



## ORCHARD VINEYARD

Rotary mowers  
and  
prunings choppers





# PERFECT orchard and vineyard equipment

PERFECT rotary mowers and pulverisers have been designed and built since 1947 by Van Wamel BV in the Netherlands. Development and manufacturing are entirely carried out in-house, using the best materials and component and the skills and know-how of our engineers and technicians. All of this contributes to the high and consistent quality that PERFECT machines are known for. Van Wamel disposes of a worldwide network of PERFECT dealers and importers. Our partners are an indispensable link in the sales and service on PERFECT machines.

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## ICONS



3-point rear std,  
front mount option



Front mount



V-belt drive



Front and 3-point  
rear std



Indication of required  
tractor power



Gear drive



3-point rear



PTO drive speed (rpm)



Side discharge possibility

## ROTARY MOWERS

# PERFECT rotary mowers

PERFECT offers the ideal rotary mower for every fruit or grape grower; our programme consists only of high quality machines, which have been designed to protect your crops in the best possible way. With a PERFECT mower you are sure of an extremely reliable mower which always does a good job, during many years.





## VINIMO



- > Very manoeuvrable thanks to short and compact setup.
- > Two rotors with overlapping blades.
- > Robust driveline, to the right.
- > Side discharge possibility, tot the right.

### OPTIONS:

- > Front mount version 540/1000 rpm.

SPECIFICATIONS	VINIMO-105	VINIMO-125
Working width (m)	1,05	1,25
Number of rotors	2	2
Total width (m)	1,13	1,33
Weight (kg)	185	220



## T



- > Three rotors, generous overlap.
- > Automatic v-belt tensioning.
- > Very compact and manoeuvrable.
- > Front wheel(s) and rear roller for excellent ground contour following.

### OPTIONS:

- > Headstock for mowing and spraying in one pass.
- > Front mount version (trailed) or front/rear headstock.



SPECIFICATIONS	T-155	T-180	T-200	T-225	T-250	T-290
Working width (m)	1,55	1,80	2,00	2,25	2,50	2,90
Number of rotors	3	3	3	3	3	3
Total width (m)	1,60	1,85	2,05	2,30	2,55	2,95
Weight (kg)	350	385	415	500	525	535



## RN



- Double gearbox driveline; counter-rotating blades, high capacity.
- Automatic v-belt tensioners.
- Side discharge possibility (left + right).

### OPTIONS:

- Hydraulic offset (parallelogram).
- Headstock for mowing and spraying in one pass.
- Front mount version (trailed) or front/rear headstock.
- Tandem rear roller and/or rubber front swivel wheels for optimal ground contour following in more uneven terrain.

### SPECIFICATIONS

	RN-180	RN-200	RN-225	RN-250	RN-290
Working width (m)	1,80	2,00	2,25	2,50	2,90
Number of rotors	3	3	3	3	3
Max. offset (option) from tractor centre (m)	1,26	1,36	1,48	1,61	1,81
Total width (m)	1,85	2,05	2,30	2,55	2,95
Weight (kg)	415	460	480	530	585



## TKF



- Flexible front-mount headstock; super short mount to any type of tractor.
- PTO speed 540, 750 or 1000 rpm, overrunning clutch integrated in gearbox, also for reversed-seat tractors.
- Counter-rotating blades, high capacity.
- Side discharge possibility (left + right).

### OPTIONS:

- Rubber front swivel wheels.



### SPECIFICATIONS

	TKF-200	TKF-230	TKF-260
Working width (m)	2,00	2,30	2,60
Number of rotors	4	4	4
Total width (m)	2,05	2,35	2,65
Weight (kg)	480	560	640



## LF



- Very robust construction.
- Profiled skids, driving speeds up to 10 km/h / 6,5 mph.
- Standard offset for a large mowing range.

### OPTIONS:

- Hydraulic offset (parallelogram).
- Front mount version, trailed suspension.
- Rear roller, anti-scalp saucers for uneven terrain.
- Wheel set, various wheel types available.

### SPECIFICATIONS

	LF-140	LF-185	LF-215	LF-245	LF-275	LF-360
Working width (m)	1,40	1,85	2,15	2,45	2,75	3,60
Number of rotors	2	3	3	3	3	4
Max. offset std	0,70	1,40	1,55	1,70	1,85	2,30
(hydr. Offset) (m)	(1,00)	(1,30)	(1,48)	(1,63)	(1,78)	(2,23)
Total width (m)	1,49	1,94	2,24	2,54	2,84	3,69
Weight (kg)	325	360	430	465	520	670



## LK



- Heavy duty driveline through gearboxes.
- Mows also very high, dense and/or tough vegetation.
- Driveline protected by rubber shock absorbers between the gearboxes and friction clutch on the PTO shaft.

### OPTIONS:

- Rear roller.
- Hydraulic offset.
- Wheel set (various wheel types available).

### SPECIFICATIONS

	LK-185	LK-215	LK-245	LK-275
Working width (m)	1,85	2,15	2,45	2,75
Number of rotors	2	2	3	3
Max. offset std	1,41	1,56	1,71	1,86
(hydr. Offset) (m)	1,40	1,55	1,70	1,83
Total width (m)	1,95	2,25	2,55	2,85
Weight (kg)	470	490	625	700





ROTARY MOWERS

# Variable working width

In order to mow large and/or various row spacings PERFECT offers various solutions, ranging up to a 5,70 m working width. The proven adjustment mechanisms require low maintenance and have a very long lifespan.

**Special features:**

- Working width left and right individually adjustable. Counter-rotating blades; side discharge possibility to the left and right (mulching).





## DR/MV



- Central frame with 2 (MV) or 3 (DR) rotors.
- Double gearbox drive; counter-rotating blades, high capacity, anti-scalp plates under the wing rotors.
- DR-570 with two support wheels on each wing.

### OPTIONS:

- Headstock for mowing and spraying in one pass\*.
- Front mount headstock (trailed suspension) or front/rear headstock\*.
- Adjustable wing angle (max. 15 degrees)\*.
- Rubber wheels on the central frame, standard on DR-440/480/570.  
\*not on DR-570

SPECIFICATIONS	DR-250	DR-280	MV-280	DR-320
Working width (m)	1,50-2,50	1,75-2,80	1,90-2,80	1,90-3,20
Number of rotors	2+2	3+2	2+2	3+2
Total width (m)	1,61	1,78	1,93	1,93
Weight (kg)	540	600	580	615

	MV-320	DR-365	DR-405
Working width (m)	1,95-3,20	2,25-3,65	2,45-4,05
Number of rotors	2+2	3+2	3+2
Total width (m)	2,05	2,28	2,48
Weight (kg)	625	660	710

	DR-440	DR-480	DR-570
Working width (m)	2,90-4,40	2,90-4,80	2,90-5,70
Number of rotors	3+2	3+2	3+4
Total width (m)	3,00	3,00	3,00
Weight (kg)	740	825	1100

## VT



- Very high capacity, high working speed, also in tall grass.
- Direct gearbox drive, high rotor torque.
- PTO shaft with friction and overrunning clutch.

### OPTIONS:

- Hydraulic offset (displacing the entire mower).
- Tandem roller and/or rubber front swivel wheels.
- DC valve for simultaneous width adjustment left and right.

SPECIFICATIONS	VT-145	VT-180	VT-225	VT-260
Working width (m)	1,15-1,45	1,33-1,80	1,65-2,25	1,90-2,60
Number of rotors	2	2	2	2
Total width (m)	1,18-1,48	1,36-1,83	1,68-2,28	1,93-2,63
Weight (kg)	450	460	640	700





## ROTARY MOWERS

# Options

### BLADES:

- PERFECT mowers are fitted with swing-away blades which give excellent protection against stones etc.



*Fixed blades on Vinimo, TKF, MV, MD/DR-250, FV2-160/195/220.*

### MOW-SPRAY HEADSTOCK:

- Mowing and spraying in one pass; the sprayer weight is entirely transferred to the tractor lift arms. The mower is independently suspended below the headstock. Also available with disconnectable gearboxes in order to stop the blades from turning whilst filling up the sprayer.



*Available on T, RN, DR/MV.*

### FRONT MOUNT (TRAILED) / FRONT + REAR HEADSTOCK:

- Excellent ground contour following thanks to the 'trailed' suspension.

*Available on T, RN, DR/MV, LF, FV2.*



### HYDRAULIC OFFSET (PARALLELOGRAM):

- Stepless adjustable offset; maximal offset 30 cm to the left and right.

*Available on RN, LF, DR/MV, MD.*



### WHEEL SETS:

- Various pneumatic or foam-filled tires available.

*Available on any model.*



### TANDEM ROLLER:

- The (pendulum mount) rear rollers give an excellent ground contour following in uneven terrain, enabling smoother work at higher working speeds.

*Available on RN, DR, VT, MD.*





## ROTARY MOWERS WITH IN-ROW MOWING DISK

# In-row mowers

In-row mowing is a proven way of mechanical weed control in the tree/vine row. With various models and many working widths available, PERFECT offers the right solution for every orchard and vineyard. PERFECT mowers with in-row mowing disks are known for their very long lifespan and excellent reliability; this is due to the entire in-house design and manufacturing of the swinging mechanism parts.

The resistance of the swinging mechanism can be easily adjusted by changing the the position of the spring. The mowing disk itself can turn when it touches the tree, this ensures that the tree or vine does not suffer any damage.

### Options:

- Hydraulic feeler bar to mow around young trees/vines or in order to work on sloping terrain >5%.
- Hydraulic adjustment of the swing arm; this system enables to limit the maximum reach of the mowing disk, the swinging effect remains unchanged.
- Raisable mowing disk, in order to work in orchards/vineyards where the trees or vines are planted on a ridge. The disk can be placed under an angle (max. 15 degrees) and is fixed with a spindle mechanism.





## RF



- > Large offset.
- > Super-low mower frame in order to mow under low branches.
- > Heavy v-belt drive with automatic belt tensioners.
- > Adjustable front swivel wheels and rear roller for an excellent ground contour following.

### OPTIONS:

- > Hydraulic feeler bar for young trees or sloping terrain.
- > Hydraulic swing arm adjustment.
- > Raisable mowing disk (max. 15 degrees).
- > Rubber front swivel wheels.

SPECIFICATIONS	RF-220	RF-270	RF-300	RF-325	RF-340	RF-365
Working width (m)	2,20	2,70	3,00	3,25	3,40	3,65
Number of rotors	2+1	3+1	3+1	3+1	4+1	4+1
Mowing disk diameter (m)	60	60	60	85	60	85
Max. offset from tractor centre (m)	2,15	2,30	2,55	2,80	2,97	3,22
Weight (kg)	495	600	610	675	715	730



## MD



- > Double gearbox drive; counter-rotating blades, high capacity.
- > Heavy v-belt drive with automatic belt tensioners.
- > Adjustable front swivel wheels and rear roller for excellent ground contour following.
- > Side discharge possibility (left + right).
- > Diameter of the mowing disks 60 cm / 2ft (MD-440; 85 cm / 2'8").

### OPTIONS:

- > Hydraulic feeler bars for young trees / sloping terrain.
- > Hydraulic swing arm adjustment.
- > Raisable mowing disks (max. 15 degrees).
- > Tandem roller and/or rubber front swivel wheels.

SPECIFICATIONS	MD-250	MD-280	MD-300	MD-335	MD-355	MD-400	MD-440
Min. working width (m)	1,60	1,75	1,90	2,25	2,45	2,90	2,90
Max. working width (m)	2,50	2,80	3,00	3,35	3,55	4,00	4,40
Number of rotors	2+2	3+2	3+2	3+2	3+2	3+2	3+2
Total width (m)	1,70	1,78	1,93	2,28	2,48	3,00	3,00
Weight (kg)	505	535	560	565	620	740	765



## FV2



- For vineyards, berry cultures etc.
- Entirely mechanical driveline, extremely reliable.
- Double gearbox drive; counter-rotating blades, high capacity.
- Side discharge possibility (left and right).

### OPTIONS:

- Hydraulic swing arm adjustment.
- Raisable mowing disks (max. 15 degrees).
- Hydraulic feeler bars for young vines and/or sloping terrain (on FV2-250-...-FV2-365).

SPECIFICATIONS	FV2-160	FV2-195	FV2-220	FV2-250
Min.-max. working width (m)	1,20-1,60	1,25-1,95	1,47-2,20	1,75-2,50
Number of rotors	2+2	2+2	2+2	3+2
Total width (m)	1,23	1,50	1,93	2,48
Weight (kg)	300	430	460	515

	FV2-265	FV2-300	FV2-20	FV2-365
Min.-max. working width (m)	1,90-2,65	2,25-3,00	2,45-3,20	2,94-3,65
Number of rotors	3+2	3+2	3+2	3+2
Total width (m)	1,93	2,28	2,48	3,00
Weight (kg)	520	555	615	660



## SOLO-SWING MOWING DISKS

# PERFECT Solo-Swing

The hydraulic drive of our Solo-Swing mowing disks offers a broad range of mounting possibilities.



### Specific characteristics:

- Robust, compact construction.
- Height of disk/motor 23/32 cm (mowing height set at 6 cm).
- Heavy swing-away mowing blades.
- Raisable swing arm (working angle max. 15 degrees).
- Protection disk with integrated bearing under the rotor.

### Options:

- Hydraulic feeler bar; for use with young trees and/or on slopes >5 degrees.





SZA-600

## SZA

- To mount on a rotary/flail mower, wheel loader or any other carrier.
- Available with cutting disk of 42, 50, 60 and 85 cm.
- Required oil flow 30 l/min.



### OPTIONS:

- Hydraulic feeler bar for use in young trees or sloping terrain.



SZL-600

## SZF/SZL/SZX

- Hydraulic offset (parallelogram).
- Pendulum-mount support wheels for an excellent ground contour following.
- SZF/SZL with a 60 cm cutting disk, also for use without front linkage.
- Required oil flow 30 l/min.
- SZX with 85 cm cutting disk, for use in front linkage.

*SZF-600: for narrow tractors, max. offset 1,65 m.*

*SZL-600: for standard tractor, max. offset 2,10 m.*

*SZX-850: large disk (85 cm) with heavy headstock (Cat. 2), max. offset 2,45 m.*

### OPTIONS:

- 3-point headstock for front linkage (SZF/SZL).
- Rear version (SZX).
- Hydraulic feeler bar for use in young trees or sloping terrain.



SZX-850



SZS-600

## SZS

- 3-point headstock (rear), quick and easy mount/release.
- 60 or 85 cm cutting disk.
- Hydraulic offset.
- Pendulum-mount support wheels for an excellent ground contour following.
- Max. offset 2.10 m (SZS-600) / 2.22 m (SZS-850).

### OPTIONS:

- Hydraulic feeler bar for use in young trees or sloping terrain.



## PRUNINGS CHOPPERS

# PERFECT prunings choppers

PERFECT prunings choppers can shred prunings as thick as 10 cm/4". The combination of a heavy rotor and a high rotation speed caters for an unrivalled shredding, also large quantities of prunings are processed without any problem. With various models ranging from 0,90 m up to 4,60 m PERFECT offers the right prunings shredder for just about any type of orchard or vineyard.

### Characteristics:

- Very strong construction, built from top quality materials.
- Heavy duty flail shaft and flails for a maximum impact.
- Very fine shredding of prunings up to  $\varnothing$  10 cm requiring relatively low tractor power.
- Automatic v-belt tensioning (on most models) for a continuously available slashing power.







PRUNINGS SHREDDERS

# Flails/flail rotor

PERFECT flails are cast from a special steel and boron alloy, which makes that the cutting edge hardens when it gets in contact with the shredding material. The result is a great performance and a long life.

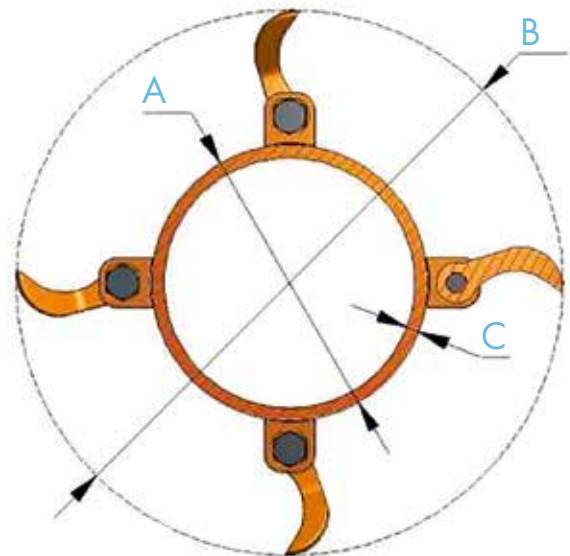
**Multiple flail types**

- **0,9 kg/2,5 lbs flail;** for grass, vegetation and prunings up to  $\varnothing$  3 cm/1 1/4 ". Excellent cut in grass.
- **2,2 kg/5 lbs flail;** to shred prunings of max.  $\varnothing$  10 cm/4". Great slashing power. Even withstands impact of stones. Extra wide mount.
- **Combi-flail;** extra heavy flail (2,7 kg/6 lbs) with replaceable cutting blade. For extra fine shredding, also of thicker material. Also a great cut in grass. One saves over 20% when replacing flails.

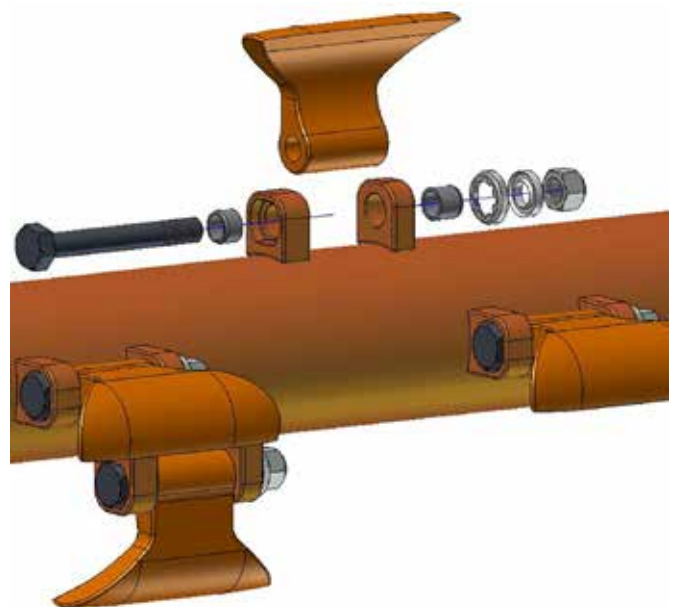


**Pro-Fix flail mount**

The Pro-Fix flail mount offers great added value in terms of protecting the flail rotor in very difficult working conditions. When the rotor gets in contact with a big stone, tree stump or other large and hard object, this guiding system from hardened steel prevents the flail attachment points from being damaged/removed from the flail shaft.



MODEL	A Ø FLAIL SHAFT	B Ø ROTOR	C THICKNESS (MM)
KD / BG2-BK2 / VARIOCHOP	140	407	12,5
KG-KK 150/180/220	178	445	14,2
KG-KK 245HD	219	485	12,5
NX-460	160	427	12,5



**Unique flail mount**

The flail suspension of PERFECT prunings shredders comprises hardened steel bushings between the flail ears and the flail bolt. Thanks to these bushings the flail ear does not wear out hence does not require replacing. Not having to grind and weld on a flail shaft preserves the balance of the rotor which extends the lifespan of the machine.



## BG2/BK2



- Heavy duty prunings shredder for prunings of up to ø 8 cm.
- Super-low frame and drive train, height 51 cm.
- Automatic v-belt tensioner for continuously available slashing power.
- Standard offset facility (parallelogram).

### OPTIONS:

- Hydraulic offset.
- Front mount version (trailed suspension).
- Twin skin / leaf shredding plate.
- Combi-flails.



## VARIOCHOP



- Front and rear mount.
- Hydraulic offset 48 cm.
- Adjustable PTO speed by reversing v-belt pulleys; PTO speed 540/750/1000 rpm.
- Gearbox with integrated overrunning clutch; also for reverse seat tractors.

### OPTIONS:

- Rake tines.
- Twin skin / leaf shredding plate.
- Combi-flails.

SPECIFICATIONS	135	150	180	210
Working width (m)	1,35	1,50	1,80	2,10
Flails (number)	8	9	12	12
Total width (m)	1,57	1,72	2,02	2,32
Max. offset from tractor centre (m)	0,68	0,99	1,29	1,59
Weight (kg)	660	700	740	810

### SPECIFICATIONS: BG2/BK2

### BK2-090 BK2/BK2-105 BG2/BK2-120 BG2/BK2-135 BG2/BK2-150 BG2/BK2-180 BG2/BK2-210

Working width (m)	0,90	1,05	1,20	1,35	1,50	1,80	2,10
Flails (number)	6	6	8	8	9	12	12
Total width (m)	1,10	1,28	1,43	1,58	1,73	2,03	2,33
Max. offset from tractor centre (m)	0,56	0,62	0,80	0,95	1,10	1,40	1,70
Weight BG2/BK2 (kg)	--	480	510	525	550	640	725



## KG / KK



- Heavy duty prunings shredder.
- 2,2 kg / 5 lbs. flails, for prunings up to  $\varnothing$  10 cm.
- Standard offset system (parallelogram).
- Driveline with 4 v-belts with automatic tensioning system.
- KG/KK-245HD with an extra heavy gearbox, pto shaft, extra large flail shaft and rear roller.
- KK with adjustable rear hood and rake tines possibility.

### OPTIONS:

- Hydraulic offset.
- Front mount (trailed suspension).
- Twin skin / leaf shredding plate.
- Combi-flails.
- Rake tines (on KK).



### SPECIFICATIONS

	KG/KK-150	KG/KK-180	KG/KK-220	KG/KK-245HD
Working width (m)	1,50	1,80	2,20	2,45
Number of flails	9	12	12	16
Total width (m)	1,71	2,10	2,50	2,75
Max. offset from tractor centre (m)	1,12	1,42	1,82	1, 81
Weight (kg)	750	780	795	990



## KD



- Compact, robust construction for prunings up to  $\varnothing$  3 cm.
- 0,9 kg / 2 lbs flails and rake tines.
- Offset facility (second headstock mounting point).

### OPTIONS:

- Hydraulic offset.
- Front mount 540/1000 rpm.
- Pro-Fix flail mount.
- Overrun clutch.



### SPECIFICATIONS

	KD-150	KD-180	KD-210	KD-240
Working width (m)	1,50	1,80	2,10	2,40
Number of flails (0,9 kg)	16	18	22	24
Total width (m)	1,73	2,03	2,22	2,68
Max. offset from tractor centre (m)	0,80	1,27	1,42	1,60
Weight (kg)	460	500	590	685



## NX-460



540



95-150

- Working width steplessly adjustable from 2,90 - 4,60 m.
- Two robust flail mowers of 2,40 m each.
- Independent, trailed suspension for an optimal ground contour following.
- 2,2 kg / 5 lbs flails for grass and prunings of up to  $\varnothing$  8 cm.

### OPTIONS:

- Active hydraulic steering for a reduced turning radius.
- 0,9 kg / 2 lb flails for a great cut in grass.
- Combi-flails



### SPECIFICATIONS

### NX-460

Working width min.-max. (m)	2,90-4,60
Number of flails (2,2 / 0,9 kg)	32/48
Transport width (m)	3,00
Weight (kg)	2100

## PRUNINGS SWEEPS

# PERFECT prunings sweeps

PERFECT prunings sweeps remove prunings and leaves from the tree / vine row.

PERFECT prunings sweeps are equipped with a swivel wheel which gives a precise ground contour following, independently from the tractor or shredder.

### Standard on every prunings sweep:

- › Swivel wheel for optimal ground contour following.
- › Working angle and height adjustable for a great result in any condition.
- › Standard working radius 100 cm, alternatively 130 or 58 cm (vineyards).
- › Also available with rubber paddles and support saucer instead of brushes.





MOUNT-ON SWEEP

**SPA**

**TO MOUNT ON A PRUNINGS CHOPPER**

- Incl. mounting plate to fit the sweep on a prunings chopper.

**OPTIONS:**

- Hydraulic lift.
- Adjustable width (manually).
- Rubber paddles and support saucer.



POETSER FRONTAANBOUW

**SPF**

**TO INSTALL ON THE TRACTOR FRONT**

- Mounting beam to install on the tractor front.
- Front linkage not necessary.

**OPTIONS:**

- Hydraulic lift.
- Hydraulic width adjustment.
- Headstock for front and rear linkage incl. extra working width adjustment.
- Rubber paddles with support saucer.





DOUBLE BRUSH SWEEP

**SPD**

**FRONT MOUNT, ALSO ON TRACTORS WITHOUT FRONT LINKAGE**

- Sweeps the tree strips on both sides in one pass.
- Total working with max. 5.15 m (table).
- Mounting beam to fit to the front of the tractor, front linkage not necessary.
- Hydraulic lift of the sweeper heads, working width hydr. adjustable.
- Necessary hydraulic couplings: 4 x DA or 3 x DA and 1 x SA.

**OPTIONS:**

- Headstock for front/rear linkage.
- Rubber paddles and support saucers.

**WORKING WIDTH DOUBLE PRUNINGS SWEEP SPD**

	<b>Brush diameter (cm)</b>	<b>Working width min.-max</b>
<b>Standard version (mounting beam)</b>	58	1,40-4,04 m
	100 (std.)	2,20-4,45 m
	130	2,80-4,75 m
<b>With headstoc front/rear linkage</b>	58	1,40-4,43 m
	130	2,80-5,15 m



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