

ROZMITAL

Catalogue 2019 / 2020

■ mowers ■ tedders ■ rakes



CZECH PRODUCTION WITH 100 YEARS OF TRADITION

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DISC MOWERS



The mowers benefit from a **robust structure**, like all ROZMITAL machines. The cutter bar incorporates long-life **forged gears from high-strength refined materials with ground tooth edges**, which enable long life and silent operation of the machine.

The cutterbar, the most important part of the disc mower, is manufactured locally by Strojírny Rozmítal (farm machinery), which guarantees the highest quality.

All Rozmítal side mounted mowers have a **hydro-pneumatic cutterbar lightening system** which can be precisely and quickly adjusted to achieve the ideal floating position depending on the terrain contours.

Centre pivot suspension of the mower in the cutterbar's centre of gravity.

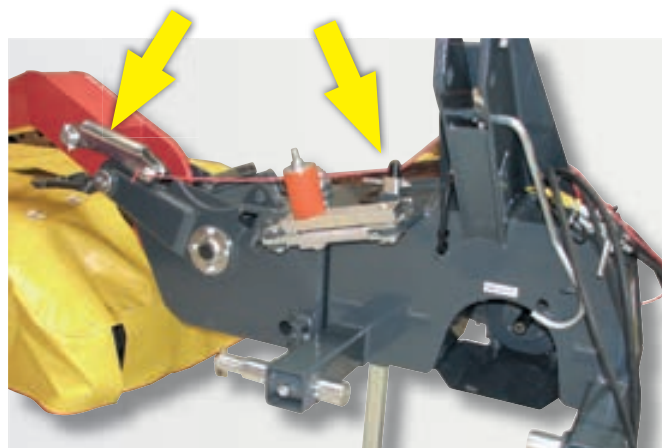
Compact dimensions - hydraulic components are integrated in the three-point hitch.

Technical data		SD - 220	SD - 260	SD - 260C	SD - 300	SD - 300C	SD - 340
conditioner		no	no	yes	no	yes	no
max. working width	m	2,16	2,56	2,56	2,98	2,98	3,37
transport width	m	1,75	1,75	1,75	1,75	1,75	1,75
transport height	m	2,98	3,3	3,3	3,64	3,64	3,99
number of discs	qty	5	6	6	7	7	8
number of knives on disc	qty	2	2	2	2	2	2
knife size	mm	110x50x4	110x50x4	110x50x4	110x50x4	110x50x4	110x50x4
stubble height	mm	40-80	40-80	40-80	40-80	40-80	40-80
max. cutting capacity	ha/h	2,4	3	3	3,3	3,3	3,7
min. tractor power	kW	55	60	70	60	70	70
PTO speed	RPM	540	540	540	540	540	540
weight	kg	668	730	954	780	1045	830
PTO drive shaft		AW35086 F750Nm	AW35086 F900Nm	AW35086 F1250Nm	AW35086 F900Nm	AW35086 F1250Nm	AW35086 F1250Nm

DISC MOWERS SIDE MOUNTED



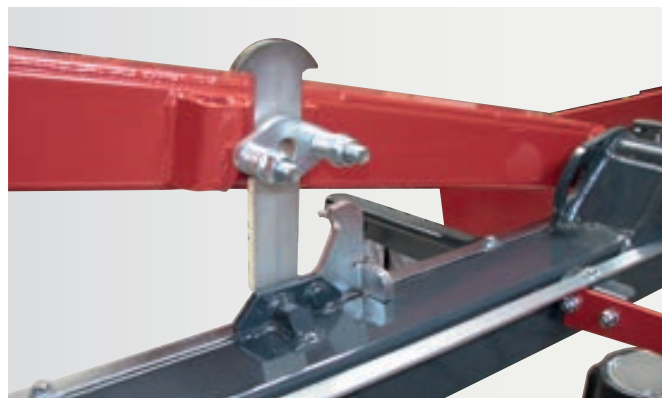
Quick change of the cutting knife using a spring



Clever solution - the cutterarm cannot be unlocked and raised if the supporting leg is in the lowered position



Shock protection system protects the cutterbar against serious damage



Lift limiter and brake to prevent cutterbar oscillation. If the limiter is in the maximum position, the mower is not properly adjusted.
Transport lock for the cutterbar



Pressure gauge for easy checking and quick adjustment of the floating position of the side mounted mowers. Basic pressure adjustment is 90-145 bar, depending on the type of machine (1305 - 2103 psi). 90 bar is used as a basic pressure for SD-260 and 145 bar is a basic pressure for SD-300C. The soil conditions (hard, soft, after rain, etc.) must always be taken into account and the pressure adjusted accordingly. Incorrect adjustment of the cutterbar flotation may result in damage to the mower or excessive wear on the skid shoes.



SD-300

DISC MOWERS MOWER COMBINATION

SM - 820

SM - 820C



Technical data		SM - 820	SM - 820C
conditioner		no	yes
max. working width	m	8,2	8,2
transport width	m	2,81	2,81
transport height	m	3,99	3,99
number of discs	qty	2x7	2x7
number of knives on disc	qty	2	2
knife size	mm	110x50x4	110x50x4
stubble height	mm	40-80	40-80
max. cutting capacity	ha/h	9	9
min. tractor power	kW	100	120
PTO speed	RPM	1000	1000
weight	kg	1595	2145
PTO drive shaft		AB6096	AB6096



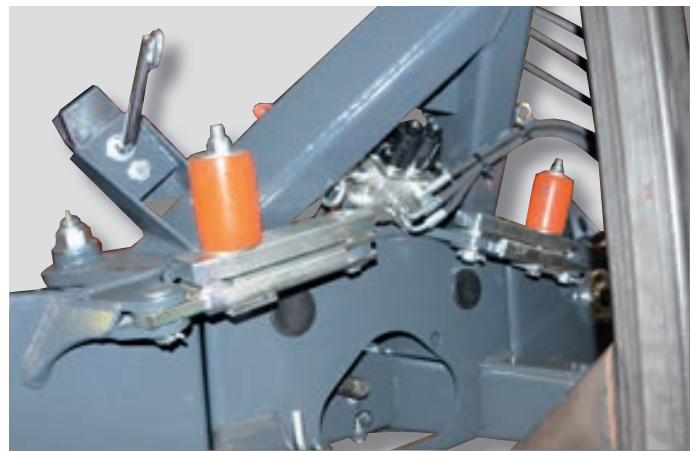
Additional skid shoes are optional on all Rozmital mowers.



Four supporting legs guarantee safe storage of the mower combination in the folded position.



Hydro-pneumatic cutterbar lightening system part of the standard equipment.



Electrohydraulic distributor used to independently control both cutterbars from the tractor cab.



DISC MOWERS FRONT MOUNTED



SC-301

Technical data		SC-301	SC-301C
conditioner		no	yes
working width	m	3,01	3,01
transport width	m	2,88	2,88
transport height	m	1,74	1,74
number of discs	qty	7	7
number of knives on disc	qty	2	2
knife size	mm	110x50x4	110x50x4
stubble height	mm	40-80	40-80
max. cutting capacity	ha/h	3,3	3,3
min. tractor power	kW	60	70
PTO speed	RPM	1000	1000
weight	kg	752	954
PTO drive shaft		AB4101 F750Nm	AB4101 F750Nm

- **Working width 3,00 m**
- Excellent cutting quality
- Cutterbar attached on both sides forms a rigid unit with the frame
- Skid shoes made from high-quality steel
- Maintenance-free oil filled gearbox in the cutterbar
- Cutterbar flotation using springs
- Overrunning friction clutch on the PTO drive shaft protecting against overload
- Transverse copying of the cutterbar



Parking position of the front mounted mower



Transport position of the front mounted mower



Lever for quick mounting of knives and spare knife storage compartment.



Cutterbar flotation using springs.



Input gearbox, default setting from the manufacturer for tractors with the default setting from the manufacturer for tractors with the CW front PTO rotation direction when the gearbox is viewed in the driving direction. The gearbox can be reset to another position.



The gears of the cutterbar are forged from high-grade steel with ground tooth edges. The teeth are 22mm wide, on all Rozmital mowers.

TEDDERS

Best tedders on the market

Technical data		OZ-272	OZ-454	OZ-524S	OZ-676	OZ-676H	OZ-776S	OZ-898	OZ-1110
max. working width	m	2,7	4,5	5,2	6,7	6,7	7,7	8,9	11,2
transport width	m	2,99	2,64	2,98	2,64	2,64	2,98	2,64	2,99
rotor diameter	m	1,72	1,36	1,72	1,36	1,36	1,72	1,36	1,36
number of rotors	qty	2	4	4	6	6	6	8	10
number of arms on the rotor	qty	6	6	7	6	6	7	6	6
number of double tines on the arm	qty	1	1	1	1	1	1	1	1
max. cutting capacity	ha/h	3,1	5,2	6	7,7	7,7	8,8	9,8	12,3
min. tractor power	kW	25	30	30	44	44	44	44	55
PTO speed	RPM	540	540	540	540	540	540	540	540
weight	kg	261	555	599	795	798	935	1380	1850
tyres under the rotor		16x6,5-8	16x6,5-8	16x6,5-8	16x6,5-8	16x6,5-8	16x6,5-8	16x6,5-8	16x6,5-8
transport tyres								215/65-15	215/65-15
PTO drive shaft		AW21101 K32	AW21101 K33	AW21101 K33	AW35101 K33	AW35101 K33	AW35101 K34	AW35121 K33	AW35121 K34

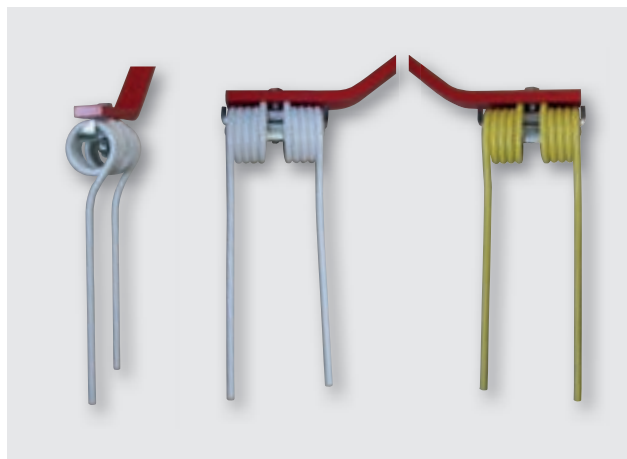
Tedder to be used for a specific mower working width?

Mower working width ROZMITAL

Suitable tedder		1,80 m	2,20 m	2,60 m	3,00 m	3,40 m	8,20 m
	OZ-1110						
	OZ-898						
	OZ-776S						
	OZ-676						
	OZ-524S						
	OZ-454						
	OZ-272						

TEDDERS TWO-ROTOR

OZ-272



- Working width 2,7 m
- For small areas
- Easy to use and powerful
- Working wheels 16x6.5 are standard
- Stabiliser struts as standard equipment

Better than the competitors

Large tine coil diameter, 10 mm wire,
C type spring steel – on all ROZMITAL tedders

TEDDERS FOUR-ROTOR

OZ-454

OZ-524S

Best tedders on the market



OZ-454



OZ-524S

- Heavy-duty and durable construction
- Stabiliser struts for stable work and transport
- Hydraulic folding of the arms
- Automatic locking of the arms in transport position
- 16x6.5-8 working wheels as standard
- Extra strong working tines on all tedders
- Excellent copying of the terrain contours
- Good value for money

TEDDERS SIX-ROTOR

OZ-676

OZ-776S



OZ - 676



OZ - 776S

TEDDERS SIX-ROTOR

OZ-676H

Hydraulically turned travel wheels



The travel wheels can be turned hydraulically from the tractor cab for correct tedding at the headland.



The working height of the machine can be adjusted using a bolt to change the angle of hay tedding. The standard setting is in the centre position.



TEDDER EIGHT-ROTOR

OZ-898

OZ-1110

Try out our powerful, heavy-duty eight-rotor tedder, which you can buy from Strojirny Rozmítal for the same price as our competitor's six-rotor machine.



- OZ-898 Working width 8,9 m
- OZ-1110 Working width 11,2 m
- Heavy-duty and durable construction
- Excellent copying of the terrain contours
- Stabiliser struts for stable work and transport
- Transport undercarriage
- High performance
- High performance

RAKES

RAKES SINGLE-ROTOR

Technical data		SB-3621	SB-3921	SB-4231	SB-4631	SB-4941
max. working width	m	3,6	3,9	4,2	4,6	4,9
transport width	m	1,68	1,81	1,81	1,85	2,35
rotor diameter	m	2,95	3,12	3,36	3,76	3,98
number of rotors	qty	1	1	1	1	1
number of arms on the rotor	qty	8	10	10	10	13
number of double tines on the arm	qty	3	3	4	4	4
max. cutting capacity	ha/h	3,7	4	4,3	4,7	5
min. tractor power	kW	30	30	30	30	30
PTO speed	RPM	540	540	540	540	540
weight	kg	445	555	620	635	855
number of tyres per rotor/size		2 / 16x6,5-8	2 / 16x6,5-8	3 / 16x6,5-8	4 (3) / 16x6,5-8	4 / 18,5x8,5-8
PTO drive shaft		AW21086 K32	AW21086 K32	AW21086 K32	AW21086 K32	AW21121 K33 820Nm 50°

ORIGINAL ROTORS ROZMITAL

- *solution for heavy-duty operation*
- *better than the competitors*

Camshaft mechanism with permanent oil filling - since 1998 as a standard in all ROZMITAL machines.



The rotor camshaft mechanism is stored in a closed oil-filled box. A permanent oil filling in the box provides for a quiet operation of the machine and a low wear rate of its components.

It is not a grease or liquide grease, as used by our competitors, which is just another word for a normal vaseline, but real oil that can be drained and changed like in a gearbox.



Bevel pinion assembly in the rotor in a roller bearing on a special shaft increases reliability and wear resistance of the teeth.

RAKES SINGLE-ROTOR

SB - 3621



Working width 3,60 m

SB-3921



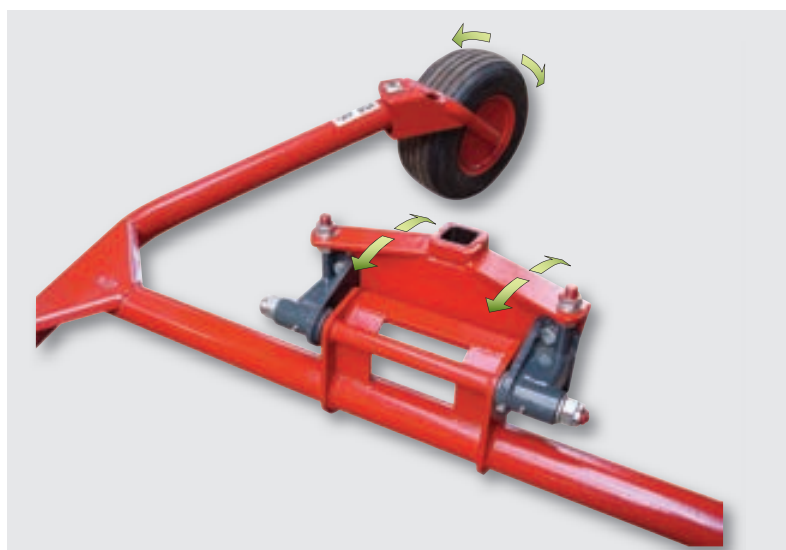
Working width 3,90 m

RAKES SINGLE-ROTOR

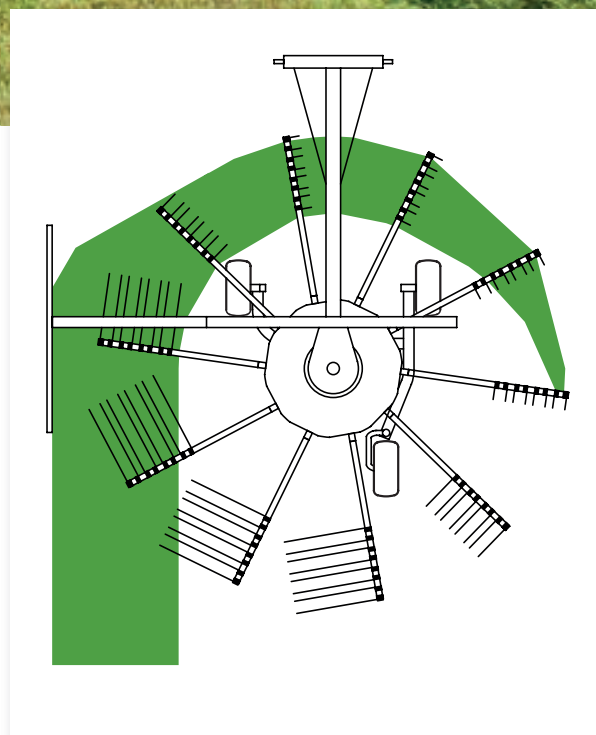
SB-4231



Working width 4,20 m



Swinging assembly of the rotor on the machine undercarriage works as a tandem bogie. This type of mounting allows the rotor to swing forwards and backwards. The undercarriage can therefore copy the terrain contours and the rotor also copies the tractor's travel. The rear wheel can be turned, and its use decreases the turning radius of the machine.



Undercarriage wheels mounted just after the working tines so that the rake properly copies the terrain contours.

SB-4631



Working width 4,60 m

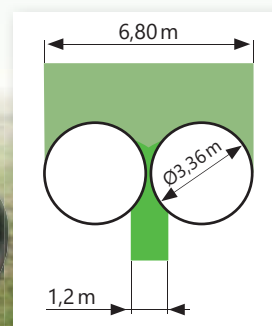
SB-4941



Working width 4,90 m

RAKES TWO-ROTOR mid - row

SP-682D



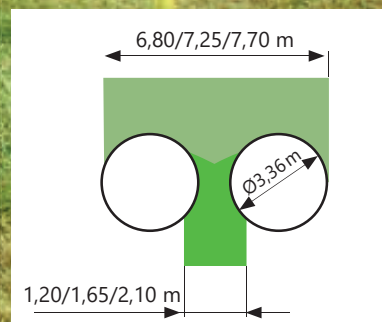
SP - 682D mid-row two rotor rake with a fixed working width

SP-772D



The copying wheel before the working fingers ensures clean forage and protects the working fingers against damage.

Strojirny Rozmítal has offered this solution as standard equipment since 1998.

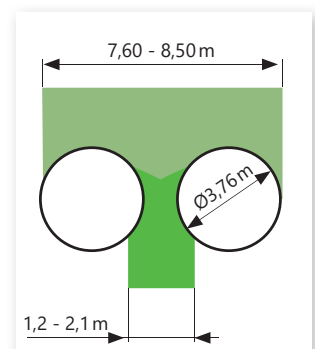


SP - 772D mid-row two rotor rake incrementally adjustable working width

SP-852H



SP-852H mid-row two rotor rake with continuously adjustable working width using hydraulics



Automatic return of rotors to transport position when folding the arms

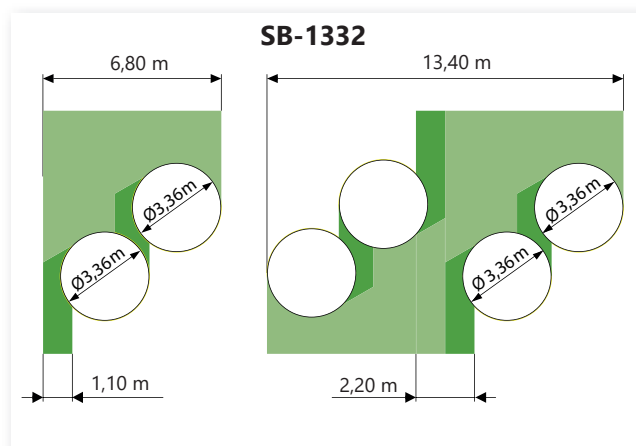
Technical data		SP-682D	SP-772D	SP-852H	
max. working width	m	6,8	7,7	8,5	
transport width	m	2,9	2,9	2,9	
rotor diameter	m	3,36	3,36	3,76	
number of rotors	qty	2	2	2	
number of arms on the rotor	qty	10	10	10	
number of double tines on the arm	qty	4	4	4	
max. cutting capacity	ha/h	7	7,6	8,4	
min. tractor power	kW	44	44	44	
PTO speed	RPM	540	540	540	
weight	kg	1770	1790	1960	
number of tyres per rotor/size		3 / 16x6,5-8	3 / 16x6,5-8	1 / 18,5x8,5-8	4 / 16x6,5-8
transport tyres		225/65-16	225/65-16	10,0/80-12	
internal drive shaft		AW21101 K32	AW21121 K32	AW21121 K33	
PTO drive shaft		AW21101-50°	AW21101-50°	AW21101-50°	

RAKES TWO-ROTOR with side delivery

SB-1332



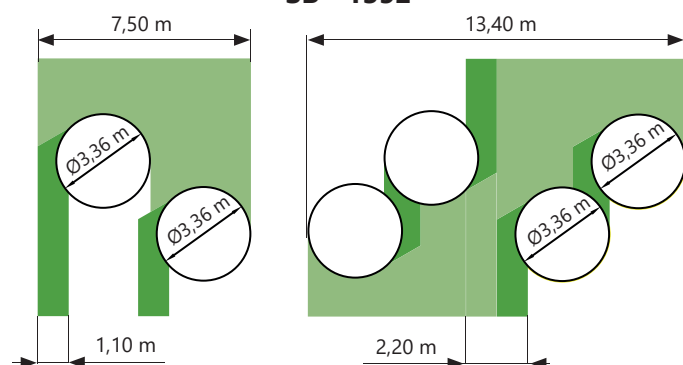
Technical data		SB-1332
max. working width	m	6,8
transport width	m	2,9
rotor diameter	m	3,36
number of rotors	qty	2
number of arms on the rotor	qty	10 + 13
number of double tines on the arm	qty	4
max. cutting capacity	ha/h	7
min. tractor power	kW	44
PTO speed	RPM	540
weight	kg	2120
number of tyres per rotor/size	1 / 18,5x8,5-8 2 / 16x6,5-8	
transport tyres	10,0/80-12	
internal drive shaft	AW21096 K32	
PTO drive shaft	AW21101-50°	



SB-1352



SB - 1352



Technical data		SB-1352
max. working width	m	6,8
transport width	m	2,35
rotor diameter	m	3,36
number of rotors	qty	2
number of arms on the rotor	qty	10 + 13
number of double tines on the arm	qty	4
max. cutting capacity	ha/h	7
min. tractor power	kW	44
PTO speed	RPM	540
weight	kg	1850
number of tyres per rotor/size		6 / 5 / 18,5x8,5-8
transport tyres		
internal drive shaft		
PTO drive shaft		AW35121-50°

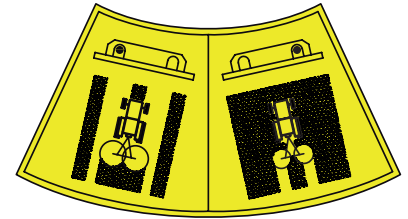
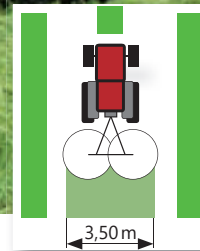
- Variable working width with option to create a swath from an area up to 13,4 m wide
- Copying wheels as standard equipment
- Excellent longitudinal flotation just before the working tines
- Hydraulically controlled undercarriages
- Independent following of terrain contours by both rotors
- Raking into one or two swaths
- Working rotors with 10 and 13 arms, each with 4 double tines

TEDDER AND RAKE IN ONE

SP4-152



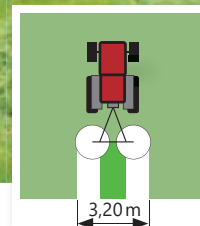
Tedding - rod walls are in transport position.



The **pictogram** shows correct setting of both rotors. An incorrect setting may result in damage to the machine.



Raking - rod walls are in the working position.



For **tedding and raking** it is necessary to shift the tedding tine holders to another position. Shifting to another position is simple, in a single movement for all holders at the same time.

Technical data		SP4 - 152
max. working width	m	ted. 3.5 / rake 3.2
transport width	m	2,98
rotor diameter	m	ted. 2.0 / rake 1.4
number of rotors	qty	2
number of arms on the rotor	qty	6
number of double tines on the arm	qty	2
max. cutting capacity	ha/h	ted. 3.7 / rake 3.4
min. tractor power	kW	30
PTO speed	RPM	540
weight	kg	420
number of tyres per rotor/size		16x6,5-8
PTO drive shaft		AW21121 K 32

- Working width when **tedding 3,5 m**
- Working width when **raking 3,2 m**
- Two functions - tedding and raking in one machine
- Suitable for smaller areas
- Simple and quick switching between tedding and raking
- Stabiliser struts for comfortable work and transporting of the machine

TEDDERS / RAKES WHEEL

SP4-205



SP4-205 UNIVERSAL TEDDER / RAKE

Technical data		SP4 - 205
max. working width	m	ted. 3.1 / rake 3.4
transport width	m	2.3
rotor diameter	m	1.4
number of rotors	qty	5
max. cutting capacity	ha/h	ted. 4.5 / rake 4.8
min. tractor power	kW	22
weight	kg	224

- SP4-205 - working width **tedding 3,1 m**
- SP4-205 - working width when **raking 3,4 m**
- Low crumbling and low losses
- SP4-205 - two functions - tedding and raking in one machine
- Simple and easy maintenance
- High area capacity
- Driven by the wheels rolling on the ground





ROZMITAL

The manufacturer reserves the right to make products' technical parameters and construction changes.



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DEALER

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ROZMITAL