



DISC MOWERS

TRAILED

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PERFECT OPERATION

cutterbar

PerfectCUT

PerfectCUT cutterbar :

KDT, KDTC, KT, KDC, TORO, KDF, KDD, KDD-R, and combinations MegCUT and GigaCUT

Basing on the experience of our customers around the world we have introduced to our production the Perfect CUT cutterbar. Precise cut, high durability of components, protection against sudden disc stoppage in case of coming onto an obstacle, quick and easy disc module replacement owing to modernized upper hub are the main advantages of Perfect CUT cutterbars.



Replacable inserts

- additional cutterbar protection

Hardened discs

- improved shape of the disc increases its thickness and enables perfect material flow
- high resistance to wear
- easy replacement

Topping plates (option)

- increases cutting height - 2, 2,5 or 3 cm
- bolted to the sliding skid
- easy replacement



Hardened, slide wearing pads

- additional slide protection
- exchangeable with topping skids
- easy to mount

Modernized, hardened slides

- reduce work resistance force
- shape and form enhance lower fodder contamination
- underside protection of the cutterbar

Stepless regulation of cutting height (from 3 cm / 1 1/4" to 7 cm / 2 3/4")

- setting the machine to standard cutting height from 4,5 cm / 1 3/4" (from 2° to 0°) enables ideal adjustment of the mower to working conditions (optionally topping skids and double topping skids enable cutting height up to 12 cm / 5")

- proper adjustment of cutting height (min. 6 cm recommended) has a great influence on the quality of cut hay and on the condition, height and the rate of growth of next crops:

- leaving longer stems of 7 cm / 2 3/4" decreases the risk of fodder contamination by other machines (tedder, rake, baler) thanks to longer distance from the ground

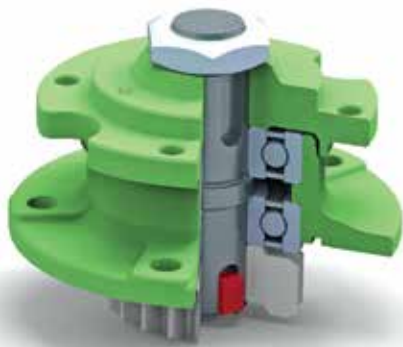
- too low cut grass (lower than 5 cm / 2") weakens the crop and decreases the rate of re-growth. Next crops have less volume and have lower nutritional value

$\alpha 0^\circ - h 6,8 \text{ cm}$

$\alpha 3^\circ - h 5,3 \text{ cm}$

$\alpha 5^\circ - h 4,4 \text{ cm}$





Disc module with **safe GEAR** system

- additional protection for gears inside the cutterbar
- strong, double - sealed bearings
- quick and easy module replacement even in the field
- reusable after key replacement

Design

- lightweight, durable, bolted
- thick, 5 mm / 13/64" steel shell

Hardened discs

- improved shape of the disc increases its thickness and enables perfect material flow
- high resistance to wear
- easy replacement

360°

System

- protection system
- sheared key safety feature as standard



Gears - 18 mm thickness

- precisely ground and fitted enable ideal drive transmission and silent work
- protected by **safe GEAR** system
- set on closed 2RS bearings

Hardened knife holder pins

- modernized shape of the pin increases knife stability
- longer resistance to wear thanks to Geomet® coat
- separate, replaceable element of the cutting disc



Central knife holder

- improved shape of the holder enables thorough cleaning of the cutterbar
- made of high quality hardened steel
- 360° range of rotation
- quick and easy replacement



Knife mounting lever

- quick and easy knife replacement

Hardened knives (L=105 mm / 4 9/64")

- SaMASZ logo proves the highest quality,
- quick knife replacement mounting with special lever at the back side and front of the cutterbar





Trailed disc mowers

KDC 300, KDC 340



Our design of trailed mowers with central drawbar allows working on both sides of the tractor. It helps to save time when taking turns. KDC mowers can be additionally equipped with tine or roller conditioner and belt conveyor for swath transportation.

Wide-angle PTO shaft

Wide-angle 960 Nm PTO shaft, if greased every 8 hours, has a warranty for 1000 man-hours !

Adjustable rigging screws

Regulate angle and working height of the transporter

Tine and roller conditioners

Advantages of tine and roller conditioners are detailed

Driveshaft

Driveshaft inside the drawbar is with no doubt an innovative solution, which has a great effect on extending its life.

Suspension

Wide frame rocker provides stable cutterbar operation.





Suitable for any conditions

KDC 300 S, KDC 301 W, KDC 340 S, KDC 341 W

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Mowing at both sides

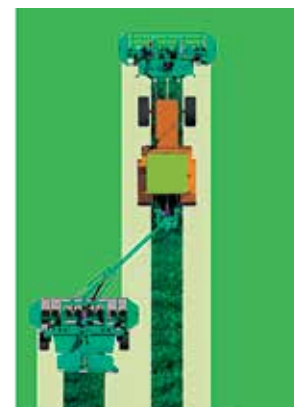
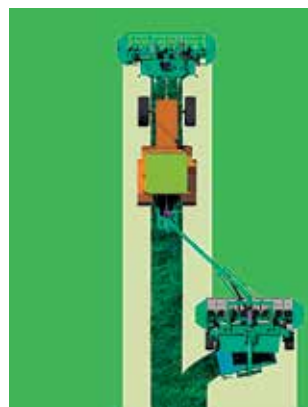
Long and center-mounted drawbar is ideal for up and down operation. Changing sides is easy and convenient from the tractor seat. Single-acting cylinders swing the mower over to the other side in up and down operation and swing it centrally behind the tractor in transport position. The center-mounted pivoting drawbar allows mowing up and down the field in either direction.

Belt conveyor merger

The merger conveys the material onto the existing windrow or next to it to form a double windrow which can be easily picked up by the following harvester. Feeding the crop onto the windrow without the material ever touching ground, the belt conveyor ensures clean forage without losses. Therefore save your time, increase your efficiency, reduce the number of passes and the risk of soil compaction. What is more, it eliminates tedding and raking processes.

Wide tires

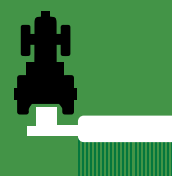
Mower is equipped with wide tires ensuring excellent adhesion and stability. As the machine operates on soft grounds, slopes or water-soaked fields it runs on 340/55-R16 (13.0/55-16) tires that provide light treading to protect the turf. Mounted at a 3° angle, the wheels effectively roll, in direction of travel without pulling to the side.



		KDC 300	KDC 340	KDC 300 S		KDC 301 W	KDC 340 S	KDC 341 W
TECHNICAL DETAILS	Working width [m / ft]	3,00 / 9'10"	3,40 / 11'2"	3,00 / 9'10"			3,40 / 11'2"	
	Transport width [m / ft]	3,00 / 9'10"	3,50 / 11'6"	3,00 / 9'10"			3,40 / 11'2"	
	Swath width [m / ft]	1,30 - 1,50 / 4'4" - 4'11"	1,70 - 2,10 / 5'7" - 6'10"	1,00 - 1,60 / 2'11" - 5'3"			1,30 - 2,00 / 4'4"-6'7"	
	Necessary hydraulic couplers	1 x single acting 1 x double acting						
	Working capacity [ha/h / ac/h]	~ 3,50 / ~ 8,70	~ 4,00 / ~ 10,00	~ 3,50 / ~ 8,70			~ 4,00 / ~ 10,00	
	Number of discs [pcs.] Number of knives [pcs.]	7 / 14	8 / 16	7 / 14			8 / 16	
	Tires	340 / 55 / 16			400 / 50 / 15			
	RPM	540 / 1000						
	3-point hitch cat.	II						
	Power demand [HP]	from 80	from 90	from 90			from 110	
Weight [kg / lbs]	1650 / 3640	1755 / 3870	1910 / 4210		2100 / 4630	2095 / 4619	2280 / 5027	
PTO shaft	tractor - mower: with friction clutch, built-in: 1. no clutch, 2. with overrunning clutch, 3. with overload clutch, 4. wide-angle u-joint							



Unique quality of forage



Advantages of swath conditioners:

- Several times faster grass drying owing to breaking wax layer on a leaf blade
- Cutting wax layer through, facilitates „grass breathing“, which reduces losses in plants nutrition value, and increases swath density
- Elimination of tedding (fewer drives)
- Free presentation of material in wide swath, as well as reducing and balancing its density enables easy pick up for baler or self-collecting trailer
- Increased space between tine shaft and conditioner's hood to improve material throughput at extremely high harvest
- Swath width adjustment by swath guides



Integrated gearbox

KT 261 S and KT 301 S mowers have been equipped with integrated gearbox, which apart from the cutterbar also drives the conditioner. Providing two speed rates: 700 and 1000 rpm.

Tine conditioner with new V-claw tine:

- swing mounting allows for the tine to move back when it comes across an obstacle
- increases durability of the bolts owing to limited range of tine's movement
- special shape of the tine prevents the hit against the shaft
- lowers the power demand thanks to better flow of the material

Tines

Enhanced V-shaped tines are made of hard-wearing steel. Properly balanced tine weight and helical arrangement on the tine shaft provide their effective operation in the heaviest crops. There is a fixed and pivot tine mounting option.

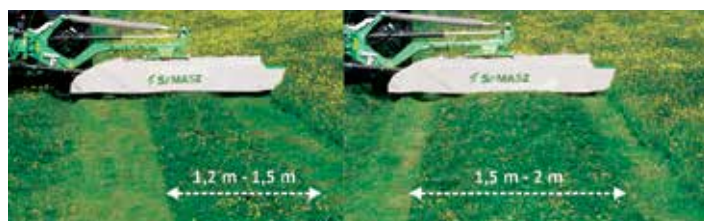


V-claw tine:

- increased conditioning intensity thanks to tine's angle
- better effect of forage reversing
- long diameter of conditioner's shaft enables easy operation even with high density of material
- ideal aeration of the material with a guarantee of evenly formed swath

Swath width adjustment in conditioner mowers

Obtaining narrow swath is possible owing to application of additional drums or by swath guides (Fig. 1). Wide swath provides faster and more balanced grass drying process (Fig. 2).





Tine and roller conditioners

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Advantages of roller conditioners

- Wide rollers along the cutterbar increase efficiency of crushing stems of caney crops
- Rubbing wax from stem's layer and at the same time pressing them out increase drying process
- An inclination of upper roller towards the cutterbar enables better forage pick-up
- Chevron-profiled conditioner rollers interlock to crimp, rub and crush the crop at great intensity
- The rollers are driven by:
 - upper roller – heavy duty bevel belt
 - lower roller – double chain
- Upper roller is suspended on two rockers with clearance regulation by means of springs. It is easy to adapt the roller clearance and pressure to the current crop yield and variety. This solution enables conditioning of large forage crops and their even breaking throughout the whole roller's width. Clearance between the rollers enables stone transport up to 6 cm (2 1/3") diameter

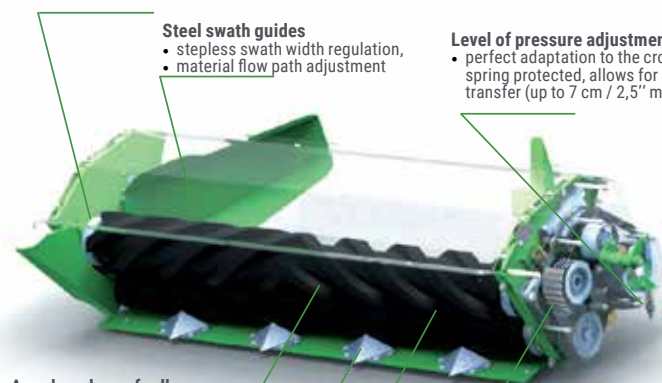
Mechanism that adapts the rollers to the amount of material.

Steel swath guides

- stepless swath width regulation,
- material flow path adjustment

Level of pressure adjustment

- perfect adaptation to the crop yield
- spring protected, allows for obstacle transfer (up to 7 cm / 2,5" max. Ø 6)



Angular edges of rollers

- more accurate operation and faster drying of the green forage,
- time savings.

Metal inserts

Roller's shape

- chevron profiled,
- interlock, handling the material with ease
- supports breaking the wax layer from the leaf blade

Toothed belt drive

- easy and fast replacement,
- small power loss.



Roller section

Steel on steel roller conditioners

Same great advantages as Rubber Rollers. The Steel on Steel Rollers work even better on strong crops like Sorghum & Canola. The Rollers have a diameter of 215mm.

Replacement of the cutting blades

With the special wrench supplied as standard, the cutting knives can be replaced quickly.



IMPORTED BY:



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Your dealer:

True passion and constant seeking of the best solutions are amongst the ideas, which have been essential for the SaMASZ employees and have become the key to the company's success.

What contributes the most to constant and dynamic development of the company are close contact with our customers and staying open to their needs. Thanks to dialogue with our present and future clients and trying to meet their expectations we create and strengthen up the basis of our dynamic success. We are creating the brand, which is already well recognized not only in the whole Europe, but also in the world.

Considering constant development as our top priority, we invest in product research. Our employees are the most talented Technical University graduates, who are not only experts in their own fields, but also bring in a great dose of professionalism and passion to their duties. You can always count on their competence and reliability.

Today, SaMASZ is the top Polish and one of the major European manufacturers of forage machinery. Our offer includes more than 300 types of different machines: drum mowers, disc mowers, tedders, rakes, flail mowers, extension arms or snow plows. Since the beginning we managed to manufacture and sell more than 110 000 mowers and few thousands of other machines. We export to more than 50 countries around the world. Our sales network includes approx. 60 companies in Poland and approx. 70 abroad.

Our main goal, which is constant development and implementation to our production cutting edge technology in order to keep the world's top quality. We are fully aware, that in this ever changing reality, customers tend to seek trading partners who are trustworthy, and therefore we have an ambition of being considered as a reliable and professional manufacturer.



Technical data and equipment provided herein, as well as images of the products may be different due to constant technical development.