



Symbol of Perfection

rotary mowers



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ORCHARD EQUIPMENT

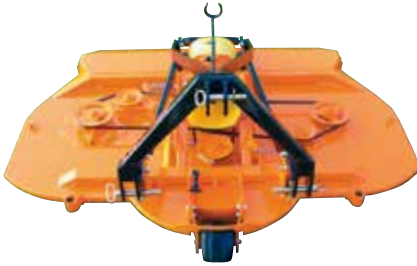


# ROTARY MOWERS

## Extra low models • series T

All "Perfect" rotary mowers comply with the highest level of current requirements in modern orchards and vineyards. In order to prevent damage to low hanging branches and fruit our T-models have a low, streamlined profile and round sides.

Either one or two front support wheels and rear rollers give the necessary stability and excellent terrain adjustment. All generously overlapping cutting blades are driven indirectly by means of V-belts, mostly with automatic springloaded belt tensioners. This flexible drive system protects the gearbox from shock loads.



Technical specifications		T-155	T-180	T-200	T-225	T-250	T-290
Cutting width	cm/inch	155 / 5'2"	180 / 5'11"	200 / 6'7"	225 / 7'5"	250 / 8'2"	290 / 9'6"
Min. power required at 540 rpm of pto	kW/hp	16 / 22	18 / 25	22 / 30	26 / 35	29 / 40	33 / 45
Number of blades		3	3	3	3	3	3
Total width	cm/inch	160 / 5'3"	185 / 6'1"	205 / 6'9"	230 / 7'7"	255 / 8'4"	295 / 9'8"
Cutting height	cm/inch	4-10 / 1½-4"	4-10 / 1½-4"	4-10 / 1½-4"	4-10 / 1½-4"	4-10 / 1½-4"	4-10 / 1½-4"
Length of rear roller(s)	cm/inch	(1) 102 / 40"	(2) 38 / 15"	(2) 48 / 19"	(2) 53 / 21"	(2) 53 / 21"	(2) 53 / 21"
Weight	kg/lbs	350 / 770	385 / 847	415 / 913	500 / 1100	525 / 1155	535 / 1177

## Twin gearbox models with side discharge • series RN

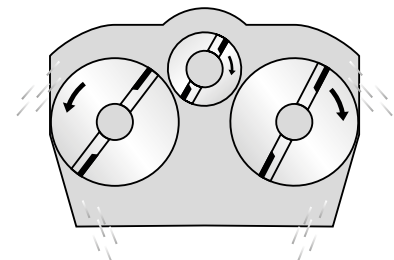


Two separate gearboxes rotating in opposite directions drive the two main blades of our RN-mowers. This improves the cutting quality, even in higher grass.

The short central blade is placed in front of the two others which creates a generous overlap, giving a perfect, integral cut without striping. Working very closely behind the tractor and being fitted with front swivels wheels and a conical ended rear roller means the mower can very easily be manoeuvred, even if room is limited, without damaging the turf.

The RN can be delivered with a manual or hydraulic offset device, which allows working closer to the trees while keeping the tractor as central as possible between the tree rows.

Technical specifications		RN-180	RN-200	RN-225	RN-250	RN-290
Cutting width	cm/inch	180 / 5'11"	200 / 6'7"	225 / 7'5"	250 / 8'2"	290 / 9'6"
Min. power required at 540 rpm of pto	kW/hp	18 / 25	22 / 30	26 / 35	29 / 40	33 / 45
Number of blades		3	3	3	3	3
Total width	cm/inch	185 / 6'1"	205 / 6'9"	230 / 7'7"	255 / 8'4"	295 / 9'8"
Cutting height	cm/inch	4-10 / 1½-4"	4-10 / 1½-4"	4-10 / 1½-4"	4-10 / 1½-4"	4-10 / 1½-4"
Length of rear roller	cm/inch	48 / 1'7"	48 / 1'7"	48 / 1'7"	76 / 2'6"	95 / 3'1"
Max. offset from centre of tractor (optional)	cm/inch	126 / 4'2"	136 / 4'6"	148 / 4'10"	161 / 5'3"	-
Weight	kg/lbs	415 / 913	460 / 1014	480 / 1056	530 / 1166	585 / 1287



The cut material is evenly distributed behind the machine over its full working width or can, if required, be spread to the left and right hand side of the machine on the tree strips.



# ROTARY MOWERS

## Compact front rotary mowers • series TKF

Our TKF rotary mowers are very short, compact and are fitted very closely to the tractor to limit its turning radius at tree- and vine row ends.

They are equipped with four short cutting blades. The two left hand blades turn to the left and the two right hand blades to the right. This provides a clean cut and an excellent distribution of the cut material to the rear, or if desired to the left- and right hand side on the tree strips.



Technical specifications		TKF-200	TKF-230
Cutting width	cm/inch	200 / 6'7"	230 / 7'7"
Min. power required at 540 rpm of pto	kW/hp	34 / 45	36 / 50
Number of blades		4	4
Total width	cm/inch	205 / 6'9"	235 / 7'9"
Cutting height	cm/inch	4-10 / 1½-4"	4-10 / 1½-4"
Length of rear roller	cm/inch	74 / 2'5"	74 / 2'5"
Weight	kg/lbs	480 / 1058	540 / 1190

The standard configuration of the front mounted TKF model includes a universal gearbox with overrunning clutch that accepts both clockwise and anti-clockwise rotations of PTO.

A unique headstock allows for fitting extremely close to the tractor front independently of tractor brand and model.



# ROTARY MOWERS

## Skid models • series LF

Our LF-type rotary mower has high long, rounded skids at both sides to allow for working speeds up to 8-10 km/h (= 6-6½ mph). The simple but very sturdy construction of this machine makes it ideal for grass strip maintenance in orchards and vineyards, as well as for maintenance of estates, airfields, parks, camping sites etc.

An optional rear roller with conical ends can be used for extra stability.

Our LF mowers (except LF-140) have a simple offset possibility as standard. A parallelogram-type offset feature (with manual or hydraulic adjustment) is available as an option.



Technical specifications		LF-140	LF-185	LF-215	LF-245	LF-275	LF-360
Cutting width	cm/inch	140 / 4'7"	185 / 6'1"	215 / 7'1"	245 / 8'1"	275 / 9'0"	360 / 11'10"
Min. power required at 540 rpm of pto	kW/hp	18 / 25	21 / 28	24 / 32	28 / 38	32 / 42	39 / 50
Number of blades		2	2	3	3	3	4
Total width	cm/inch	149 / 4'11"	194 / 6'4"	224 / 7'4"	254 / 8'4"	284 / 9'4"	374 / 12'3"
Cutting height	cm/inch	4-14 / 1½-5½"	4-14 / 1½-5½"	4-14 / 1½-5½"	4-14 / 1½-5½"	4-14 / 1½-5½"	4-14 / 1½-5½"
Length of rear roller	cm/inch	53 / 21"	53 / 21"	95 / 37"	95 / 37"	95 / 37"	162 / 64"
Max. Offset**	→ cm inch	-	140 / 4'7"	155 / 5'1"	170 / 5'7"	185 / 6'1"	230 / 7'7"
*Max. Offset parall.**	↔ cm inch	-	133 / 4'4"	148 / 4'10"	163 / 5'4"	178 / 5'10"	223 / 7'4"
Weight	kg/lbs	325 / 715	360 / 794	430 / 946	465 / 1020	520 / 1144	670 / 1474

\* Optional \*\* From centre of tractor



LF with parallelogram-type offset (optional)

## Gear drive rotary mowers • series LK



The rotary mowers series LK have been designed for use in parcels where the grass is cut less frequently.

The cutting blades of these mowers are not driven by V-belts, but directly by the gearboxes.

The flexible rubber shock absorber(s) between the gearboxes and the standard pto shaft with overrunning clutch and over-load protection clutch, protect the drive line.



Technical specifications		LK-185	LK-215	LK-245	LK-275
Cutting width	cm/inch	185 / 6'1"	215 / 7'1"	245 / 8'1"	275 / 9'0"
Min. power required at 540 rpm of pto	kW/hp	37 / 50	41 / 55	45 / 60	56 / 75
Number of blades		2	2	3	3
Total width	cm/inch	195 / 6'5"	225 / 7'5"	255 / 8'4"	285 / 9'4"
Cutting height	cm/inch	4-14 / 1½-5½"	4-14 / 1½-5½"	4-14 / 1½-5½"	4-14 / 1½-5½"
Max. offset from centre of tractor	cm/inch	141 / 4'7"	156 / 5'1"	171 / 5'7"	186 / 6'1"
Weight	kg/lbs	470 / 1034	490 / 1078	625 / 1375	700 / 1540

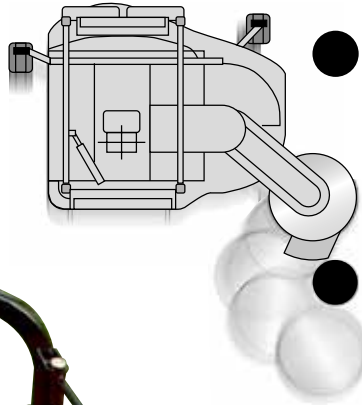
# ROTARY MOWERS

## Rotary mowers with swinging arm • series RF

The labour saving "Perfect" swing arm has been developed to make mowing between and around tree trunks easier whilst avoiding damage to the trees.

When the rubber surround of the swing arm touches the trunk, the wheel rotates and deflects the swinging arm and its cutting blade away from the tree.

As soon as the spring-loaded swinging arm has passed the tree it automatically returns to its original position.



The two front swivel wheels and rear roller give a perfect terrain adjustment.

For young trees or when operating on inclines the swinging arm can be provided with a hydraulic feeler mechanism.

A raisable swing arm is available as an option if trees are planted on ridges.



Technical specifications	RF-220	RF-270	RF-300	RF-325	RF-340	RF-365
Cutting width cm/inch	220 / 7'3"	270 / 8'10"	300 / 9'10"	325 / 10'8"	340 / 11'2"	365 / 12'0"
Min. power required at 540 rpm of pto kW/hp	19 / 26	24 / 32	27 / 37	30 / 41	33 / 45	37 / 50
Number of blades	2 + 1	3 + 1	3 + 1	3 + 1	4 + 1	4 + 1
Diameter blade of swing arm cm/inch	60 / 23½"	60 / 23½"	60 / 23½"	85 / 33½"	60 / 23½"	85 / 33½"
Cutting height cm/inch	4-14 / 1½-5½"	4-14 / 1½-5½"	4-14 / 1½-5½"	4-14 / 1½-5½"	4-14 / 1½-5½"	4-14 / 1½-5½"
Length of rear roller cm/inch	53 / 1'9"	53 / 1'9"	95 / 3'1"	95 / 3'1"	95 / 3'1"	95 / 3'1"
Maximum offset from centre of tractor cm	215*	230*	255*	280*	297*	322*
Weight kg/lbs	495 / 1089	570 / 1260	610 / 1342	675 / 1488	715 / 1573	730 / 1609

\* Without swing arm 55 cm = 1'10" less RF-325/365 80 cm = 2'8" less

Our RF swing arm models are also very successfully used as fence mowers to cut grass under board fences which are at least 25 cm (10") high, along wire or rock fences and around fence posts.

Their very large offset possibility in combination with the swing arm reasons for the RF's popularity as a mower for mowing grass in between and under solar panels.

The parallelogram headstock with manual, or if desired hydraulic adjustment allows for a very large offset of the machine.





# ROTARY MOWERS

## Trailed rotary mowers with swinging arm • series ZA



For use in orchards where trees are planted at larger distances the ZA series rotary mowers combine a large cutting width and a swinging arm with a large offset possibility by means of a moveable drawbar.

When the rubber surround of the swing arm touches the trunk, the wheel rotates and deflects the swinging arm and its cutting blade away from the tree. As soon as the spring-loaded swinging arm has passed the tree it automatically returns to its original position.

For terrains which are seriously undulating or not level with the central alley, a raisable swing arm is available as an option.

Technical specifications		ZA-300	ZA-340	ZA-380
Cutting width	cm/inch	300 / 9'10"	340 / 11'2"	380 / 12'6"
Min. power required at 540 rpm of pto	kW/hp	27 / 37	33 / 45	42 / 55
Number of blades		3 + 1	4 + 1	4 + 1
Diameter blade of swing arm	cm/inch	60 / 23½"	60 / 23½"	60 / 23½"
Maximum offset from centre of tractor*	cm/inch	275 / 9'1"	330 / 10'10"	360 / 11'10"
Cutting height	cm/inch	4-20 / 1½-8	4-20 / 1½-8	4-20 / 1½-8
Weight	kg/lbs	505 / 1113	560 / 1235	590 / 1345

\* Without swing arm: 55 cm/21" less



*Lengthways transport is standard on the models ZA-340 and ZA-380.*

## Double swing arm mowers • series MD



*Series MD: Two spring loaded swing arms automatically swing around the tree.*

The central section of these specialised mowers are flanked at either side by a 60 cm (23½") diameter swing arm to allow for integral weed control from center row to tree row in one pass.

The swing arms are spring loaded and can be set in different positions to limit the maximum cutting width. At a light touch of the tree the rubber covered swing arm wheel rotates and deflects its cutting blade away from the tree.

Hydraulic rams can be provided to retract the swing arms from the set maximum width while working or raisable swing arms are available as an option.

For young trees or when operating on inclines the swinging arm can be provided with a hydraulic feeler mechanism. A raisable swing arm is available as an option if trees are planted on ridges.

Technical specifications		MD-250	MD-280	MD-300	MD-335	MD-355	MD-400
Min. cutting width	cm/inch	160 / 5'3"	175 / 5'9"	190 / 6'3"	225 / 7'5"	245 / 8'2"	292 / 9'7"
Max. cutting width	cm/inch	250 / 8'3"	280 / 9'2"	300 / 9'10"	335 / 11'0"	355 / 11'8"	400 / 13'1"
Min. power required at 540 rpm of pto	kW/hp	28 / 38	29 / 40	33 / 45	38 / 52	40 / 54	45 / 62
Number of blades		4	5	5	5	5	5
Total width	cm/inch	170 / 5'7"	178 / 5'10"	193 / 6'4"	228 / 7'6"	248 / 8'3"	300 / 9'10"
Cutting height	cm/inch	4-9 / 1½-3½"	4-9 / 1½-3½"	4-9 / 1½-3½"	4-9 / 1½-3½"	4-9 / 1½-3½"	4-9 / 1½-3½"
Weight	kg/lbs	505 / 1111	535 / 1175	560 / 1232	565 / 1243	620 / 1365	740 / 1625

Maximum working speed ± 2½-3 km/h (1½-2 miles/hour).

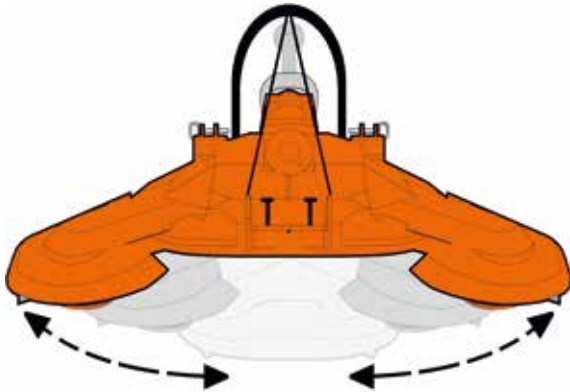
A raisable swing arm is available as an option if trees are planted on ridges.

Maximum working speed ± 2½-3 km/h (1½-2 miles/hour).

# ROTARY MOWERS

## Variable width mowers • series DR and MV

Our “Perfect” DR variable width mowers series consist of a rigid central section with an adjustable wing mounted on either side. The wings are operated by hydraulic rams which move smoothly and independently open and closed, to allow for an easy and exact adjustment of the cutting width in orchards and vineyards with different row spacings.



Series DR: Adjustable working width by means of 2 hydraulic cylinders

Technical specifications		DR-250	MV-280	DR-280	MV-320	DR-320	DR-365	DR-405	DR-440	DR-480	DR-570
Min. cutting width	cm/inch	150 / 4'11"	190 / 6'3"	175 / 5'9"	195 / 6'5"	190 / 6'3"	225 / 7'5"	245 / 8'2"	290 / 9'6"	290 / 9'6"	290 / 9'6"
Max. cutting width	cm/inch	250 / 8'3"	280 / 9'2"	280 / 9'2"	320 / 10'6"	320 / 10'6"	365 / 12'0"	405 / 13'4"	440 / 14'6"	480 / 15'9"	570 / 15'8"
Min. power required at 540 rpm of pto	kW/hp	28 / 38	29 / 40	29 / 40	36 / 50	36 / 50	40 / 55	40 / 55	48 / 65	50 / 68	60 / 82
Number of blades		4	4	5	4	5	5	5	5	5	7
Total width	cm/inch	161 / 5'3"	193 / 6'4"	178 / 5'10"	205 / 6'9"	193 / 6'4"	228 / 7'6"	248 / 8'3"	300 / 9'10"	300 / 9'10"	300 / 9'10"
Cutting height	cm/inch	4-9 / 1½-3½"	4-9 / 1½-3½"	4-9 / 1½-3½"	4-9 / 1½-3½"	4-9 / 1½-3½"	4-9 / 1½-3½"	4-9 / 1½-3½"	6½-10 / 1¾-10-4"	6½-10 / 1¾-10-4"	6½-10 / 1¾-10-4"
Weight	kg/lbs	540 / 1188	580 / 1275	600 / 1323	625 / 1157	615 / 1375	660 / 1455	710 / 1565	740 / 1628	825 / 1815	1100 / 2420

Two gearboxes rotating in opposite directions assure an excellent discharge and distribution of the cut material either behind the machine or to the left and right hand side on the tree strips.

The central section has two front swivel wheels and a rear roller, the wing sections have support saucers fitted with bearings.

The larger models DR-440, DR-480 and DR-570 are fitted with full rubber instead of steel wheels. Model DR-570 is also equipped with support wheels on the wings.

There is a small amount of float on the wings to allow for undulating ground. For terrains which are seriously undulating or not level with the central alley, raisable wings are available as an option.



DR-570



DR with parallelogram-type offset (optional).  
Not possible on DR-570



# ROTARY MOWERS

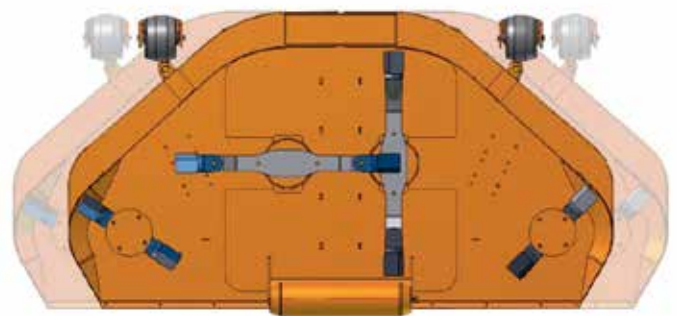
## Linear adjustable rotary mowers • series VT



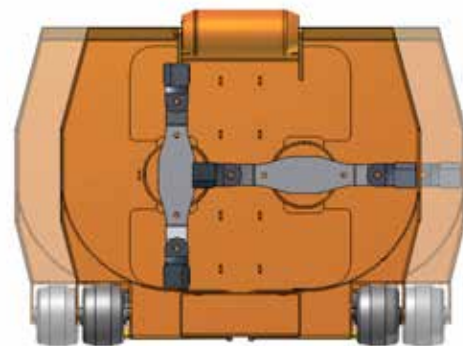
Especially designed for orchards and vineyards with different row spacings, our VT series rotary mowers have two main blades the overlap of which can be steplessly adjusted to vary the working width.

The linear width adjustment system in combination with the direct gearbox drive allows for a compact and extra sturdy design.

The model VT-280 is equipped with an extra V-belt driven blade at each side of the main blade. These sides are low and streamlined.



VT-280



VT-145/180/225/260

Technical specifications		VT-145	VT-180	VT-225	VT-260	VT-280
Cutting width	cm/ft	115-145 / 3'9"-4'9"	133-180 / 4'4"-5'11"	165-225 / 5'5"-8'3"	190-260 / 6'3"-8'6"	234-280 / 7'8"-9'2"
Min. power required at 540 rpm of pto	kW/hp	18 / 25	25 / 35	25 / 35	45 / 60	56 / 75
Number of blades		2	2	2	2	4
Total width	cm/ft	115-145 / 3'10"-4'10"	136-183 / 4'6"-5'11"	168-228 / 5'4"-7'5"	193-263 / 6'4"-8'7"	236-283 / 7'9"-9'3"
Cutting height	cm/inch	1½-3½"	1½-3½"	1½-3½"	1½-3½"	1½-3½"
Weight	kg/lbs	450 / 990	460 / 1010	615 / 1355	700 / 1540	850 / 1870

To ensure long life and minimum maintenance the sliding frame sections are provided with interchangeable wearing plates.

A pto shaft with overrunning clutch and overload protection clutch is standard to protect the driveline.





# PERFECT SWING-AWAY BLADES

## Swing-Away blades

The generously overlapping cutting blades are made from special alloy spring steel and have double cutting edges for 100% longer life.

*Standard on all models except TKF/TKR and DR/MD-250.*

## ROTARY MOWERS

### Options • Options • Options • Options • Options

#### Mow-spray combination

Mowing and spraying at the same time saves time, fuel and labour costs. The unique "Perfect" mow-spray frame has been designed so that both the front and the rear of the mower is able to move independently vertically from the headstock. This system transmits the full bearing pressure of the sprayer to the tractor 3-point linkage, therefore not charging the mower in any way. The mow-spray combination feature is also available with a disconnectable gearbox to take the drive away from the mower blades, if wanted.

*Option on models T, RN and DR.*

#### Front mount mowers

A front mount mower has the advantage of the grass being cut before the tractor wheels have run over it and it also provides a better view of the work. The cantilever design headstock enables the front linkage mounted version of the "Perfect" mowers to be pulled rather than pushed. This protects the machine and provides a full flotation effect.

*Option on models T, RN, LF and DR. Standard on model TKF.*

#### Front and rear

A double headstock is available for front and rear mount: ideal for use on multiple tractor types. Tractor pto 540 rpm or 1000 rpm as desired.

#### Tandem roller

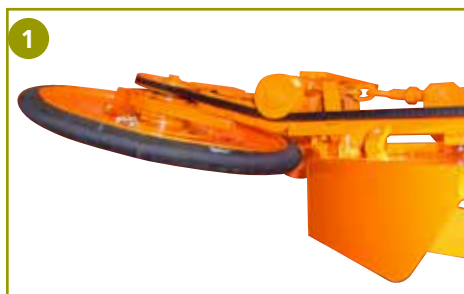
The tandem rear roller increases the bearing surface and spreads the ground pressure more evenly which gives the machine a smooth run. Especially under humid working conditions and when using a mow-spray combination the tandem roller protects the ground structure.

*Option on series T, RN, LF and DR.*

#### Raisable wings/swing arm(s) (1)

For working on ground that is seriously undulating or not level with the central alley, raisable wings and swing arms are available as an option. The angle (max. 15°) can be set stepless by means of a spindle. An extra pulley assures a correct tensioning of the V-belt, independently of the set angle.

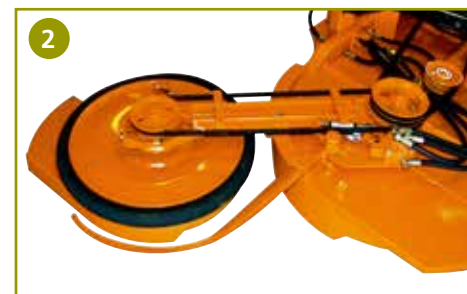
*(1) Optional extra on series RF, ZA, MD and DR.*



#### Mechanic-hydraulic feeler (2)

For working with young trees or when operating on inclines we can provide a hydraulic feeler on the swing arm(s).

*(2) Optional extra on series RF, ZA and MD.*



Front and rear mount





# FLAIL CHOPPERS

## Flail choppers • series BG2 and BK2

Because of their low and compact but heavy construction our Flail Choppers Series BG2 and BK2 are very popular for chopping orchard- and vineyard prunings up to **8 cm (3 1/8")** diameter.

They are fitted with a parallelogram-type offset feature as standard. Their profile is very low: the height of the V-belt cover is **only 51 cm (20")**. The flail rotor bearings are mounted inside the frame, which means that the ratio of cutting width to overall width is maximised.



BG2-180

### Technical specifications

BG2 - standard BK2 - with rake tines		BG2-105 BK2-105	BG2-120 BK2-120	BG2-135 BK2-135	BG2-150 BK2-150	BG2-180 BK2-180	BG2-210 BK2-210
Cutting width	cm/inch	105 / 3'5"	120 / 3'11"	135 / 4'5"	150 / 4'11"	180 / 5'11"	210 / 6'11"
PTO speed	rpm	540	540	540	540	540	540
Flail rotor speed	rpm	2100	2100	2100	2100	2100	2100
Min. power* required at 540 rpm							
• grass cutting etc.	kW/Hp	18 / 25	18 / 25	22 / 27	22 / 30	26 / 35	28 / 38
• brush chopping etc.	kW/Hp	22 / 30	26 / 35	27 / 37	30 / 40	33 / 45	38 / 52
Flails 2,2 kg = 5 lbs (0,8 kg = 1 3/4 lbs)		6 (12)	8 (12)	8 (16)	9 (16)	12 (20)	12 (20)
Total width	cm/inch	128 / 4'2"	143 / 4'8"	158 / 5'2"	173 / 5'8"	203 / 6'8"	233 / 7'8"
Height belt cover	cm/inch	51 1/2 / 20"	51 1/2 / 20"	51 1/2 / 20"	51 1/2 / 20"	51 1/2 / 20"	51 1/2 / 20"
Tractor 3 pt. linkage	cat.	I + II	I + II	I + II	I + II	I + II	I + II
Maximum offset from centre of tractor	cm/inch	62 / 2'2"	80 / 2'7"	95 / 3'1"	110 / 3'7"	140 / 4'7"	170 / 5'7"
Weight BG2	kg/lbs	480 / 1058	510 / 1124	525 / 1157	550 / 1212	640 / 1411	725 / 1595
Weight BK2	kg/lbs	500 / 1100	535 / 1177	550 / 1210	590 / 1298	665 / 1463	800 / 1760
Number of rake tines BK2		8	9	9	11	13	15

\* Power requirements depend entirely on the type of work

For a better pick-up and pulverization of thin prunings or prunings that are laying flat, our flail choppers **Series BK2** are delivered as standard with rake tines which are adjustable in height.



BK2

## Options • Options • Options • Options • Options • Options • Options

### Front mounted flail choppers

A front mounted flail chopper can more easily deal with larger quantities of prunings because the tractor has not run over the prunings before chopping them. Either the unique cantilever design of the headstock enables the front mounted version of the "Perfect" flail chopper to be pulled rather than pushed. This protects the machine and provides a full floatation effect. By reversing the headstock our front mount models can also be used as rear mounted machines. Available for either 540 rpm or 1000 rpm of pto.

Option on models: BG2 / BK2 and KG / KK



BK2-150 Front mount



# FLAIL CHOPPERS

## Heavy-Duty flail choppers • series KG and KK

The "Perfect" flail chopper line also includes four larger capacity machines in cutting widths from 150 cm (4'11") to 245 cm (8'1"), which are designed to deal with heavier working conditions, not only for chopping prunings up to 10 cm (4") diameter but also for other vegetation residues such as corn stalks etc.

Because of the bigger size reinforced flail rotor and gearbox the V-belt cover on these machines is some-what higher, measuring 72 cm (28") on the KG/KK-150/180/220 and 77 cm (30") on the KG/KK-245HD.

Our heavy-duty flail choppers **series KK** are delivered with an adjustable rear opening cover and with optional rake tines.



The KG/KK-245HD chopper has a heavier frame, a heavy-duty pto shaft and gearbox as well as a flail rotor and rear roller of increased diameter.

Technical specifications				
KG - standard	KG-150	KG-180	KG-220	KG-245HD
KK - with rear rake tines possibility	KK-150	KK-180	KK-220	KK-245HD
Cutting width	150 / 4'11"	180 / 5'11"	220 / 7'3"	245 / 8'1"
PTO speed	540	540	540	540
Flail rotor speed	2100	2100	2100	2100
Min. power* required at 540 rpm				
• grass cutting etc.	24 / 33	26 / 35	30 / 40	44 / 60
• brush chopping etc.	30 / 42	33 / 45	44 / 60	58 / 80
Flails 2,2 kg = 5 lbs (0,8 kg = 1¾ lbs)	9 (16)	12 (18)	12 (22)	16
Total width	171 / 5'7"	206 / 6'9"	246 / 8'1"	275 / 9'0"
Height belt cover	72 / 28"	72 / 28"	72 / 28"	77 / 30"
Tractor 3 pt. linkage	I + II	I + II	I + II	I + II
Maximum offset from centre of tractor	112 / 3'8"	142 / 4'8"	182 / 6'0"	181 / 5'11"
Weight KG/KK	750/770 1575/1615	780/815 1543/1793	795/865 1685/1860	990/1035 2178/2277
Number of rake tines (optional on KK)	11	13	14	16

\* Power requirements depend entirely on the type of work

## Options • Options • Options • Options • Options • Options • Options

### Wearing plate (A)

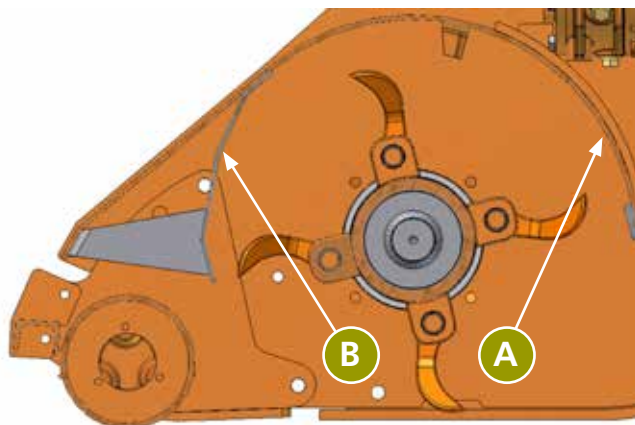
For extreme conditions an extra wearing plate (A) is available which is welded to the inside of the frame.

Option on models: BG2 / BK2, BGM / BKM and KG / KK

### Improved leaf chopping (B)

To counter the increasing scab problems an optional plate is available which can be bolted to the inside of the flail chopper (B) when chopping leaves. As a result of this the material is even further minimized before it leaves the machine.

Option on models: BG2 / BK2, BGM / BKM and KG / KK





# FLAIL CHOPPERS

## Front and rear mounted flail choppers • series BGM and BKM



Front mount

The heavily constructed flail chopper series BGM and BKM have especially been designed for use by customers disposing of different tractors to drive.

The special headstock allows for use as front and as rear mounted models without any transformation.

The standard configuration also includes a hydraulic offset feature and a universal gearbox with integrated overrunning clutch that accepts any direction of rotation.

The BKM models are equipped with rake tines.



Rear mount



Technical specifications				
BGM - standard		BGM-150	BGM-180	BGM-210
BKM - with rake tines		BKM-150	BKM-180	BKM-210
Cutting width	cm/inch	150 / 4'11"	180 / 5'11"	210 / 6'11"
Min. power* required at 540 rpm	kW/hp	30 / 40	33 / 45	38 / 52
Maximum offset from centre of tractor	cm/inch	99 / 3'3"	129 / 4'3"	159 / 5'3"
Flails 2,2 kg = 5 lbs (0,8 kg = 1¾ lbs)		9 (16)	12 (20)	12 (20)
Overall width	cm/inch	173 / 5'8"	203 / 6'8"	233 / 7'8"
Weight BGM	kg/lbs	700 / 1540	740 / 1630	810 / 1786
Weight BKM	kg/lbs	735 / 1620	780 / 1720	855 / 1885
Number of rake tines BKM		11	13	15

\* Power requirements depend entirely on the type of work



# FLAIL CHOPPERS

## Variable width flail chopper • Model NX-460



Flail mowers for grass and prunings up to 8 cm (3 1/8") diameter.

To achieve an excellent ground contour adaptation the flail choppers are attached to the frame by means of a flexible construction and equipped with a full width rear roller.



Technical specifications		NX-460
Working width min.	cm/inch	290 / 9'6"
Working width max.	cm/inch	460 / 15'1"
Flail rotor speed	rpm	2100
Power requirement (at 540 rpm), min.	kW/hp	81 / 105
Flails 2,2 kg = 5 lbs (0,8 kg = 1 3/4 lbs)		32 (48)
Cutting height	cm/inch	4-10 / 1 1/2-4"
Tractor hydraulics required		3 x double acting valve
Wheels	size	ø 515 mm B = 250 mm
Weight	kg/lbs	2100 / 4620

## Options • Options • Options • Options • Options • Options • Options



Flail 2,2 kg = 5 lbs



Flail 0,8 kg = 1 3/4 lbs



Combi-Flail 2,7 kg = 6 lbs

### Flails

The 2,2 kg (5 lbs) heavy-duty "Perfect" flails are especially designed for pulverizing prunings. They are fitted to the electronically balanced vibration-free flail rotor with heavy bolts and replaceable steel bushings and provide an excellent pulverization. No further work is necessary to collect or remove the cut material.

Optional flails of 0,8 kg (1 3/4 lbs) are available for grass cutting and light chopping work (vineyard prunings, leaves etc.).

Upon request all Perfect flail choppers can also be equipped with our Combi-Flails. These extra heavy flails (2,7 kg / 6 lbs) come with a replaceable chopper blade out of special steel. This results in a high impact in combination with a continuously sharp cutting edge. Combi-flails are especially suited for chopping prunings, but also very suited for a continuous clean and neat cut in grass. Further they are the best choice when it comes to chopping leaves, green manures or other vegetation residues.



# SOLO-SWING SWING ARM MOWERS

## Solo Swing attachment • model SZA



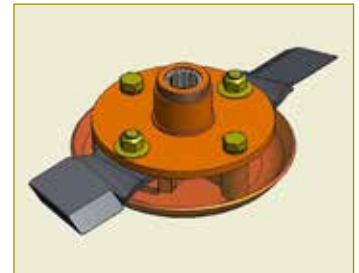
SZA-850

Technical specifications		SZA-500	SZA-600	SZA-850
Cutting width	cm/ft	50 / 1'8"	60 / 2'0"	85 / 2'9½"
Oil flow requirements	l/min.	30	30	30
Oil pressure requirements (average, depending on kind of work)	bar/psi	±65 / 940	±80 / 1160	±125 / 1810
Displacement of motor	cc/cu.in	16 / 1	16 / 1	17,9 / 1,1
Cutting angle	°	0-15	0-15	0-15
Discharge angle	°	0-15	0-15	0-15
Tractor hydraulics required		1 x double acting valve, 1 x free flow return	1 x double acting valve, 1 x free flow return	1 x double acting valve, 1 x free flow return
Weight	kg/lbs	85 / 187	95 / 210	110 / 242

The Solo-Swing is a swinging arm, driven by a hydraulic motor. It's simple but robust construction allows to automatically mow around trees, fences, posts etc.

The SZA is an attachment model which can be supplied with mounting brackets to be fitted to a rotary mower or a flail mower.

Swing-away blades which give additional protection in rough or stony conditions are standard on all Solo-Swing models.



SZA-600  
with headstock for loader



SZA-600

## Front mount model • Series SZF/L



SZL-600

Technical specifications		SZF-600	SZL-600
Cutting width	cm/ft	60 / 2'0"	60 / 2'0"
Oil flow requirements	l/min.	30	30
Oil pressure requirements (average, depending on kind of work)	bar/psi	±80 / 1160	±80 / 1160
Displacement of motor	cc/cu.in	16 / 1	16 / 1
Cutting angle	°	0-15	0-15
Discharge angle	°	0-15	0-15
Tractor hydraulics required		2 x double acting valves, 1 x free flow return	2 x double acting valves, 1 x free flow return
Max. offset from tractor centreline	cm/ft	165 / 5'5"	210 / 6'11"
Weight	kg/lbs	175 / 385	200 / 440



SZL-600

The standard configuration of the SZF/SZL models is a tractor front mount version with hydraulic offset and two support wheels. Cutting width 60 cm / 2'0". The Solo-Swing comes automatically in transport position as soon as the swing arm is being retracted completely. A 3-point front linkage is not necessary for use of the SZF/SZL models.

**SZF-600:** for narrow tractors, offset max. 165 cm / 5'5"

**SZL-600:** for traditional tractors, offset max. 210 cm / 6'11"



# SOLO-SWING SWING ARM MOWERS

## Frontmodel • model SZX-850



Technical specifications		SZX-850
Cutting width	cm/ft	85 / 2'9½"
Oil flow requirements	l/min.	30
Oil pressure requirements (average, depending on kind of work)	bar/psi	±120 / 1810
Displacement of motor	cc/cu.in	17,9 / 1,1
Cutting angle	°	0-15
Discharge angle	°	0-15
Tractor hydraulics required		2 x double acting valves, 1 x free flow return
Max. offset from tractor centreline	cm/ft	245 / 8'0"
Weight	kg/lbs	275 / 605

The **SZX-850** model has a 85 cm swing arm and is especially designed for attachment to the tractor 3-point linkage. The standard configuration includes a hydraulic offset feature, two support wheels and a headstock for front linkage.

## 3-pt. Model • model SZS-600

Model for tractor 3-pt. model.

Model SZS-600 comes in standard with a hydraulic linear offset system and a headstock for mounting in the tractor 3-pt. For best ground contour adaptation we mount a set of tandem wheels.

Technical specifications		SZS-600
Cutting width	cm/ft	60 / 2'0"
Oil flow requirements	l/min.	30
Oil pressure requirements (average, depending on kind of work)	bar/psi	±80 / 1160
Displacement of motor	cc/cu.in	16 / 1
Cutting angle	°	0-15
Discharge angle	°	0-15
Tractor hydraulics required		2 x double acting valves, 1 x free flow return
Max. offset from tractor centreline	cm/ft	210 / 6'11"
Weight	kg/lbs	175 / 385



SZS-600



## Mechanic-hydraulic feeler

For young trees, lighter posts, or when operating on inclines all "Perfect" Solo-Swing models can be provided with a hydraulic feeler mechanism.



# BRUSH SWEEPERS

## Brush sweeper • Attachment (SPA) front mount (SPF)

"Perfect" brush sweepers are designed to remove the prunings and leaf residues which are in the tree or vine rows and to clean the herbicided strips in order to discourage the development of fungus and to implement optimal chemical weed control.



They are driven by a hydraulic motor and are equipped with elastic and highly resistant sweeper brushes which spin at approximately 150 rpm.

The sweeper head position is adjustable both in working angle and in working height, which assures a high quality working result in all conditions. For perfect terrain adjustment the sweeper head is supported by a swivel wheel.

In transport position the brush sweeper can be lifted manually or by means of a hydraulic ram.

Technical specifications		SPA	SPF
Sweeper width	cm/inch	100 / 3'3"	100 / 3'3"
Oil flow	l/min.	30	30
Oil pressure	bar/psi	±70 / 1015	±70 / 1015
Necessary hydraulic couplings on the tractor		1 x double acting or 1 x single acting and 1 x free flow return	1 x double acting or 1 x single acting and 1 x free flow return



## Double brush sweeper • SPDF



All brush sweepers can also be equipped with special vineyard brushes (ø 58 cm/1'1") or rubber flaps.



Technical specifications		SPDF
Sweeper width	cm/inch	2 x 100 / 3'3"
Oil flow	l/min.	30
Oil pressure	bar/psi	±70 / 1015
Necessary hydraulic couplings on the tractor		4 x double acting or 3x double acting, 1 x single acting and 1 x free flow return

A double brush sweeper clears the two free rows in one pass from leaves, prunings etc. The working width is adjustable up to 400 cm (13'1").

The double front mounted brush sweeper (SPDF) is equipped with a carriage beam for mounting to the front of the tractor and the standard configuration the machine is equipped with hydraulic rams to adjust the working width and to lift the sweepers.

Optionally it can be equipped with a headstock for both front as well as rear tractor mount.

# VAN WAMEL B.V.



[www.vanwamel.nl](http://www.vanwamel.nl)

Energieweg 1 - P.O. Box 4  
6658 ZG Beneden-Leeuwen  
HOLLAND  
Tel. +31 (0)487 592944  
Fax +31 (0)487 592970  
E-mail [perfect@vanwamel.nl](mailto:perfect@vanwamel.nl)

Thomas Bros. Equipment Sales, Inc.  
41764 Red Arrow Hwy.  
Paw Paw, MI 49079  
269-657-3735 Fax: 269-657-2110  
Toll Free 866-214-6135  
[tbrofab@gmail.com](mailto:tbrofab@gmail.com)  
[www.thomasbrosequipmentsales.com](http://www.thomasbrosequipmentsales.com)