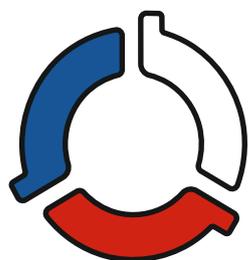


# CATALOGUE 2021/2022

31 YEARS  
TRADITION  
OF GRASS MOWING  
1990-2021



# DAKR

**DAKR machines – reliable and useful helpers throughout the year**



[www.dakr.eu](http://www.dakr.eu)



**DAKR Ltd. is a Czech family company** with head office in the gate of Moravia in Hranice. The original trust in our own abilities and strong family background enabled us to establish a company at very good level. **The tradition of our production reaches back to 1990** when we begun production of the drum mowers for high grass. We focus on the production of garden, agricultural, and municipal machinery. Most of our activities comprise the design, production, and servicing of the mowers for high grass.

We employ our own designers but we gain ideas and experiences from our customers, representatives and servicemen too. During the development we place a great emphasis on the machine function, its reliability and safety. Besides our own testing of each machine, they are certified according to the standards by testing laboratory. The system of quality management on the fields of development, construction, production, sale and service is certified according to EN ISO 9001. During the development there arise completely new and unique solutions which do not have parallel which illustrate series of utility designs. A successful development enables us to keep the production in Czech Republic and offer high quality machines to the customers.

We place the great emphasis on the production too. We have 2 fully automated robotic welding workstations, a fiber CNC laser machine for the shaped steel components, 4 CNC lathes, a CNC machining centre, a CNC press brake and

a number of other specialized machines. Nowadays we already know that our equipment is still not enough so we will continue to invest in modern machines, automation, digitization and the construction expansion of our production facilities.

We try to find out the exact needs of the customer and offer him the most suitable machine. We manufacture a wide range of adaptors for the grass mowing so we can offer other options than just the mowing with a drum mower. You can mow the grass with a single or double disc compatible with the one-drum mower adaptor, the two-drum mower and the disc mower. Or you can crush it with a blade mulcher or a flail mower. Each mowing unit has its advantages and disadvantages and it is suitable just for a certain type of grass and land. It is necessary to take into consideration how tall the grass is, the grass could lay down and maybe a mole made from your beautifully flat land a motocross track. With DAKR you do not need 6 machines for 6 different ways of mowing but you only need one driving unit which is compatible with six different adaptors.



FANUC CNC robotic welding workstation



YASKAWA CNC robotic welding workstation



DAKR MACHINES FEATURES	PROTON 2	TEKTON	TEKTON INSTART	TRITON ENDURO	TRITON FJ
HIGH AS WELL AS LOW GRASS MOWING	yes	yes	yes	yes	yes
MAXIMAL MOWING OUTPUT (M <sup>2</sup> /H)	1800	1800	1800	1800	1800
AVERAGE MOWING OUPUT (M <sup>2</sup> /H)	800	900	900	900	900
ONE-DRUM MOWER WITH SINGLE-DISC COMPATIBILITY	yes	yes	yes	yes	yes
ONE-DRUM MOWER WITH DOUBLE-DISC COMPATIBILITY	no	yes	yes	yes	yes
FOUR-DISC MOWER WITH 125 WORKING WIDTH COMPATIBILITY	no	no	no	no	no
MAXIMAL MULCHING OUTPUT (M <sup>2</sup> /H)	-	1650	1650	1650	1650
AVERAGE MULCHING OUTPUT (M <sup>2</sup> /H)	-	700	700	800	800
BLADE MULCHER COMPATIBILITY	no	yes	yes	yes	yes
FLAIL MOWER COMPATIBILITY	no	no	no	no	no
HAYMAKER COMPATIBILITY	no	no	no	no	no
AERATOR COMPATIBILITY	no	no	no	no	no
SHREDDER COMPATIBILITY	no	no	no	no	no
TRAILER COMPATIBILITY	no	no	no	no	no
CYLINDRICAL BRUSH COMPATIBILITY	no	no	no	no	no
ROTAVATOR COMPATIBILITY	no	no	no	no	no
PLOUGHSHARE COMPATIBILITY	no	no	no	no	no
SNOW BLOWER COMPATIBILITY	no	no	no	no	no
SNOW BLADE COMPATIBILITY	ne	yes	yes	yes	yes
RECOMMENDED USE WITH REGARD TO ENGINE LIFE	hobby	hobby	hobby	profi	profi
USE ON PLANE SURFACE	yes	yes	yes	yes	yes
USE ON GENTLE SLOPE	yes	yes	yes	yes	yes
USE ON STEEPER SLOPE	limited	limited	limited	limited	limited
MAXIMAL SPEED (KM/H)	3	3	3	3	3
ELECTRIC START	no	no	no	no	no
SEAT COMPATIBILITY	no	no	no	no	no

DAKR MACHINES FEATURES	PANTER FD2	PANTER FD2H	PANTER FD3eco	PANTER FD3-500	PANTER FD5	NOTES
HIGH AS WELL AS LOW GRASS MOWING	yes	yes	yes	yes	yes	
MAXIMAL MOWING OUTPUT (M <sup>2</sup> /H)	5500*	7500*	10000*	10000*	12500*	* with DZS 125
AVERAGE MOWING OUPUT (M <sup>2</sup> /H)	1700*	1900*	4000*	6000*	6000*	* with DZS 125
ONE-DRUM MOWER WITH SINGLE-DISC COMPATIBILITY	yes	yes	yes	yes	yes	
ONE-DRUM MOWER WITH DOUBLE-DISC COMPATIBILITY	yes	yes	yes	yes	yes	
FOUR-DISC MOWER WITH 125 WORKING WIDTH COMPATIBILITY	yes	yes	yes	yes	yes	
MAXIMAL MULCHING OUTPUT (M <sup>2</sup> /H)	3124	4260	9680	9680	12100	
AVERAGE MULCHING OUTPUT (M <sup>2</sup> /H)	1600	1700	4000*	6000*	6000*	* with M121
BLADE MULCHER COMPATIBILITY	yes	yes	yes	yes	yes	
FLAIL MOWER COMPATIBILITY	no	no	yes	yes	yes	
HAYMAKER COMPATIBILITY	yes	yes	yes	yes	yes	
AERATOR COMPATIBILITY	yes	yes	yes	yes	yes	
SHREDDER COMPATIBILITY	yes	yes	yes	yes	no	
TRAILER COMPATIBILITY	yes 220 kg	yes 220 kg	yes 220 kg	yes 220 kg	yes 400 kg	
CYLINDRICAL BRUSH COMPATIBILITY	yes	yes	yes	yes	yes	
ROTAVATOR COMPATIBILITY	yes	yes	yes	yes	yes	
PLOUGHSHARE COMPATIBILITY	no	no	no	no	yes	
SNOW BLOWER COMPATIBILITY	yes	yes	yes	yes	yes	
SNOW BLADE COMPATIBILITY	yes	yes	yes	yes	yes	
RECOMMENDED USE WITH REGARD TO ENGINE LIFE	profi	profi	profi	profi	profi	
USE ON PLANE SURFACE	yes	yes	yes	yes	yes	
USE ON GENTLE SLOPE	yes	yes	yes	yes	yes	
USE ON STEEPER SLOPE	yes	yes	yes	yes	limited	
MAXIMAL SPEED (KM/H)	4,4	6	8	8	10	
ELECTRIC START	no	o	no	yes	yes	
SEAT COMPATIBILITY	yes	yes	yes	yes	yes	

The average performance of mowing and mulching is indicative and depends on the terrain, vegetation, on the degree of the slope and the physical abilities of the operator when walking behind the machine. The service life of aluminum engines is approximately half than of the engines with a cast iron cylinder.

## Pay attention to these parameters to choose the right mower:



We manufacture more than 50 different types of mowers and mulchers for high grass so our portfolio includes a machine for everyone. To make the choice of the machine as easy as possible for you the following symbols will be used throughout the catalogue. By taking the basic requirements into account you can choose a suitable machine that will serve you reliably for years, will never have a problem getting through difficult terrain, will handle exactly how you need it and can also be used for other work. As our machines are designed to be modular you get equipment that will help you all year round, with a great deal of additional functionality.



You can save a lot of time at work by choosing the mower with optimum operating width. In our product range you will find mowers and mulchers with the cutting width of 55, 60, 69, 71, 100, 121 and 125 cm. From the value of the cutting width and the machine's speed, you can easily calculate the maximum working power of the machine. The actual power in real conditions corresponds to about 1/3 to 2/3 of the maximum power.

EXAMPLE: The Tekton mower with 60 cm operating width will mow up to 1,800 m<sup>2</sup> in an hour. In general you can mow about 1,000 m<sup>2</sup>/h with it.

The Panther FD3-500 + RZS121 mower with 121 cm operating width will mow up to 10,000 m<sup>2</sup> in an hour. In general you can mow about 4,000 m<sup>2</sup>/hour with it.



If you are mowing on the slopes we recommend to pay close attention to the tires. They should have a large diameter, a quality tire tread and also quality rubber should be used for their production. The cheating on the wheels in their size, quality of the tire mixture and their pattern has a very negative effect on the mower's driving features on slopes but also on planes. The stated value symbolizes the outer diameter of the wheel in mm.



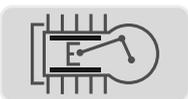
Nobody wants to have a single-purpose machine at home just for mowing. Choose from our Tekton, Triton or Panther kits and you will use them for many other activities. We do not force you to buy expensive single-purpose machines. Our Panther driving units are compatible with the adapters for mowing, mulching, raking, loosening the soil, aerating lawns, sweeping and collecting dirt, snow removal, cargo transport, crushing branches, etc. In addition the Panther FD5 driving unit excels in a whole range of field work so Dakr machine mows as well as plows.



The other customers want to be able to adjust the cutting height comfortably because they have one flat piece of land and the other bumpy. Regarding the mulchers this feature has been known for many years. If you are looking for a drum mower with these options, then only the RZS70K mower will meet your requirements because no other manufacturer produces a mower like that for high grass.



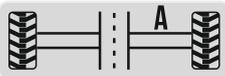
Using an electric starter is very popular with more powerful engines but sometimes it brings minor difficulties in case the customer is not able to start the machine in the event of a battery failure. There is a key to start the Panther FD3-500 and Panther FD5 driving units but even a discharged battery will not limit you as the engine is equipped with a completely independent backup manual starter.



Engine manufacturers sometimes state maximum power to "wow" customer so we recommend you to compare the engine capacity and focus on its service life. The cast iron cylinder has approximately double service life of the aluminum cylinder. Please do not confuse the 850 engine with the 850 I/C engine.



The traction and controllability of the machines is significantly affected by the type of axle used. The best controllability is achieved by fitting with a classically designed differential and a manually controlled locking because it gives you the control over the wheels traction as well as machine direction.



The self-locking differential or split self-locking axle makes it easy to guide the machine around obstacles, cross over asphalt etc. When turning, the wheels turn independently of each another but in the straight direction they are engaged together. Working with a machine equipped with this system allows passing the trees easily.



The fixed axle is completely maintenance-free. It always guides the machine precisely so it is suitable especially for more demanding terrain where the highest emphasis is placed on the traction. Its excellent properties in the straight direction results in slightly more difficult turning because the machine needs to be skidded. We therefore recommend this system better for the area with a minimum of the obstacles.

**STAINLESS  
STEEL**

Thanks to our modern technologies, we can produce some parts from stainless steel which is advantageous especially for their long life. Clean the mulcher's casing and the collecting bin of the sweeping brush mechanically and they will always look like new for many years.



Our development projects often result in completely new solutions that are unparalleled elsewhere as can be seen in our range of utility models. We provide development from our own resources. Our products bearing the seal of the Industrial Property Office of Czech republic are the result of many years spent striving to provide customers with originality coupled with technical benefits.

**SAFETY REGULATIONS  
2020**

The mowers and the mulchers marked with this symbol meet the ČSN EN 12733 standard and provide you with maximum safety at work.

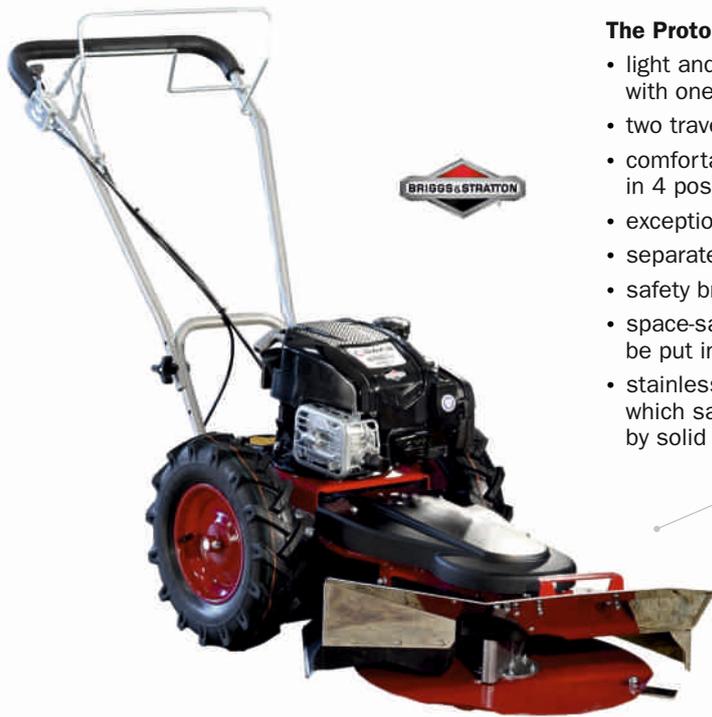
# PROTON DRUM MOWERS

- reliable helper for gardens

The drum mowers are designed for regular mowing of the high grass. When developing the PROTON model line we focused on a group of customers who use a brush cutter, a grass trimmer and other similar tool to mow their land. Among these customers there are lot of cottagers who need to transport the machine easily and expect they will be able to mow 50-100 cm high grass without any problems. The mowed grass can be dried on hay or composted after raking. When working in such conditions, you often work in difficult terrain. In order for the mower to be agile even in the hills, it is important to choose a machine with travel and the option to gear different speed for slower and faster driving.

## PROTON 2

The basic model of the self-propelled mower has a fixed axle with V-shape tread pattern wheels. Thanks to two travel speeds, it can be effectively adapted to the abilities of the operator or to the slope of the terrain. A matter of course with this machine is the independent intuitive switching of travel and mowing by using a pair of control bars. The machine does not accelerate while driving downhill but uses the engine braking. When driving uphill the both wheels are engaged at the same time.



### The Proton 2 mower advantages:

- light and easily manageable machine that can be operant with one hand
- two travel speeds (2.3 or 3.0 km/h)
- comfortable handlebars with the antivibration sleeve, in 4 position adjustable
- exceptionally low noise
- separate, independent travel and cutting tool switches
- safety break for quick stop of the blades
- space-saving machine with collapsible handlebars which can be put into a car by a single person
- stainless steel cover in conformity with Safety Standards which say that the half of the cutting disc has to be covered by solid shield within the blades

### PROTON 2



DESIGNATION ORDER NO.	ENGINE	MOWING MECHANISM	TRAVEL
<b>PROTON 2</b> 01233.006	Briggs&Stratton 675 Exi Series 163 cc, 5.5 HP, aluminium cylinder	Disc with small slider, 2 blades (4 optional), 60 cm operating width, a protection cover	Two travel speed (2.3 or 3.0 km/h), solid axle, 400 mm wheels with V-shape tread pattern

## SPECIAL ACCESSORIES

### Set of fixing (blade, bolt, nut, washer)

Order No.: 2 x 51200.074 + 2 x 01200.010



### Steel slider

Order No.: 51200.200



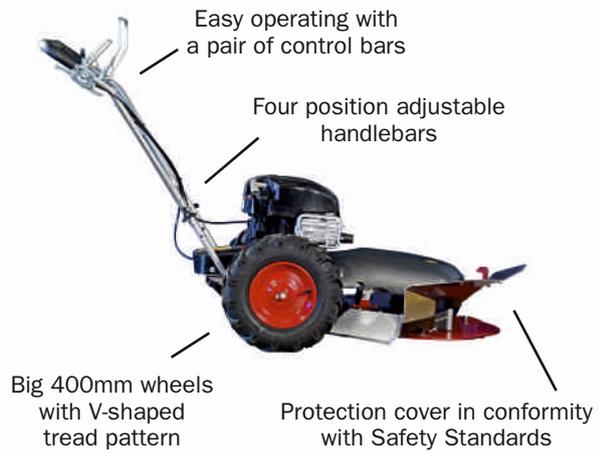
# TEKTON KIT

**- mowing, mulching, snow removal... all simple with one machine!**

A common feature of the TEKTON machines is a modular chassis with 4 compatible adaptors as well as a two-speed gearbox. The machines differ in the engine model and the typical cutting mechanism. All the models are of course equipped with a travel. These machines are light (48-56 kg depending on the type of machine). They can be easily turned and pulled back. They have an axle which locks in the engagement. When you turn the axle will open partly similar to the differential. The handlebars are height adjustable, the wheels are blown and large with a diameter of 400 mm so they can easily pass various bumps and holes on the ground. Riding this machine is similar to a pram and the operation is comparable to the lawn mowers so women often mow with them without worry. Tektons are fitted with 3 different petrol 4-stroke engines in an aluminium hobby design. Customers who have a problem with the manual start can choose the electric starter from the Lion battery.

**The TEKTON kit has the following advantages:**

- light and easily manageable machine that can be operant with one hand
- a kit with 4 compatible adaptors: 2 types of mower for high as well as low grass, a mulcher or a snow blade
- two travel speeds 2.3 and 3.0 km/h
- comfortable handlebars with the antivibration sleeve, in 4 position adjustable
- exceptionally low noise
- separate, independent travel and cutting tool switches
- axle with automatic disconnection of the shutter during the travel disconnection
- axle with automatic connection of the shutter during the travel use
- safety break for quick stop of the blade
- space-saving machine with collapsible handlebars which can be put into a car by a single person
- stainless steel cover in conformity with Safety Standards which say that the half of the cutting disc has to be covered by solid shield within the blades



## TEKTON KIT

**In range of our Tekton modular mowers we use Briggs&Stratton and Honda engines which service is guaranteed all over the Europe.**



**TEKTON chassis**

- Briggs&Stratton 675 EXi Series engine
- Honda GCVx170 engine
- Briggs&Stratton 675 Series InStart engine

**+ compatible adaptor\***

- SUNI single-disc drum mower adaptor
- SUNI 2 double-disc drum mower adaptor
- MUNI mulcher adaptor
- RUNI snow blade

\* To each Tekton chassis it is possible to attach any of the compatible adaptors as bellow. See page 8 and 9 for more details.

## COMPATIBLE ADAPTORS

**SUNI single-disc drum mower**

Order No.: 01235.186



**SUNI 2 double-disc drum mower**

Order No.: 01235.181



**MUNI mulcher**

Order No.: 01235.184



**RUNI snow blade**

Order No.: 01235.190



\*If you buy a new SUNI single-disc or SUNI 2 double-disc adaptor it is necessary to buy a protective cover too. The cover is same for SUNI as well as SUNI 2 adaptor.

**Protective cover**

Order No.: 11200.949

- grass mowing with elegance, flexibly, simply and fast

The drum mowers mow both low and tall grass and treat the vegetation in the same way as a scythe which means that they only cut the grass once and do not damage it further. It is suitable for example when drying hay. The main group of our customers are people who do not want or cannot mow the grass many times a year but for example only once in the spring and at the end of summer for the second time. It is not just about comfort but also because the natural diversity of the plants and animals haven't been found in the area which is regularly shortened to a length of a few centimetres in the interval of 1-2 weeks.

## TEKTON mower with single or double disc

The single disc with a small pivot slider can cope with laying grass because it fluffs the grass and mows it at once. The double disc is suitable for uneven ground because it is better protected from the impact against the bumps and does not lose energy from collisions. Of course there are more differences and each system has its advantages and disadvantages. The Tekton and Triton kits have both options and can be changed according to where it is used and what is cut.



### Operator comfort and safe control even in more demanding terrain

All TEKTON mowers have a self-locking divided axle that works similarly as the differential with locking. This system ensures that the both wheels are engaged together when the travel is switched on. If you switch off the travel the wheels will rotate separately. If you turn off the travel you can change the machine's direction easily which is comfortable and safe. The machine does not accelerate while driving downhill but uses the engine braking.



### TEKTON drum mower kit

#### Common Features:

- 3 engines at choice
- single-disc or double-disc at choice
- 2 travel speeds (2.3 km/h or 3.0 km/h)
- self-locking divided axle
- operating width 60 cm
- max. hourly per formance 1,800 m<sup>2</sup>/h
- possibility of rebuilt into mulcher or blade



### The cover is a part of the machine



DESIGNATION ORDER NO.	ENGINE	MOWING MECHANISM *	TRAVEL
<b>TEKTON</b> 01233.317	Briggs&Stratton 675 Exi Series 163 cc, 5.5 HP, aluminium cylinder	Disc with small slider, 2 blades (4 optional), 3.5 cm stubble height, 60 cm operating width, a protection cover	Two travel speed (2.3 or 3.0 km/h), self-locking divided axle, 400 mm wheels with V-shape tread pattern
<b>TEKTON 2</b> 01233.337		Double-disc with full surface slider, 4 blades, 4.0 cm stubble height, 60 cm operating width, a protection cover	
<b>TEKTON InStart</b> 01233.330	Briggs&Stratton 675 Series InStart 163 cc, 5.5 HP, aluminium cylinder, electric switch	Disc with small slider, 2 blades (4 optional), 3.5 cm stubble height, 60 cm operating width, a protection cover	
<b>TEKTON InStart 2</b> 01233.340		Double-disc with full surface slider, 4 blades, 4.0 cm stubble height, 60 cm operating width, a protection cover	
<b>TEKTON GCVx</b> 01233.316	Honda GCVx170, 166 cc, 5.5 HP, aluminium cylinder	Disc with small slider, 2 blades (4 optional), 3.5 cm stubble height, 60 cm operating width, a protection cover	
<b>TEKTON GCVx 2</b> 01233.336		Double-disc with full surface slider, 4 blades, 4.0 cm stubble height, 60 cm operating width, a protection cover	

\* The individual types of cutting discs are shown on page 7 in section compatible adaptors.

# TEKTON MULCHERS

It is a machine with one horizontal blade and operating width of 55 cm. Thanks to the excellent handling of all Tekton and Triton models they are suitable for rugged gardens and smaller orchards or vineyards. The machine has an adjustable mulching height and a stainless steel body. In the first phase after mowing, the freshly cut grass mass partially closes the surface and thus inhibits the growth of more grass. However after few days this material is transformed into humus which supplies the soil with nutrients and is a source of many organic substances. Tekton and Triton mulchers advantage is that if mulching is already difficult or impossible then the cutting disc may be used instead and the problem is solved.

## When choosing a machine you should focus on:

- a possibility to adjust the stubble height. We can set not only the height of the stubble but also the optimal length of grass cut.
- a possibility to combine the mowing and the mulching. Only by alternating these ways of maintenance we will achieve the best results. The mulch must have enough time to turn into humus.
- a sufficiently powerful engine. Mulching is more efficient than mowing itself because the grass must be crushed.

The body of the TEKTON mulcher is made of stainless steel. The height adjustment is done centrally by a lever.



## TEKTON mulcher kit

### Common Features:

- 3 engines at choice
- 2 travel speeds (2.3 km/h or 3.0 km/h)
- self-locking divided axle
- operating width 55 cm, central height adjustment
- max. hourly performance 1,650 m<sup>2</sup>/h
- stubble height 4-10 cm
- possibility of rebuilt into mower (single or double disc) or blade

## SPECIAL ACCESSORIES

You can connect 2 types of mowing adaptors and a snow blade to Tekton mulchers. All the adaptors are shown on page 7.



DESIGNATION ORDER NO.	ENGINE	MOWING MECHANISM	TRAVEL
<b>TEKTON MULCHER</b> 01233.019	Briggs&Stratton 675 Exi Series 163 cc, 5.5 HP, aluminium cylinder	Stainless steel body, 55 cm operating width, central height adjustment, stubble height 4-10 cm	Two travel speed (2.3 or 3.0 km/hour), self-locking divided axle, 400 mm wheels with V-shape tread pattern
<b>TEKTON InStart MULCHER</b> 01233.042	Briggs&Stratton 675 Series InStart 163 cc, 5.5 HP, aluminium cylinder, electric switch		
<b>TEKTON GCvX MULCHER</b> 01233.020	Honda GCvX170, 166 cc, 5.5 HP, aluminium cylinder		

Triton is similar to Tektons but technically exceeds them. Tritons have very low vibrations due to the conical connection of the shaft to the cutting adaptors. The adaptors are driven by a RoFlex V-belt with Kevlar fiber placed on a steel pulley. All mowers have an industrial brake of the cutting adaptor. A common feature of Tritons is a two-speed gearbox as well as a modular chassis to which you can connect 4 types of adaptors. The individual models differ in the engine type and the connected adaptor. All the Triton machines have a travel of course.

**The TRITON kit has the following advantages:**

- easy replacement of the adaptors fixed from above with an easily accessible screw
- lower vibrations due to the conical connection of the cutting adaptor's shaft
- RoFlex Garden V-belt with Kevlar fiber
- steel pulley
- light and easy machine to use which can be operated with one hand
- kit that can serve as a mower, mulcher and snow plow
- industrial brake of the mower adaptor
- two travel speeds 2.3 or 3.0 km/h
- comfortable handlebars with anti-vibration sleeve which are height-adjustable in 4 positions
- stainless steel protection cover meets the latest safety standards according to which half of the mowing disc must be protected by a solid cover up to the level of the cutting blades
- space-saving machine with folding handlebars which can be loaded into the car by one person
- axle with automatic locking when travel is engaged
- compatibility with all TEKTON machines (cables, belts, spare parts for mowing adaptors are interchangeable)
- axle with automatic disconnection when travel is switched off



## TRITON KIT

All our Triton modular mowers and mulchers are fitted exclusively with Briggs&Stratton, Honda and Kawasaki brand engines whose service and sale of spare parts are provided by technicians throughout the Europe.



**TRITON chassis**

- Briggs&Stratton 850I/C Series engine
- Kawasaki FJ 180
- Honda GCVx200 engine

**+ compatible adaptor\***

- STR1 single-disc drum mower adaptor
- STR2 double-disc drum mower adaptor
- MTR mulcher adaptor
- RTR snow blade

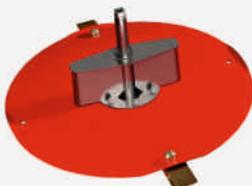
\* Illustration of the uncovered Triton's frame which is compatible with one of the adaptors below. See pages 12 and 13 for more information.

TRITON machines have a divided travel pulley which works as a differential when travel is switched off. When the travel is switched on the axle closes and engages both wheels at the same time. Our solution allows you to effortlessly turn exactly as needed while keeping the exact direction of travel even in difficult terrain. This design solution ensures precise and safe controllability and it is a much better solution than freewheels in the wheels. When driving downhill the machine does not accelerate but brakes by the engine. The both wheels are engaged uphill.

### COMPATIBLE ADAPTORS

**STR single-disc drum mower adaptor**

Order No.: 01235.286



**STR 2 double-disc drum mower adaptor**

Order No.: 01235.281



**MTR mulcher adaptor**

Order No.: 01235.284



**RTR snow blade**

Order No.: 01235.290



\* If you purchase STR1 single-disc or STR2 double-disc in addition to your machine it is also necessary to purchase a protective mowing cover if you don't have it any more (covers for STR1 and STR2 are identical).

**Protective cover**

Order No.: 11200.950



**YOU.POWERED.**

# I/C<sup>®</sup>

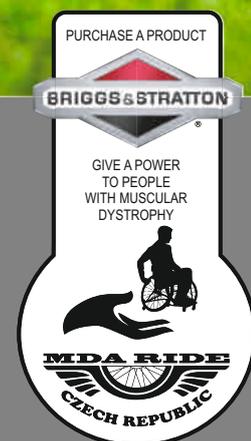
ENGINES **BRIGGS & STRATTON**



PROFESSIONAL ENGINES

## WHAT DOES THIS SYMBOL ON THE ENGINE PLATE MEAN?

Engines marked with the I/C symbol are equipped with a cast iron cylinder. The cast iron insert provides additional protection against engine wear. Therefore, these motors are recommended to professionals for use in the most demanding conditions.





### Triton drum mower kit

#### Common Features:

- 3 engines at choice
- single-disc or double-disc at choice
- 2 travel speeds (2.3 or 3.0 km/h)
- self-locking divided axle
- operating width 60 cm
- max. hourly performance 1,800 m<sup>2</sup>/h
- possibility of rebuilt into mulcher or blade



DESIGNATION ORDER NO.	ENGINE	MOWING MECHANISM **	TRAVEL
<b>TRITON ENDURO</b> 01233.318	Briggs&Stratton 850 I/C Series* 190 cc, 6.5 HP, cast iron cylinder, oil filter, oil pump	Disc with small slider, 2 blades (4 optional), 3.5 cm stubble height, 60 cm operating width, a protection cover	Two travel speed (2.3 or 3.0 km/h), self-locking divided axle, 400 mm wheels with V-shape tread pattern
<b>TRITON ENDURO 2</b> 01233.338		Double-disc with full surface slider, 4 blades, 4.0 cm stubble height, 60 cm operating width, a protection cover	
<b>TRITON FJ</b> 01233.321	Kawasaki FJ 180, 179 cc*, 5.5 HP, cast iron cylinder	Disc with small slider, 2 blades (4 optional), 3.5 cm stubble height, 60 cm operating width, a protection cover	
<b>TRITON FJ 2</b> 01233.341		Double-disc with full surface slider, 4 blades, 4.0 cm stubble height, 60 cm operating width, a protection cover	
<b>TRITON GCVx</b> 01233.201	Honda GCVx200, 201 cc, 7.0 HP, cast iron cylinder	Disc with small slider, 2 blades (4 optional), 3.5 cm stubble height, 60 cm operating width, a protection cover	
<b>TRITON GCVx 2</b> 01233.202		Double-disc with full surface slider, 4 blades, 4.0 cm stubble height, 60 cm operating width, a protection cover	

\* All Triton Enduro and Triton FJ models offer engine specifications with a cast iron cylinder. Do not confuse the Briggs&Stratton 850 I/C Series engine with a Briggs & Stratton 850 Series engine which has the aluminum cylinder. We use only the Briggs & Stratton 850 I/C engine for all products. It has a cast iron cylinder, oil pump and oil filter which extends its service life to at least twice of its working time.

\*\* The individual types of cutting discs are shown on page 10 in section compatible adaptors.

# TRITON MULCHERS

## Triton mulcher kit

### Common Features:

- 3 engines at choice
- 2 travel speeds (2.3 or 3.0 km/h)
- self-locking divided axle
- operating width 55 cm, guide wheels
- stainless steel body, central height adjustment
- max. hourly performance 1,650 m<sup>2</sup>/h
- stubble height 4-10 cm
- possibility of rebuilt into single or double disc mower and blade



The cover is part of the machine



DESIGNATION ORDER NO.	ENGINE	MOWING MECHANISM **	TRAVEL
<b>TRITON ENDURO MULCHER</b> 01233.242	Briggs&Stratton 850 I/C Series* 190 cc, 6.5 HP, cast iron cylinder, oil filter, oil pump	Stainless steel body, 55 cm operating width, central height adjustment, stubble height 4-10 cm	Two travel speed (2.3 or 3.0 km/h), self-locking divided axle, 400 mm wheels with V-shape tread pattern
<b>TRITON FJ MULCHER</b> 01233.243	Kawasaki FJ 180, 179 cc*, 5.5 HP, cast iron cylinder		
<b>TRITON GCVx</b> 01233.203	Honda GCVx200, 201 cc, 7.0 HP, cast iron cylinder		

## ENGINES

BRIGGS & STRATTON



## PROTECT YOUR ENGINE

from the dangers hidden in the fuel

Introducing you our new and improved FUEL FIT(R) fuel additive

- Protects against the corrosive effects of ethanol in fuel
- Extends the life of your engine
- Proven – Untreated fuel can cause poor engine performance

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PURCHASE A PRODUCT

BRIGGS & STRATTON

GIVE A POWER  
TO PEOPLE  
WITH MUSCULAR  
DYSTROPHY



MDA RIDE  
CZECH REPUBLIC

# PANTER – don't you adapt to the machine, adapt the machine to your requirements

Panter is a machine that incorporates all our expertise acquired up to this moment. It is a fully professional kit intended for small growers as well as professional gardeners requiring the most modern machines. Thanks to our effort you can attach a whole range of adaptors to one driving unit. This attribute makes the Panter machine usable throughout the year. You can cut the grass, mulch, rake and turn the hay, move the bulk material, remove the snow, transport loads, shred branches or brush away. Panter is simply a tireless machine intended for everyday use. The modular kit consists of the driving unit and the working adaptor. It enables to assemble many unique machines.



### The Panter kit has the following advantages:

- universal machine for professional use
- easy change of adaptors
- selection of several driving units
- much lower price than purchase, storage and maintenance of several single-purpose machines
- continuous development of new adaptors compatible with older driving units
- option to sit on a seat while cutting
- simple operation and maintenance
- high quality professional engines
- significant reduction of vibration due to the structural design of the frame and silent block mounting of the engine
- wide wheel gauge and low position of the mass centre for works on slopes
- height and side adjustable handlebars
- selection of 17 adaptors and other accessories compatible with Panter FD2 and FD2H driving units
- selection of 21 adaptors and other accessories compatible with Panter FD3eco and FD3-500
- Panter FD5 driving unit can cope even more because it can handle almost all field work

The drive unit is the mechanical heart of the machine. There are 5 models available. All the Panter driving units are fitted with Briggs&Stratton brand engines with a cast iron cylinder. The engines with aluminium cylinders are cheaper but their service life is half. The Briggs&Stratton 850 Series engines with the cast iron insert are labelled by I/C sign. The more powerful Powerbuilt engines are not manufactured at all in the aluminum version and they all have the cast iron cylinder. The basic PANTER FD2 model has a manual transmission and a fixed axle. Panter FD2H and FD3eco (both with reverse speed) offer more comfort thanks to fluent forward and reverse speed control and axles with differential and locking. Panter FD3-500 underlines this comfort with electric starting and the most powerful Powerbuilt 4145 single-cylinder vertical engine.

### Panter FD2 driving unit offers:

- drum and disc mowing
- blade mulching
- hay turning and raking
- soil ploughing and lawn aerating
- branch shredding
- load transporting
- snow sweeping and snow removal
- salt and artificial fertilizer spreading

Order No.: 01235.011



**Panter FD2H driving unit offers:**

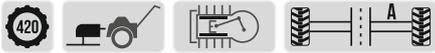
- drum and disc mowing
- blade mulching
- hay turning and raking
- soil ploughing and lawn aerating
- branch shredding
- load transporting
- snow sweeping and snow removal
- salt and artificial fertilizer spreading



**INNOVATION**  
UPGRADED ERGONOMIC  
LEVERS



Order No.: 01235.019


**SPECIAL ACCESSORIES  
FOR PANTER DRIVING UNITS  
FD2, FD2H cable chains**


- hardened pieces

Order No.: 10100.081

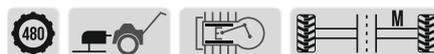


**NEW**

**Panter FD3eco driving unit offers:**

- blade and flail mulching
- soil ploughing and lawn aerating
- branch shredding
- drum and disc mower
- hay turning and raking
- load transporting
- snow sweeping and snow removal
- salt and artificial fertilizer spreading

Order No.: 01236.021




**Panter FD3-500 driving unit offers:**

- drum and disc mowing
- blade and flail mulching
- hay turning and raking
- soil ploughing and lawn aerating
- branch shredding
- load transporting
- snow sweeping and snow removal
- salt and artificial fertilizer spreading

Order No.: 01236.001


**SPECIAL ACCESSORIES FOR PANTER DRIVING UNITS**
**Axle extension**

for Panter FD3eco and FD3-500 driving unit



Wheel track with axle extension is 940 mm.

Order No.: 01236.003

**Double wheel**

for Panter FD3eco and FD3-500 driving unit



Wheel track with double wheels is 1,190 mm.

Order No.: 40000.0160

**Steel wheels**

for Panter FD3eco and FD3-500 driving unit



The wheel weight is 35 kg.

Order No.: 01236.100

**Cable chains**

for Panter FD3eco and FD3-500 driving unit



Hardened pieces

Order No.: 10100.082



**AVS – Anti-vibration system**  
for quieter operation

**Cast iron cylinder liner**  
for longer life

**Cartridge air filter**  
for protection against  
airborne impurities

**Magnetron electronic ignition**  
for easy starting



**SERIES 3  
SERIES 4  
PowerBuilt™**



**YOU.POWERED.**



**YOU.POWERED.**



**Panter FD5 driving unit**



**Panter FD5 driving unit offers:**

- soil ploughing, harrowing, lifting
- potatoes lifting
- drum and disc mowing
- blade and flail mulching
- hay turning and raking
- lawn aerating
- branch shredding
- load transporting
- snow sweeping and snow removal
- salt and artificial fertilizer spreading

Order No.: 01237.000



**OPTIONAL ACCESSORIES**

**PN1 - Front carrier for FD5**

Order No.: 01237.010



**ZN1 - Rear carrier for FD5**

Order No.: 01237.015



**Towing ball**

Order No.: 01237.040



**ON1 - Carriers control levers for FD5**

Order No.: 01237.020



**Set of weights for FD5 wheels (2 x 12,5kg)**

Order No.: 01237.030



**Set of weights for rear hitch (25kg)**

Order No.: 01237.035

## PLOWING AND FIELD WORKS WITH PANTER FD5

If you need a powerful helper that plows as well as mows then the Panter FD5 could be the right choice for you.

### PANTER FD5 kit has the following advantages:

- Panter FD5 is designed as a modular machine which has a number of functions according to customer needs
- while working with this machine you sit to save a lot of effort compared to a hand-guided device
- driving a tractor is a fun and can be done by anyone who can drive a car
- the machine is fitted by a powerful 4-stroke Briggs&Stratton Powerbuilt Series 4145 with a maximum output of 15.5 HP
- optimal use of power is ensured by a hydrostatic gearbox with additional cooling developed by our company
- there is a single slide control of speed up to 10 km/h forwards and backwards
- an excellent traction of the machine is ensured by a manually operated differential with locking and quality tires with a V-shaped pattern made by MITAS company
- a special additional cooling system with a pump keeps the oil in the hydraulic gearbox at operating temperature even under larger and longer-lasting loads
- a front-mounted work tool puts very low resistance when overcoming terrain unevenness thanks to multiple joints suspension with adjustable relief
- a rear tool is connected directly or via the adjusting body designed for the single-axle small tractors
- the possibility of using an older adjusting bodies and ploughs from previous machine model
- the front and rear hinges are height-adjustable from the operator's position
- comfort during operation is ensured by a sprung industrial seat with adjustable rigidity, longitudinal setting and the possibility of tilting the backrest



**Adjustment body**

Order No.: 141042



**Single sided ploughshare PJ 180**

Order No.: 141045



**Potatoes lifting ploughshare**

Order No.: 141019



**PANTER FD5**



**Supporting wheel**

Order No.: 01237.025



**Harrows BR 122**

Order No.: 01237.050



**Lister ploughshare**

Order No.: 01237.045

DRIVING UNIT	PANTER FD2	PANTER FD2H	PANTER FD3eco	PANTER FD3-500	PANTER FD5
ORDER NO.	01235.011	01235.019	01236.021	01236.001	01237.000
ENGINE	Briggs&Stratton 850 I/C Series		Briggs&Stratton Powerbuilt Series 3125	Briggs&Stratton Powerbuilt Series 4145	
ENGINE OUTPUT [HP]	6.5 HP (4.8kW) at 3,600 rpm 5.0 HP (3.7kW) at 3,060 rpm		13.2 HP (9.7kW) at 3,600 rpm	15.5 HP (11.3kW) at 3,600 rpm	
TORQUE [Nm]	11.5 Nm at 3,060 rpm		25.7 Nm at 3,600 rpm	30.2 Nm at 3,600 rpm	
ENGINE CAPACITY [cc]	190		344	500	
ENGINE CONSTRUCTION	Air cooled spark-ignition 4-stroke engine with valve distribution OHV and cast iron cylinder				
STARTING	Manual, ReadyStart		Manual	Independent manual and electric start	
OTHER	Oil pump, oil filter, engine fixing on silent-blocks, high and side adjustable handlebars without using any tools		Engine fixing on silent-blocks, high and side adjustable handlebars without using any tools	12V battery, light, engine fixing on silent-blocks, high and side adjustable handlebars without using any tools	12V battery, lights, oil temperature indicator, seat rigidity adjustment, electronic machine's securing, parking brake
FUEL TANK CAPACITY [l]	1.1		2.6		7.5
NUMBER OF SPEEDS	3 speeds (2.1 x 3.0 x 4.4 km/h)	Single slide control of speed forward (0÷6 km/h) and back (0÷3 km/h)	Single slide control of speed forward (0÷8 km/h) and back (0÷4 km/h)		Single slide control of speed forward (0÷10 km/h) and back (0÷10 km/h)
REVERSE SPEED	No		Yes		
METHOD OF GEARING	By changing of the V-belt's position in the groove on the pulley	The control lever on handlebars (it is possible to change the speed during operation)			The foot pedal (it is possible to change the speed during operation)
POWER TRANSMISSION	TOS worm gearbox with hardened, grinded worm and bronze wheel + chain gearing	Tufftorq K46DE Hydrostatic gearbox	Tufftorq K46 Hydrostatic gearbox		Tufftorq K62 Hydrostatic gearbox with additional oil cooler, strengthened half-shaft 25.4 mm
AXLETREE	Solid	Differential with automatic locking	Differential with automatic locking (controlled from handlebars)		Front – swinging with ridge gearing Rear – differential with locking (controlled by pedal)
WHEELS	Blown 420 mm wheels with V-shaped tread pattern		Blown 480 mm wheels with V-shaped tread pattern		Fblown wheels with V-shaped tread pattern Front diameter 425 mm Rear diameter 512 mm
WHEELS TRACK [mm]	650 nebo 680	670	760		890
WEIGHT [kg]	52	64	108	120	215 – Basic model 256 – Completely equipped model without weights 25 – Wheels weight 25 – Weight of rear hitch
FRONT CARRIER FOR WORKING ADAPTORS	Yes				Additional equipment
REAR HITCH	Yes, shackle for the trailer or seat attachment				Trailer's hitch included Two-point hitch as additional equipment
ADAPTORS LIFTING					Additional equipment (controlled from the operator's position)



Panter FD2



Panter FD2H



Panter FD3eco



Panter FD3-500

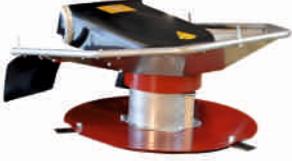


Panter FD5

## COMPATIBLE ADAPTORS

If you are ordering an adaptor only do not forget to state the type of your driving unit.

**RZS70K One-drum mower**  
with the protective cover included



**RZS121 Two-drum mower**  
with the protective cover included



**DZS125 Disc mower**



**MC100 and MC70 Flail mowers**



**M70 One-blade mulcher**



**M121 Two-blade mulcher**



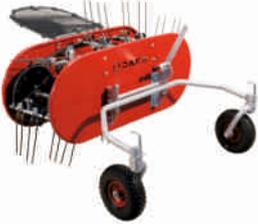
**DV70 Branch crusher**



**ROT Rotary cultivator & VERTI Aerator**



**OP114 Haymaker**



**SB110 Sweeping brush**



**RAP85 & RAP100 Snow blade**



**SF70 Snow blower**



**Steerable cart compatible with extensions for wood, bulk material or garden crates**



**Cart (HV 220/S, IT500 etc.)**



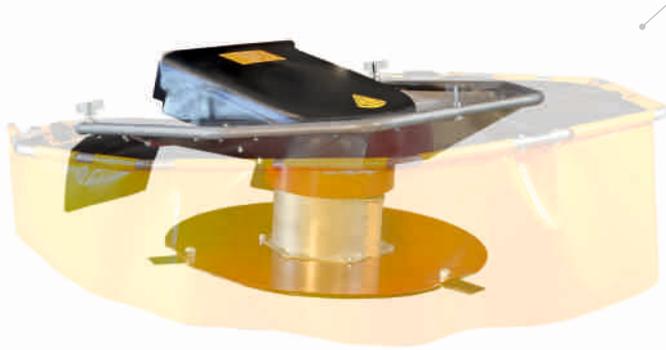
and more...

DRIVING UNIT	FD2	FD2H	FD3eco	FD3-500	FD5
RZS70K ONE DRUM MOWER	Yes	Yes	Yes	Yes	No
DZS125 FOUR-DISC MOWER	Yes	Yes	Yes	Yes	Yes
RZS121 TWO-DRUM MOWER	No	No	Yes	Yes	Yes
BP SEAT	Yes	Yes	Yes	Yes	No
BPR STEERABLE SEAT	No	No	Yes	Yes	No
BPR 2 STEERABLE SEAT	Yes	Yes	No	No	No
M70 MULCHER	Yes	Yes	Yes	Yes	Yes
M70 MULCHER	No	Yes	Yes	Yes	Yes
M121 MULCHER	No	No	Yes	Yes	Yes
MC100 FLAIL MOWER	No	No	Yes	Yes	Yes
MC70 FLAIL MOWER	No	No	Yes	Yes	Yes
OP114 HAYMAKER	Yes	Yes	Yes	Yes	Yes
SF70 SNOW BLOWER	Yes	Yes	Yes	Yes	Yes
RAP85 BLADE	Yes	Yes	Yes	Yes	No
RAP100 BLADE	Yes	Yes	Yes	Yes	Yes
DV70 BRANCH CRUSHCER	Yes	Yes	Yes	Yes	No
VD100 CART	Yes	Yes	Yes	Yes	No
KOR220 CHASSIS	Yes	Yes	Yes	Yes	No
BODIES FOR KOR220 CHASSIS	Yes	Yes	Yes	Yes	No
VARES HV 220/S CART with 220 kg load capacity	Yes	Yes	Yes	Yes	No
VD400 CART with 400 kg load capacity	No	No	No	No	Yes
SB110 CYLINDRICAL BRUSH	Yes	Yes	Yes	Yes	Yes
ROT ROTARY CULTIVATOR	Yes	Yes	Yes	Yes	Yes
VERTI AERATOR	Yes	Yes	Yes	Yes	Yes
PLOUGH, HARROWS, LIFTING OR LISTER PLOUGHSHARE	No	No	No	No	Yes

With the RZS70K mower you can mow both low and overgrown grass. The RZS70K drum mower with adjustable cutting height is designed so that it is possible to work with it in 3 levels of adjustment. Because of the variety of compositions and features of grasslands it is very useful to change height setting during time. When mowing on a soft surface, the bottom slider gets lower and too low stubble can lead to damage of the vegetation. When you leave high stubble it is very difficult then to mow laid grass which causes difficulties in raking. The adjustable slider with a diameter of 480 mm ensures excellent copying of the terrain in all cases. The mowing height adjustment function brings real benefits to customers. The design of the rotor prevents grass winding, saves engine power and extends the interval for bearing replacement. The cutting disc is made of steel and it is reinforced in the place of the blades fixing. At the bottom there is a pivot slider on 2 bearings which allows access to the blades for their replacing, grinding, cleaning, etc. The exposed bolts on the blades help to mow the laid grass. The price includes a top and a side safety covers prevent the particles flying away.

### RZS70K drum-mower with protection cover included

- operating width 69 cm
- unique solution of the cutting height adjustment protected by a utility model
- suitable for mowing of high as well as low grass
- the mower leaves the cut grass on the right side in the line
- 3 levels of stubble height adjustment (2.5-4.5 cm on average)
- protective cover meets the Standard EN 12733
- steel slider on ball bearings
- four-blade disc as an option
- disc with tongues as an option
- compatibility with Panter FD2, FD2H, FD3eco, FD3-500 driving units



Order No.: 01235.321



### SPECIAL ACCESSORIES

#### Disc with tongues

A special design of the tongue makes disc's lifetime longer. The blade will hide after hits an obstacle and the force is distributed on fixing.



Order No.: 01235.022

# SETS OF PANTER DRIVING UNITS WITH RZS70K MOWER

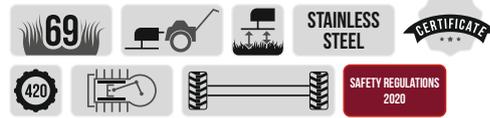


**FD2 + RZS70K**



**FD2 + RZS70K**

It is the basic Panter model. The mower is intended in demanding and hilly terrain. On the plains and gentle slopes it has satisfactory output. It is also strength enough to attach a compatible seat which makes the operating more comfortable. There are more than 15 compatible adaptors (please see the page 21).

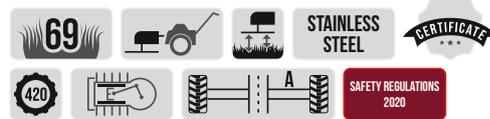


**FD2H + RZS70K**



**FD2H + RZS70K**

It is a modular drum mower with hydrostatic gearbox and single slide control of speed forward and reverse. The axle with differential and automatic locking makes the operating around obstacles, crossing the asphalt roads, etc. easier. You can also ride on the seat while working. There are more than 15 compatible adaptors (please see the page 21).

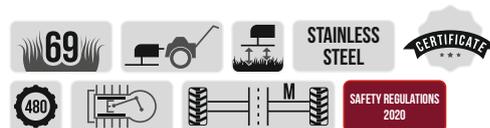


**FD3eco + RZS70K**



**FD3eco + RZS70K**

The RZS70K mower in connection with the Panter FD3eco driving unit is our strongest one-drum mower. The machine is simply controllable thanks to classic solution of the differential with manual locking which gives you control over the wheels and the machine direction. You can also ride on the seat while working. There are more than 20 compatible adaptors (please see the page 21).



DESIGNATION ORDER NO.	ENGINE	MOWING MECHANISM	TRAVEL
<b>FD2 + RZS70K</b> 01235.001	Briggs&Stratton 850 I/C Series 190 cc, 6.5 HP, cast iron cylinder, oil filter, oil pump	Disc with steel slider, 3 blades, adjustable stubble height 2.5 - 4.5 cm, operating width 69 cm, standard protective cover	Three travel speeds (2.1 x 3.0 x 4.4 km/h), solid axle, 420 mm wheel with V-shaped tread pattern
<b>FD2H + RZS70K</b> 01235.029			Single slide control of speed forward and back (forward 0-6 km/h, back 0-3 km/h), differential with automatic locking, 420 mm wheels with V-shaped tread pattern
<b>FD3eco + RZS70K</b> 01236.021 + 01235.321	Briggs&Stratton Powerbuilt Series 3125, 344 cc, 13.2 HP, cast iron cylinder, electric start	Disc with steel slider, 3 blades, adjustable stubble height 2.5 - 4.5 cm, operating width 69 cm, standard protective cover	Single slide control of speed forward and back (forward 0-8 km/h, back 0-4 km/h), differential with locking, 480 mm wheels with V-shaped tread pattern
<b>FD3-500 + RZS70K</b> 01236.001 + 01235.321	Briggs&Stratton Powerbuilt Series 4145, 500 cc, 15.5 HP, cast iron cylinder, electric start		Single slide control of speed forward and back (forward 0-8 km/h, back 0-4 km/h), differential with locking, 480 mm wheels with V-shaped tread pattern



The RZS121 double-drum mower can cope with low as well as very tall grass. The mower has 2 cutting discs which rotate opposite each other and leave the mow in one row. The blades routes on both plates overlap. Their timing is secured by the gearbox and chains which ensures the blades to not collide. The grass is pulled into a row under the machine so there is no risk of clogging the cutting mechanism. In connection with the Panter driving unit, this machine offers the most powerful combination for the mowing of large areas such as meadows and pastures. The mowing drums have steel all-over sliders. Each drum has two robust rotating blades which are especially hardened to be hard enough but not fragile at the same time. This machine with no limits is able to mow even overgrown lands which were not maintained for many years. Well-trimmed stubble is a matter of course. The adaptor RZS121 is swinging so copies the terrain unevenness. The adaptor includes the protection cover with the top mesh which prevents the particles flying away and at the same time it enables the monitoring of the mowed surface.



**RZS121**  
two-drum mower

**RZS121 two-drum mower  
with protection cover included**

- operating width 121 cm
- suitable for mowing of high as well as low grass
- the grass is pulled in between the drums into a line
- protection cover included in price
- steel sliders with ball bearings
- transport wheel and steerable seat as optional extras which allow to lift the adaptor during crossing with Panter FD3eco and FD3-500 driving unit
- compatibility with Panter FD3eco, FD3-500 and FD5 driving units

Order No.: 01236.010



**SPECIAL ACCESSORIES**

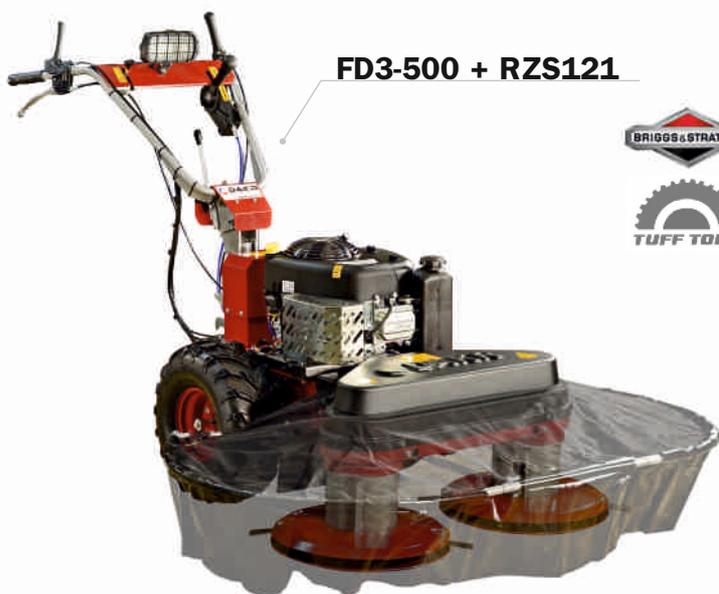
**TK121 Transport wheel**



Order No.: 01236.011



# SETS OF PANTER DRIVING UNITS WITH RZS121 MOWER

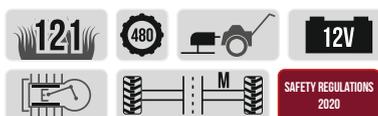


**FD3-500 + RZS121**



**FD3-500 + RZS121**

RZS121 mower in connection with Panter FD3-500 mows high as well as the low grass on hardly accessible areas. The machine excels in powerful 4-stroke engine Briggs&Stratton Powerbuilt. This type of cutting mechanism prevents from clogging. While cutting on slopes you can extend the axle, on waterlogged areas you can attach the double wheels and on the plains you can use a steerable seat. There are more than 20 adaptors. Check the compatibility on page 21. Thanks to the hydrostatic gearbox the driving unit has the single slide control of speed forward and backward.

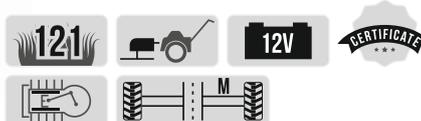


**FD5 + RZS121**



**FD5 + RZS121**

If you need powerful machine which ploughs as well as mows so there is a Panter FD5 driving unit which is the best choice for you. You can seat while working so you spare more energy in compare with behind walking machines. The machine is environmentally friendly and suitable for use in protected landscape. The connected adaptor RZS121 two-drum mower mows low as well as high grass. There is a possibility to lift the adaptor from the operator's position. The machine has also an electronic security feature. You will find more technical information and details regarding the compatibility on page 21.



**A standard protective cover is a component of the adaptor**

DESIGNATION ORDER NO.	ENGINE	MOWING MECHANISM	TRAVEL
<b>FD3eco + RZS121</b> 01236.022	Briggs&Stratton Powerbuilt Series 3125, 344 cc, 13.2 HP, cast iron cylinder	Two double discs with all-over sliders underneath, the blades timing by gearbox and chains not to meet, 2 blades on each disc, stubble height 3.5 cm, operating width 121 cm, protective cover, swing mounting of the adaptor, option to buy a transport wheel for crossings	Single slide control of speed forward and back (forward 0-8 km/h, back 0-4 km/h), differential with locking, 480 mm wheels with V-shaped tread pattern
<b>FD3-500 + RZS121</b> 01236.006			
<b>FD5 + RZS121</b> 01237.000 + 01237.010 + 01237.020 + 01236.010	Briggs&Stratton Powerbuilt Series 4145, 500 cc, 15.5 HP, cast iron cylinder, electric start		Single slide control of speed forward and back (0-10 km/h), rear driven axle with differential and locking, wheels with V-shaped tread pattern with diameter 512 mm, TUFFTORQ K62 hydrostatic gearbox with auxiliary oil cooler, strengthened half-axis 25.4 mm



The DZS125 four-disc mower is developed by our company and it is compatible with the Panter FD2, FD2H, FD3eco, FD3-500 and FD5 driving units. This machine is protected by European industrial patent and utility designs. We are one and only producer of the disc single axis mowing machine. It includes the disc mower which due to the exceptionally low resistance during mowing enables the operating width of 125 cm even with 6.5 HP engine. DZS125 combines the advantages of the bar and rotary mowing. The mowing is provided by four blades sharpened on both sides fitted with shear pins and driven by chain in the oil tank. The shear pins protect the gear from damage in case of impact to any objects (for example the tube, stump etc.). In case the molehills appear, the mower passes without any defects. The overlapping of the blades is designed to correspond with the travel speed and the disc cutting speed. This machine is designed for cutting of large maintained meadows for the purposes of hay drying. The stubble height can be set within 2-5 cm, the bar is tilting. The mowed grass is not thrown everywhere but it falls and stays behind the machine, spread within the whole mow width. It is not necessary to spread grass before to drying. The grass seeds are not released.



### DZS125 Four-disc mower

- operating width 125 cm
- it carefully mows high grass for hay
- the mower spreads the grass almost in its total width
- the blades timing is by chains gearing placed in an airtight oil bin
- transport wheel and steerable seat as optional extras which allow to lift the adaptor during crossing with Panter FD3eco and FD3-500 driving unit.
- compatibility with Panter FD2, FD2H, FD3eco, FD3-500 and FD5 driving units

Order No.: 01236.015



### SPECIAL ACCESSORIES

#### TK121 Transport wheel



Order No.: 01236.012



# SETS OF PANTER DRIVING UNITS WITH DZS125 MOWER

## FD2H + DZS125

### FD2H + DZS125

The FD2H driving unit with DZS125 disc mower makes an unique, modern and cultivated machine. During the development we put stress especially on high performance and quality in grass spreading which is important to dry fast and fine. The mower is designed for regular mowing of grass up to 80 cm. It is possible to control the travel speed on minimum in case the grass is dense and overgrown or move the machine back not to clog up the cutting mechanism. There are more than 15 compatible adaptors. Check the compatibility on page 21.



## FD3-500 + DZS125

### FD3-500 + DZS125

The FD3 driving unit in connection with DZS125 four-disc mower offers one of the most powerful disc mowers with the largest operating width in our product range. Thanks to extraordinarily low resistance while mowing, the machine has low consumption of fuel. While cutting on slopes you can extend the axle, on waterlogged areas you can attach the double wheels and on the plains you can use a steerable seat. There are more than 20 adaptors. Check the compatibility on page 21. Thanks to the hydrostatic gearbox the driving unit has the single slide control of speed forward and backward too. The machine is driven by 4-stroke profi Briggs&Stratton Powerbuilt engine.



## FD5 + DZS125

### FD5 + DZS125

If you need powerful machine which ploughs as well as mows so there is FD5 Panter driving unit which is the best choice for you. You can seat while working so you spare more energy in compare with behind walking machines. The machine is environmentally friendly and suitable for use in protected landscape. The connected adaptor DZS125 four-disc mower carefully spreads the grass to be appropriate to make hay. It is possible to lift the adaptor from the operator's position. The machine has also an electronic security feature. You will find more technical information and details regarding the compatibility on page 21.



DESIGNATION ORDER NO.	ENGINE	MOWING MECHANISM	TRAVEL
<b>FD2 + DZS125</b> 01236.016	Briggs&Stratton 850 I/C Series, 190 cc, 6.5 HP, cast iron cylinder, oil filter, oil pump	Four-disc cutting mechanism, chain timing, protection against overload by shear pins, adjustable stubble height 2-5 cm, operating width 125 cm, swing mounting of the adaptor, option to buy a transport wheel for crossings	Three travel speeds (2.1 x 3.0 x 4.4 km/h), solid axle, 420 mm wheels with V-shaped tread pattern
<b>FD2H + DZS125</b> 01236.013			Single slide control of speed forward and back (forward 0-6 km/h, back 0-3 km/h), differential with automatic locking, 420 mm wheels with V-shaped tread pattern
<b>FD3eco + DZS125</b> 01236.021 + 01236.015	Briggs&Stratton Powerbuilt Series 3125, 344 cc, 13.2 HP, cast iron cylinder	Four-disc cutting mechanism, chain timing, protection against overload by shear pins, adjustable stubble height 2-5 cm, operating width 125 cm, swing mounting of the adaptor, option to buy a transport wheel for crossings	Single slide control of speed forward and back (forward 0-8 km/h, back 0-4 km/h), differential with locking, 480 mm wheels with V-shaped tread pattern
<b>FD3-500 + DZS125</b> 01236.001 + 01236.015	Briggs&Stratton Powerbuilt Series 4145, 500 cc, 15.5 HP, cast iron cylinder, electric start		Single slide control of speed forward and back (0-10 km/h), rear driven axle with differential and locking, wheels with V-shaped tread pattern with diameter 512 mm, TUFFTORQ K62 hydrostatic gearbox with auxiliary oil cooler, strengthened half-axis 25.4 mm
<b>FD5 + DZS125</b> 01237.000 + 01237.010 + 01237.020 + 01236.015			



## MULCHING

M70 single blade mulching machine with stainless covering has 71 cm operating width. It is equipped with special covered rotor with large diameter which decreases resistance during mulching, spares engine output and provides high protection of the bearings. This rotor's solution is protected by utility design. The adaptor is compatible with the all Panter driving units. Thanks to low weight it is easily controllable machine with high performance which suits for yearlong mulching around the cottages, on the meadows, in the orchards, for reeds mulching around the ponds etc. The height setting is done centrally by lever and it is quick and easy.



### M70 Mulcher

- operating width 71 cm
- mowing by means of special mulching blade
- central adjustment of the stubble height (4-12 cm)
- compatibility with Panter FD2, FD2H, FD3eco, FD3-500 and FD5 driving units

Order No.: 01235.052  
for FD2, FD2H

Order No.: 01235.053  
for FD3eco, FD3-500, FD5

If you are ordering only the adaptor don't forget to state the type of your driving unit.



## SETS OF PANTER DRIVING UNITS WITH M70 MULCHER



### FD2 + M70

### FD2 + M70

It is the basic set with mulcher suitable for demanding, hilly terrain. The machine is powerful and solid enough to be the seat attach while working on flat lands or gentle slopes. There are more than 15 compatible adaptors. Check the compatibility on page 21.




**FD2H + M70**

**FD2H + M70**

The machine is a modular mulcher with hydrostatic gearbox and single slide control of speed forward and back too. The axle with differential and automatic locking makes the operation easier while go around any obstacles, crossing the roads etc. You can attach the seat while operate the machine. There are more than 15 compatible adaptors. Check the compatibility on page 21.


**FD3eco + M70**

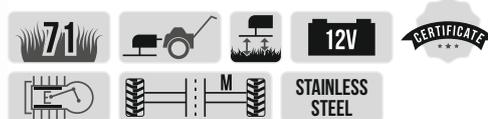
**FD3eco + M70**

The FD3eco driving unit in connection with M70 mulcher offers one of the most powerful rotary mulcher. The machine has extraordinarily powerful engine and can be operated very easily thanks to commonly designed differential with manually operated locking so you have the wheels engagement as well as the machine's direction under control. There are more than 20 compatible adaptors. Check the compatibility on page 21.


**FD5 + M70**

**FD5 + M70**

If you need powerful machine which plows as well as mows so there is the Panter FD5 driving unit which is the best choice for you. You can seat while working so you spare more energy in compare with behind walking machines. The machine is environmentally friendly and suitable for use in protected landscape. The connected adaptor M70 mulcher cuts the grass several times. It is possible to lift the adaptor from the operator's position. The machine has also an electronic security feature. You will find more technical information and details regarding the compatibility on page 21.



DESIGNATION ORDER NO.	ENGINE	MULCHING MECHANISM	TRAVEL
<b>FD2 + M70</b> 01235.011 + 01235.052	Briggs&Stratton 850 I/C Series, 190 cc, 6.5 HP, cast iron cylinder, oil filter, oil pump	Stainless steel covering, 71 cm operating width, central height setting (4-12 cm)	Three travel speeds (2.1 x 3.0 x 4.4 km/h), solid axle, 420 mm wheels with V-shaped tread pattern
<b>FD2H + M70</b> 01235.019 + 01235.052			Single slide control of speed forward and back (forward 0-6 km/h, back 0-3 km/h), differential with automatic locking, 420 mm wheels with V-shaped tread pattern
<b>FD3eco + M70</b> 01236.021 + 01235.053	Briggs&Stratton Powerbuilt Series 3125, 344 cc, 13.2 HP, cast iron cylinder		Single slide control of speed forward and back (forward 0-8 km/h, back 0-4 km/h), differential with locking, 480 mm wheels with V-shaped tread pattern
<b>FD3-500 + M70</b> 01236.001 + 01235.053	Briggs&Stratton Powerbuilt Series 4145, 500 cc, 15.5 HP, cast iron cylinder, electric start		
<b>FD5 + M70</b> 01237.000 + 01237.010 + 01237.020+ 01235.053			Single slide control of speed forward and back (0-10 km/h), rear driven axle with differential and locking, wheels with V-shaped tread pattern with diameter 512 mm, TUFFTORQ K62 hydrostatic gearbox with auxiliary oil cooler, strengthened half-axis 25.4 mm

## M121 Two-blade mulcher

The two-blade M121 mulcher is compatible with the Panter FD3eco, FD3-500 and FD5 driving units and together make high-performance machine with 121 cm operating width so it suits for large maintained areas. Two rotors with specially shaped blades carry out the mulching. The blade timing is provided by means of chains in order to ensure overlapping blade's routes. The stubble height is set by axle height setting. All the grass is crushed in small pieces. If you mulch 3 times per year you won't rake anything. Good combination is also to mow once and mulch the next time (mow the first grass from June to July, make hay and mulch the second grass). It is up to you how you decide to maintain your grass areas.



### M121 Two-blade mulcher

- operating width 121 cm
- mowing by means of 2 special mulching blades
- mowing device driven by the V-belt mechanism and pair of chains
- swinging attachment of the adaptor copying the terrain
- central height adjustment of the stubble height (3-10 cm) it leaves the stubble such as garden tractors
- compatibility with Panter FD3eco, FD3-500 and FD5 driving units

Order No.: 01236.005



DESIGNATION ORDER NO.	ENGINE	MULCHING MECHANISM	TRAVEL
<b>FD3eco + M121</b> 01236.021 + 01236.005	Briggs&Stratton Powerbuilt Series 3125, 344 cc, 13.2 HP, cast iron cylinder	Mulching by means of 2 special mulching blades, operating width 121 cm, adjustable stubble height 3-10 cm	Single slide control of speed forward and back (forward 0-8 km/h, back 0-4 km/h), differential with locking, 480 mm wheels with V-shaped tread pattern
<b>FD3-500 + M121</b> 01236.001 + 01236.005	Briggs&Stratton Powerbuilt Series 4145, 500 cc, 15.5 HP, cast iron cylinder, electric start		
<b>FD5 + M121</b> 01237.000 + 01237.010 + 01237.020 + 01236.005			Single slide control of speed forward and back (0-10 km/h), rear driven axle with differential and locking, wheels with V-shaped tread pattern with diameter 512 mm, TUFFTORQ K62 hydrostatic gearbox with auxiliary oil cooler, strengthened half-axis 25.4 mm



PANTER MULCHERS



## MULCHING

MC100 flail mower is designed for most demanding conditions. The machine manages to mulch grass higher than 1 m. It better resists to impacts to various stones and other solid obstacles than other types of mowers and mulching machines. It also handles the mulching of natural seeding bushes. The mowing equipment consists of horizontal rotor with 36 oscillating special blades. The stubble height can be set within 3-12 cm by means of the travel roller adjustment. The MC100 mulching machine remains after connection with the driving unit (FD3eco, FD3-500, FD5) horizontally tilting. It copies the terrain unevenness and it is sufficiently stable even in the hilly terrain. The mowing device is covered in steel sheet metal which minimizes the option of flying off stones, wood and other objects which can occur in the mowing area.

We offer also the flail mower with a narrower operating width of 70 cm. The MC70 mulcher is adapted for use in forestry.

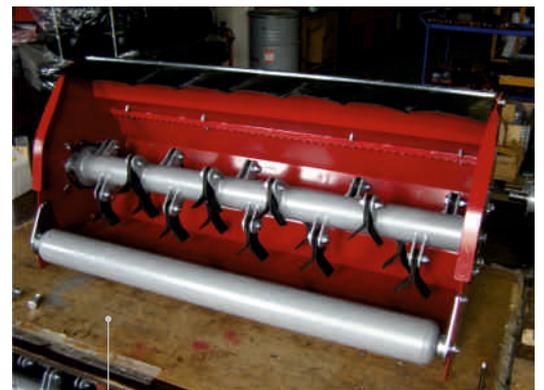


### MC100 Flail mower

- operating width 100 cm
- the mower crushes the grass into very small pieces which remain evenly on the ground in the entire width of the mow.
- mowing by means of 36 special oscillating blades (18Y)
- mowing device driven by the cone gearbox and V-belt
- swinging connection of the adaptor copying the terrain
- stubble height setting (3-12 cm) by means of travel roller adjustment
- balanced shaft
- compatibility with Panter FD3eco, FD3-500 and FD5 driving units
- it copes with a year old vegetation and natural seeding

**100** Order No.: 01236.008

**70** Order No.: 01236.025

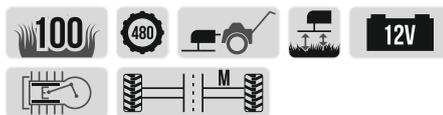


The each rotor is dynamically balanced at working revolutions.

## SETS OF PANTER DRIVING UNITS WITH MC100 MULCHER



**FD3-500 + MC100**

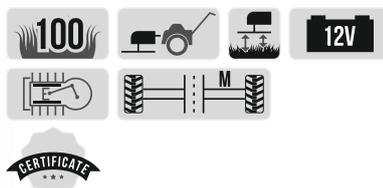


### FD3-500 + MC100

The machine is a modular mulcher designed for the most demanding lands. The cutting mechanism crushes the grass into small pieces which remain on the ground. Its advantage is hardness. It is able to face collisions in fixed obstacles and copes with unmaintained areas so it is very popular with municipalities. The mulcher has a hydrostatic gearbox with a single slide control of speed forward and back too. You have the wheels engagement as well as the machine's direction under control. While cutting on slopes you can extend the axle, on waterlogged areas you can attach the double wheels and on the plains you can use a steerable seat. There are more than 20 adaptors. Check the compatibility on page 21.



**FD5 + MC100**



### FD5 + MC100

If you need powerful machine which plows as well as mows so there is the Panter FD5 driving unit which is the best choice for you.

You can seat while working so you spare more energy in compare with behind walking machines. The machine is environmentally friendly and suitable for use in protected landscape. The connected adaptor MC100 mulcher crushes the cover so it is not necessary to rake and take grass away. It is possible to lift the adaptor from the operator's position. The machine has also an electronic security feature. You will find more technical information and details regarding the compatibility on page 21.

DESIGNATION ORDER NO.	ENGINE	MULCHING MECHANISM	TRAVEL
<b>FD3eco + MC100</b> 01236.021 + 01236.008	Briggs&Stratton Powerbuilt Series 3125, 344 cc, 13.2 HP, cast iron cylinder		Single slide control of speed forward and back (forward 0-8 km/h, back 0-4 km/h), differential with locking, 480 mm wheels with V-shaped tread pattern, wheel track 760 mm
<b>FD3-500 + MC100</b> 01236.001 + 01236.008	Briggs&Stratton Powerbuilt Series 4145, 500 cc, 15.5 HP, cast iron cylinder, electric start	Mowing by means of 36 special oscillating blades (18Y), mowing device drive by the cone gear and V-belt, adjustable stubble height 3-12 cm, operating width 100 cm, swing mounting of the adaptor	
<b>FD5 + MC100</b> 01237.000 + 01237.010 + 01237.020 + 01236.008			Single slide control of speed forward and back (0-10 km/h), rear driven axle with differential and locking, wheels with V-shaped tread pattern with diameter 512 mm, TUFFTORQ K62 hydrostatic gearbox with auxiliary oil cooler, strengthened half-axis 25.4 mm



## SEAT

The seats connected to the mowers intended for high grass are designed for work on large, flat and mildly sloping land. People do not realize that mowing 1 hectare of meadow with smaller machines with real operating width 50 cm means walking at least 20 kilometres. More powerful machine with bigger operating width with the seat attached enables cutting faster and you will also achieve higher hourly rate of the cutting performance. When the mower operator walks behind the machine and works several hours a day, the operating speed is about 3-5 km/h. If you connect the seat and sit during mowing, you can work with travel speed 5-10 km/h. There are 3 types of seats compatible with the modular Panter driving units.

### BP Seat

- suitable for work on flat land and in the slope up to 5°
- max. seat capacity 100 kg
- practical basket for canister with petrol
- possibility of towing bar extension
- compatibility with Panter FD2, FD2H, FD3eco and FD3-500 driving units

Order No.: 01235.090



### BPR steerable seat

- unique solution of turning which requires minimum force
- protected with utility design
- controlled rear axle, turning by means of handlebars of the driving unit
- suitable for use on plains and slight slopes up to 10°
- max. seat capacity 130 kg
- springs by means of shock absorber
- pedal for adaptor lifting during crossing (instead of the guide wheel)
- practical basket for canister with petrol
- compatibility with Panter FD3eco and FD3-500 driving units



Order No.: 01235.091

### BPR 2 steerable seat

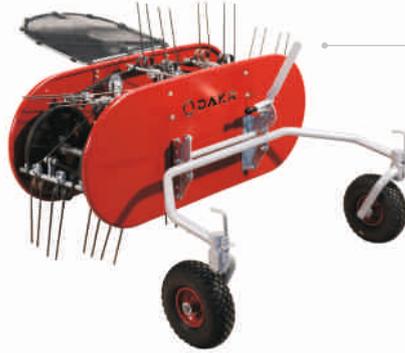
- unique solution of turning which requires minimum force
- protected with utility design
- suitable for use on plains and slight slopes up to 5°
- max. seat capacity 110 kg
- controlled rear axle, turning by means of two pedals
- practical basket for canister with petrol
- compatibility with Panter FD2, FD2H driving units



Order No.: 01235.092

## TURNING AND RAKING

The adaptor is required by the owners of high grass mower. You can use it for hay turning and grass raking too. With the adaptor it is possible to rake out even the hay which is already grown through with new grass.



### OP114 Hay turner

- operating width 90 cm
- tedding and raking of the grass and hay
- 5 position of height adjustment
- pivoting axle with blown wheels
- lockable wheels for straight ride
- compatibility with Panter FD2, FD2H, FD3eco, FD3-500 and FD5 driving units



Order No.: 01235.180

## GARDEN WORKS

### Branch shredding

You can shred all the branches with diameter up to 4.5 cm directly in the forest, vineyards or in the garden without need of electricity. Thanks to the special shape of the chimney you can shred also ramified branches. The crushed waste is convenient use for mulching, composting or as fuel.



### DV70 Branch crusher

- shredding up to 4.5 cm diameter
- suitable for fresh as well for dry branches
- compatibility with Panter FD2, FD2H, FD3eco and FD3-500 driving units
- it can manage 0.25 m3 /hour



Order No.: 01235.082

### Aeration

It is necessary to aerate the lawns after the winter to remove felted remains of grass, weeds, moss etc. which makes the land better and it can absorb more nutrients and moisture especially.

### VERTI Aerator

- operating width 70 cm
- hardened blades made of spring steel
- gear by means of worm gearbox
- gearbox with grounded worm and bronze wheel made by TOS Znojmo company
- compatibility with Panter FD2, FD2H, FD3eco, FD3-500 and FD5 driving units

Order No.: 01235.135



## SPECIAL ACCESSORIES

### Aerator's blades assembly compatible with the ROT rotary cultivator

Order No.: 01235.137



### Cultivation

The rotavator is a great helper during spring as well as in autumn. At the beginning of the season, it prepares beds for levelling during the finishing works in the gardens.

### ROT Rotary cultivator

- operating width 80 cm
- gear by means of worm gearbox
- gearbox with grounded worm and bronze wheel made by TOS Znojmo company
- a weight and a blade are components of the cultivator
- compatibility with the aerator
- compatibility with Panter FD2, FD2H, FD3eco, FD3-500 and FD5 driving units



Order No.: 01235.130



## LOAD TRANSPORT

You can use our driving unit for mowing, grass raking, mulching, snow removal and many other activities. With Vares trailers you can transport grass, hay or various building materials. A technical certificate can be issued for the trailer which entitles the owner of the kit to drive on the defined road legally.



### Vares HV 220/S Trailer

- removable front side, dumping with the locking
- parking and driving brake
- blown wheels with the terrain design
- technical certificate for using on public roads as option
- compatibility with Panter FD2, FD2H, FD3eco and FD3-500 driving units



Order No.: 140130

### Vares IT 500 Profi Trailer

- removable front side, dumping with the locking
- parking and driving brake
- blown wheels with the terrain design
- technical certificate for using on public roads as option
- compatibility with Panter FD2, FD2H, FD3eco and FD3-500 driving units



Order No.: 140155

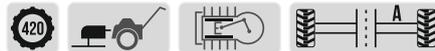


## SETS OF PANTER DRIVING UNITS WITH TRAILER

### FD2H with HV 220/S



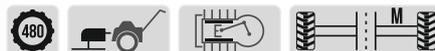
The set of the trailer with this driving unit excels in simple operation. With the lever on the handlebars you can regulate the forward and reverse speed while driving. The engine is fitted in the machine frame on silent blocks which eliminates unwanted vibrations on the handles. Thanks to the axle with differential and automatic locking the machine provides great traction and easy turning. Safety is always on the first place so the drive unit brakes with the engine, there is a brake on the driven axle and also the trailer has the braked wheels.



### FD3eco with HV 220/S



The operator of this professional driving unit has the engine with a power of 13.2 HP, manually operated differential lock and wide off-road wheels as well as a hydrostatic transmission with smooth regulation of forward and reverse speed, engine fitted on silent blocks, engine braking and two independent brake circuits (drive unit brake and trailer brake). The manually tilted body of this HV 220/S has a loading area of 1,270 x 955 mm.



### FD3-500 with IT 500 Profi



The most powerful Panter FD3-500 driving unit differs from the weaker version only in the engine. It has output of 15.5 HP. The trailer has a unique chassis construction with a solid "self-tilting" body which loading area is 1,470 x 1,090 mm. You will tilt the braked trailer by releasing its body and moving reverse. In this position the body then holds itself and the tilted body secures itself automatically. There is the braked axle of the drive unit as well as the brakes in the trailer's wheels for safety operation.



For the maintenance around the cottage especially on steeper slopes it is a cart in front of the driving unit a great help. It is basically an engine wheelbarrow that has significantly higher slope accessibility than the set with trailer. The cart is also suitable when carrying wood from the forest.

### KOR220 Steerable cart chassis

- multipurpose chassis for extensions (rigid body, yard-woods body, plastic crate body)
- suitable even for the most demanding terrain thanks to great manoeuvrability
- steerable wheels
- max. allowed capacity 220 kg
- simple turning by means of the control lever or the handlebars (depending on the used driving unit)
- compatibility with Panter FD2, FD2H, FD3eco, FD3-500 driving unit



Order No.: 01235.122

## ACCESSORIES

### Rigid body

Order No.: 01235.183



### Yard-woods body

Order No.: 01235.185



### Plastic crate body

Order No.: 01235.189



Prices are without the price of the KOR220 chassis.

### VD100 Cart

- the chassis with free rotary wheels and sheet metal tilting body
- max. allowed capacity 100 kg
- compatibility with Panter FD2, FD2H, FD3eco, FD3-500 driving units



Order No.: 01235.031



### VD400 Trailer

- stainless steel dumping body with removable front side
- blown wheels with the terrain design
- compatibility with Panter FD5 driving units



STAINLESS  
STEEL

Order No.: 01237.055



## SB110 Cylindrical brush

- operating width 110 cm
- cleaning from dirt and snow
- two-speed brush (summer and winter operation)
- brush diameter 40 cm
- side brush turning from the operator position
- 2 height adjustable guide wheels
- gear by means of worm gearbox and V-belt
- collecting container as optional accessory
- compatibility with Panter FD2, FD2H, FD3eco, FD3-500 and FD5 driving units



Order No.: 01235.145



## SPECIAL ACCESSORIES

### SB110-C Collecting container

- stainless casing
- large wheels
- container volume 54 litres



STAINLESS  
STEEL

Order No.: 01235.146

### SB110-S Front protection shield

Order No.: 01235.147

## SF70 Snow blower

- operating width 69 cm
- removing fresh fallen snow
- 2 speeds of the discharge blade rotation
- it copes even with wet snow
- side turning of the chimney
- adjustable tongues
- gear by means of screw gearbox and chain
- compatibility with Panter FD2, FD2H, FD3eco, FD3-500 driving units



Order No.: 01235.071



## SPECIAL ACCESSORIES

### RAP85 Blade

Order No.: 01235.040



### RAP100 Blade

Order No.: 01235.041



### Chains for Panter FD2, FD2H

Order No.: 10100.081



### Chains for Panter FD3eco, FD3-500

Order No.: 10100.082



# SINGLE PURPOSE SWEEPING BRUSH

The SB85 sweeping brush is designed for sweeping of dirt, snow, etc. This machine is used during the whole year. Due to the operating width 85 cm it efficiently cleans larger areas of the car parks but you can clean narrower pavements, around the houses etc. The brush roller rotates against the travel direction. The material is swept in forward direction, potentially into the stainless collecting container, which brings significant dust level reduction. The SB85 sweeping brush is controlled by means of two levers on the handlebars. The travel and the brush engagement are performed independently. The travel speed is geared with the lever on the handlebars. An extended lever sets the side brush direction from the operator position (the direction the brushed material should be swept). There are in total 5 positions of the side turning. The brush has diameter 40 cm which provides better removal of higher snow layers. There are two speeds of the brush revolutions which helps reaching more efficient use of the machine. The low revolutions are suitable for summer operation (they reduce the dust level and increase the service life of the bristles). The high revolutions can be used for winter maintenance during snow removal where the snow is removed farther due to higher speed.



## SB85 Sweeping brush

- Briggs&Stratton I/C 850 Series engine
- cast-iron cylinder, oil pump and oil filter
- automatic choke with easy start even in winter
- low vibration thanks to engine placing on silent blocks
- compact construction suitable for the use in space limited areas
- the overlap of the brush as well as the option of side turning provides perfect cleaning on the hard to reach places
- operating width 85 cm
- brush diameter 40 cm
- two-speed brush (summer and winter operation)
- 3 travel speeds, simple gearing on the handlebars, gearbox with cogwheels
- collecting container as optional accessory
- professional blown guide wheel adjustable with lever



Order No.: 01234.000



## SPECIAL ACCESSORIES

### SB85-C Collecting container

- stainless casing
- large wheels
- container volume 43 litres

Order No.: 01234.001



STAINLESS  
STEEL

## Screw Jack

With this type of jack you can lift the lawn tractor or rider on their back or front axle. A high-strength screw and a nut secure the jack. The screw is ended with a handle which is removable. To lift the device you can use a socket wrench or drill to make the lifting faster and more comfortable. The bottom part is placed in the plate of the safety rod which is connected to the jack's frame.



Order No.: 01235.166

Max. load: 350 kg  
Weight: 14 kg



## Tubular Jack

The main advantage of this jack is its simple manipulation and storability. It is handled as a cradle equipped with a bar. When the work is done, the jack can be disassembled into four parts to save a lot of space.



Order No.: 01235.160

Max. load: 220 kg  
Weight: 12 kg



# RZS MODULAR MACHINE

– genuine and tireless hard worker

## RZS 69 Mower

The mowing chassis RZS 69 is our well-proven product. With the cutting width of 69 cm you can mow a hectare or even more. The mower has a light tube frame and the travel with a worm gearbox in sliding carriage. The cutting disc is equipped with 3 double-ended blades and a plastic slider.



**SALE**

**SPARE PART**



	RZS-69/W 2T	RZS-69/W 4T	RZS-69/W 2TA	RZS-69/W 4TA	RZS-69/W 2T 1:20
<b>OPERATING WIDTH</b>	Disc with smaller slider, 3 blades, 69 cm operating width				
<b>TRAVEL</b>	Switching travel, 1 travel speed between 2.0 – 2.7 km/h				
<b>WHEELS</b>	Big air-pressured 420 mm wheels (inner tube, tyre)				
<b>CLUTCH DIAMETER</b>	80 mm Terra, Vari		120 mm Agzat		80 mm Terra, Vari
<b>ENGINE TYPE</b>	2-stroke	4-stroke	2-stroke	4-stroke	2-stroke
<b>ORDER NUMBER</b>	01221.013	01223.013	01222.013	01222.014	01221.010

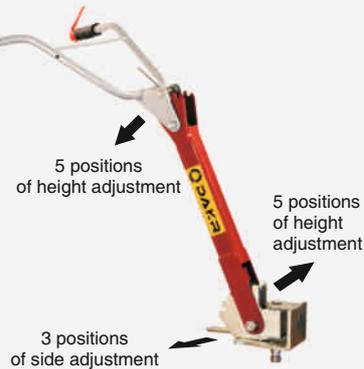
  

	RZS-69/V 2T	RZS-69/V 4T	RZS-69/V 2TA	RZS-69/V 4TA
<b>OPERATING WIDTH</b>	Disc with smaller slider, 3 blades, 69 cm operating width			
<b>TRAVEL</b>	Switching travel, 1 travel speed between 2.0 – 2.7 km/h			
<b>WHEELS</b>	Big full rubber 410 mm wheels			
<b>CLUTCH DIAMETER</b>	80 mm Terra, Vari		120 mm Agzat	
<b>ENGINE TYPE</b>	2-stroke	4-stroke	2-stroke	4-stroke
<b>ORDER NUMBER</b>	01221.012	01223.012	01222.012	01222.011

## ACCESSORIES

### UR 201 Handlebars

Order No.: 01102.011



### UR 201 Travel control lever with the safety switch

Order No.: 41000.097



## SPREADERS FOR SOIL SPREADING

The manually pushed spreaders are in particular intended for lawn establishment at large gardens, football stadiums, golf courses, in parks and at other places where the main factor is the beauty of the lawn. When we constructed the spreaders we placed special attention to developing of a fully professional machine, which distributes the soil with the constant density. We did the majority of testing in the Great Britain where specialist devote to very high-quality lawn establishment. We offer two types of the spreader to our customers. All their components are identical. They only differ in the operating width and the wheel size.



**KRR**

Order No.: 01021.030



**KRRJ**

Order No.: 01021.035

	KRR - Green Wizard 70	KRRJ - Green Wizard 40
<b>HOPPER VOLUME</b>	180 litru	100 litru
<b>MAX. LOAD</b>	200 kg	120 kg
<b>OPERATING WIDTH</b>	70 cm	40 cm
<b>TOTAL SPREADER WIDTH</b>	1010 mm	700 mm
<b>EMPTY SPREADER WEIGHT</b>	40 kg	30 kg
<b>OUTER WHEEL DIAMETER</b>	410 mm	300 mm

# GRANULATED FERTILISERS AND WINTER SALT SPREADERS

These spreaders can be used throughout the year. In summer they can be used for fertilisation and in winter for path and road maintenance. Moreover, the salt makes no damage to the spreader because the spreading mechanism is made of stainless steel. The figures below are stated for British Road Treatment Granulated Salt BS 3247.



## KRH 01 – Matterhorn

The KRH 01 Matterhorn manages to treat up to 625 m<sup>2</sup> with the full hopper. The operating width is about 3 meters. It can be used for fertilisation as well as for salt spreading in winter. We recommend using this spreader around family houses, stores and other small business premises. The spreading mechanism is driven from the wheels with a simple mechanical transmission made of stainless steel.

- Hopper capacity: 25 kg of salt
- Spreading apparatus drive: stainless steel geared transmission
- Spreading system: rotary spinner plate, special activator
- Working speed: 1-4 km/h
- Max. operating width: 1-3 m
- Salt volume per m<sup>2</sup>: adjustable to 63 g/m<sup>2</sup>
- Treated area with full hopper: 400-625 m<sup>2</sup>
- Empty spreader weight: 8 kg
- Recommendation: households, petrol stations and business premises to 2,000 m<sup>2</sup>

Order No.: 01021.028



## KRH 06 – Olympus Turbo

It is the spreader with the robust profi construction for spreading at exact 70 cm operating width.

- Hopper capacity: 80 kg of salt
- Spreading apparatus drive: mechanical, from wheels with chains
- Spreading system: line spreading in precise width
- Working speed: 1 – 4 km/h
- Operating width: 70 cm
- Salt volume per m<sup>2</sup>: adjustable 30 - 100 g/m<sup>2</sup>
- Treated area with full hopper: 800 – 2,650 m<sup>2</sup>
- Empty spreader weight: 37 kg
- Recommendation: municipalities, professional use

Order No.: 01021.031



## KRH 02 – Mont Blanc

This profi construction manages to treat up to 1,000 m<sup>2</sup> with full hopper. The operating width is up to 4.5 metres and it has the hopper capacity of exact 40 kg. These parameters make the spreader a powerful helper for the roads, larger business premises and supermarket parking lots. The spreading mechanism is driven from the wheels with a worm gearbox. It is possible to disengage the spreading mechanism with locking in wheel's hub during crossing.

Order No.: 01021.027

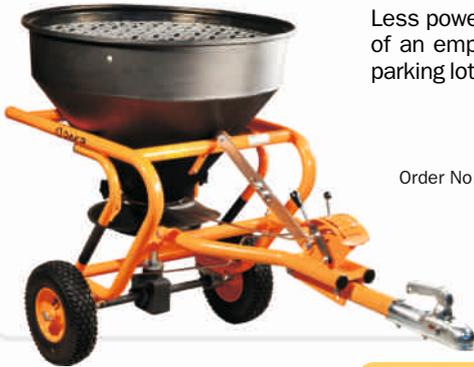
- Hopper capacity: 40 kg of salt
- Spreading apparatus drive: worm-gear unit
- Spreading system: rotary spinner plate, special activator
- Working speed: 1-4 km/h
- Max. operating width: 1-4.5 m
- Salt volume per m<sup>2</sup>: adjustable to 90 g/m<sup>2</sup>
- Treated area with full hopper: 550-1,000 m<sup>2</sup>
- Empty spreader weight: 22 kg
- Recommendation: towns and business premises over 2,000 m<sup>2</sup>



## Towed spreaders

The spreaders are pulled similar to trailers behind the cars or garden tractors. The spreading mechanism is driven from the wheels with a steel oil-filled clutch and can be switched off any time. The salt hopper is made of laminated plastic. It is very resistant to mechanical damage as well as extreme climatic conditions. Parts of the spreader exposed to the salt are made of stainless steel.

### KRH 03 – Everest



Order No.: 01021.019

Less powerful spreading machine is equipped with a 150 kg capacity hopper. The weight of an empty spreader is 65 kg. It is intended for medium-size business premises and parking lots treatment. With full hopper it is able to treat 6,000 m<sup>2</sup>.

Hopper capacity: 150 kg of salt  
 Spreading apparatus drive: bevel gearbox  
 Spreading system: rotary spinning plate, special activator  
 Working speed: pulled by car up to 10 km/h  
 Operating width: 3 – 6 m  
 Salt volume per m<sup>2</sup>: adjustable 25 - 75 g/m<sup>2</sup>  
 Treated area with full hopper: 2,000 – 6,000 m<sup>2</sup>  
 Facilities: steel sieve, cap, eye for tractor pin, attachment for trailer hitch  
 Empty spreader weight: 65 kg  
 Recommendation: municipalities and business premises

### KRH 03 – Everest with seat



Order No.: 01022.001

This machine can be attached to the driving unit Panter FD2, FD2H, FD3eco, FD3-500 or other small two-wheel tractor.

Hopper capacity: 150 kg of salt  
 Spreading apparatus drive: bevel gearbox  
 Spreading system: rotary spinning plate, special activator  
 Working speed: pulled by car up to 10 km/hour  
 Operating width: 3-6 m  
 Salt volume per m<sup>2</sup>: adjustable 25-75 g/m<sup>2</sup>  
 Treated area with full hopper: 2,000-6,000 m<sup>2</sup>  
 Facilities: steel sieve, cap, seat  
 Empty spreader weight: 78 kg  
 Recommendation: municipalities and business premises



### KRH 04 – Fuji



Order No.: 01021.021

The spreader has a very high performance. With full hopper it is able to treat up to 10,000 m<sup>2</sup>. It is equipped with lights and flashing light.

Hopper capacity: 250 kg of salt  
 Spreading apparatus drive: bevel gearbox  
 Spreading system: rotary spinning plate, special activator  
 Working speed: pulled by car up to 15 km/h  
 Operating width: 3 - 6 m  
 Salt volume per m<sup>2</sup>: adjustable 25 - 75 g/m<sup>2</sup>  
 Treated area with full hopper: 3,300 - 10,000 m<sup>2</sup>  
 Facilities: steel sieve, cap, eye for tractor pin, attachment for trailer hitch  
 Empty spreader weight: 95 kg  
 Recommendation: traffic, CZ public highways

### Certification for KRH 04 - Fuji for the operation on public roads

The spreader KRH 04 – Fuji is supplied with the additional set of reflection plates and other safety elements which enable the spreader operation on the public roads and it is provided with technical certification. This set can be extended for all existing KRH 04.

Order No.: 01200.015





The tradition of the high grass mowers  
production from 1990.

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