

For professionals



ROTARY TEDDERS:

4 - rotor, 6- rotor

ROTARY RAKES:

- 1 rotor, 2 rotor in-line rakes,
- 2 rotor rakes with central swath



Farm's capability of producing high quality forage is one of the crucial factors to distinct modern milk and meat production technology.

Access to top quality technical equipment, conforming to high requirements is considered to be a challenge at the designing stage.

To meet these needs, we offer top quality technological solutions, based on 30-year experience in designing agricultural equipment. We will help to achieve your success!

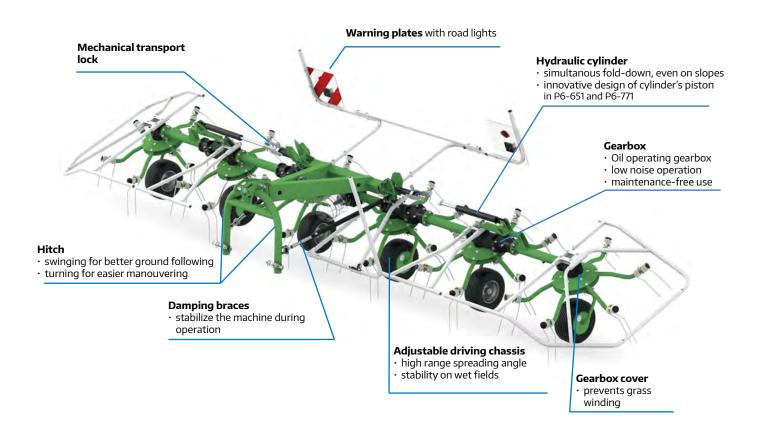
Many have already trusted us. We are passionate about designing machines to meet any farmer's needs!

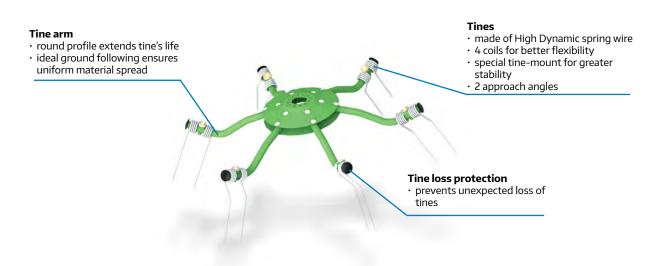


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ROTARY TEDDERS





Oil-operating gearbox

- Cardan joints, with easy access grease points, ensure constant power transfer between the rotors
- · low-noise operation
- as part of main frame decreased total weight of the machine





ROTARY TEDDERS

P4 4 - rotor **P6** 6 - rotor



Standard equipment:

Tine loss protection • Hydraulic folding • Adjustable angle of spread • Adjustable wheel position allows to work on field boundary • Warning plates • Road lights • PTO shaft • Limiting chain • Oil operating gearboxes

		P4 - 471	P4 - 531	P6 - 651	P6 - 771
	Working width [m / ft]	4,70 / 15'5"	5,30 / 17'5"	7,00 / 21'4"	7,70 / 25'3"
	Transport width / height [m / ft]	3,00 / 2,50 9'8" / 8'2"	3,00 / 2,70 9'8" / 8'1"	3,00 / 3,60 9'8" / 11'8"	2,95 / 4,00 9'7" / 13'2"
	Number of rotors [pcs.]	4	4	6	5
	Necessary hydraulic couplers		1 x single acting		1x double acting
	Working capacity [ha/h / ac/h]	~ 5,60 / 13,85	~ 6,30 / 15,55	~ 7,80 / 19,30	~9,20 / 23
AILS	Number of arms [pcs.]		6	5	
. DET	Rotor diameter [cm / ft]	162 / 5'4"	172 / 5'8"	160 / 5'3"	172 / 5'8"
TECHNICAL DETAILS	RPM		54	40	
동	3-point hitch cat.		I	l	
	Power demand [HP]	from 30	from 40	from 50	from 60
	Tires (with inner tubes)		16 x 6	5,5-8	
	Weight [kg / lbs]	665 / 1470	680 / 1500	915 / 2020	945 / 2080
	PTO shaft		tractor - tedder:	with friction clutch	

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TRAILED ROTARY TEDDERS

Hydraulic cylinder

- · simultanous fold-down, even on slopes
- innovative design of cylinder's piston in P6-651 and P6-771

Warning plates

Mechanical transport lock



Gearbox

- Oil operating gearbox
- · low noise operation
- · maintenance-free use



Trailed hitch

- · smooth adjustment of working height by means of hydraulic cylinder
- quick and easy attachment to the tractor (bar)

Damping braces

stabilize the machine during operation

Gearbox cover

prevents grass winding

Adjustable driving chassis high range spreading anglestability on wet fields

Tine arm

- · round profile extends tine's life
- · ideal ground following ensures uniform material spread

- · made of High Dynamic spring wire
- · 4 coils for better flexibility
- · special tine-mount for greater stability
- · 2 approach angles

Tine loss protection

prevents unexpected loss of tines

Oil-operating gearbox

- Cardan joints, with easy access grease points, ensure constant power transfer between the rotors
- $\cdot \ \text{low-noise operation} \\$
- · as part of main frame decreased total weight of the machine







TRAILED ROTARY TEDDERS

P4 4 - rotor **P6** 6 - rotor



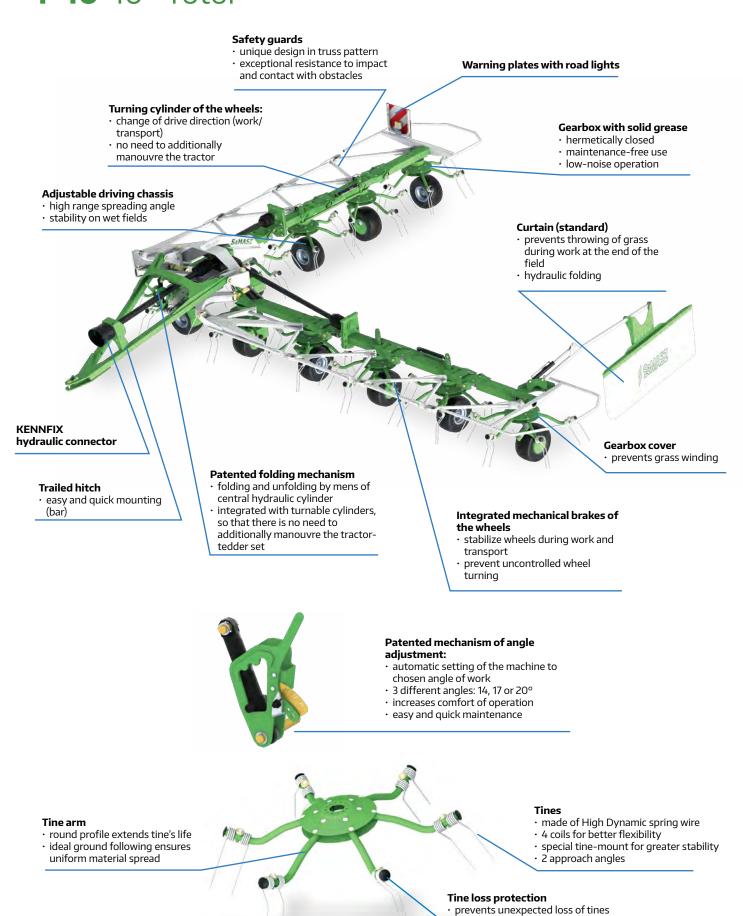
Standard equipment:

Tine loss protection • Hydraulic folding • Adjustable angle of spread • Adjustable wheel position allows to work on field boundary • Warning plates • Road lights • PTO shaft • Oil operating gearboxes

				NEW!
		P4 - 471 C	P4 - 531 C	P6-771 C
	Working width [m / ft]	4,70 / 15'5"	5,30 / 17'5"	7,70 / 25'3"
	Transport width / height [m / ft]	3,00 / 2,50 9'8"/ 8'1"	3,00 / 2,70 9'8"/ 8'2"	3,00 / 2,95 9'8" / 8'3"
	Number of rotors [pcs.]	4		6
	Necessary hydraulic couplers		2 x single acting	
ILS	Working capacity [ha/h / ac/h]	~ 5,60 / 13,85	~ 6,30 / 15,55	~9,20 / 23
DETA	Number of arms [pcs.]		6	
ICAL	Rotor diameter [cm / ft]	160 / 5′3"	172 / 5'8"	172 / 5'8"
TECHNICAL DETAILS	RPM		540	
-	3-point hitch cat.		drawbar	
	Power demand [HP]	from 30	from 40	from 60
	Tires (with inner tubes)		16 x 6,5-8 / 18 x 8,5 - 8	
	Weight [kg / lbs]	680 / 1500	695 / 1530	1730 / 3800
	PTO shaft	tractor - te	dder: no clutch, built-in: with friction cl	lutch

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TRAILED ROTARY TEDDERS P10 10 - rotor







TRAILED ROTARY TEDDERS P 10 10 - rotor

Standard equipment:

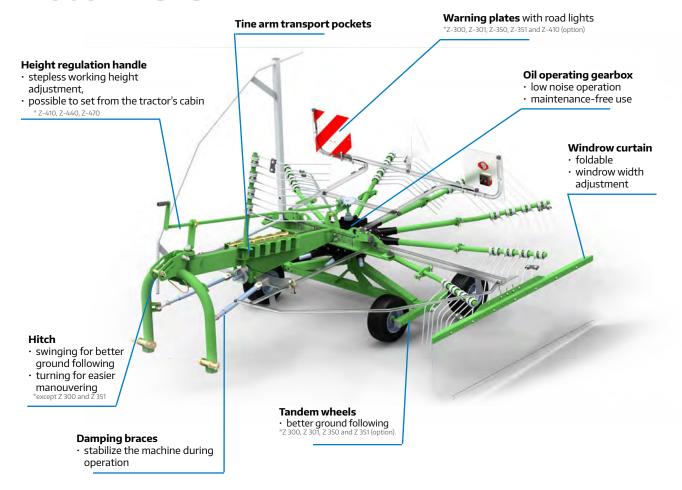
Gearbox with solid grease • Tine loss protection • Hydraulic folding • Adjustable angle of spread • Lifting curtain • Adjustable wheel position allows to work on field boundary • Warning plates • Road lights • PTO shaft • **KENNFIX hydraulic connector**

	NEW!	
		P10 - 1200
	Working width [m / ft]	12,20 / 47'
	Transport width / height [m / ft]	2,80 / 1,40
	Number of rotors [pcs.]	10
	Necessary hydraulic couplers	2 x double acting
	Working capacity [ha/h / ac/h]	~ 14,4 / 32
LS	Number of arms [pcs.]	6
ETAI	Rotor diameter [cm / ft]	160 / 5'3"
CALD	RPM	540
TECHNICAL DETAILS	3-point hitch cat.	bar
#	Power demand [HP]	from 80
	Tires (with inner tubes)	18 x 8,5 - 8 (road whels)
	Weight [kg / lbs]	2120 / 4674
	PTO shaft	tractor: tedder: with friction clutch, built-in: with overrunning clutch

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ADVANTAGES OF SINGLE ROTOR RAKES

Z - SUSPENDED



OTHER ADVANTAGES OF SINGLE ROTOR RAKES OF Z RANGE

Clean fodder and turf protection	 tine-arm shape with its layout at the rotor has a great impact on windrow forming precise material pick-up thanks to the shape and profile of the tines tandem chassis ensures good ground following anti-loss tine protection additional height adjustment for soft or firm fields light design - smaller pressure on the ground
Customer friendly use	 - dry (only Z-470) and oil operating gearboxes ensure low-noise and stable operation - tine arm transport latch - high level of ground following - comfort of transport thanks to foldaway guards
Servicing and spare parts	- reduced operating costs - most of maintenance works can be done on user's own
Proven design	 over 10 years of experience in rotary rakes manufacturing 2 year warranty gearboxes of proven supplier

OPTIONAL EQUIPMENT

Ground following wheel







SINGLE ROTOR RAKES **Z** – SUSPENDED



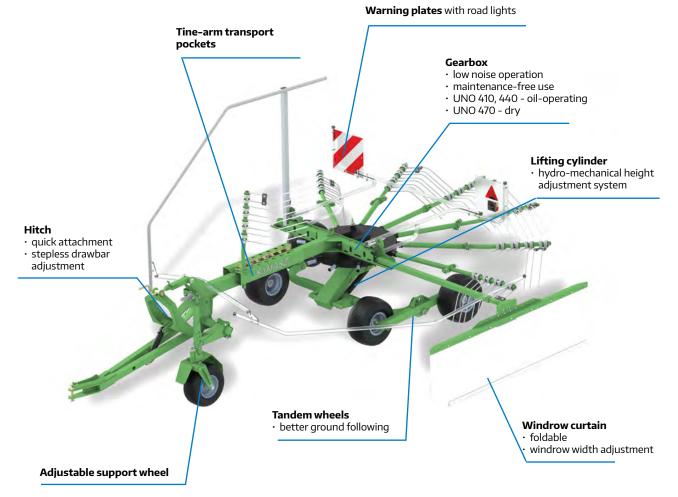
Standard equipment:

Gearbox with oil (Z - 470 dry) \cdot Turnable hitch (apart from Z-300 and Z-350) \cdot Tine loss protection \cdot Windrow width regulation \cdot Raking height adjustment \cdot Dismountable arms for transport \cdot Windrow curtain \cdot Front ground following wheel (Z-470) \cdot Warning plates with road lights (only Z-440 and Z-470) \cdot Tandem wheels (Z-410, Z-440 and Z-470) \cdot PTO shaft \cdot Limiting chain

		Z-300	Z - 301*	Z - 350	Z - 351*	Z - 410	Z-440	Z - 470
	Working width [m / ft]	3,00 / 9'10"	3,00 / 9'10"	3,50 / 11'6'	3,50 / 11'6'	4,10 / 13'5"	4,40 / 14'5"	4,70 / 15'5"
	Windrow width [m / ft]			0,8	30 - 1,50 / 2'7'' - 4	'11"		
	Transport width [m / ft]	2,60 / 8'7"	2,60 / 8'7"	2,80 / 9'2"	2,80 / 9'2"	3,30 / 10'10"	3,60/ 11'8"	3,80 / 12'8"
	Transport width without arms [m / ft]		1,80 /	<i>'</i> 5'11"		1,90 / 6'3"	2,10 / 6'11"	2,30 / 7'7"
rs	Working capacity [ha/h / ac/h]	~ 3,00 / 7,40	~ 3,00 / 7,40	~ 3,50 / 8,70	~ 3,50 / 8,70	~ 4,50 / 11,00	~5,00 / 12, 35	~ 5,60 / 14,00
ETAI	Number of arms [pcs.]	8	8	9	9	1	1	13
TECHNICAL DETAILS	Rotor diameter with arms [m / ft]	2,60 / 8'7"	2,65 / 8'8"	2,80 / 9'2"	2,80 / 9'2"	3,30 / 10'10"	3,60 / 11'8"	3,80 / 12'8"
N N N N	Number of tines [pcs./arm]		3	3			4	
H	RPM**				540			
	3-point hitch cat.				II			
	Power demand [HP]	from 20	from 20	from 25	from 25	from 40	from 45	from 50
	Tires (with inner tubes)		15 x 6	,0 - 6			16 x 6,5 - 8	
	Weight [kg / lbs]	310 / 685	390 / 860	340 / 750	420 / 925	590 / 1300	750 / 1655	820 / 1810
	PTO shaft			tractor	- rake: with overload	l clutch		

^{*} Recommended rpm during work - 350 - 450 rpm

ADVANTAGES OF SINGLE ROTOR RAKES **UNO** - trailed



OTHER ADVANTAGES OF SINGLE ROTOR RAKES OF UNO RANGE

Clean fodder and turf protection	 tine-arm shape with its layout at the rotor has a great impact on windrow forming precise material pick-up thanks to the shape and profile of the tines tandem chassis ensures good ground following anti-loss tine protection light design - smaller pressure on the ground
Customer friendly use	 dry (UNO-470) and oil operating gearboxes ensure low-noise and stable operation tine arm transport latch hydro-mechanical working height adjustment system comfort of transport thanks to foldaway guards high level of ground following operation with tractors of smaller weight transport at own wheels
Servicing and spare parts	reduced operating costsmost of maintenance works can be done on user's own
Proven design	 over 10 years of experience in rotary rakes manufacturing 2 year warranty gearboxes of proven supplier

OPTIONAL EQUIPMENT

Ground following wheel







SINGLE ROTOR RAKES **UNO** - trailed



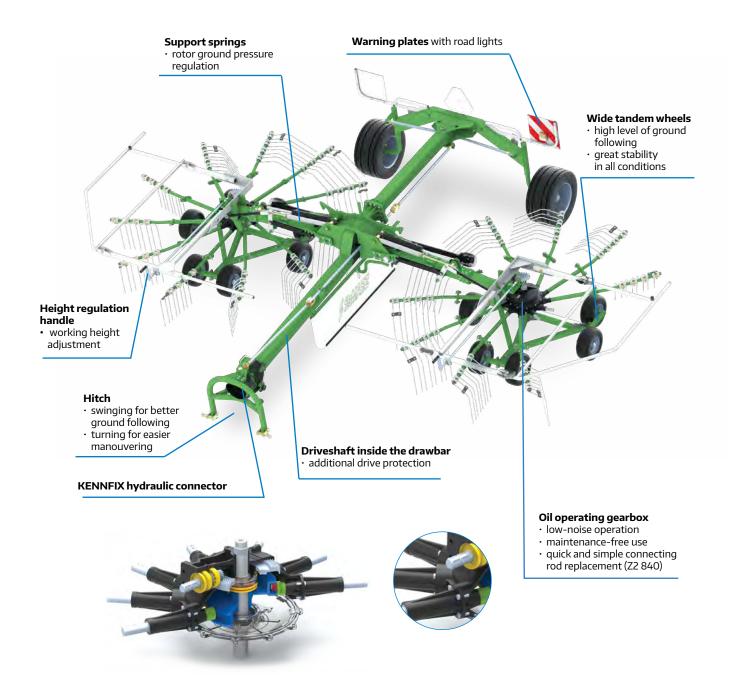
Standard equipment:

Oil operating gearbox (dry in UNO 470) • Hydraulic lifting for transport • Tine loss protection • Windrow width regulation • Raking height adjustment • Dismountable arms for transport • Windrow curtain • Front ground following wheel • Warning plates with road lights • Tandem wheels • PTO shaft • Drawbar

		UNO 410	UNO 440	UNO 470
	Working width [m / ft]	4,10 / 13'5"	4,40 / 14'5"	4,70 / 15'5"
	Windrow width [m / ft]		0,80 - 1,50 / 2'7" - 4'11"	
	Transport width [m / ft]	3,30 / 10'10"	3,60 / 11'8"	3,80 / 12'8"
	Transport width without arms [m / ft]	1,80 / 5'11"	2,35 / 7'8"	2,35 / 7'8"
	Necessary hydraulic couplers		1x single acting	
40	Working capacity [ha/h / ac/h]	~ 4,50 / 11,00	~ 5,00 / 13,00	~ 5,60 / 13,85
TECHNICAL DETAILS	Number of arms [pcs.]	1	11	13
AL DE	Rotor diameter with arms [m / ft]	3,30 / 10'10"	3,60 / 11'8''	3,80 / 12'8"
HNIC	Number of tines [pcs./arm]		4	
Ĕ	RPM*		540	
	3-point hitch cat.		drawbar	
	Power demand [HP]	from 35	from 40	from 45
	Tires (with inner tubes)	16 x 6	5,5 - 8	18 x 8,5 - 8
	Weight [kg / lbs]	740 / 1630	870 / 1920	890 / 1960
	PTO shaft		tractor - rake: with overload clutch	

^{*} Recommended rpm during work - 350 - 450 rpm

ADVANTAGES OF 2-ROTOR RAKES Z2



OTHER ADVANTAGES OF 2-ROTOR RAKES OF Z2 RANGE

Clean fodder and turf protection	 tine-arm shape with its layout at the rotor has a great impact on windrow forming precise and clean material pick-up thanks to the shape and profile of the tines tandem chassis ensures ideal ground following anti-loss tine protection additional height adjustment for soft or firm fields thanks to applied working units support a turf is protected 		
Customer friendly use	 working width adjustment: from 7,20 to 7,60 m in Z2 780 - hydraulic (option), mechanical (standard) from 7,60 to 8,40 m in Z2 840 - hydraulic (standard) comfort of transport thanks to foldaway guards great range of ground following mechanical lock for transport and headlands KENNFIX hydraulic connector automatic windrow curtain fold down forced steering system - the machine follows the tractor's track wide, rear wheels allow stability during transport 		
Proven design	 Over 10 years of experience in rotary rakes manufacturing 2 year warranty gearboxes of proven supplier 		



2-ROTOR ROTARY RAKES **Z2 -** 1-central windrow



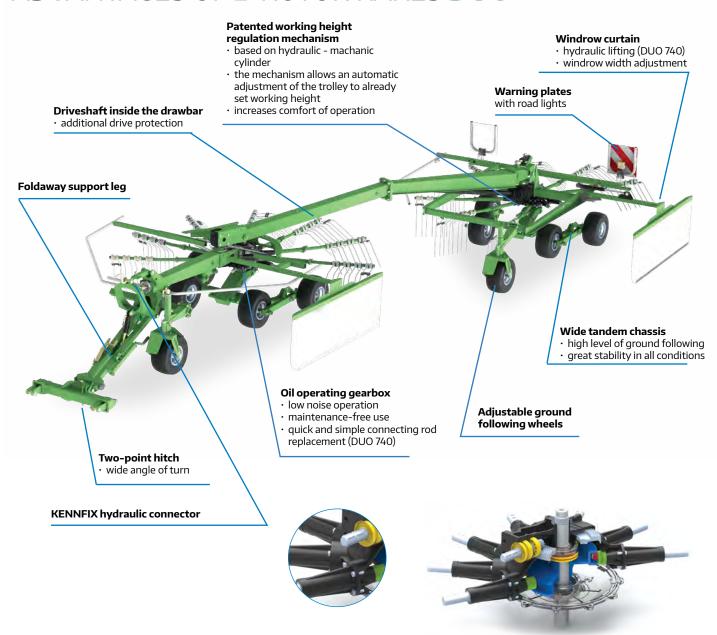
Standard equipment:

Oil operating gearbox with replaceable connecting rods (Z2-840) • Hydraulic folding • Tine loss protection • Hydraulic regulation of windrow width (Z2 - 840) • Swinging hitch, latch mechanism for transport, rake suspending mechanism on headlands • Working height adjustment • Dismuntable arms for transport • Windrow curtain • Warning plates with rear road lights • Tandem wheels • PTO shaft • **KENNFIX hydraulic connector**

		Z 2 - 780	Z 2 - 840	
	Working width [m / ft]	7,20 - 7,60 / 23'7" - 24'11"	7,60 – 8,40 / 24'11"-27'7"	
	Windrow width [m / ft]	1,50 - 2,00 / 4'11" - 6'7"	1,20 - 2,00 / 3'11"-6'7"	
	Diameter of rotor with arms [m / ft]	3,30 / 10'10"	3,65 / 11'12"	
	Transport width / height [m / ft]	2,90 / 3,00 9'6" / 9'10"	3,00 / 3,75 9'8"/ 12'3"	
	Necessary hydraulic couplers	1 x single acting	1 x single acting 1 x double acting	
	Working capacity [ha/h / ac/h]	~ 8,00 / 20,00	~ 9,00 / 22,00	
	Number of arms per rotor [pcs.]	11		
TECHNICAL DETAILS	Number of dismountable arms per rotor for transport [pcs.]	4		
DET	Number of tines [pcs./arm]	4		
J B	RPM*	54	40	
Ž	3-point hitch cat.	I	I	
띹	Power demand [HP]*	from 60	from 80	
	Tires (with inner tubes)	16 x 6,5 - 8	/ 340/55-16	
	Weight [kg / lbs]	2040 / 4500	2330 / 5130	
	PTO shaft	tractor - rak built-in: 1. no clutch, 2		
	Windrow	central		

^{*} Recommended rpm during work - 350 - 450 rpm

ADVANTAGES OF 2-ROTOR RAKES DUO



OTHER ADVANTAGES OF 2-ROTOR RAKES OF DUO RANGE

Clean fodder and turf protection	 - tine-arm shape with its layout at the rotor has a great impact on windrow forming - precise and clean material pick-up thanks to the shape and profile of the tines - tandem chassis ensures ideal ground following - anti-loss tine protection 	
Customer friendly use	 - 1 or 2 windrow formation for greater harvest economy - oil operating gearboxes ensure long life - tine-arm transport latch (DUO 740) - KENNFIX hydraulic connector - patented hydro-mechanical working height adjustment system - transport on tandem wheels - delayed foldaway system thanks to installed sequence valves 	
Proven design	 Over 10 years of experience in rotary rakes manufacturing 2 year warranty gearboxes of proven supplier 	





2-ROTOR ROTARY RAKES **DUO** - 1 or 2 windrows



- rear rotor turnable

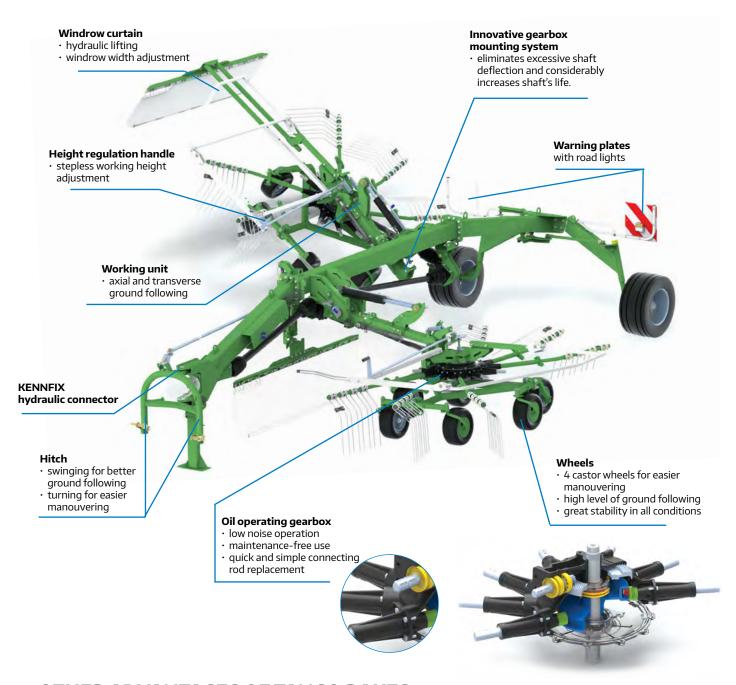
Standard equipment:

Oil operating gearbox with replaceable connecting rods (DUO 740) • Hydraulic folding • Front and rear ground following wheel • Tine loss protection • Swath width regulation • 2-windrow formation • Raking height adjustment • Dismountable arms for transport • Windrow curtain • Warning plates with rear road lights • Tandem wheels • PTO shaft • **KENNFIX hydraulic**

nnector	DUO 680	DUO 740
Working width [m / ft]	3,40 - 6,80 / 11'2" - 22'4"	3,70 - 7,40 / 12'1"-24'3"
Windrow width [m / ft]	0,80 - 1,50 / 2'7" - 4'11"	
Diameter of rotor with arms [m / ft]	3,00 / 9'10"	3,30 / 10'10"
Transport width / height [m / ft]	3,00 / 2,00 9'8"/ 6'7"	3,30 / 2,00 9'8"/ 6'7"
Transport width without arms [m / ft]	1,80 / 5'11"	2,55 / 8'4"
Lifting height on headlands [mm / ft]	490 / 1'60"	
Necessary hydraulic couplers	1 x single acting 1 x double acting	
Working capacity [ha/h / ac/h]	~ 5,00 - 6,50 / ~ 12,50 - 16,00	~ 8,00 / 20,00
Number of arms per rotor [pcs.]	11	
Number of dismountable arms per rotor for transport [pcs.]		6
Number of tines [pcs.]	4	
RPM*	540	
3-point hitch cat.	п	
Power demand [HP]*	from 60	
Tires (with inner tubes)	18 x 8,5 - 8	
Weight [kg / lbs]	1720 / 3790	2050 / 4520
PTO shaft	tractor – rake: wide-angle with overrunning clutch, built-in: 1. wild-angle, 2. with overload clutch	
Windrow	on th	e left

 $^{^{\}star}$ Recommended rpm during work - 350 - 450 rpm

ADVANTAGES OF 2-ROTOR RAKES TANGO



OTHER ADVANTAGES OF TANGO RAKES

Clean fodder and turf protection	 tine-arm shape with its layout at the rotor has a great impact on windrow forming precise and clean material pick-up thanks to the shape and profile of the tines tandem chassis ensures ideal ground following anti-loss tine protection additional height adjustment for soft or firm fields thanks to applied working units support a turf is protected 	
Customer friendly use	 - 1 or 2 windrow formation - less drives, saves time - delayed foldaway system thanks to installed sequence system - hydraulic working width adjustment - KENNFIX hydraulic connector - comfort of transport thanks to foldaway guards - mechanical lock for transport and headlands - automatic windrow curtain fold down - forced steering system - the machine follows the tractor's track - wide, rear drive wheels allows for stability during transport 	
Proven design	 over 10 years of experience in rotary rakes manufacturing 2 year warranty gearboxes of proven supplier 	



2-ROTOR ROTARY RAKES **TANGO -** 1 or 2 windrows

- fixed frame with own transport wheels



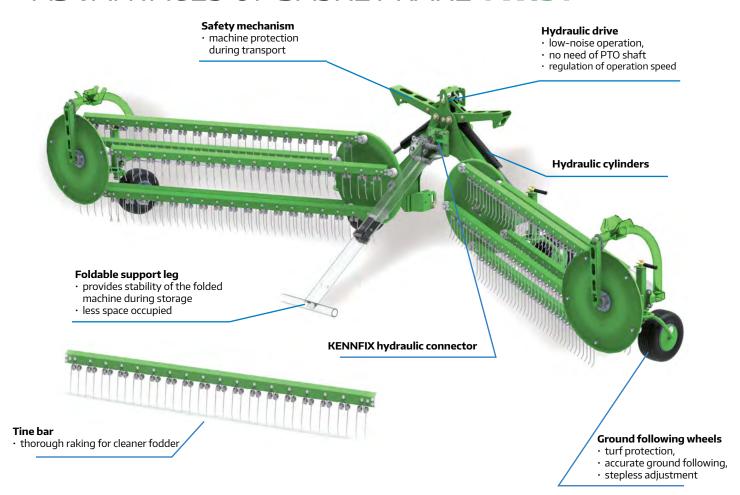
Standard equipment:

Oil operating gearbox with replaceable connecting rods • Sequential lifting and lowering of the rotors • Tine loss protection • Hydraulic regulation of windrow width • 2-windrow formation • Swinging hitch • Mechanical transport lock on headlands and for transport • Raking height adjustment • 2 windrow curtain • Warning plates with rear roadlights • Tandem wheel drive with turning wheels • PTO shaft • Mechanical protection of windrow curtain • Hydraulic lifting of the curtain on headlands • **KENNFIX hydraulic connector**

		TANGO 730	
	Working width [m / ft]	6,70 - 7,30 / 22' - 24'	
	Windrow width [m / ft]	0,80 - 1,50 / 2'7" - 4'11"	
	Diameter of rotor with arms [m / ft]	3,35 / 11'0"	
	Transport width / height [m / ft]	3,00 / 3,90 9'8" / 12'1"	
	Parking height [m / ft]	3,90 / 12'1"	
	Necessary hydraulic couplers	1x single acting, 1x double acting	
AILS	Working capacity [ha/h / ac/h]	~ 5,60 - 7,50 /~ 13,85 - 18,50	
TECHNICAL DETAILS	Number of arms per rotor [pcs.]	11	
	Number of tines [pcs]	4	
	RPM*	540	
	3-point hitch cat.	U	
	Power demand [HP]*	from 60	
	Tires (with inner tubes)	16 x 6,5 - 8 2x 350/55-16	
	Weight [kg / lbs]	2450 / 5400	
	PTO shaft	tractor - rake: wide-angle, built-in: 1. no clutch, 2. with overrunning overload clutch	
	Windrow	on the right	

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ADVANTAGES OF BASKET RAKE TWIST



OTHER ADVANTAGES OF TWIST BASKET RAKE

Clean fodder and turf protection	 tine bar raking system for cleaner fodder increased by 75% precise and clean material pick-up thanks to specially profiled raking tines design of tine bars prevents stones from getting into the formed windrow
Customer friendly use	 simultaneous work with forage machines (self-collecting trailers, balers) mounted at tractor's front or rear no need of PTO shaft KENNFIX hydraulic connector comfortable transport of the machine mechanical lock for transport machine setting and adjustment is done from tractor's cabin machine design enables work at one side only low weight in comparison to working width

OPTIONAL EQUIPMENT

Warning plate and road lights bracket



Rear mounting drawbar







BASKET RAKE **TWIST**



Standard equipment:

Hydraulic drive with rotation speed regulation • Regulation of working height • Foldable support leg • Mechanical transport lock • Regulated ground following wheels • **KENNFIX hydraulic connector**

		TWIST 600
TECHNICAL DETAILS	Working width [m / ft]	6,00 / 19' 9"
	Windrow width [m / ft]	1,30 / 4′ 4"
	Transport width / height [m / ft]	2,35 / 3,50 7'7" / 11'5"
	Necessary hydraulic couplers	2 x double acting
	Working capacity [ha/h / ac/h]	6,00 / 15,00
	Working drums [pcs.]	2
	Raking bar [pcs.]	5
	Tines [pcs.]	18
	3-point hitch cat.	II
	Power demand [HP]*	80
	Tires (with inner tubes)	15x6,5
	Drive type	Hydraulic
	Pump capacity (I/min) / (GPM)	30 / 7
	Nominal pressure [bar / MPa]	160 / 16
	Weight [kg / lbs]	770 / 1700

Selected SaMASZ machines



rotary rakes and tedders







snow plows



tractor gritters and sweepers







SaMASZ Sp. z o.o. 16-060 Zabłudów ul. Trawiasta 1

tel.: +48 85 664 70 31

fax: +48 85 664 70 41

Your dealer:



www.samasz.com e-mail: samasz@samasz.pl

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

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

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

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

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