



AT THE END THE RESULT COUNTS.
AT THE BEGINNING **KNOCHE**.

THE TRUE CUTTING EDGE – SPEEDMAX FROM KNOCHE



KNIFE ROLLER



SINCE
1790

“The worldwide success of our farming machinery is the result of seven generations of experience. We are proud of that and work towards our greatest goal everyday – finding the best solution for our customers, and nature.”

Jörg Knoche



1ST CLASS RESIDUAL PLANT SHREDDING WITH ROTATING X-CUT

It's time to get to the root of your residual plants. The SPEEDMAX is the highly efficient knife roller in our portfolio.

“Mechanical weed control” is key to both organic and conventional farming to minimise or even reduce the amount of chemicals used to zero. SPEEDMAX from KNOCHE has two rotating cutter rollers with 390 mm diameter and opposing blades. They achieve a very narrow crosscut on the soil.

The result: large amounts of residual plants are cut deep down into their roots and veritably catapulted out – especially in moist soil.

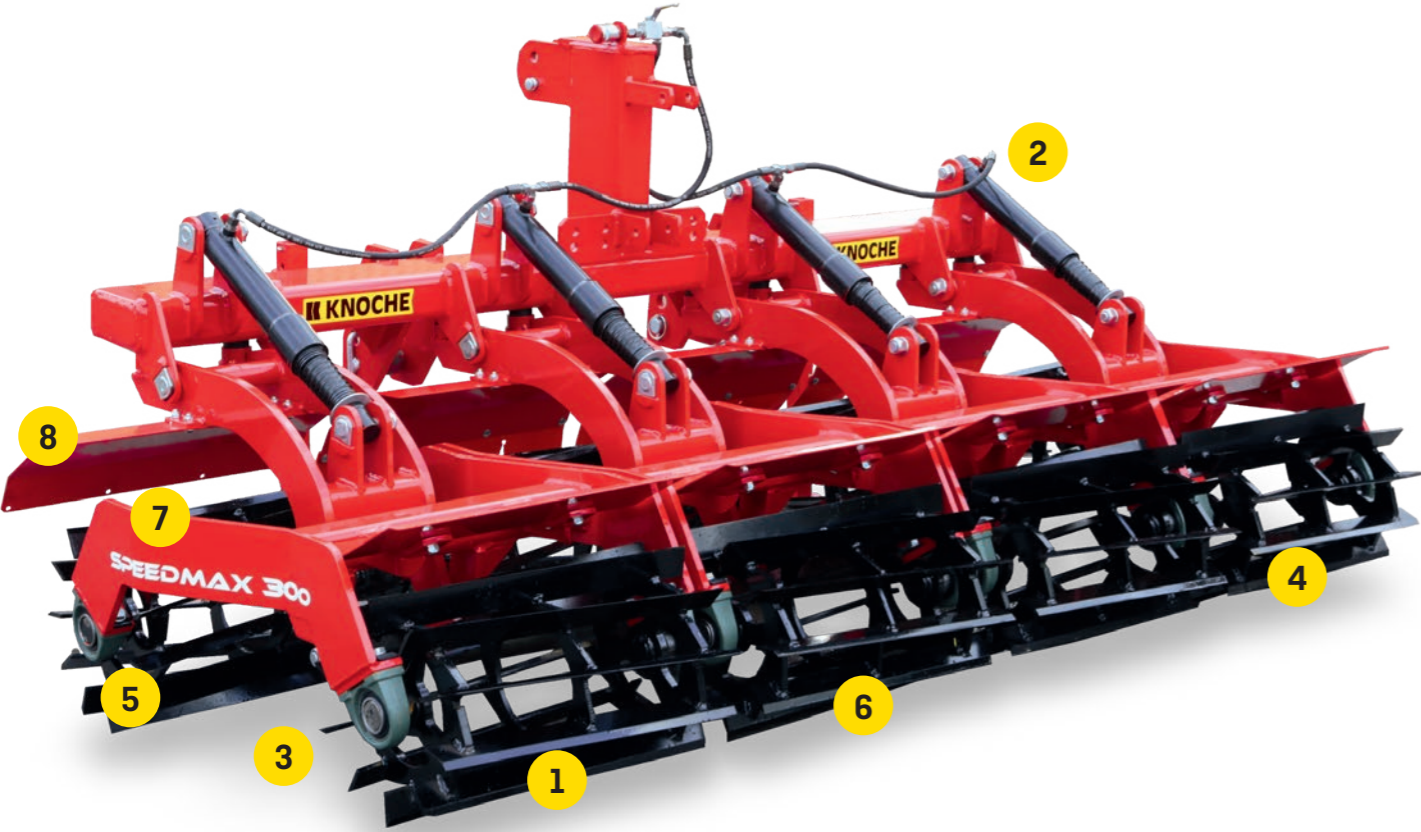
Sharp blades shred catch crops such as mustard, rapeseed and phacelia. The short roller sections are a further advantage. Each element is just 75 cm wide. That allows for optimised adaptation to the soil contour.

New crop protection directives and stricter fertilisation regulations pose increasingly significant challenges to modern agriculture. Residual plants are therefore ideal for nutrient provision, nitrogen accumulation, and humus.

LATEST TECHNOLOGY

EFFICIENTLY PUT INTO PRACTICE

SPEEDMAX sets new standards in residual plant shredding – eight essential highlights:




- 1 75 cm short individual elements
- 2 Hydraulic contour adjustment
- 3 Pedestal bearing
- 4 10 cm blade spacing
- 5 Opposing turned rollers for X-cut
- 6 Open cage roller without central axis
- 7 Bogie frame
- 8 Stone guard




KNIFE ROLLER

FACTS AND FIGURES




**1.5–5.6 m
Width**

- starting from 4.5 m working width, fully hydraulically fold-able with hydraulic transport locking



**45–43 HP
Power**



CAT II–III

TECHNICAL DATA				
	SPEEDMAX 150	SPEEDMAX 300	SPEEDMAX 450	SPEEDMAX 560
Working width	150 cm	300 cm	450 cm	560 cm
Attachment type	CAT II	CAT II–III	CAT II–III	CAT II–III
Attachment type	Rear and front	Rear and front	Rear and front	Rear and front
Power requirement from	45 HP	60 HP	85 HP	120 HP
Working speed	20–25 km/h	20–25 km/h	20–25 km/h	20–25 km/h
Area performance	3.25 ha/h	7.5 ha/h	11.25 ha/h	14 ha/h
Roller diameter	390/390 mm	390/390 mm	390/390 mm	390/390 mm
Number of blades	10/11 pieces	10/11 pieces	10/11 pieces	10/11 pieces
Cut length	6–11 cm	6–11 cm	6–11 cm	6–11 cm
Width per element	75 cm	75 cm	75 cm	75 cm
Weight	700 kg	1,050 kg	1,650 kg	2,200 kg



Plate equipment




Knife equipment



Stone guard for front operation



Stone guard for rear operation



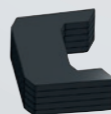
Lighting rear



Lighting front



Front protection rubber



Additional weight

TECHNICAL DETAILS FOR SPECIAL JOBS



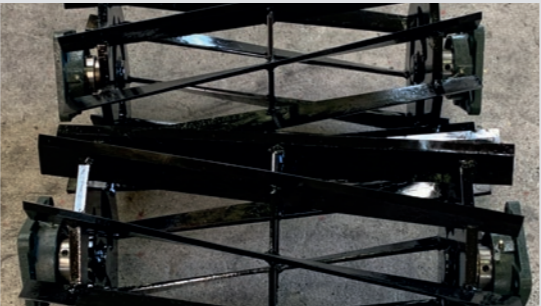
Stable basic frame of S 355 MH fine grain steel. Welded by DIN 9606-certified welders in Germany



Hydraulic cylinders ensure smooth operation even at high working speed



Guard plates protect the tractor from stone damage



Opposing blades provide cross-cut



Pedestal bearings enable simple assembly and dismounting of roller rotors



Bogie frame ensures smooth operation even on uneven terrain



Close blade spacing ensures short cut length of residual plant



Z-spaced rows avoid gaps between roller sections



Phacelia



Cross-cut



White mustard



Precise catch crop shredding



Whole-crop-silage maize



Grass uprooting



Ultra-flat and watersaving rapeseed stubble cultivating



Maize stubble



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provided by:

Technical data and images approximate and non-binding. Subject to change.