

Offset Arm Verge Shredders

TB 10 - TB 100 SELECT - TBE 10 – TBES 10 - TBE 102
- TBES 102 - RSM – SPRING-LONGER - PRO



www.kuhn.com



be strong, be **KUHN**



TB

10

TB

100 SELECT

TBE

10

TBES

10

TBE

102

TBES

102

RSM

SPRING-LONGER

PRO

A COMPLETE RANGE FOR ROAD VERGES AND FIELD EDGES

For several years KUHN has been developing a complete range of landscape maintenance equipment (landscape and offset-arm verge shredders, roadside mowers, hedge cutters) because preserving your landscape is an everyday concern for us!

SEVERAL REASONS FOR CHOOSING A KUHN LANDSCAPE TOOL:

- Designs suited to all user profiles, from semi-professional to intensive use.
- A high-quality working result in most different conditions.
- Versatile machines thanks to their movement range (offset, front and rear-mounted versions, operating angles etc.).
- Models with working widths from 1.53 to 2.50m - there is bound to be a machine suited to your needs.
- Maximum output cutting tools.
- The people and service surrounding the 60,000+ machines manufactured at the KUHN Group's factories every year.

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WHY SHRED VERGES, DITCHES AND BANKS?

Flourishing strips next to roads, paths and fields not only provide a nice view, but also help to manage biodiversity by providing retreats for many plant and animal species... as long as they are well maintained.

The objective must be to find the best compromise between necessary crop protection, maintenance and safety measures by regular mowing as well as public expectations concerning an attractive landscape and conservation issues.



From **THE FARMER'S** point of view



DON'T LET WEEDS IN

Many weed species migrate from the border into the field and spread over the whole plot if not hindered. Carried out at the right moment before seeding, mowing field verges effectively minimizes brome grass and others in the harvested crop. This is all the more essential, as weed seeds in the crop reduce seed trader payments to farmers. As the grasses may also accommodate viruses or fungi, which can be transferred on the following winter crops by aphids, hence this precaution measure becomes all the more important.



ENSURE AN EASY FIELD ACCESS

Tall grasses and herbs on field edges impair its accessibility, meaning that a pass with the shredder may be an indispensable measure before entering the field. In this way, you can also be sure that the crop dividers and other sensitive combine parts are not damaged by a stone or branch during harvest, as they can be detected before.



PRUNING OF HEDGES

Cutting back hedges doesn't mean to destroy them, but to maintain and limit them to where they can fulfil their conservation functions. Hedges, which slowly grow into the field or too close to the road edge, serve nobody in a positive way.

From **THE MUNICIPALITY'S** point of view



ENSURE DRIVERS' VISIBILITY

In spring and summer, each car driver can probably list one or the other turn or crossing, where he/she is not able to overlook the complete traffic situation well, because tall grasses and herbs block the view. But as soon as the visibility of road users is reduced, local authorities have to meet their obligations in terms of road safety and mow road verges.

TB

TBE

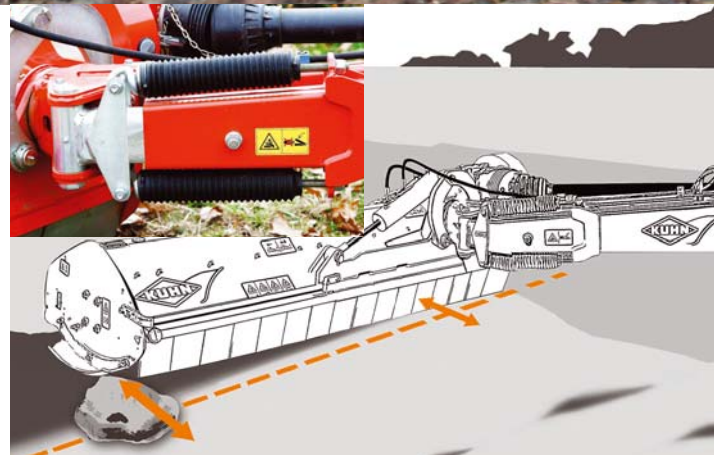
TBES

OFFSET-ARM VERGE SHREDDERS

FOCUS ON VERSATILITY



TB, TBE and TBES shredders are compelling in their versatility of use. Whether fighting weeds on field verges, maintaining grassy strips, ditches or banks or shredding the annual hedge growth – there is a solution for everyone. In diverse situations they carry out a reliable job, supported by their sturdy design and safety features to avoid damage. Their work output will enable you to perform work in record time.



TRIED AND TESTED STRENGTH

Designed for intensive use, the frame of the KUHN verge shredders is unmatched in its reliability and longevity. Some details:

- hitch frame 120 x 120mm and hitch yokes on TBE and TBES 102 series,
- a 80mm wide parallelogram arm fitted on Ø 40mm shaft (TBE/TBES 102),
- self-lubricating bushes on all pivot points.

PROTECTED AGAINST IMPACT

When meeting an obstacle, the machine frame is protected by a Non-Stop spring-loaded safety system (TBE 102, TBES 102, TB 100 Select). After the obstacle is cleared the machine will automatically return to working position. The TB 10 and TBE 10 series are equipped with a security on the arms. Moreover, the mechanical parts which are exposed to impact (body, belt guard, bearing...) are all protected and the casing features a bolted 4mm thick sheet metal lining for increased resistance to impacts and wear (not on TB 10).



WORK OUTPUT COMES FIRST

Owing to the special design of the shredder casing, large quantities of plants can be shredded at high speed. This is possible because of the following specificities:

- body geometry designed for improved suction and discharge of residues;
- 450mm rotor rotating at 2,203 min⁻¹ (TBE/TBES 102).

SUPERIOR STABILITY

Most of KUHN verge shredders are equipped with a tamping roller with removable end-pieces (except TB/TBE 10 series). Result: reduced and facilitated maintenance and improved work quality. For work on irregular land, the body is protected by wide, height-adjustable skids (fixed on TB models).

LIGHT. ROBUST. VERSATILE.

The TB series 10 shredder range includes three models with working widths of 1.40, 1.60 and 1.80 m. These machines are designed for grassy areas, parks and gardens. TB series 10 tools are light enough to be coupled to low-powered tractors (only 40 hp) and versatile enough to take care of all types of landscape maintenance.



SHREDDERS THAT ADAPT TO ANY KIND OF JOB

TB series 10 machines can work:

- Behind the tractor.
- In offset position.
- At angles of -45° to $+90^\circ$ for ditches.

TB 10 models also have additional offset of 66 cm to ensure perfect results anywhere, including between obstacles such as trees and electric pylons.



PATENTED TOOLS FOR A LONG LASTING ROTOR

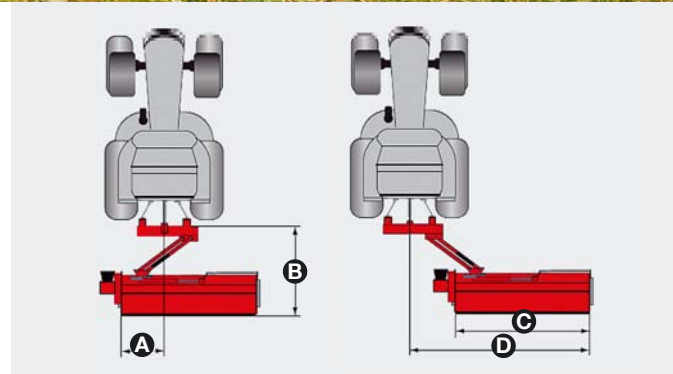
The patented hammer knives are made for shredding grassy areas. Their special shape moreover prevents damages on the rotor in case of an accidental impact, thus avoiding rotor imbalances.



CLEAN, WELL-KEPT GRASSY AREAS

On the TB 10 series the roller is positioned as close as possible to the rotor. In this way, all shredded material is ejected over the roller for quicker decomposition than if it would be compacted. The visual result will speak for itself. Main benefits of this design:

- excellent ground contouring,
- automatic cleaning by knives.



	TB 14	TB 16	TB 18
A	672 mm		
B	1,820 mm		
C	1,400 mm	1,600 mm	1,800 mm
D	2,160 mm	2,360 mm	2,560 mm
E	1,250 mm	1,450 mm	1,650 mm
F	-45°		
G	$+90^\circ$		

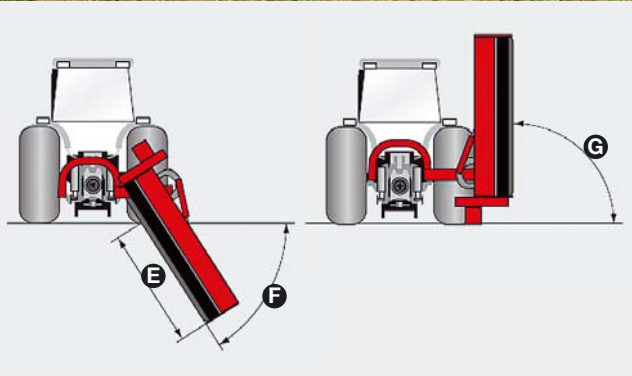
REDUCED MAINTENANCE AND DOWNTIME

A robust frame, a strong offset arm, pins and bushes that are protected against wear and a mechanical safety system on the linkage against impacts... all those features contribute to a long service life of the machine and less downtime. In compliance with current standards, there is also only one screw on the belt guards to loosen in order to access the belts.

TB**100 SELECT SERIES**

A SOLUTION FOR EVERYDAY SHREDDING

Maintenance work on a farm encompasses most different situations and conditions, but will mostly be carried out in grassy areas on an irregular basis. The TB 100 Select series meets these versatile farmer's requirements in verge, ditch and bank shredding. The shredders can be hitched behind tractors of only 60 to 80hp.



A STRONG, BUT LIGHT MACHINE

Designed for working times between 40 and 100 hours per year, the TB 100 Select models are made for individual farms:

- made of high-resistance steel with an excellent weight/strength ratio;
- strong hitch frame of section 100 x 100mm;
- bolted sheet metal lining;



SHREDDING AS YOU WOULD EXPECT

On the TB 100 Select models, you can choose from hammer (for grass, pasture) or universal knives (for scrub clearing). One counter knife is standard as well. A 400mm rotor and a roller with removable ends complete the performing aspect.

NON-STOP SAFETY BY SPRINGS

A Non-stop safety by springs is available to protect the structure against impacts. In order not to exceed the yield strength of the springs, a mechanical stop has been added.

TB 181

TB 211

	TB 181	TB 211
A	975 mm	975 mm
B	2,115 mm	2,115 mm
C	1,745 mm	2,030 mm
D	2,475 mm	2,760 mm
E	1,550 mm	1,850 mm
F		-65°
G		+90°

THE ULTIMATE MULTI-PURPOSE SHREDDER

Also the TBE 10 series have been designed for individual farms that need a versatile shredder to upkeep their field borders, hedges and other grassy areas. An important offset ensures an immaculate work between trees. Their power requirement starts at 60hp.



ROBUST AND RELIABLE

The TBE 16, 19 and 22 are perfect for 40 to 100 hours of utilization per year:

- large offset arms, made up by two twin tubular pieces of 140 x 60mm.
- welded sheet metal lining.
- bolted Hardox skids as standard to protect the casing on the roadside.

MECHANICAL SAFETY

The linkage system is equipped with a special inclined mechanical safety system. Due to the tilted link the machine moves backwards and up at the same time. This allows for automatic return once an obstacle is out of the way.

CONVINCING SHREDDING RESULTS

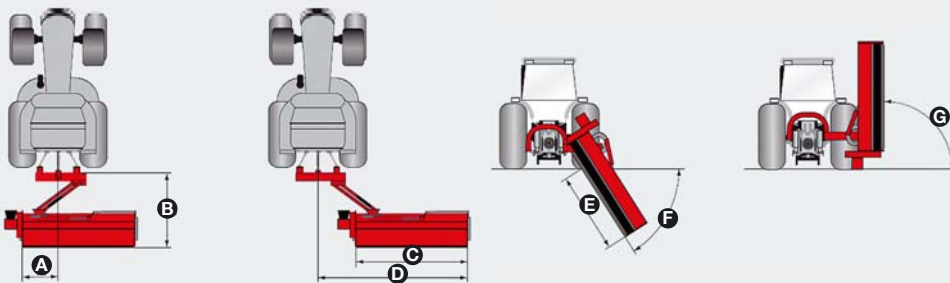
The TBE and TBES 10 series feature heavy hammer knives for operating in herbaceous residues and undergrowth. Universal knives, designed for scrub clearing, are also available. Two welded counter knives, a rotor of 425mm and a roller positioned very close to the rotor make up the ingredients needed for an impeccable work quality.

FOR PARTICULAR WORK POSITIONS

A wide-angle PTO joint is available as optional equipment, if you work regularly with the most important offset with your machine, or if you work regularly in vertical position.

MORE OFFSET FOR VERGE AND DITCH MAINTENANCE

The TBES 10 series completes the KUHN verge shredder range of multi-purpose machines, adding one important feature: its externally fitted gearbox. Farmers looking for a high offset to maintain their verges and ditches will find its kinematics very advantageous. In addition, these models feature all strong points, which also characterize the TBE 10 shredders.



KINEMATICS THAT STAND FOR VERSATILITY

Through its design with an outer drive casing, the TBES 10 series has a larger lateral offset capability than the TBE 10 models. 2,661 to 3,290mm measured from the centre of the tractor are possible. This characteristic means you can benefit from following advantages:

- It can work centered behind the tractor, offset or at an angle to work in ditches or on banks.
- It is the ideal shredder for extra-wide tractors.
- It is interesting for use in combination with a front-mounted shredder.

	TBE 16	TBE 19	TBE 22	TBES 16	TBES 19	TBES 22
A	695 mm			435 mm		
B	1,850 mm			1,850 mm		
C	1,531 mm	1,792 mm	2,144 mm	1,531 mm	1,792 mm	2,144 mm
D	2,401 mm	2,662 mm	3,030 mm	2,661 mm	2,922 mm	3,290 mm
E	987 mm	1,248 mm	1,596 mm	1,247 mm	1,508 mm	1,856 mm
F				-65°		
G				+90°		

VERSATILE AND STRONG!



As needs and practices in farming and landscape maintenance change, the TBE shredders have evolved towards the 102 generation. Farmers and contractors are satisfied with their performance: they have been designed for them!

These heavy-duty shredders are designed for higher workloads per year and more intensive use owing to their rugged construction. Available in working widths from 1.79 to 2.30m, they are suitable for maintaining field edges and paths as well as managing fallow land and grassy areas.



YOU MENTIONED VERSATILITY?

Through its kinetics, the TBE 102 models are suited for multiple uses. Positioned behind the tractor it is perfectly suited for path maintenance, while you can maintain verges, ditches, banks and hedges with this machine in angled and offset positions. Possible work angles range from -65° to $+90^{\circ}$. Grass and scrubs whether on slopes or in ditches will not resist these shredders. For a version with offset to the left, select the TBE 222.



HIGH-QUALITY SHREDDING

The shredding result will meet the expectations of professionals. Beside the extensive tool choice, two counter knives are welded inside the casing. The 180mm roller with removable ends is positioned closest to the rotor in order to prevent tamping residues and allow their fast decomposition. The curved lateral skids make the TBE 102 models glide smoothly over the ground.



RUGGED IN EVERY RESPECT

As is usual on KUHN shredders, also the TBE 102 series is made up of high-resistance steel. A 4mm welded sheet metal lining, protection bars at the front and a belt guard provide further protection and robustness. To prevent wear, the casing is protected by means of a bolted and curved Hardox skid: ideal for use on roadsides!



Some machines are not available in all countries. Please always check with your local dealer.

CHOOSE THE RIGHT TOOL!

1. Heavy hammer knife: for grass and pastures
2. Universal knife: recommended for scrub clearing
3. Articulated scoop flails: for intensive work in grassy areas, adapted for landscape maintenance professionals



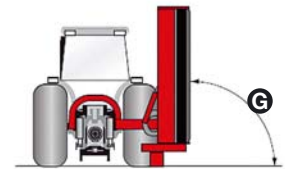
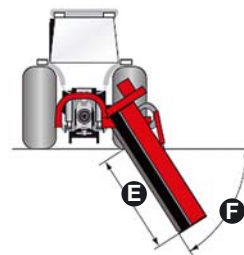
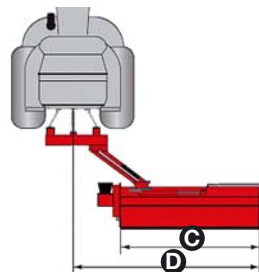
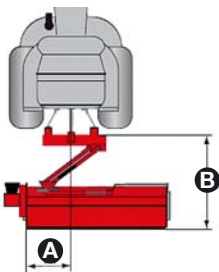
1



2



3



TBE 192

TBE 222

TBE 242

A	764 mm		827 mm
B	2,175 mm		
C	1,792 mm	2,144 mm	2,295 mm
D	2,806 mm	3,158 mm	3,244 mm
E	1,200 mm	1,550 mm	1,700 mm
F	-65°		
G	+90°		

TBES

102 SERIES

HEAVY-DUTY WITH MAXIMAL OFFSET

Comparably versatile and performing in its use as the TBE 102 models, the working width of the new TBES 102 range extends even further. Three models with 2.14, 2.30 and 2.50m are available, recommended for tractors from 90 to 180hp. Due to their specific design they can be used with wider tractors.

You have the same features and choice of knives as on the TBE 102 series.

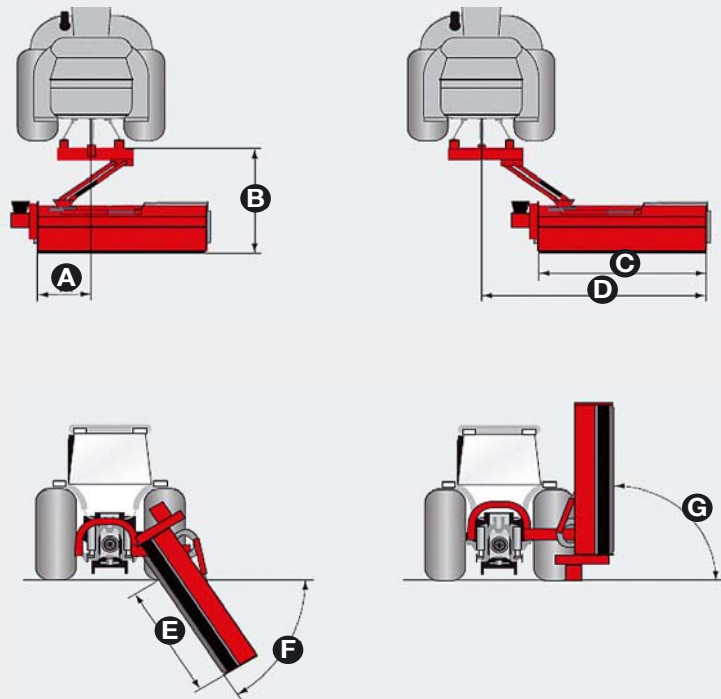




EVEN LARGER OFFSET

Through its design with an outer drive casing, the TBES has a large lateral offset capability. This characteristic means you can benefit from following advantages:

- The TBES is the ideal machine for wide tractors of 2.30m and more.
- The concept is interesting for use in combination with a front-mounted shredder.



	TBES 222	TBES 242	TBES 262
A		545 mm	
B		2,175 mm	
C	2,144 mm	2,295 mm	2,496 mm
D	3,376 mm	3,527 mm	3,728 mm
E	1,768 mm	1,918 mm	2,120 mm
F		-65°	
G		+90°	

SIMPLICITY IN A COMPACT MACHINE!

Quality of work and compactness are the two main characteristics of this roadside mower range. Suitable for tractors from 65 hp, the RSM models are at ease in a wide variety of conditions from 50 to 300 working hours per year.

The machine's leg-supported movements adapt to the ground contours to meet your requirements. The models in the RSM range have been designed to meet local authority needs for mowing work.

VERTICAL LIFT FOR VERSATILITY

This feature automatically compensates for uneven ground to complement the mower unit slewing cylinder. The models in the RSM range can therefore mow on a higher plane than the road level. The vertical lift function also makes it easier to mow shallow ditches while maintaining an optimum drive position.



OPTIMIZED MOWING UNIT

The body of the RSM models is designed for maximum output. Its casing is reinforced by a bolted sheet metal plate with Hardox steel skids. A 160 mm diameter roller with removable ends controls the mowing height.



A ROCK-SOLID DRIVE SYSTEM

The drive system comprises four automatically tensioned, high-capacity V-belts.



CHOOSE THE ADAPTED TOOL!

The rotor can be equipped with two types of tools:

1. Articulated scoop flails: specialized tools for intensive work in grassy areas.
2. Articulated hammer knives for mowing in tough conditions (irregular, rocky terrain, etc.).



ATTACHMENT WITH HYDRAULIC OFFSET

The RSM can be fitted with a hitch frame incorporating horizontal offset by sliding. This concept reduces overhang and limits stress in the structure during offset manoeuvres. With a 580 mm offset, obstacles can be quickly and easily avoided.

Some models are not available in all countries. Please always check with your local dealer.

YOU CAN RELY ON A KUHN MACHINE!

The structure of the chassis and leg are worthy of a KUHN design: in the event of a collision with an obstacle, the mechanical safety device will protect the machine structure. A hydraulic Non-Stop security is available as option.

- Design featuring reassembled components.
- Cell-type wear bushes fitted to all joints.



SPRING-LONGER

RP/RPF SERIES

AN OUTSTANDING PERFORMER!

The SPRING-LONGER range offers truly professional roadside mowers, designed for high output work. Available in rear or front mount, the SPRING-LONGER is also a benchmark in terms of versatility with its capacity to mow a wide variety of verges.

With its 900mm horizontal and vertical offset combined with its front/rear safety feature, plus a 100% effective mower unit, the profitability of your investment is ensured!



FRONT AND REAR SAFETY!

To improve on-the-job flexibility and reduce mechanical stress, all SPRING-LONGER models are equipped with a double hydraulic safety function. Due to the specific nature of the cylinder, the mower unit can pivot rearwards in the event of a frontal collision (1), and also forwards if an unintentional reversing manoeuvre is made (2). Resetting is automatic thanks to the three nitrogen ball accumulators fitted as standard on the machine (3).



STRUCTURE: “PUBLIC WORKS” BUILT

MOWER UNIT: SPEED AND QUALITY OF WORK

High mowing rates can be achieved due to the geometry of the mower head, developed without a “bottleneck”, and its 120 hp gearbox (4).

The rotor bearing is incorporated into the gearbox for improved protection. Quality of work is assured by the high rotor speed of 2,530 min⁻¹. The XTREM sensor roller is equipped with removable ends and a large-diameter tube (168 mm) (5).

To ensure long life, the head friction shoes are made of hardened steel whereas the casing is designed with double-thick steel plate. The rotor is equipped with wire protection baffles for improved protection of the half-bearing. Four automatically tensioned cog-type V-belts drive the rotor (6). The speed is changed (540 or 1000 min⁻¹) simply by reversing the pulleys.



4



5



6

BUILT-IN RELIABILITY!

The uniform design features reassembled, non-tubular components and very high yield steel. It ensures greater mechanical strength while reducing the weight of the structure. All joints are mounted on cell-type bushes.



HORIZONTAL PIVOT OFFSET MAKES ALL THE DIFFERENCE!

With the hydraulic pivot concept, a huge 900 mm horizontal offset can be reached. The mower unit can avoid obstacles easily and effectively. The pivot also makes it possible to work behind part of the tractor wheel on narrow paths. The tractor-machine assembly is more compact, offering maximum safety to road users.



7



8



9

VERTICAL OFFSET: AN ESSENTIAL FEATURE!

For maximum versatility, the RP models in the SPRING-LONGER range are equipped with a hydraulic lift function. In “Flat mowing” and “Bank” modes, the lift cylinder automatically compensates for the humps and hollows along the verge. It therefore complements the mower unit slewing cylinder. The mower head lifts, lowers and tilts without any operator action (7). In “Ditch” mode, the vertical offset function lifts the mower unit 600mm. The universal joint works in a good position and with higher ground clearance. The 70° head angle therefore optimizes its full potential (8). In “clearing” mode, mowing is possible on a plane situated above the road level (9).

PRO

THE MOUNTAINEER AMONG THE LANDSCAPE SHREDDERS!

This front-mounted shredder is the right one for intensive agricultural or landscape maintenance work, especially designed for working on slopes.

From roadside maintenance to scrub clearing work, the two shredder models are also adequate for upland meadow maintenance.



A «PRO» STRUCTURE



A COMPACT MULTI-PURPOSE UNIT

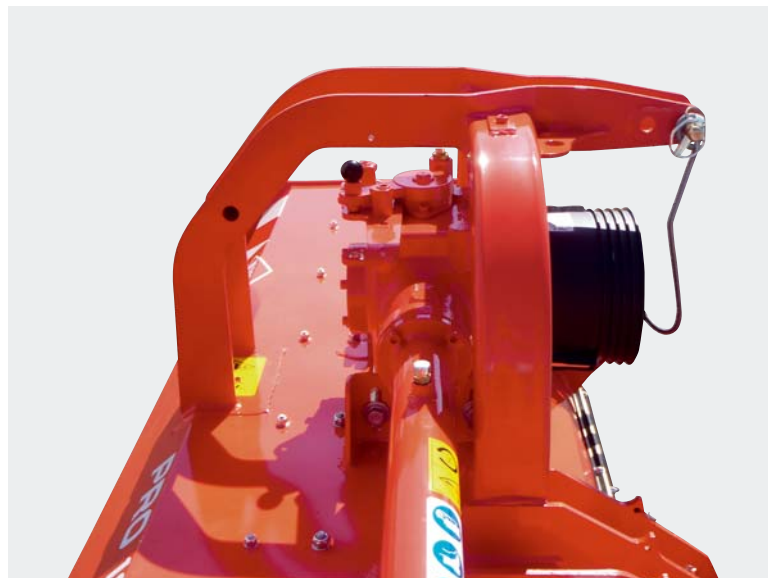
The PRO shredders are ideally adapted for coupling to REFORM and AEBI tractors, especially designed for working on slopes. An overhang reduced to a minimum ensures excellent load distribution and perfect stability.

The PRO has been designed to withstand the toughest conditions, owing to:

- its structure made of high-yield strength steel (Domex) integrating two transversal beams;
- its inner and outer reinforcements at the point where the tractor lift arms are attached;
- its bolted sheet metal lining for optimum protection against wear and shocks.

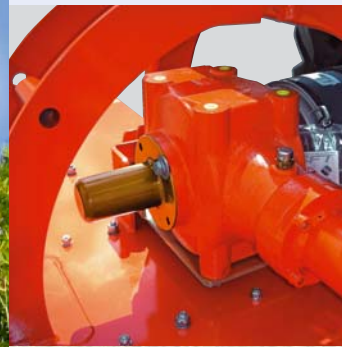
Apart from these assets the designers have also focused on weight reduction.

The specific steel ensures that you will benefit from an improved weight /robustness ratio.





THE KUHN PLUS



Standard gearbox



Two-way rotor gearbox

OPTIMUM FLEXIBILITY

According to the working conditions, the PRO can be equipped with a standard or two-way rotor gearbox. In difficult conditions with a high presence of scrub and wood residues, the latter will provide you with the flexibility you need.



HIGH-FLOW, HIGH-QUALITY

Even at high speed, the PRO shreds impressive quantities of plants thanks to the large 470mm diameter rotor, its helical tool layout and a drive speed of 2,300 min⁻¹. To adjust the shredding fineness to your requirements, the casing includes a retractable counter-knife.



FLAWLESS WORK QUALITY

Articulated universal knives are adapted to shred grass and scrub in all situations (roadsides, scrub clearance, green spaces, pastures). Results ensured with standard or two-way rotor gearbox!



EXCELLENT GROUND FOLLOWING

According to the working conditions, the PRO shredders will follow the terrain reliably in order to reduce maintenance costs. This is possible due to the roller of 160mm diameter and with removable ends, which is positioned closest possible to the rotor.



RELIABLE ALSO IN INTENSIVE WORKING CONDITIONS

To meet the most intensive use criteria, the PRO shredder is fitted with:

- a central gearbox that accepts a maximum power of 150hp.
- a rotor drive per POWERBAND XPB 3 strand belt.
- side skids with interchangeable wearing parts in order to reduce wear and operating costs.

Specifications

Offset Arm Verge Shredders

	TB 14	TB 16	TB 18	TB 181 SELECT	TB 211 SELECT	TBE 16	TBE / TBES 19	TBE / TBES 22	TBE 192	TBE / TBES 222	TBE / TBES 242	TBES 262	
Attachment	3 point - cat. 1 & cat. 2			3 point - cat. 2									
Working width (m/ft)	1.40/ 4'6"	1.60/ 5'3"	1.80/ 5'11"	1.75/ 5'9"	2.03/ 6'8"	1.53/ 5'	1.79/ 5'10"	2.14/ 7'	1.79/ 5'10"	2.14/ 7'	2.30/ 7'7"	2.50/ 8'2"	
Overall width (m/ft)	1.60/ 5'3"	1.80/ 5'11"	2.00/ 6'7"	2.04/ 6'8"	2.33/ 7'8"	1.78/ 5'10"	2.04/ 6'8" (TBE) 2.33/ 7'8" (TBES)	2.39/ 7'10" (TBE) 2.68/ 8'10" (TBES)	1.98/ 6'6"	2.42/ 7'1" (TBE) 2.70/ 8'10" (TBES)	2.57/ 8'5" (TBE) 2.92/ 9'7" (TBES)	3.12/ 10'3"	
PTO speed (min ⁻¹)	540												
Tractor power requirement (kW/hp)	26/35	29/40	37/50	48/65	51/70	44/60	51/70	59/80		66/90	74/100	81/110	
Max. authorized DIN motor power at 540 min ⁻¹ (kW/hp)	63/80			81/110				96/ 130	110/ 150	125/ 170	132/ 180		
Free wheel	◆ (built into the casing)												
Number / type of belts	2 / SPBX	3 / SPBX			3 / SPBX		4 / SPBX	4 / XPB QP3					
Rotor diameter (mm/in)	425/16.7"			400/15.7"		450/ 17.7"	450/17.7" (TBE) 425/16.7" (TBES)		450/17.7"				
Rotor speed (min ⁻¹)	2,218					2,325		2,203					
Linear speed of tools (m/s)	44			47		52		52					
Number of hammer knives	20	24	28	24	28	-		20	24	26	28		
Number of heavy hammer knives	-					18	20	24	-				
Number of universal knives	-			48	56	36	40	44 (TBE) 48 (TBES)	40	48	52	56	
Number of articulated scoop flails	-									48	54	60	66
Number of counter-knives	1 (welded)			1 (bolted, notched)		2 (welded, smooth)		2 (welded)					
Height adjustment	by roller with fixed ends			by roller with removable ends		by roller with fixed ends		by roller with removable ends					
Roller diameter (mm/in)	160/6.3"			140/5.5"		168/6.6"		180/7.1"					
Sheet metal lining	-			◆ (bolted, 4 mm)		◆ (welded, 4 mm)							
Non-stop safety system	◆ (mechanical)			◆ (spring with mechanical stop)		◆ (mechanical link hitch)		◆ (spring with mechanical stop)					
Weight with equipment (kg/lbs)	460/ 1,014	480/ 1,058	500/ 1,102	760/ 1,676	780/ 1,720	744/ 1,640	774/ 1,706 (TBE) 815/ 1,795 (TBES)	804/ 1,773 (TBE) 890/ 1,960 (TBES)	925/ 2,039	970/ 2,138 (TBE) 1,015/ 2,238 (TBES)	1,000/ 2,205 (TBE) 1,045/ 2,304 (TBES)	1,070/ 2,359	
Required hydraulic equipment	1 x SA + 1 x DA												

◆ standard ◇ option -- not available

Optional equipment: wide-angle PTO - cable control.



be strong, be **KUHN**

KUHN PARTS

Designed and manufactured to rival time



KUHN foundries and forge as well as a high-level manufacturing process allow the production of spare parts to defy time. You can truly rely on our know-how and our genuine parts. Farmers benefit from our client support and logistics services via any KUHN PARTS warehouse, which provide quick and reliable repair solutions in cooperation with your nearest authorized KUHN dealer.



Specifications

Front-Mounted Shredders

	PRO 180	PRO 210
Attachment	3-point, cat. 1 and 2	
Working width (m/ft)	1.75/5'9"	2.10/6'11"
Overall width (m/ft)	2.03/6'8"	2.40/7'10"
PTO speed (min ⁻¹)	540 or 1,000 (to specify when ordering)	
Power requirement (kW/hp)	45/60	50/70
Max. authorized DIN motor power at 1,000 min ⁻¹ (kW/hp)	110/150	
Free wheel	on primary PTO	
Number / Type of belts	1 / Powerband 3 strands XPB	
Rotor diameter (mm/ft)	470/1'7"	
Rotor speed (min ⁻¹)	2,239 (PTO speed 540 min ⁻¹) 2,285 (PTO speed 1,000 min ⁻¹)	
Tool speed (m/s)	56.1 (PTO speed 540 min ⁻¹) 57.3 (PTO speed 1,000 min ⁻¹)	
Number of articulated universal knives	72	84
Shackle diameter (mm/in)	14/0.55"	
Height control	Ø 160 mm roller with removable ends	
Hydraulic equipment required	-	
Weight with equipment (kg/lbs)	475/1,047	535/1,180

Specifications

Professional-Duty Roadside Mowers

	RSM		SPRING-LONGER				
	180	210	1680 RP(L)	2080 RP(L)	2380 RP(L)	1680 RPF(L)	2080 RPF(L)
Position of the mower unit	side rear			front (right or left)			
Working width (m/ft)	1.80/5'11"	2.10/6'11"	1.60/5'3"	2.00/6'7"	2.30/7'7"	1.60/5'3"	2.00 / 6'7"
Vertical offset (m/ft)	0.60/2'						
Ditch angle	-55°		-70°				
Bank angle	90°						
Transport height with 0.5 m ground clearance (m/ft)	2.85/ 9'4"	3.15/ 10'4"	2.60/ 8'6"	3.00/ 9'10"	3.30/ 10'10"	2.60/ 8'6"	3.00/ 9'10"
Horizontal offset (m/ft)	0.58/1'11" (optional)		0.90/2'11"				
Mower unit safety	mechanical, rear		hydraulic, independent, in forward and backward drive			rear hydraulic	
Attachment	3-point, cat. 2		semi-automatic hitch, cat. 2 or 3				
STABI-LINK frame	-		◇			-	
PTO speed (min ⁻¹)	540		540 or 1,000 (by reversing the pulleys)				
Belts	4 cog-type V-belts						
Rotor speed (min ⁻¹)	2,210		2,530				
Shackle diameter (mm/in)	16		14				
Number of articulated scoop flails	48	54	42	54	60	42	54
Number of articulated hammer knives	20	24	-				
Rotor tube diameter (mm/in)	152/6"						
Rotor diameter (mm/in)	425/16.7"		-				
Sensor roller diameter (mm/in)	160/6.3"		168/6.6"				
Sensor roller type	removable ends		XTREM with removable ends				
Projection guards	◆		◆ (front and rear flaps)				
Bumpers and lighting/signalling	◆						
Hydraulic offset	◇		◆				
Hydraulic Non-Stop security	◇		◆				
Power requirement (kW/hp)	50/65	55/75	59/80				
Min. tractor weight (kg/lbs)	3,000/6,614		3,500/7,716			5000 (4000 to 4500 reinforced linkage)	
Required hydraulic equipment	2x SA (1x DA for optional hydr. offset)		1x SA + 1x DA + electric circuit selector				
Weight (kg/lbs)	860/1,896	965/2,127	1,285/ 2,833	1,365/ 3,009	1,425/ 3,142	1,285/ 2,833	1,365/ 3,009

◆ standard ◇ option -- not available

Optional equipment: may vary from one country to another.

DECIDE FOR THE SHREDDER, WHICH EXACTLY FITS YOUR NEEDS!

Offset Arm Verge Shredders

	TB	TBE	TBES	PRO
Intensity of use	+	++	+++	++
Front / rear attachment	rear	rear	rear	front

+++ optimum ++ very good + good o suitable

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1 & 2. Hedge and grass cutters (left or right) with a horizontal reach of up to 7.40 m 3. Salt and sand spreaders

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