (106 flails in total)	£705.00

**Technical Data**

<b>Model</b>	<b>WW cm</b>	<b>Overall width cm</b>	<b>Weight kg</b>	<b>No. of flails</b>
MU-B 100	100	117	137	16
MU-B 120	120	137	154	20
MU-B 140	140	157	171	24

# Müthing – Flail Mower MU-C

GmbH & Co. KG

## Front or Rear mounted

### For Compact Tractors up to 35 HP



### Standard Equipment

- Manufactured from High Quality QSt/E Steel with centre mounted Cat. I Headstock for rear mounting.
- Rear mounting: Gearbox with integrated over run clutch for 540 / 1.000 r.p.m. (distance off the ground to P.T.O. shaft cc. 50 cm)
- Front mounting: Low positioned gearbox with integrated over run clutch for 1.000 r.p.m. (2.000 r.p.m. possible as option) (distance of the ground to P.T.O. shaft cc. 25 cm)
- Belt protection with tension measuring slot
- Shackle “M” Carbide flails to ensure long life, clean cut and maximum shredding using less power.
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles; bearings protected against dirt, wear and tear.
- Roller with rounded edges to preserve the soil and turf and to carry the flail with variable height adjustment.
- High tempered spring steel one way protection flaps in front of the mower hood.
- **Carbide Wearing Skids.**
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- Purposely designed hood in conjunction with high rotor and cutting speeds and removable shredding bar spreads the shredded material evenly behind the roller giving an excellent Mulching and Shredding Quality.
- Patented removable shredding bar – System: “Shark fin”.

### Options

- Head stock for A-Frame triangle Cat. 0 for Front mounting in combination with gearbox with integrated over run clutch for 1,000/ 2,000 r.p.m. mounted in front of the hood.
- Height adjustable rubber wheels, 360° swivel in front of the Flail.
- Hydraulic Weight Transfer MU-SOFA, for front mounted machines recommended.
- TUV Certificate on request
- Hydraulic version available POA



# **Müthing** – Flail Mower MU-C

## Front or Rear mounted For Compact Tractors up to 35 HP

<b>Order number</b>	<b>Model</b>	<b>Retail price</b>
MUC100-31	MU-C 100 - Rear mounted	£4,221.00
MUC120-31	MU-C 120 - Rear mounted	£4,436.00
MUC140-31	MU-C 140 - Rear mounted	£4,509.00
MUC160-31	MU-C 160 - Rear mounted	£4,801.00
MUC100-31-1	MU-C 100 - Front mounted	£4,221.00
MUC120-31-1	MU-C 120 - Front mounted	£4,436.00
MUC140-31-1	MU-C 140 - Front mounted	£4,509.00
MUC160-31-1	MU-C 160 - Front mounted	£4,801.00

### **Options**

MUCZ041	Hood Wear plate (factory fitted)	£445.00
MU-CZ012	Hydraulic side shift	£605.00
MUZ046	Second patented shredding bar	£135.00
MUCZ016-31	A-Frame triangle Cat.0 for Front mounting	£430.00
MU-CZ063	Mounting for support arms	£310.00
MUCZ064	2-point linkage parts to Front Mowers	£620.00
MUCZ031-31	Height adjustable rubber wheels,	£970.00
MUCZ020	Modification for different PTO speeds	£250.00
MU-SOFA	Hydraulic Weight Transfer	£1,120.00

For Front mounting please state on a copy of the data sheet on page 56 the driving direction of the Front P.T.O. (seen from behind to left or right rotation) as well as the R.P.M., size and model of the P.T.O. shaft.

When Front mounting please pay attention to the permitted Maximum Tractor Front Axle Load!

***Hydraulic versions available please ask***

### **Technical Data**

<b>Model</b>	<b>WW cm</b>	<b>Overall width cm</b>	<b>max. Tractor HP 540 r.p.m.</b>	<b>Weight kg</b>	<b>No. of flails</b>
MU-C 080	80	97	/ 35	front/rear / 154	12
MU-C 100	100	124	35 / 35	145 / 169	16
MU-C 120	120	144	35 / 35	151 / 185	20
MU-C 140	140	164	35 / 35	159 / 200	24
MU-C 160	160	184	35 / 35	175 / 215	28

# **Müthing** – Flail Mower MU-FM Out front Flail for Front Mowers up to 40 HP



## **Standard Equipment**

- Manufactured from High Quality QSt/E Steel for Front mounting onto professional Front Mowers with 2-point linkage.
- Linkage designed for high lift to clear kerbs.
- Gearbox mounted to the rear of the hood complete with integrated over run clutch for 2,000 - 2,500 r.p.m.
- Belt protection with tension measuring slot.
- Shackle “M” Carbide flails to ensure long life, clean cut and maximum shredding using less power.
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles, bearings protected against dirt, wear and tear.
- Roller with rounded edges to preserve the soil and turf and to carry the flail with variable height adjustment.
- Easy to use variable height adjustment.
- **Carbide Wearing skids.**
- High tempered spring steel one-way protection flaps in front of the mower.
- Optimised distance between the outer rotor circle and the roller as well as the linkage parts with wide swivelling range guarantees perfect contour following and an even quality of cut.
- Purposely designed hood in conjunction with high rotor and cutting speeds and a removable shredding bar spreads the shredded material evenly behind the roller giving an excellent Mulching and Shredding Quality.
- Patented removable shredding bar – System: “Shark fin”.

## **Options**

- A frame Cat. 0.
- Second patented removable shredding bar – System: “Shark fin”
- Hood wear plate
- 4 wheel in lieu of Rear roller
- TUV Certificate on request

# Müthing – Flail Mower MU-FM

## Out front Flail for Front Mowers up to 40 HP



Order number	Model	Retail price
MUFM140-31	MU-FM 140 Out front Flail <u>inc.</u> 2 point tractor linkage	£6,629.00
MUFM160-31	MU-FM 160 Out front Flail <u>inc.</u> 2 point tractor linkage	£6,964.00
<b>2 point tractor Linkage parts</b>		
MUFMZ060	MU-FM Mounting parts for KUBOTA F2560/3060/3560	
MUFMZ065	Special Linkage parts for KUBOTA Series 2006 Type 2880 & F3680, F2890, F3090, F3890	
MUFMZ061	MU-FM Linkage parts for JOHN-DEERE - F 1435, 1445, 1545 and 1565, 1550, 1570, 1580, 1585	
MUFMZ064	MU-FM Linkage parts for JOHN-DEERE - F 1145, F 935	
MUFMZ062	MU-FM Linkage parts for Iseki SF 300, 303, 310, 330, 333, 370	
MUFMZ066	MU-FM Linkage parts Grillo FD 13.09, FD2200, FD2200TS	£770.00
MU-FMZ062	Iseki SF224, 235, 438, 450, 544, 551	£625.00
MUFMZ063	MU-FM Linkage parts for SHIBAURA - CM 284, 314, 364, 374 and New Holland MC.	
<b><u>Options</u></b>		
MUFMZ045	Hood Wear Plate ( factory fitted )	£390.00
MUFMZ046	Second removable shredding bar "System Shark fin"	£135.00
MUFMZ016	A frame Cat. 0.	£330.00
MU-FMZ039	4 wheel version in lieu of rear roller additional	£545.00
MU-FMZ039	Front Mounted BEEHAPPY	£1,710.00
MU-Okotop	4 wheel MU-Okotop addition	£2,235.00

### **Technical Data**

Model	WW cm	Overall width cm	max. Tractor HP 2200 r.p.m.	Weight kg *	No. of flails
MU-FM 140	140	165	40	229	24
MU-FM 160	160	185	40	252	28

\* Weight including linkage parts and height adjustable rubber wheels in front

# **Müthing** – Flail Mower MU-FM Hydro GmbH & Co. KG Front Flail Mower with Hydraulic Drive



## **Standard Equipment**

- Manufactured from High Quality QSt/E Steel for Front mounting to Skid steer Loaders and Multi-Purpose Tractors, Hydraulic drive with over run valve (min 32 l oil flow with 180 bar oil pressure required).
- Belt protection with tension measuring slot.
- Shackle “M” Carbide flails to ensure long life, clean cut and maximum shredding using less power.
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles, bearings protected against dirt, wear and tear.
- Roller with rounded edges to preserve the soil and turf and to carry the flail with variable height adjustment.
- Easy to use variable Height adjustment.
- High tempered spring steel one way protection flaps in front of the mower hood.
- Optimised distance between the outer rotor circle and the roller as well as the linkage parts with wide swivelling range guarantees perfect contour following and an even quality of cut.
- Purposely designed hood in conjunction with high rotor and cutting speeds and a removable shredding bar spreads the shredded material evenly behind the roller giving an excellent Mulching and Shredding Quality.
- Patented removable shredding bar – System: “Shark fin”.
- **Carbide Wearing skids.**
- Hydraulic spool valves required: Flow and return, recirculation with free flow pipe.
- Hydraulic hoses (skid steer loader side connectors not included).
- Strong, height adjustable rubber wheels 360° swivel in front of the flail.

## **Options**

- A frame Cat. 0.
- Hydraulic control system for oil volumes over 48 l/min.
- Hood wear plate
- Second patented removable shredding bar – System: “Shark fin”.
- TUV Certificate on request

# Muthing – Flail Mower MU-FM Hydro

GmbH & Co. KG

## Front Flail Mower with Hydraulic Drive

Order number	Model	Retail price
MUFM Hydro140-31	MU-FM Hydro 140	£6,850.00
MUFM Hydro160-31	MU-FM Hydro 160	£7,240.00
<b><u>Options</u></b>		
MUFMZ045	Hood wear plate factory fitted	£390.00
Ransomes Fitting kit	Via Ransomes	
Toro GM3400	Via Muthing	£925.00



### Technical Data

Model	WW cm	Overall width cm	Weight kg *	No. of flails
MU-FM Hydro 140	140	165	229	24
MU-FM Hydro 160	160	185	252	28

\* Weight including linkage parts and height adjustable rubber wheels in front

**Please pay attention to the maximum permitted Front-Axle Load!**

Retail prices excluding VAT Delivery charges will apply January 2023

# Müthing – Flail Mower MU-Collect Vario

GmbH & Co. KG

## Out front Flail for Front Mowers up to 40 HP



### Standard Equipment

- Made of High Quality fine grain QSt/E steel for front mounting with optimized hood contour for maximum efficiency during both collecting and mulching.
- Low mounted gear box, centrally or offset to side, with freewheel for 1000 rpm or 2000 rpm input speed.
- Discharge to the right, nominal dia. 200mm (only on MU-COLLECT 160 Vario)
- A shared V-belt drive for the rotor and collecting augur prevents operating errors and provides reliable overload protection
- V-belt protection with inspection slot
- Carbide M-shackle flail
- Smooth running rotor with specially formed lugs arranged in a spiral pattern.
- Removable shredding bar system "Shark fin" design – a Müthing patent
- Hood Wear plate (factory mounted)
- Insertable crop flow flap for mulching without collecting.
- Adjustable vario cutter bar
- Collecting augur with blockage protection for full delivery hose
- Hardox wear skids, bolt on
- Highly tempered spring steel flaps with swing protection
- Adjustable support wheels, 360° swivelling.

### Options

- Two point mounting for support arms of carrier vehicles
- Quick attach triangle, Cat. 1N
- Central discharge, nominal dia. 220mm (only on MU-COLLECT 140 Vario)
- M scoop blade for fine cutting
- MU-SOFA® weight transfer system, recommended for front-mounted equipment.



# Müthing – Flail Mower MU-Collect Vario

Out front Flail for Front Mowers up to 40 HP



Order number	Model	Retail price
MU-CC 140-10	MU-Collect 140 Vario	£10,218.00
MU-CC 160-10	MU-Collect 160 Vario	£10,550.00
<b>Options</b>		
MU-CCZ016	Quick attach A frame cat 0	£655.00
MU-EZ015.1	Quick attach A frame cat 1N	£880.00
MU-CCZ063	Two point mounting arms	£500.00
MU-CCZ062	Arms for Iseki SF224,235,438,450,544,551 inc PTO shaft	inc
MU-CCZ066	Arms for Grillo FD2200 inc PTO shaft	inc
MU-CCZ080	Central Discharge (220mm for Iseki)(200mm for Grillo)	standard
MU-CCZ081	Discharge to the right 200mm only for 160 Vario	option
MU-CZ055	M scoop blade for fine cut	£180.00
MU-CCZ050	Scarifying blades with safety bar, extended roller supports	£520.00
MU-SOFA	MU-SOFA weight transfer system recommended for front mounting	£1,120.00

## Technical Data

Model	WW cm	Overall width cm	max. Tractor HP 2200 r.p.m.	Weight kg *	No. of flails
MU-COLLECT	140	162	40	223	24
MU-COLLECT	160	182	40	244	28

**Front or Rear mounted****For Compact and Multi-Purpose Tractors up to 60 HP****Standard Equipment****Version A:** *(Front or Rear mounting Cat. I. Height of P.T.O. connection: cc. 57 cm)*

- Specially designed Headstock Cat. I for Front or Rear mounting, with mechanical side shift; MU-E 120 – 140: 20cm; MU-E 160 – 200: 25cm.
- Gearbox with integrated over run clutch and through drive for 540 / 1.000 r.p.m. centred on top.

**Version B:** *(Front mounting Cat. 0. Height of P.T.O. connection: cc. 39 cm)*

- Headstock for A Frame triangle Cat. 0 for Front mounting.
- Low mounted Gearbox with integrated over run clutch for 1.000 / 2.000 r.p.m.
- Belt protection with tension measuring slot, P.T.O. shaft.
- Shackle “M” Carbide flails to ensure long life, clean cut and maximum shredding using less power.
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles and bearings protected against dirt, wear and tear.
- Roller adjustable to different heights.
- High tempered spring steel one way protection flaps in front, P.T.O shaft.
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut. Purposely designed hood in conjunction with high rotor and cutting speeds and a removable Shark Fin shredding bar spreads the shredded material evenly behind the roller giving an excellent Mulching and Shredding Quality
- **Adjustable Vario cutting bar**
- **Hardox wearing skids.**

**Options**

- Shiftable Headstock Cat. I for version B (Replacing head stock for A Frame triangle Cat. 0).
- Hydraulic side shift – version A only.
- Strong, height adjustable rubber wheels, 360° swivel in front of the flail.
- Hood Wear plate (additional weight around up to 35 kg (200 cm)).
- Hydraulic Weight Transfer MU-SOFA, for front mounting machines recommended.
- Hydraulic version available POA
- TUV Certificate on request

# – Flail Mower MU-E Vario

## Front or Rear mounted with Headstock Cat I

### For Compact and Multi-Purpose Tractors up to 60 HP

Order number	Model	Retail price
<b>Version A: Front or rear mounting Cat. I</b>		
MUE140-31	MU-E 140 with Headstock Cat. I	£7,104.00
MUE160-31	MU-E 160 with Headstock Cat. I	£7,304.00
MUE180-31	MU-E 180 with Headstock Cat. I	£7,405.00
MUE200-31	MU-E 200 with Headstock Cat. I	£7,572.00
<b>Version B: Front mounting Cat. 0</b>		
MUE140-31-1	MU-E 140 with A frame Cat. 0	£7,104.00
MUE160-31-1	MU-E 160 with A frame Cat. 0	£7,304.00
MUE180-31-1	MU-E 180 with A frame Cat. 0	£7,405.00
<b><u>Options</u></b>		
MUEZ014-31	Shiftable Headstock Cat. I for Version B	£220.00
MUEZ003	Hydraulic side shift (MU-E 140 - 200 Version A)	£475.00
MUEZ043	Swiveling short cut flap	£505.00
MUEZ041	Hood wearing plate (factory mounted)	£500.00
MUEZ031-31	Height adjustable rubber wheels, 360° swivel in front of the flail	£975.00
MU-EZ039	4 wheel version in lieu of rear roller MU-E 140-200	£550.00
MU-SOFA	Hydraulic Weight Transfer for front mounting machines recommended	£1,120.00
MUEZ020	Modification 540 - 1.000 or 1.000 - 2.000 r.p.m.	£250.00
MU-FMZ009	Front Mounted insect rescuer BEEHAPPY only available with wheel kit	£1,710.00
<b><i>Hydraulic versions available please ask</i></b>		

## **Technical Data**

Model	WW cm	Overall width cm	max. Tractor HP		Weight kg	No. of flails
			540 U/min.	1.000 U/min.		
MU-E 140	140	155	50	60	300	24
MU-E 160	160	175	50	60	330	28
MU-E 180	180	195	50	60	360	32
MU-E 200	200	215	50	60	390	36



### Standard Equipment

- Made of High Quality fine-grain QSt/E steel
- Gear box for 180 hp with 540 rpm input speed, free wheel in side drives
- Gear box with integrated freewheel for 540rpm input speed for rear flail
- Drawbar connection with D40 towing eye
- HDPE V-belt protective cover with inspection opening
- Carbide M-shackle flail
- Smooth running rotor with specially formed tool holders arranged in a spiral pattern
- Infinitely variable support roller for adjusting working height of individual mulchers
- Screw-type short chopping bar system "Shark fin" design – a Müthing patent
- Highly tempered spring steel flaps with swing protection
- Adjustable Vario cutting bar for adjusting the shredding rate
- Wear insert in housing (factory mounted)
- Hardox wearing skids, removable
- Weight transfer system
- Chassis for 25 km/h, with mudguards and large tyres for low ground pressure
- Left and right mechanical collision protection device
- MU-SOFA® weight transfer system on MU-E/F 560
- Hydraulically folding, 2 SA and 1 DA valves are required
- Warning signs with LED lighting equipment (fitted)

### Options

- Drawbar connection with K80 or **D50**
- 2-line air brake system with chassis for 40 km/h
- hydraulic side shift for rear implement in solo usage
- **Conversion to 540 rpm, recommended up to driving powers of 130 HP**
- Short-cut flap for optimal work results on demanding surfaces
- Second screw-type short chopping bar system "Shark fin" design – a Müthing patent
- MU-SOFA® weight Transfer System on MU-E/F 360 and 460
- Operating hours counter

Order number	Model	Retail price
<b>Trailed Hydraulic Folding</b>		
MU-EF360-91.1 Tr	MU-E/F Trailed 360 vario	£41,694.00
MU-EF460-91.1 Tr	MU-E/F Trailed 460 vario	£42,938.00
MU-EF560-91.1 Tr	MU-E/F Trailed 560 vario	£47,338.00

### Options

MU-EZ046	Second "Shark Fin" shredding bar	£395.00
MU-EFZ012	Towing eye D40	£0.00
MU-EFZ010	<b>Towing eye D50</b>	£0.00
MU-EFZ011	Towing eye K80	£225.00
MU-EFZ009	2 line air braking system with chassis for 40KPH	£3,820.00
MU-EZ055	M-Scoop blade for fine cut	£510.00
MU-EZ043	Swiveling short cut flap	£1,510.00
MU-XZ040	Operating Hours counter	£420.00

## Technical Data

Model	WW cm	Transport Width cm	max. Tractor HP		Weight kg	No. of flails
			540 U/min.	1.000 U/min.		
MU-E/F Tr 360	360	155	130	180	1,950	68
MU-E/F Tr 460	460	175	130	180	2,150	88
MU-E/F Tr 560	560	195	130	180	2,350	108

# **Müthing** – Flail Mower MU-ECOTOP GmbH & Co. KG

## Rear mounted for Tractors up to 75 HP



### Standard Equipment

- Headstock Cat. I + II for Rear mounting.
- Mountable in two positions variable by 30cm.
- Gearbox with integrated over run clutch and through drive 540 r.p.m. or 1.000 r.p.m.
- Belt protection with tension measuring slot.
- Stand.
- High tempered “M” Hammer flails.
- Smooth running Spiral rotor with specially formed lugs.
- Patented removable shredding bar – System: “Shark fin”.
- Roller to carry the mower, adjustable for different heights.
- **Side wearing skids.**
- High tempered spring steel one way protection flaps in front of the mower.
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.



# **Müthing** – Flail Mower MU-ECOTOP

Rear mounted for Tractors up to 75 HP

<b>Order number</b>	<b>Model</b>	<b>Retail price</b>
MU-Ecotop 160-10	MU-Ecotop 160	£6,592.00
MU-Ecotop 180-10	MU-Ecotop 180	£6,786.00
MU-Ecotop 200-10	MU-Ecotop 200	£7,020.00

## **Technical Data**

<b>Model</b>	<b>WW cm</b>	<b>Overall width cm</b>	<b>max. Tractor HP</b>		<b>Weight kg</b>	<b>No. of flails</b>
			<b>540 r.p.m.</b>	<b>1.000 r.p.m.</b>		
MU-Ecotop 160	160	177	60	75	352	14
MU-Ecotop 180	180	197	60	75	372	16
MU-Ecotop 200	200	217	60	75	390	16

**Front or Rear mounted for Tractors up to 90 HP****Standard Equipment**

- Manufactured from High Quality QSt/E Steel with multi position Headstock Cat. I + II for Front or Rear mounting with mechanical side shift; MU-H 160: 40 cm; MU-H 180 – 220: 56 cm.
- Gearbox with integrated over run clutch and through drive for 540 / 1.000 r.p.m.
- Belt protection with tension measuring slot.
- High tempered “M” Hammer flails to ensure clean cut and maximum shredding using less power.
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles and internal bearings protecting against dirt, wear and tear.
- Roller with internal bearings and rounded edges to preserve the soil and turf and to carry the flail, adjustable for different heights, Wearing skids.
- High tempered spring steel one way protection flaps in front of the mower hood.
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- **Hardox wearing skids, removable.**
- Adjustable Vario cutting bar.
- Purposely designed hood in conjunction with high rotor and cutting speeds and removable shredding bar spreads the shredded material evenly behind the roller giving an excellent Mulching and Shredding Quality.
- Patented removable shredding bar – System: “Shark fin”, P.T.O. shaft.

**Options**

- Front and Rear Headstock Cat. I + II (shiftable or fixed mounted), Stand.
- Central mounting MUH 180, 200, 220.
- Hydraulic Weight Transfer MU-SOFA, for front mounting machines recommended.
- Hydraulic side shift (1 double acting spool valve required).
- Special Headstock Cat. I (for tractors like Reform, Aebi, etc.)
- Hood Wear plate (Delivery time to be asked for).
- Alternative flails and rotor systems (M Shackle Flails).
- Hydraulic version available POA

## Front or Rear mounted for Tractors up to 90 HP

Order number	Model	Retail price £
MUH140-31	MU-H 140 Headstock with side shift	£7,878.00
MUH160-31	MU-H 160 Headstock with side shift	£8,338.00
MUH180-31	MU-H 180 Headstock with side shift	£8,523.00
MUH200-31	MU-H 200 Headstock with side shift	£8,737.00
MUH220-31	MU-H 220 Headstock with side shift	£9,446.00

### Options

MULZ012-31	Front and Rear Headstock shiftable	£415.00
MUHZ035	Shock-absorbing Linkage springs for Front-Mounting	£375.00
MUHxxx-31	Central mounting (Delivery time to be asked for)	£250.00
MUHZ003	Hydraulic side shift (MU-H 160 - 220)	£395.00
MULZ014-31	Special Head-Stock Cat. I	£390.00
MU-HZ060	Dust protection extension for front mounting	£475.00
MUXZ030	Warning signs and lights (dealer fit)	£880.00
MUHZ041	Hood Wear plate (factory mounted)	£520.00
MU-LZ022	Double free wheel gearbox for either PTO rotation	£490.00
MUXZ040	Working hours meter with electronic sensor	£420.00
MU-SOFA	SOFA Hydraulic Weight Transfer tractor kit	£1,120.00
MU-HZ009	Front Mounted BEEHAPPY Insect Rescuer Hydraulic fold	£3,415.00
MUHZ052-31	Rotor with M Shackle Flails	£810.00

### Technical Data

Model	WW cm	Overall width cm	max. Tractor HP		Weight kg	No. of flails Hammer	No. of flails M Shackle
			540rpm	1.000rpm			
MU-H 140	140	157	75	90	465	12	
MU-H 160	160	177	75	90	500	14	32
MU-H 180	180	197	75	90	535	16	36
MU-H 200	200	217	75	90	555	16	40
MU-H 220	220	237	75	90	635	18	46

**Front or Rear mounted for Tractors up to 130 HP**

### Standard Equipment

- Manufactured from High Quality QSt/E Steel with multi position Headstock Cat. I + II for Front or Rear mounting with mechanical side shift; MU-L 250 – 280: 56 cm (as shown)
- Gearbox with integrated over run clutch and through drive for 540 / 1.000 r.p.m.
- Belt protection with tension measuring slot.
- High tempered “M” Hammer flails to ensure clean cut and maximum shredding using less power.
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles and internal bearings protecting against dirt, wear and tear.
- Pivoting Roller with internal bearings and well-rounded edges to preserve the soil and turf and to carry the mulcher, adjustable to different heights, High tempered spring steel one way protection flaps in front.
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- **Hardox wearing skids with dividing effect, removable.**
- Adjustable Vario cutting bar.
- Purposely designed hood in conjunction with high rotor and cutting speeds and removable shredding bar spreads the shredded material evenly behind the roller giving an excellent Mulching and Patented removable shredding bar – System: “Shark fin”, P.T.O. shaft.

### Options

- Front and Rear Headstock Cat. I + II (shiftable or fixed mounted), Stand, Central mounting.
- Shock absorbing linkage springs for (Front-Mounting recommended).
- Hydraulic Weight Transfer MU-SOFA, for front mounting machines recommended.
- Hydraulic side shift (1 double acting spool valve required).
- Special Headstock Cat. I (for special tractors like Reform, Aebi, Rasant etc.)
- Height adjustable rubber wheels, 360° swivel with adjustable width for rear mounting (replacing the roller or in addition to the roller).
- Scraper for roller in rear position
- Warning signs and lights (dealer fit).
- Hood Wear plate (Delivery time to be asked for).
- Alternative flails and rotor systems (M Shackle Flails).

## Front or Rear mounted for Tractors up to 130 HP

Order number	Model	Retail price
MUL180-31	MU-L 180 Headstock with side shift	£9,769.00
MUL200-31	MU-L 200 Headstock with side shift	£10,056.00
MUL220-31	MU-L 220 Headstock with side shift	£10,453.00
MUL250-31	MU-L 250 Headstock with side shift	£10,775.00
MUL280-31	MU-L 280 Headstock with side shift	£11,136.00

### Options

MULZ041	Hood Wear plate (factory mounted)	£655.00
MULZ012-31	Front and Rear Headstock shiftable	£255.00
MUHZ003	Hydraulic side shift (MU-L 180 - 280) (56cm range)	£395.00
MULZ014-31	Special Headstock Cat. I	£390.00
MUMZ035	Shock-absorbing Linkage springs (for Front-Mounting recommended)	£375.00
MU-SOFA	Hydraulic Weight Transfer for front mounting machines recommended	£1,120.00
MULxxx-31	Central mounting 200,250,280.	£240.00
MU-LZ022	Double free wheel gearbox for either PTO rotation	£670.00
MUHZ020	Modification 540 to 1.000 r.p.m.	£250.00
MUXZ030	Warning signs and lights ( dealer fit )	£880.00
MULZ046	Extension sides and scraper for roller in rear position	£705.00
MUXZ040	Working hours meter with electronic sensor	£420.00
MULZ052-31	Rotor with M Shackle Flails	£1,010.00

### Technical Data

WW cm	Overall width cm	max. Tractor HP 540 r.p.m.	max. Tractor HP 1.000 r.p.m.	Weight kg	No. of flails Hammer	No. of flails M Shackle
180	197	100	130	640	16	36
200	217	100	130	670	16	40
220	237	100	130	740	18	46
250	267	100	130	790	22	52
280	297		130	885	24	58

**Front and Rear mounted for Tractors up to 160 HP**

### Standard Equipment

- Manufactured from High Quality QSt/E Steel with heavy duty multi position Headstock Cat. II for front and rear mounting.
- Hydraulic side shift: cc. 56 cm (1 double acting spool valve required).
- Gearbox with integrated over run clutch and through drive for 1.000 r.p.m.
- Automatic belt tensioning.
- High tempered "M" Hammer flails with self-sharpening cutting edge to ensure a clean cut and maximum shredding using less power.
- Spiral rotor with specially formed flail lugs to protect against damage from obstacles and internal bearings protecting against dirt, wear and tear.
- Large pivoting self-cleaning roller to carry the flail mower, adjustable for different heights.
- **Adjustable Vario cutting bar**
- **Wearing skids.**
- Stand.
- P.T.O. shaft.
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- Purposely designed hood in conjunction with high rotor and cutting speeds and a fixed shredding bar spreads the shredded material evenly behind the roller giving an excellent Mulching and Shredding Quality.
- Patented removable shredding bar – System: "Shark fin".

### Options

- Shock absorbing linkage springs (for Front Mounting recommended).
- Hydraulic Weight Transfer MU-SOFA, for front mounting machines recommended.
- Central mounting for MU-M 280 (Delivery time to be asked for).
- Hood Wear plate (Delivery time to be asked for).
- Warning signs and lights (dealer fit).
- Scraper for roller in rear position
- Warning signs and lights to be mounted on Front and Rear Headstock Cat.II
- Heavy P.T.O. shaft.
- TUV Certificate on request



## Front and Rear mounted for Tractors up to 160 HP

Order No.	Model	Retail Price
MUM220-41	MU-M 220 with Front and Rear Headstock	£13,924.00
MUM250-41	MU-M 250 with Front and Rear Headstock	£14,414.00
MUM280-41	MU-M 280 with Front and Rear Headstock	£14,856.00
MUM300-41	MU-M 300 with Front and Rear Headstock	£15,202.00

### Options

MU-MZ041	Hood Wear plate (factory mounted)	£805.00
MUMZ035	Shock absorbing Linkage springs (for Front Mounting recommended)	£420.00
MU-MZ046	Roller Scraper in rear position	£705.00
GE2501	Heavier P.T.O. shaft	£185.00
MUMxxx-41	Central mounting 280 (Check Delivery time)	£380.00
MU-SOFA	Hydraulic Weight Transfer for front mounting machines recommended	£1,120.00
MUXZ030	Warning signs and lights (dealer fit)	£880.00
MUXZ040	Working hours meter with electronic sensor	£420.00

### Technical data

Model	WW cm	Overall Width (cm)	max. Tractor HP 1.000 r.p.m.	Weight kg	No. of flails Hammer
MU-M 220	220	240	160	905	18
MU-M 250	250	270	160	975	22
MU-M 280	280	300	160	1,010	24
MU-M 300	300	320	160	1,085	26

## Front and Rear mounted for Tractors up to 200 HP



### Standard Equipment

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

### Options

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

## Front and Rear mounted for Tractors up to 200 HP

Order No.	Model	Retail Price
MU-VS280-2.0	MU-VS 280 Vario Shark including vario cutting bar and wear insert	£15,600.00
MU-VS280-2.0 C	MU-VS 280 Vario Shark Centred Gearbox including vario cutting bar and wear insert	£15,969.00
MU-VS300-2.0	MU-VS 300 Vario Shark including vario cutting bar and wear insert	£16,471.00

### Options

MUMZ035	Shock absorbing Linkage springs (for Front Mounting recommended)	£420.00
MU-MZ046	Roller Scraper in rear position	£705.00
MU-SOFA	Hydraulic Weight Transfer for front mounting machines recommended	£1,120.00
MUXZ030	Warning signs and lights (dealer fit)	£880.00
MUXZ040	Working hours meter with electronic sensor	£420.00
MU-MZ052-44	Rotor with M Shackle Flails	£1,010.00
MU-MZ046.1	Second patented Shark Fin Shredding Bar	£255.00

### Technical data

Model	WW cm	Overall Width (cm)	max. Tractor HP 1.000 r.p.m.	Weight kg	No. of flails Hammer
MU-V-S 280	280	300	200	1,112	24
MU-V-S 300	300	320	200	1,193	26

**Front and Rear mounted for Tractors up to 250 HP**

### Standard Equipment

- Heavy duty Flail Mower for professional use manufactured from High Quality QSt/E Steel with multi position Headstock: Cat. II + III for front and rear mounting with hydraulic side shift cc. 56 cm (1 double acting spool valve required).
- Heavy duty gearbox with integrated over run clutch and through drive for 1.000 r.p.m.
- Automatic belt tension adjustment.
- High tempered “M” Hammer flails with self-sharpening cutting edge to ensure a clean cut and maximum shredding using less power.
- Spiral rotor with specially formed flail lugs to protect against damage from obstacles and internal bearings protecting against dirt, wear and tear.
- **Hood Wear plate.**
- **Adjustable Vario cutting bar.**
- **Specially formed side skids with removable wearing skids.**
- Large pivoting self-cleaning roller (Ø 244 mm) to carry the flail mower, adjustable for different heights.
- High tempered one way spring steel protection flaps in front of the mower hood.
- Stand.
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- Purposely designed hood in conjunction with high rotor and cutting speeds and the removable shredding bar spreads the shredded material evenly behind the roller giving an excellent Mulching and Shredding Quality.
- Patented removable shredding bar – System: “Shark fin,” Heavy P.T.O. shaft.
- Rear roller scraper beam adjustable with roller in rear position.

### Options

- Centre mounted Headstock and gear box for 250 + 280 (Delivery time to be asked for).
- Shock absorbing linkage springs (for Front-Mounting recommended). Shock absorbing linkage springs (for Front-Mounting recommended).
- Hydraulic Weight Transfer MU-SOFA, for front mounting machines recommended.
- Alternative flails and rotor systems (M Shackle Flails).
- TUV Certificate on request

## Front or Rear mounted for Tractors up to 250 HP

Order No.	Model	Retail Price
MUPRO 250-41	MU-Pro 250 with Front and Rear Headstock	£16,626.00
MUPRO 280-41	MU-Pro 280 with Front and Rear Headstock	£17,433.00
MUPRO 300-41	MU-Pro 300 with Front and Rear Headstock	£18,188.00
MUPRO 320-41	MU-Pro 320 with Front and Rear Headstock	£18,787.00

### Options

MUMZ035	Shock absorbing Linkage springs. Front Mounting	£420.00
MUPROxxx-41	Central mounting 280 (Check Delivery time)	£250.00
MU-PROZ032	Vario Shift hyd adj of cutting bar 280 only	£2,710.00
MU-SOFA	Hydraulic Weight Transfer	£1,120.00
MUXZ030	Warning signs and lights (dealer fit)	£880.00
MUXZ040	Working hours meter with electronic sensor	£420.00
MUPROZ052-42	Rotor with "M" Shackle Flails	£1,170.00
MUPROZ054-41	2cut double-cut rotor Additional Cost	£1,300.00

### Technical Data

Model	WW cm	Overall Width (cm)	max. Tractor HP 1.000 r.p.m.	Weight kg	No. of flails Hammer
MU-Pro 250	250	270	250	1,330	22 / 38
MU-Pro 280	280	300	250	1,400	24 / 42
MU-Pro 300	300	320	250	1,460	26 / 46
MU-Pro 320	320	340	250	1,500	28 / 48



### Standard Equipment

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

### Options

- can also be used separately.
- 2Cut double-cut rotor
- Single-row harrow consisting of 20 harrow tines with angle and depth adjustment, incl. long PTO shaft.
- Pivoting support roller for conversion to standard mulching device (incl. scraper and crop guide flap)
- Working Hour meter.



Rear mounted for Tractors up to 250 HP

Order No.	Model	Retail Price
MU- Cover Seeder 280-41	Cover Seeder 280 Vario centred with Prism Roller 38cm pneumatic seeder and dust protection and LED lights	£33,800.00
<b><u>Options</u></b>		
MU-PROZ054-41	2 cut double rotor additional cost	£1,300.00
MU-AGRIZ010	Harrow with 20 tines (10mm) with angle and depth adjustment including longer PTO shaft	£3,535.00
MU-PROZ050-41	Swivel support roller for conversion to standard	£1,545.00
MU-XZ040	Working Hours meter	£420.00



**Technical Data**

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

**Rear mounted Hydraulic Folding for Tractors up to 300hp****Standard Equipment**

- Manufactured from High Quality QSt/E Steel, hydraulic folding with three point linkage Cat II +III.
- Large, patented rear rollers with the option to discharge the material before or after and to adjust height
- Gearbox with integrated over run for 1 000 rpm.
- Automatic belt tension.
- Adjustable Vario Cutting Bar
- Hood Wear plates.
- Hydraulic transport lock at an angle of 90 degrees
- High tempered "M" Hammer Flails.
- Smooth running rotor with specially shaped, spirally arranged blade holders
- Patented removable shredding bar – System: "Shark fin"
- Carbide wear skids, replaceable.
- High tempered one way spring steel protection flaps in front of the mower hood
- Purposely designed hood in conjunction with high rotor and cutting speeds and the removable shredding bar spreads the shredded material evenly behind the mower giving an excellent Mulching and Shredding Quality
- Hydraulic connection requirements: 2 single acting
- Heavy Duty PTO shaft with cap bottom lubrication
- Set of warning signs / lighting LED mounted

**Options**

- 4 wheels 23x10.50-12, 360 ° rotating with mechanical height adjustment.
- Hydraulically driven central mower. Hydraulic Requirements: 1 Single Acting and 1 x free return for the drain line directly into the oil tank (Delivery time on request)
- Working Hour Meter
- TUV Certificate on request

**Rear mounted Hydraulic Folding for Tractors up to 300hp**

Order No.	Model	Retail Price
MU-M 600-41.2	MU-M 600/F Vario with rollers	£43,194.00
MU-M 600-41.1	MU-M 600/F Vario with wheels	£45,561.00

**Options**

MU-MZ054-41/600	2 cut double-cut rotor with 48M Hammer flails each	£2,595.00
MU-MZ062	Scraper bar for roller	£1,370.00
MU-MZ060	Hydraulic Driven Central Mower	£4,985.00
MUXZ040	Working hours meter with electronic sensor	£420.00
MU-MZ070	Quick-hitch adaptor Cat 3	£2,595.00
MU-MZ032-600	Additional protection for extremely stony conditions	£1,770.00
MU-MZ061	Strip divider to reduce centre strip	£180.00
MU-PROZ016	2 x 300 2nd patented Shark Fin shredding bar	£500.00

**Technical Data**

Model	WW cm	Overall Width (cm)	max. Tractor HP 1.000 r.p.m.	Weight kg	No. of flails
MU-M 600/F	600	634	300	2,700	52 / 96

## Rear mounted Hydraulic Folding for Tractors up to 400hp



### Standard Equipment

- The complete unit is comprised of the MU-PRO/F 860 Vario and MU-PRO 280 Vario (centrally mounted) as a front mounted unit
- Manufactured from fine grain steel S700MC for a low dead weight combined with high strength
- Gear box with freewheel and through drive for 1000 rpm for Tractors up to 400 hp
- **Automatic belt tensioning**
- **High tempered M Hammer flails to ensure clean cut and maximum shredding using less power**
- 2 smooth running rotors with specially formed blade holders arranged in a spiral pattern
- Patented removable shredding bar – System: "Shark fin"
- **Hood Wear Plate**
- We recommend the MU-SOFA® weight transfer system for the Front Mower. (Standard in the rear)
- Large, patented swivelling support rollers with the option of discharging the mulch either behind or in front of the roller and for adjusting the working height.
- Robust Starinth® rear roller bearing system
- Carbide wearing skids, removable
- High tempered one-way spring steel protection flaps in front of the mower hood
- 4 support legs for space saving storage in the transport position
- **Heavy duty PTO shaft with hardened inner tube and cap bottom lubrication**
- Warning signs with LED lighting equipment for front and rear mounting (5 m cable is included)
- **Adjustable Vario cutting bar for adjusting the shredding rate**
- Scraper bar for displaced support roller

### Options

- **Second patented removable shredding bar – System: "Shark fin"**
- Operating hours counter with sensor, time recording via angular momentum

### Technical Data

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

Rear mounted Hydraulic Folding for Tractors up to 400hp



Order No.	Model	Retail Price
MU-Pro860-41.1	MU-Pro/F Vario rear mounted hydraulic folding	£64,061.00

**Options**

MU-PROZ05441 860	2Cut double cut rotor with 48M-hammer flails each	£2,595.00
MU-PROFZ032	Additional Protection for extremely stony conditions	£1,350.00
MU-PROZ054-41	Second row Shark Fin Shredding Bar	£500.00

**Front Mower able for use solo or rear-mounted**

Order No	Model	Retail Price
MU-PRO280-41.1	MU-PRO 280 Vario central mounted	£17,683.00

**Options**

MU-MZ035	Shock absorbing spring kit	£420.00
MU-SOFA	MU-SOFA® weight transfer system,	£1,120.00
MU-ProZ054-41	2 cut double cut rotor (with 42 M-hammer flails)	£1,300.00
MU-PROZ016	Second row Shark fin Shredding Bar	£255.00

MU-Pro 860-91.1 Trailed	MU-Pro/F Trail Vario	£93,360.00
-------------------------	----------------------	------------

# **Muthing** – Flail Mower MU-C/S GmbH & Co. KG

## Side Flail Mower with fixed Offset Headstock for Tractors up to 35 HP



### Standard Equipment

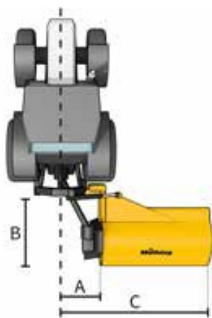
- Manufactured from High Quality QSt/E Steel with Headstock Cat. I for rear mounting.
- Fixed off set mounting (60 cm from centre of the tractor P.T.O.) for working near to the tractor, hood can be swivelled vertically.
- Working angle of Mulching Head 90° up to 45° down.
- Gearbox with integrated over run clutch for 540 r.p.m.
- Belt protection with tension measuring slot.
- Hydraulic transport safety lock at an angle of 90° with shut off tap, (1 double acting spool valve required).
- Stand.
- Shackle “M” Carbide flails to ensure long life, clean cut and maximum shredding using less power.
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles, bearings protected against dirt, wear and tear.
- Roller with well rounded edges to preserve the soil and turf and to carry the mulcher, adjustable to different heights.
- High tempered one way spring steel protection flaps in front of the mower hood.
- **Hardox Wearing skids.**
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- Purposely designed hood in conjunction with high rotor and cutting speeds and removable shredding bar spreads the shredded material evenly behind the roller giving an excellent Mulching and Shredding Quality.
- Patented removable shredding bar – System: “Shark fin”.
- P.T.O. shaft.
- **Inside of hood to centre of tractor 58cm**

**Muthing** – Flail Mower MU-C/S  
GmbH & Co. KG  
**Side Flail Mower with fixed offset Headstock  
 for Tractors up to 35 HP**

Order No.	Model	Retail Price
MU-C/S100-31	MU-C/S - fixed side mounted	£6,554.00
MU-C/S120-31	MU-C/S - fixed side mounted	£6,831.00

**Technical Data**

Model	WW cm	max tractor HP 540 r.p.m.	Weight kg	No. Of flails
MU-C/S 100	100	35	208	16
MU-C/S 120	120	35	225	20



	Working Width in cm	100	120
<b>A</b>	Offset mounting to the right	58	58
<b>B</b>	Transport length backwards	121	121
<b>C</b>	Maximum Width to the right	158	178

# **Müthing** – Multi Purpose Flail Mower MU-FM/S Rear and side multi-purpose Flail Mower for Tractors up to 45 HP



## **Standard Equipment**

- Manufactured from High Quality QSt/E Steel with Headstock Cat. I for Rear mounting.
- Hydraulic parallelogram side shift: 112 cm
- Overall working range: up to 272 cm (see chart)
- Working angle 90° up to 60° down.
- Gearbox with integrated over run clutch for 540 r.p.m.
- Belt protection with tension measuring slot.
- Patented Safety Mechanical Break Away System.
- Hydraulic transport safety lock at an angle of 90° with shut-off tap, (2 double acting spool valves required, at least one with floating position).
- High tempered Shackle “M” Carbide flails
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles and
- Internal bearings protecting against dirt, wear and tear.
- Purposely designed hood in conjunction with high rotor and cutting speeds and patented removable shredding bar – System: “Shark fin” spreads the shredded material evenly behind the roller giving an
- Excellent Mulching and Shredding Quality.
- Roller with well-rounded edges to preserve the soil and turf and to carry the flail, adjustable to different heights.
- **Wearing skids**
- High tempered one way spring steel protection flaps in front of the mower hood.
- Stand.
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- P.T.O. shaft with cap bottom lubrication.

## **Options**

- Hood Wear plate (Delivery time to be asked for).
- Working hours meter with electronic sensor
- TUV Certificate on request



# Müthing – Multi Purpose Flail Mower MU-FM/S

## Rear and side multi-purpose Flail Mower for Tractors up to 45 HP

Order No.	Model	Retail Price
MU-FM/S 120-31	MU-FM/S c/w safety Mechanical Break Away	£8,566.00
MU-FM/S 140-31	MU-FM/S c/w safety Mechanical Break Away	£8,995.00
MU-FM/S 160-31	MU-FM/S c/w safety Mechanical Break Away	£9,491.00

### Options

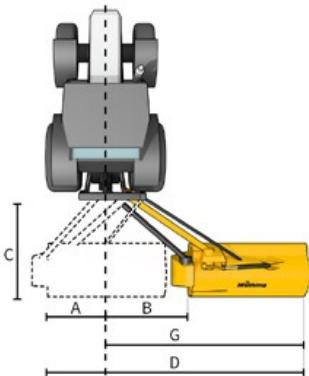
MU-FMSZ041	Hood Wear plate (factory fitted)	£390.00
MUXZ040	Working hours meter with electronic sensor	£420.00
MU-FMZ046	Second row Shark fin Shredding Bar	£135.00

### Technical Data

Model	WW cm	max tractor HP 540 r.p.m.	Weight kg	No. Of flails	Min Tractor weight
MU-FM/S	120	45	340	20	1,000
MU-FM/S	140	45	353	24	1,100
MU-FM/S	160	45	370	28	1,200

### Working Ranges MU-FM/S

The stated measurements are approximate and may vary according to different tractors.



Working Width in cm		120	140	160
<b>A</b>	Shifting Range to the Left in cm	29	29	29
<b>B</b>	Shifting Range to the Right in cm	83	83	83
<b>C</b>	Transport Length Backwards in cm	160	160	160
<b>D</b>	Overall Working Width incl. Machine Width	232	252	272



### Standard Equipment

- Manufactured from High Quality QSt/E Steel with Headstock Cat. I + II for rear mounting.
- Hydraulic side shift 86 cm (Inner edge of Mulching Head in between 90 cm to 140 cm from the centre of the Tractor P.T.O. to the outside).
- Working angle of Mulching Head 90° up to 60° down.
- Gearbox with integrated over run clutch for 540 r.p.m. or 1.000 r.p.m.
- Hydraulic transport safety lock at an angle of 90° with shut-off tap.  
(2 double acting spool valves required, at least one with float position).
- Belt protection with tension measuring slot.
- Mechanical Break Away System.
- Shackle “M” Carbide flails to ensure long life, clean cut and maximum shredding using less power.
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles, bearings protected against dirt, wear and tear.
- Purposely designed hood in conjunction with high rotor and cutting speeds and removable shredding bar spreads the shredded material evenly behind the roller giving an excellent Mulching and Shredding Quality.
- Patented removable shredding bar – System: “Shark fin”.
- Roller with well-rounded edges to preserve the soil and turf and to carry the flail, adjustable to different heights.
- High tempered one-way spring steel protection flaps in front of the mower hood.
- Stand.
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- P.T.O. shaft. Left or right hand build (Check availability)
- **Hardox wearing skids, removable.**

### Options

- Front and Rear Headstock with Mechanical Break Away System.
- Hood Wear Plate (Delivery time to be asked for).
- Second patented removable shredding bar – System: “Shark fin”.
- TUV Certificate on request

**Side Flail Mower for Rear or Front mounting  
for Tractors up to 60 HP**

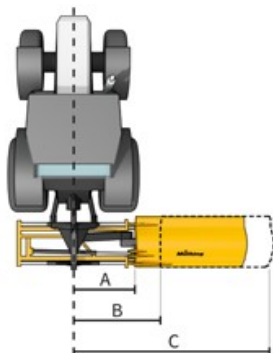
Order No.	Model	Retail Price
MU-E/S 120-10	MU-E/S 120 Headstock with side shift	£11,826.00
MU-E/S 140-10	MU-E/S 140 Headstock with side shift	£11,976.00
MU-E/S 160-10	MU-E/S 160 Headstock with side shift	£12,137.00

**Options**

MUESZ012-10	Front and Rear Headstock shiftable with Mechanical Break Away System <i>additionally (Delivery time to be asked for)</i>	£860.00
MU-E/SZ046	Second patented removable shredding bar System: "Shark fin".	£145.00
MU-E/SZ041	Hood Wear plate (factory fitted)	£720.00
MUXZ040	Working hours meter with electronic sensor	£420.00
MUXZ030	Warning signs and lights (dealer fit)	£880.00
MU-EZ020	Modification of rpm/rotation direction	£250.00

**Technical Data**

Model	WW cm	max tractor HP 540 r.p.m.	Weight kg	No. Of flails
MU-E/S 120	120	60	497	20
MU-E/S 140	140	60	520	24
MU-E/S 160	160	60	543	28



	Working Width in cm	120	140	160
<b>A</b>	Offset mounting to the right	86	86	86
<b>B</b>	Shifting Range to the Right	136	136	136
<b>C</b>	Maximum Width to the right	256	276	296

# Flail Mower MU-H/S Vario

## Rear and side multi-purpose Flail Mower for Tractors up to 90 HP



### Standard Equipment

- Manufactured from High Quality QSt/E Steel with Headstock Cat. II for Rear mounting.
- Hydraulic parallelogram side shift.
- Patented Safety Mechanical Break Away System.
- Working angle 90° up to 60° down.
- Gearbox with integrated over run clutch for 540 r.p.m.
- Belt protection with tension measuring slot.
- Hydraulic transport safety lock at an angle of 90° with shut-off tap, (2 double acting spool valves required, at least one with floating position).
- Stand.
- High tempered “M” Hammer flails to ensure clean cut and maximum shredding using less power.
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles and internal bearings protecting against dirt, wear and tear.
- Roller with internal bearings and well-rounded edges to preserve the soil and turf and to carry the flail, adjustable to different heights.
- **Hardox Wearing skids.**
- Adjustable Vario cutting bar
- High tempered one way spring steel protection flaps in front of the mower hood.
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- Purposely designed hood in conjunction with high rotor and cutting speeds and patented removable shredding bar – System: “Shark fin” spreads the shredded material evenly behind the roller giving an excellent Mulching and Shredding Quality.

### Options

- Hood Wear plate (Delivery time to be asked for)..
- Alternative flails and rotor systems (M Shackle Flails).
- TUV Certificate on request

# Müthing - Flail Mower MU-H/S Vario

## Rear and side multi-purpose Flail Mower for Tractors up to 90 HP

Order No.	Model	Retail Price
MU-H/S 160-31	MU-H/S 160 c/w Safety Mechanical Break Away	£12,108.00
MU-H/S 180-31	MU-H/S 180 c/w Safety Mechanical Break Away	£12,428.00
MU-H/S 200-31	MU-H/S 200 c/w Safety Mechanical Break Away	£12,899.00

### Options

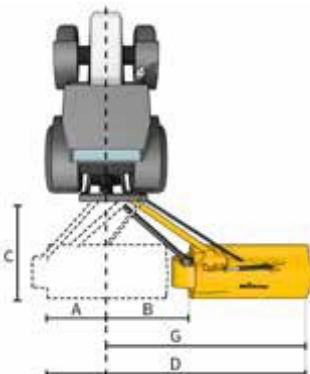
MUHZ041	Hood Wear plate (factory fitted)	£520.00
MU-HZ016	Second removable shredding bar	£190.00
MUXZ030	Warning signs and lights (dealer fit)	£880.00
MUXZ040	Working hours meter with electronic sensor	£420.00
MUHZ052-31	Rotor with M Shackle Flails only with MU-HZ041	£810.00

### Technical Data

Model	WW cm	Max. Tractor HP	Weight kg	No. of Flails	Min. tractor weight
MU-H/S 160	160	90	660	14	2,000
MU-H/S 180	180	90	690	16	2,200
MU-H/S 200	200	90	720	16	2,400

### Working and Shifting Ranges MU-H/S

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



	Working Width in cm	140	160	180	200
<b>A</b>	Shifting Range to the Left in cm	55	55	55	55
<b>B</b>	Shifting Range to the Right in cm	100	100	100	100
<b>C</b>	Transport Length Backwards in cm	185	185	185	185
<b>D</b>	Overall Working Width ind. Machine Width	295	315	335	355

**Rear and side multi-purpose Flail Mower for Tractors up to 130 HP****STANDARD EQUIPMENT**

- Manufactured from High Quality QSt/E Steel with Headstock Cat. II for Rear mounting.
- Hydraulic parallelogram side shift.
- Patented Safety Mechanical Break Away System.
- Working angle 90° up to 60° down.
- Gearbox with integrated over run clutch for 540 r.p.m.
- Belt protection with tension measuring slot.
- Hydraulic transport safety lock at an angle of 90° with shut-off tap,
- Stand.
- **Hardox wearing skids, removable**
- High tempered “M” Hammer flails to ensure clean cut and maximum shredding using less power.
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles and internal bearings protecting against dirt, wear and tear.
- Roller with internal bearings and well rounded edges to preserve the soil and turf and to carry the flail, adjustable to different heights
- Adjustable Vario cutting bar
- High tempered one way spring steel protection flaps in front of the mower hood.
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- Purposely designed hood in conjunction with high rotor and cutting speeds and patented removable shredding bar – System: “Shark fin” spreads the shredded material evenly behind the roller giving an excellent Mulching and Shredding Quality.

**OPTIONS**

- Adjustable Vario cutting bar
- Hood Wear plate (Delivery time to be asked for).
- Heavy duty Double wide-angle P.T.O. shaft.
- Alternative flails and rotor systems (M Shackle Flails).
- TÜV Certificate on request

## Rear and side multi-purpose Flail Mower for Tractors up to 130 HP

Order No.	Model	Retail Price
MU-L/S 200-31	MU-L/S 200 c/w Safety Mechanical Break Away	£15,376.00
MU-L/S 220-31	MU-L/S 220 c/w Safety Mechanical Break Away	£15,526.00
MU-L/S 250-31	MU-L/S 250 c/w Safety Mechanical Break Away	£15,791.00

### Options

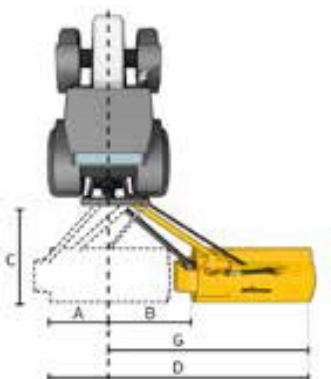
MULZ041.2	Hood Wear plate (factory fitted)	£655.00
GE2504WW	Heavy Duty Double wide angle P.T.O. Shaft	£1,215.00
MUL/S046	Extension sides and Scraper for roller in rear position	£705.00
MUXZ030	Warning signs and lights (dealer fit)	£880.00
MU-LZ016	Second row Shark Fin Shredding bar	£240.00
MULZ052-31	Rotor with M Shackle Flails only with MU-LZ041.2	£1,010.00

### Technical Data

Type	WW cm	max. Tractor HP	Weight kg	No. of Flails Hammer	No. of Flails M Shackle	Min. tractor weight
MU-L/S 200	200	130	910	16	40	2,800
MU-L/S 220	220	130	930	18	46	3,200
MU-L/S 250	250	130	950	22	52	3,500

### Working and Shifting Ranges MU-L/S

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



	Working Width in cm	200	220	250
<b>A</b>	Shifting Range to the Left in cm	70	70	70
<b>B</b>	Shifting Range to the Right in cm	105	105	105
<b>C</b>	Transport Length Backwards in cm	200	200	200
<b>D</b>	Overall Working Width incl. Machine Width in cm	375	395	425

**Verge Mower for Rear mounting  
for Tractors up to 160 HP****Standard Equipment**

- Manufactured from High Quality QSt/E Steel.
- Rear mounted Headstock Cat. II + III with hydraulic horizontal side shift.
- Side shift 45 cm (Inner edge of Mulching Head in between 120 to 165 cm from the centre of the tractor P.T.O. to the outside).
- Working angle of Mulching Head 90° up to 60° down.
- Hydraulic Safety Break Away System and hydraulic transport lock.
- Gearbox with integrated over run clutch for 1.000 r.p.m.
- Hood Wear plate.
- Automatic belt tension, Belt protection with tension measuring slot.
- High tempered DURAX “M” Hammer flails to ensure clean cut and maximum shredding using less power.
- Well balanced spiral Rotor with specially formed flail lugs to protect against damage from obstacles and internal bearings protecting against dirt, wear and tear.
- Roller (Ø 244 mm) with internal bearings and well-rounded edges to preserve the soil and turf and to carry the flail, adjustable to different heights.
- **Hardox Wearing skids.**
- High tempered one way spring steel protection flaps in front of the mower hood.
- Swinging arm connection of Head Stock and Mulching Head together with optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut (2 double acting spool valves required, at least one with float position).
- Patented removable shredding bar – System: “Shark fin”.

**Options**

- Heavy duty Double wide angle P.T.O. shaft.
- Second patented removable shredding bar – System: “Shark fin”.
- Roller scraper for displaced rear roller
- Alternative flails and rotor systems (M Shackle Flails).
- TUV Certificate on request



## Verge Mower for Rear mounting for Tractors up to 160 HP

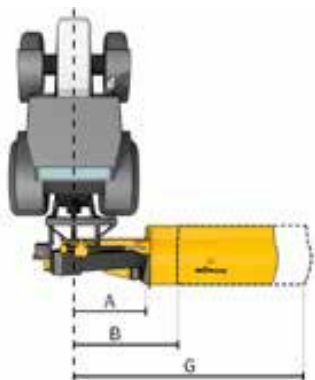
Order no.	Model	Retail price
MUM/S180-31	MU-M/S 180 Rear mounting	£21,911.00
MUM/S200-31	MU-M/S 200 Rear mounting	£22,441.00
MUM/S220-31	MU-M/S 220 Rear mounting	£22,775.00
MUM/S250-31	MU-M/S 250 Rear mounting	£23,409.00

### Options

MUM/SZ016	Second removable shredding bar "Shark fin"	£240.00
GE2502 WW	Heavy duty Double wide angle P.T.O. shaft	£1,175.00
MUM/SZ046	Roller scraper for displaced rear roller	£705.00
MUXZ030	Warning signs and lights (dealer fit)	£880.00
MUXZ040	Working hours meter with hydraulic sensor	£420.00
MULZ052-31	Rotor with "M" Shackle Flails	£1,010.00

### Technical Data

Model	WW cm	max. Tractor HP 1.000 r.p.m.	Weight kg	No of flails
MU-M/S 180	180	160	1,140	16
MU-M/S 200	200	160	1,210	16
MU-M/S 220	220	160	1,280	18
MU-M/S 250	250	160	1,380	22



	Working Width in cm	180	200	220	250
<b>A</b>	Offset mounting to the right	120	120	120	120
<b>B</b>	Shifting Range to the Right	165	165	165	165
<b>C</b>	Maximum Width to the right	345	365	385	415

## Rear and side multi-purpose Flail Mower for Tractors up to 220hp



### STANDARD EQUIPMENT

- Manufactured from High Quality QSt/E Steel with Headstock Cat. III for Rear Mounting
- Hydraulic parallelogram side shift: 296cm
- Hydraulic break back
- Working angle 90° up to 60° down.
- Gearbox with integrated over run clutch for 1000 rpm
- Belt protection with tension measuring slot.
- Hydraulic transport safety lock at an angle of 90° with shut-off tap,
- Stand.
- **Roller scraper**
- **Hood Wear Plate**
- **Adjustable Vario cutting bar**
- **Hardox Wear Skids**
- High tempered “M” Hammer flails to ensure clean cut and maximum shredding using less power.
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles and internal bearings protecting against dirt, wear and tear.
- Roller with internal bearings and well rounded edges to preserve the soil and turf and to carry the flail, adjustable to different heights.
- High tempered one way spring steel protection flaps in front of the mower hood.
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- Purposely designed hood c/w secondary wear plate in conjunction with high rotor and cutting speeds and patented removable shredding bar – System: “Shark fin” spreads the shredded material evenly behind the roller giving an excellent Mulching and Shredding Quality. P.T.O. shaft.

### OPTIONS

- 2<sup>nd</sup> Cut Double Cut Rotor
- Alternative flails and rotor systems (M Shackle Flails).
- TUV Certificate on request

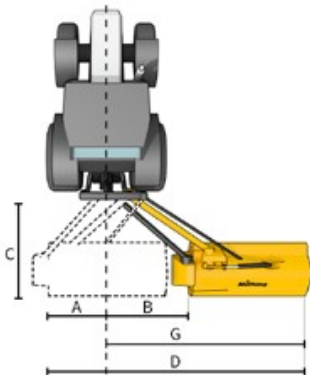
## Rear and side multi-purpose Flail Mower for Tractors up to 220hp

Order number	Model	Retail Price
MU-Pro/S	MU-Pro/S 250 c/w Hydraulic Safety Break Away	£28,322.00
<b>Options</b>		
MUXZ030	Warning signs with lights (dealer fit)	£880.00
MUXZ040	Working hours meter with hydraulic sensor	£420.00
MULZ052-31	Rotor with M Shackle Flails	£1,170.00
MUPROZ054-41/250	2Cut Double Cut Rotor (with 38 M-Hammer Flails-Additional cost	£1,300.00

### Technical Data

Type	WW cm	max. Tractor HP	Weight kg	No. of Flails	Min. tractor weight
MU-Pro/S250	250	220	1,900	22	7,000

### Working and Shifting Ranges MU-Pro/S The stated measurements are approximate and may vary according to different tractors



	Working Width in cm	<b>250</b>
<b>A</b>	Shifting Range to the Right in cm	103
<b>B</b>	Shifting Range to the Left in cm	193
<b>C</b>	Transport Length Backwards in cm	370
<b>D</b>	Overall Working Width incl. Machine Width in cm	546
<b>G</b>	Maximum width to the right	443

# Müthing – Flail Mower MU-Farmer 670

GmbH & Co. KG

## Rear mounting for Tractors up to 300 HP



### Standard Equipment

- *Heavy duty flail mower for professional use, manufactured from High Quality QSt/E Steel for mowing and shredding of large quantities of biomass using less power.*
- Fixed Headstock Cat. II + III for rear mounting with floating upper linkage point.
- Quick attach axle for quick change to transport from working position
- 4 Swivelling, height adjustable rubber wheels 10.0/75-15.3 AW.
- Hydraulic moveable Transport axle with Transport wheels 10.0/75 – 15.3
- Heavy duty gearbox with integrated over run clutch for 1.000 r.p.m.
- Automatic belt tensioning.
- Hood wear plate.
- High tempered large and heavy duty “M” Farmer Hammer Flails with self-sharpening cutting edge to ensure a clean cut and maximum shredding using less power.
- Spiral rotor with specially formed flail lugs to protect against damage from obstacles and internal bearings protecting against dirt, wear and tear.
- Two rows of high tempered one way spring steel protection flaps in front of the mower hood.
- Large hood with specially formed side plates and side skids with cutting function.
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- Purposely designed hood in conjunction with high rotor and cutting speeds and two removable shredding bars spreads the shredded material evenly inside the hood giving an excellent Mulching and Shredding Quality.
- Two patented removable shredding bars – System: “Shark fin”.
- Heavy duty P.T.O. shaft.
- Warning signs and lights

### Options

- Working hours meter with electronic sensor.
- TUV Certificate on request

**Müthing** – Flail Mower MU-Farmer 670  
GmbH & Co. KG  
 Rear mounting for Tractors up to 300 HP

<u>Order No.</u>	<u>Model</u>	<u>Retail price</u>
MU-FARMER 670-10	MU-FARMER 670 Rear mounting with transport axle	£59,068.00
<b><u>Options</u></b>		
MUXZ040	Working hours meter with electronic sensor	£420.00
MU-MZ070	Quick Hitch adapter Cat 3	£2,595.00

**Technical Data**

<u>Model</u>	<u>WW cm</u>	<u>Overall Width cm</u>	<u>Transport length cm</u>	<u>max. Tractor-HP 1.000 r.p.m.</u>	<u>Weight kg</u>	<u>No. of flails</u>
MU-FARMER 670	670	712	972	300	4,460	44

**When ordering please state tractor model together with  
size and dimension of tractor P.T.O.**

# **Müthing** – Flail Mower MU-W GmbH & Co. KG

## Front and Rear mounted for Tractors 35 to 90 HP For Vineyards



### Standard equipment

- Manufactured from High Quality QSt/E Steel with fixed Headstock Cat. I + II for Front or Rear mounting.
- Gear box with integrated over run clutch and through drive for 540 / 1.000 r.p.m.
- Extremely slim designed belt protection with tension measuring slot – strengthened to the front
- High tempered “Durax M” Hammer flails to ensure clean cut and maximum shredding using less power.
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles and internal bearings protecting against dirt, wear and tear.
- Roller with internal bearings and well-rounded edges to preserve the soil and turf and to carry the mulcher, adjustable for different heights.
- Wearing skids (vertical or horizontal, please state when ordering).
- High tempered one way spring steel protection flaps in front of the mower hood.
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- Purposely designed hood in conjunction with high rotor and cutting speeds and removable shredding bar spreads the shredded material evenly in front of the roller giving an excellent Mulching and Shredding Quality.
- Patented removable shredding bar – System: “Shark fin”, P.T.O. shaft.

### Options

- Hood Wear plate.
- Additional Carbide wearing skids, removable.
- Beam with rakes for collecting wood inside the hood in front of the roller (Fruit and wine growing).
- Side deflectors, height and length adjustable.
- TUV Certificate on request

# Müthing – Flail Mower MU-W

GmbH & Co. KG

## Front or Rear mounted for Tractors up to 90 HP For Wine and Fruit Growing

Order No.	Model	Retail Price
MU-W120-31	MU-W 120 with fixed Headstock	£6,414.00
MU-W140-31	MU-W 140 with fixed Headstock	£6,483.00
MU-W150-31	MU-W 150 with fixed Headstock	£7,356.00
MU-W160-31	MU-W 160 with fixed Headstock	£7,647.00
MU-W180-31	MU-W 180 with fixed Headstock	£7,825.00
MU-W200-31	MU-W 200 with fixed Headstock	£8,023.00

### Options

MU-HZ010-1	Front or Rear Headstock Cat 1+11	£310.00
MU-LZ012.1	Adj Front/Rear Headstock MU-W 130-200	£710.00
MU-HZ002	Hydraulic Side Shift	£395.00
MU-HZ061	Lower Link Extension Suitable for Cat 1+2	£290.00
MU-HZ016	Second System "Shark fin" Shredding Bar	£190.00
MU-HZ041-1	Hood Wear plate (factory mounted)	£520.00
MU-HZ035	Shock Absorbing linkage springs	£375.00
MU-HZ040	Beam With Rakes	£305.00
MU-HZ020	Modification 540 to 1000 r.p.m.	£250.00
MU-LZ022	Double free wheel gearbox for either PTO rotation	£490.00
MU XZ030.1	Warnig signs and lights (dealer fit)	£880.00
MUXZ040	Working hours meter with electronic sensor	£420.00
MU-SOFA	Weight Transfer System	£1,120.00
MU-WZ020	Conversion to 2 Groove Belt	£250.00

### Technical Data

Model	WW cm	Overall width cm	Max Tractor HP		Weight kg	No of Hammer Flails
			540 RPM.	1.000 RPM.		
MU-W 120	120	128	75	90	375	10
MU-W 130	120	138	75	90	390	10
MU-W 140	140	148	75	90	405	12
MU-W 150	150	158	75	90	425	12
MU-W 160	160	168	75	90	450	14
MU-W 180	180	188	75	90	490	16
MU-W 200	200	208	75	90	525	16

# **Müthing** – Flail Mower MU-O Vario GmbH & Co. KG Front and Rear mounted for Tractors 35 to 130 HP For Orchards



## **Standard equipment**

- Manufactured from High Quality QSt/E Steel with fixed Headstock Cat. I + II for Rear mounting.
- Mechanical Side Shift MU-O 180-250 Vario 56cm
- Gear box with integrated over run clutch and through drive for 540 / 1.000 r.p.m.
- Belt protection with tension measuring slot.
- High tempered “Durax M” Hammer flails to ensure clean cut and maximum shredding using less power.
- Spiral Rotor with specially formed flail lugs to protect against damage from obstacles and internal bearings protecting against dirt, wear and tear.
- Large support roller for adjusting height of mulcher with patented Starinth roller bearing
- Hardox Wearing skids with separating effect special fruit growing standard
- Adjustable Vario Cutting Bar
- High tempered one-way spring steel protection flaps in front of the mower hood.
- Optimised distance between the outer rotor circle and the roller guarantees perfect contour following and an even quality of cut.
- Purposely designed hood in conjunction with high rotor and cutting speeds
- Patented removable shredding bar – System: “Shark fin”, P.T.O. shaft.
- Prepared for Rake Mounting

## **Options**

- Hood Wear plate.
- Front and Rear three-point linkage Cat1 + 2
- Front shock absorbing springs
- MU-SOFA weight transfer system
- Hyd Side Shift
- Lower Link Extension for Cat 1 + 2.
- Beam with rakes for collecting wood inside the hood in front of the roller (Fruit and wine growing).
- Side deflectors, height and length adjustable.
- Warning Lights



**M<sup>u</sup>thing** – Flail Mower MU-O Vario  
GmbH & Co. KG  
**Front or Rear mounted for Tractors up to 130 HP**  
**For Wine and Orchards**

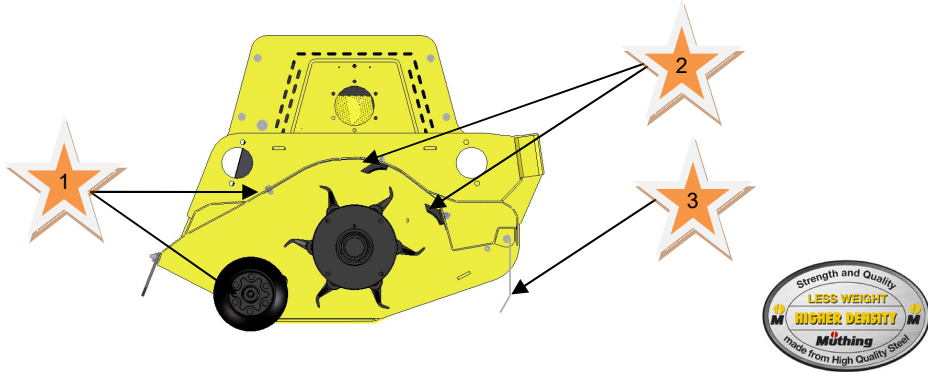
<b>Order No.</b>	<b>Model</b>	<b>Retail Price</b>
MU-O180	MU-O 180 with adjustable Headstock	£9,993.00
MU-O200	MU-O 200 with adjustable Headstock	£10,316.00
MU-O220	MU-O 220 with adjustable Headstock	£10,823.00
MU-O250	MU-O 250 with adjustable Headstock	£11,365.00

**Options**

MU-LZ012.1	Front and Rear Headstock Shiftable	£255.00
MU-Lxxx-31	Central Mounting	£230.00
MU-HZ002	Hyd Side Shift 56cm Stroke	£395.00
MU-HZ061	Lower Link Extension Suitable for Cat 1+2	£290.00
MU-HZ041-1	Hood Wear plate (factory mounted)	£655.00
MU-HZ035	Shock Absorbing linkage springs	£375.00
MU-HZ040	Beam With Rakes	£540.00
MU-HZ020	Modification 540 to 1000 r.p.m.	£250.00
MU-LZ022	Double free wheel gearbox for either PTO rotation	£670.00
MU XZ030.1	Warning signs and lights (dealer fit)	£880.00
MUXZ040	Working hours meter with electronic sensor	£420.00
MU-SOFA	Weight Transfer System	£1,120.00

**Technical Data**

<b>Model</b>	<b>WW</b> <b>cm</b>	<b>Overall width</b> <b>cm</b>	<b>Max Tractor HP</b>		<b>Weight</b> <b>kg</b>	<b>No of</b> <b>Hammer Flails</b>
			<b>540 RPM.</b>	<b>1.000 RPM.</b>		
MU-O 180	180	197	100	130	660	16
MU-O 200	200	217	100	130	690	16
MU-O 220	220	237	100	130	760	18
MU-O 250	250	267	100	130	810	22



**Purposely designed hood made of high quality QStE steel with many angles**

- Smooth running, therefore economical on fuel
- Every profile angle creates strength, therefore retaining value
- Large opening between mulching hood and rear roller, therefore reducing blockages when cutting high volumes of mulch mass

**Removable Bolt-on wear parts for easy replacement**

- Long lasting maintenance for first rate Müthing mulch quality
- Maintaining residual value

**Exceptional shredding of crop residues under practically all conditions**

- Unique, patented "Shark fin" shredding bar system with bolt-on segments to ease removal
- Exceptional chopping quality ensured, virtually regardless of weather conditions
- Smooth running flail mower, meaning increased fuel economy

**Excellent ground contour following with an even cutting height**

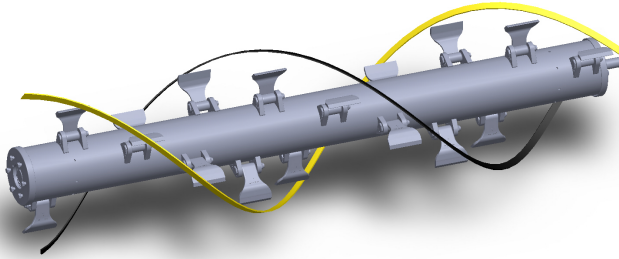
- The supporting roller is located very close to the rotor, which means precise contour following
- The mulched material is spread evenly and distributed behind the rear roller, which means faster decomposition
- The rotor cleans the rear roller automatically, which means no heap or swath formation

**Professional implements with unique "Starinth" rear roller bearing system (from model range MU-L upwards)**

- Very long service life due to the countervailing star design and labyrinth sealing (see also page 55)

**High tempered one way spring steel flaps with swing protection**

- Reduced breakage which means increased reliability and safety
- Additional stone guard protection can be supplied



## Double spiral rotor

- Smooth running because the blades are constantly in work, which means more fuel economy

## Tangentially arranged flail holders

- Obstacles and impacts are overcome, which means fewer flails lost, combined with less rotor damage

## The rear side of the Müthing Hammer or Shackle flail shape mirrors the shape of the rotor

- Low wear hammer flails with self-sharpening effect
- When obstacles are hit the Müthing hammer flail is swung back across the full width of its rear side onto the rotor, which means fewer flail breakages and fewer rotor imbalances
- The use of high quality materials means value conservation, safety and reliability

## Drive

- All Müthing flail mowers are protected by an integrated over run clutch within the mechanical gearbox or within the hydraulic drive (when mounted), which means protection for the flail mower and the drive system, requiring less maintenance

## Maintenance

- Few lubrication points which are easy to access without tools

## Safety

- Our flail mowers are manufactured according to current Machinery Directives, CE regulations and are TÜV certified



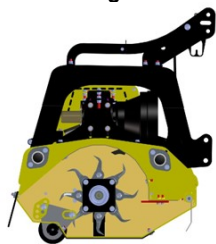


**The new generation of mulchers from Mühling  
for all types of application throughout the year.**

**Economical – ecological – adaptable – efficient**

- Optimised hood shape with efficient shredding channel for better mulching quality and defibration
- Variable adjustment of the shredding ratio and the suction/feed capacity for different requirements
- Option for easy adjustment of the rear roller for use in difficult weather and soil conditions
- TÜV-certified thrown object test according to ISO 17101-2 for optimal safety

.... for mulching that saves time and energy



**MU-H Vario**

with Front or Rear mounting (Standard)  
with Front and Rear mounting (Option)



**MU-L Vario**

Optimised mulcher hood with a larger open front

- for better material flow

Efficient suction and blade clearance

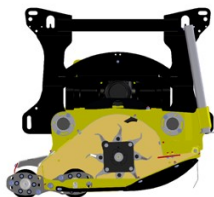
- for a greater suction effect and better material uptake

Adjustable cutting bar (optional)

- for various shredding ratios when meeting different requirements

Longer shredding channel with "Shark fin" short shredding bar system

- for optimum shredding and defibration



**MU-M Vario**

with Front and Rear mounting  
(Standard)



**MU-PRO Vario**

**additionally with**

Pivoting rear roller that can be adjusted in a one man operation

- for depositing mulch material either behind or in front of the rear roller

Slotted holes in the lower and upper link points

- for better ground contour following

# Müthing – Roller Bearing „Starinth“ GmbH & Co. KG

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

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

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

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

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

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

**Heavy duty – durable – long lasting – easy to refit**



# Müthing GmbH & Co. KG – Mulching-Systems (MMS)

Name ..... Date .....

Address ..... Sign .....

Tel. ....

Fax ..... to .....

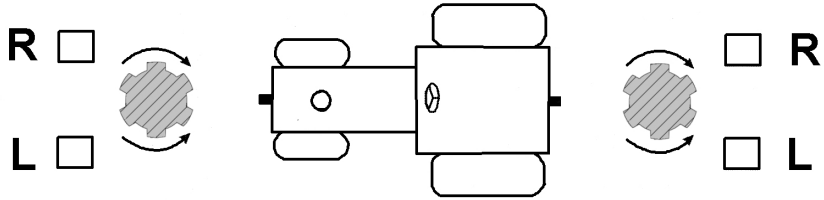
---

Tractor Model: .....

Year: .....

---

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



Mounting of flail mower

- |                                 |                                  |                                      |
|---------------------------------|----------------------------------|--------------------------------------|
| <input type="checkbox"/> Rear   | <input type="checkbox"/> Front   | <input type="checkbox"/> Rear pushed |
| <input type="checkbox"/> Cat. I | <input type="checkbox"/> Cat. II | <input type="checkbox"/> Cat. III    |
- 

P.T.O. rotation & RPM.....

Profile and width of the P.T.O. : .....

Height of P.T.O. (Centre from ground) .....

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

When front mounted: Maximum Front Axle weight: .....

When front mounted: Lifting capacity of Front hydraulics: .....

---



## Hydraulic Weight Transfer kit for Front Mounted Flails



**The hydraulic weight transfer" MU-SOFA" by Müthing stands for:**

**S** => Security during transport and work

**O** => Optimization of traction (tractor) and weight of the attachment

**F** => Flotation of the attachment during transport and work

**A** => Adjustment continuously of the Flail in various ground conditions

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.**

**The hydraulic kit is designed to:**

- > Help the steering capability of tractors in work with front mounted attachments
- > To reduce bouncing during transport.
- > To optimize the perfect contour following for an even and high quality of cut.
- > To reduce Running Costs (bearings, wearing parts etc.)
- > To save expensive accessories (e.g. front mounted wheels).

# Müthing GmbH & Co. KG - Flails and Shackles

For all models MU-H to MU-Maxi



**"M" Hammer Flail**



**"M" Shackle Flail**

<b>Order No.</b>	<b>Model</b>
<b><u>"M" Hammer Flail</u></b>	
MU000306	<b>Original "M" Hammer Flail</b>
MU980416	Bolt with nut
<b><u>"M" Shackle Flail</u></b>	
MU000449	<b>Original "M" Shackle Flail</b>
MU000560	Müthing - Spacer
MU000507	<b>Original "M" Shackle - twisted -</b>
MU980509	Bolt with nut
<b><u>"M" back to back Flail for Shackle Rotor</u></b>	
00008275	2 x "M" back to back Blades outside
00008276	Müthing - Shackle
MU980509	Bolt with nut

For all models MU-Farmer



**„M“ Hammer Flail "Farmer"**

**3 years warranty against break of „M“-Hammer**

**"M" Hammer Flail "Farmer"**

MG00350-A

**Original "M" Hammer "Farmer"**

3 years guarantee against break of "M" Hammer

MAG00353

Bolt with nut



For all models MU-C to MU-E



**Order No.**

**Model**

---

**"M" Scoop Flail for MU-C+MU-FM+MU-C/S+MU-FM Hydro**

MU1            **Original "M"** Scoop Flail C+FM  
MU3            2 x Spacer  
MU0801041   Bolt with nut

**"M" Carbide Shackle Flail for MU-C+MU-FM+MU-C/S+MU-FM Hydro**

**STANDARD**

MU50           **Original "M"** Carbide Shackle Flail short  
MU0801031   **Original "M"** Shackle short  
MU0801041   Bolt with nut

**"M" Carbide-Shackle Flail for MU-E, MU-E/S, MU-E/Hydro**

**STANDARD**

MU4            **Original "M"** Carbide Shackle Flail long  
MU1101011   **Original "M"** Shackle long  
MU0801041   Bolt with nut

**"M" Carbide-Shackle Flail for MU-E Vario**

**STANDARD**

MU4            **Original "M"** Carbide Shackle Flail long  
MU0801031   **Original "M"** Shackle short  
MU0801041   Bolt with nut

**For spare parts department**  
**Tel 01450 860340**  
**Fax 01450 860733**  
**parts@simon-richard.co.uk**



# Notes

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

# SIMON RICHARD LIMITED

 **SHIBAURA** - **REFORM**  **Müthing**  
GmbH & Co. KG



**For all your mowing requirements in Agriculture and Groundcare**

**CROWN TAILRIG, BONCHESTER BRIDGE, HAWICK, TD9 8RA**

**TEL: 01450 860 774 - FAX: 01450 860 772 - MOBILE: 07836 733776**

**Website: [www.simon-richard.co.uk](http://www.simon-richard.co.uk), email - [mail@simon-richard.co.uk](mailto:mail@simon-richard.co.uk),  
[www.slopemower.co.uk](http://www.slopemower.co.uk)**