

Flail mowers

general characteristics



Flail knives

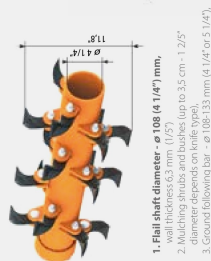
ALPINA 300



Flail mowers – mulchers are designed for general maintenance of lawns, orchards or pastures as well as carriage way grass maintenance. These machines are used to mulch straw, thicket and bushes (up to 8 cm / 3 1/5”) and cut weed on undeveloped areas with intention to leave the swath spread. Mulcher’s main task is to cut the grass and spread it properly crumbled along the whole width of the cut surface. It enables forming a natural swath and plant offcuts mineralization.

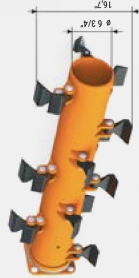
FLAIL MOWERS – MULCHERS

LIGHT CLASS (PIKO - LAMA - NANO HYDRO - IBIS)



1. Flail shaft diameter - $\varnothing 110$ mm (4 1/4”), flail thickness 8 mm (3/16”).
2. Matching shrouds and bushes (up to 3.5 cm - 1 3/8”), diameter depends on knife type).
3. Ground following bar - $\varnothing 108-133$ mm (4 1/4” or 5 1/4”).

HEAVY CLASS (GRINO - KBRP)



1. Flail shaft diameter - $\varnothing 168$ mm (6 3/5”), flail thickness 8 mm (3/16”).
2. Matching shrouds and bushes (up to 7 cm - 3 1/8”).
3. Ground following bar - $\varnothing 168$ mm (6 3/5”).

MEDIUM CLASS (MIDO - KANGU - KW - VINO)



1. Flail shaft diameter - $\varnothing 155-169$ mm (6 1/8” - 6 3/4”), flail thickness 10 mm (3/8”).
2. Matching shrouds and bushes (up to 6 cm - 2 3/8”).
3. Ground following bar - $\varnothing 133$ (5 1/5”) - 168 mm (6 3/5”).

SUPER HEAVY CLASS (MAMUT)



1. Flail shaft diameter - $\varnothing 203$ mm (8”), flail thickness 10 mm (3/8”).
2. Matching shrouds and bushes (up to 8 cm - 3 1/8”).
3. Ground following bar - $\varnothing 203$ (8”) - 235 (9 1/4”).

KNIFE TYPE I
Max. diameter of branches to be cut: $\varnothing 30$ mm (1 1/8”), Length: 98 mm. Width: 44 mm, Length: 98 mm. **~ 1,2 kg (2,65 lbs)**

KNIFE TYPE II
Max. diameter of branches to be cut: $\varnothing 104$ mm (2x 32 mm), Length: 120 mm. Width: 104 mm, Length: 120 mm. **~ 0,6 kg (1,3 lbs)**

KNIFE TYPE III
Max. diameter of branches to be cut: $\varnothing 75$ mm (1 2/5”), Length: 120 mm. Width: 104 mm, Length: 120 mm. **~ 1,0 kg (2,2 lbs)**

KNIFE TYPE VII
Max. diameter of branches to be cut: $\varnothing 20$ mm (4/5”), Length: 73 mm. Width: 68 mm, Length: 73 mm. **~ 0,2 kg (0,45 lbs)**

KNIFE TYPE IV
Max. diameter of branches to be cut: $\varnothing 55$ mm (2 1/5”), Length: 115 mm. Width: 102 mm, Length: 115 mm. **~ 1,0 kg (2,2 lbs)**

KNIFE TYPE V
Max. diameter of branches to be cut: $\varnothing 90$ mm (3 1/2”), Length: 105 mm. Width: 100 mm, Length: 105 mm. **~ 0,6 kg (1,3 lbs)**

KNIFE TYPE VI
Max. diameter of branches to be cut: $\varnothing 80$ mm (3 1/5”), Length: 110 mm. Width: 120 mm, Length: 110 mm. **~ 1,4 kg (3,1 lbs)**

KNIFE TYPE VIII
Max. diameter of branches to be cut: $\varnothing 17$ mm (2/3”), Length: 82 mm. Width: 84 mm (2x 42 mm), Length: 82 mm. **~ 0,3 kg (0,65 lbs)**

KNIFE TYPE X
Max. diameter of branches to be cut: $\varnothing 35$ mm (1 3/8”), Length: 88 mm. Width: 65 mm, Length: 88 mm. **~ 0,3 kg (0,65 lbs)**

KNIFE TYPE XI
Max. diameter of branches to be cut: $\varnothing 15$ mm (9/16”), Length: 88 mm. Width: 72 mm, Length: 88 mm. **~ 0,2 kg (0,45 lbs)**

FLAIL KNIFE TYPES	
TYPE	STANDARD OPTION
PIKO	X VII, VIII
MIDO	V II, III, IV
VINO	VI
NANO HYDRO	X VII, VIII
GRINO	V II, III, IV
MAMUT	VI II, IV
KANGU	V II, III, IV
KBRP	I II, III, IV
LAMA	V ⁺ , VII VII, IX
KW	I II, III, IV
IBIS	VII IX, XI, XII

KNIFE TYPE IX
Max. diameter of branches to be cut: $\varnothing 35$ mm (1 3/8”), Length: 122 mm. Width: 70 mm, Length: 122 mm. **~ 0,3 kg (0,65 lbs)**

KNIFE TYPE XII
Max. diameter of branches to be cut: $\varnothing 15$ mm (9/16”), Length: 88 mm. Width: 75 mm, Length: 88 mm. **~ 0,2 kg (0,45 lbs)**

Flail mowers

MAMUT 250, MAMUT 280, MAMUT 300 REAR-FRONT
SUPER HEAVY DUTY CLASS



Mamut, typically can be aggregated on 3-point hitch Cat. II. Flail shaft is powered by the PTO shaft. Mower can be mounted at the front or rear of the tractor, which improves general

comfort of operation. Mower is additionally equipped with side-shift option to provide comfortable obstacle passing and easier overlap adjustment.

Standard equipment:

shaft with double flail spiral (double overlapping) • overrunning clutch integrated in gearbox • hydraulic side shift • double-shell body • mowing height adjustment with ground following bar • hardened sliding skids • adjustable support stands • protective metal sheet guards • replaceable counter-knives • PTO shaft • automatic tensioning of V-belts • flails at choice

Characteristics:

Heavy duty flail mower is designed for mulching soil fertilisation plants (lupinus, phacelia, snapis, rapeseed, field pea, rye) before the tillage. As well as difficult to plough plant remains, like thick corn stalks. It is also used for pasture and uncultivated area maintenance.

Hydraulic side shift:



Flail mowers



Advantages:

- side-shift for 50 cm (1' 10") possible
- large working efficiency
- front mount possible
- large diameter of flail shaft 8" improves its durability and peripheral knife speed
- bearing protection and lubrication system
- Two-skin steel shell. Inner layer made of hard-wearing material, which significantly improves durability and wear resistance
- heavy-duty forged flail knives
- perfect ground following and even cutting height
- gearbox equipped with overrunning clutch
- PTO shaft as standard

