

PREPARING THE FIELD FOR SOWING **KNOCHE SEEDBED PREPARATION**

⊕ SEEDBED PREPARATION



SEEDBED PREPARATION

MAKE THE FIELD READY FOR SOWING



KNOCHE Maschinenbau offers
the best machines for seedbed preparation
in order to prepare an optimal seedbed
for high-quality yields.

We distinguish between drill combinations and seedbed combinations. Both machines are responsible for preparing the seedbed. They are characterized by a high area efficiency, low wear, compact and stable construction and low energy costs. By using machines manufactured by KNOCHE you meet the requirements of a modern seedbed preparation which suits local conditions.

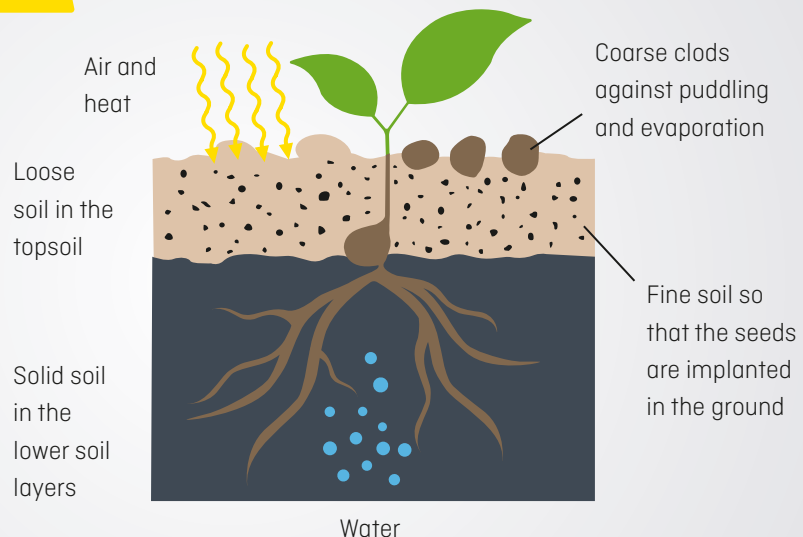
KNOCHE Maschinenbau offers a wide range of possible combinations, because the requirements of seedbed preparation are very different.

Whether drill combinations or seedbed combinations – the selected machine has to be suited for the system of the agricultural holding and individual soil conditions. There are significant differences from region to region and the soils

and the requirements vary. Thus, the seedbed has to be prepared in a correct manner in spring and in autumn in order to prepare an ideal seedbed. This is the basis for the best growth of the field crops and important for the yields.

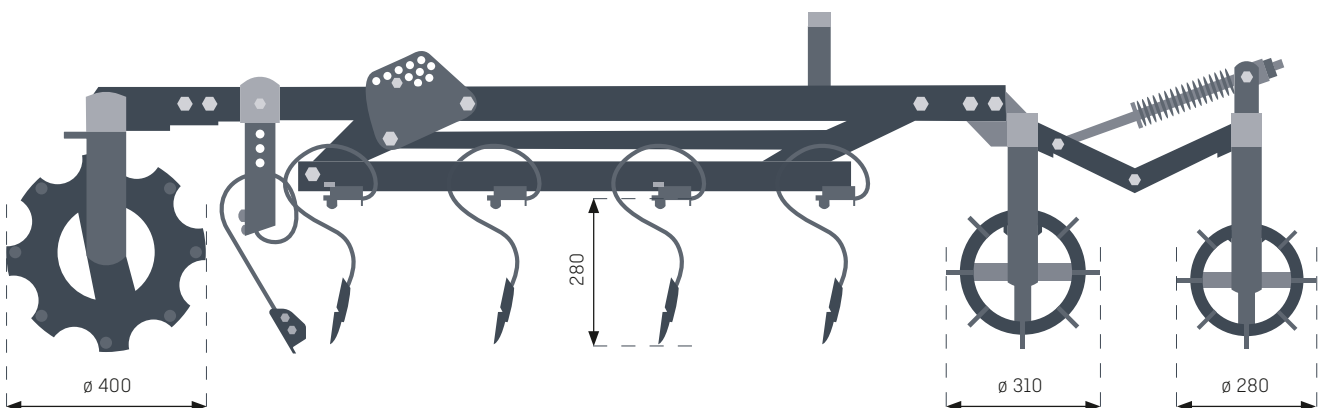
OPTIMAL SOIL CONDITIONS

Fine soil that is protected from drying-up and puddling by coarse clods provides best germination conditions for the seeds implanted in the seedbed.



During the seedbed preparation the soil is broken up and loosened. The crumbling rollers mix the soil so that the fine soil is implanted in the seedbed. The coarse clods cover the fine soil and protect it from drying-up and puddling. Thus, best germination conditions for the seeds are provided!

By means of other tools such as track eradicator, front rollers, track or tine KNOCH Maschinenbau offers optimal complementary tools for the various machine types in order to obtain a high-yielding harvest – suitable for the individual conditions.



TERRA DRT AND DRT/H-FW: THE PROFESSIONAL MACHINE

The spring-mounted components of the drill combination TERRA ensure optimal adaption to every type of ground contours as well as even weight distribution across the entire working width.

The drill combination TERRA is available in working widths from 3 m to 9 m. Its mode of operation is quite simple: A front roller breaks up the clods, moves the soil and supplies the following levelling bar with the soil that has to be distributed and levelled. Afterwards the soil is broken up by means of the four row tine section, aerated and mixed in an

optimal manner. The precise depth guidance of the tines ensures that the optimal soil condition is preserved, fine soil is implanted in the right seedbed and the seedbed is perfectly prepared for field emergence. A fast and cost-efficient seedbed preparation can be carried out at working speeds of 8 to 15 k.p.h.



Drill combination TERRA in its standard version and its possible variations



Centrally placed Crosskill component for a better crumb structure and better re-compacting of the soil



Crosskill roller in combination with Crosskilette for demanding, heavy soils for even better re-compacting of the soil



Breaker ring roller with Crosskilette for clayey, demanding soils



COMPONENT TERRA

- 1** Pendulum mounted for best adaption to ground contours
- 2** Four row tine section with double-bladed tines that can be adjusted in parallel
- 3** Double rollers for good re-compacting of the soil and a very fine crumbling of the soil structure
- 4** Spring-loaded levelling bar with tines for the levelling of the soil
- 5** Tubular packer roller for the breaking up of clods



Four row tine section with sweeps so that plants are cut completely



Corrugated discs at the front so that heavy vegetation can be cut

DRILL COMBINATION DK: EVERYTHING IN ONE OPERATION

The DRILL COMBINATION DK MANUFACTURED BY KNOCHE is the simple solution for passive seedbed preparation – everything is done in one operation. The machine is also equipped with diverse programs.

The DRILL COMBINATION is equipped with an individually adjustable levelling bar made of 200 mm steel channel with integrated square tines and a double row tine section that can be adjusted continuously by means of a spindle. The machine is equipped with a hydraulic lifting device, including mounting parts for the seed drill, as standard.

The DRILL COMBINATION MANUFACTURED BY KNOCHE convinces by a wide range of freely combinable optional extras – for example rear rollers for crumbling and re-compacting of the soil. Upon request, the drill combination can also be equipped with brake tines.



Adjustable levelling bar with square tines, double row tine section with parallel height adjustment, rear rollers that can be selected from the wide KNOCHE product range



SEEDBED COMBINATION K AND KH: TWICE THE IMPACT-BETTER RESULT

The SEEDBED COMBINATION KH MANUFACTURED BY KNOCHE is the classic machine for seedbed preparation. Due to numerous possible combinations this machine offers the best types for your soil.

Its simple construction with harrow sections of 1,1 m and 1,4 m offers working widths from 2,9 m to 8,4 m. Heavy harrows, harrows with back gate tines or harrows with tines "PF" are combined with the proven double crumbling roller. It is also possible to combine different harrows.

The harrow sections are suspended on chains and follow the level of the section in an optimal way. By rehanging the chains and lowering the levers depth and re-compacting are determined. Thus, the necessary amount of fine soil in the germination horizon and the capillary connection to the subsoil are guaranteed.

By passing the field once or twice an optimal seedbed is prepared. The rollers with a diameter of 280 mm and 310 mm are equipped with the unique toothed ridges manufactured by KNOCHE. As they are very sharp, they ensure a good crumbling. Due to high circumferential speeds at the rollers the clods are broken up in order to prepare the perfect seedbed.



KOMBIMAX SKM: EASY DEPTH GUIDANCE

The seedbed combination KOMBIMAX SKM MANUFACTURED BY KNOCHE is the little brother of the drill combination TERRA because of its Germinator gear tine and the front roller.

The seedbed combinations KOMBIMAX and PROMAX MANUFACTURED BY KNOCHE are the further developed versions of the classic seedbed combination KH. They are characterized by three-point linkage, are manoeuvrable when turning at the edge of the field and prepare even "the least accessible areas of the seedbed".

In case of the seedbed combination KOMBIMAX SKM the entire harrow section is arranged between the rollers. Thus, the easy depth guidance of the harrow is guaranteed. The chains are suspended via a lever at the front and at the rear. The harrow section therefore gets the manoeuvrability that it needs for a flexible mode of operation.



Front roller, levelling bar with tines and four row tine section with Germinator gear tines



PROMAX PRM: PRECISE AND COST-EFFICIENT

The seedbed combination PROMAX MANUFACTURED BY KNOCHE actively contributes to cost savings due to the tractor's low fuel consumption and few cost-effective, usual wearing parts.

The modern seedbed combination PROMAX is available in the following working widths: 3 m, 4,5 m and 6 m. It can be equipped with a harrow with tines "PF", Germinator gare tines or a harrow with back gare tines. Its flat bar crumbler with a diameter of 360 mm and the crumbling roller with a diameter

of 310 mm that are mounted on the spring steel shaft with a diameter of 60 mm ensure a good crumbling. The depth is adjusted by means of perforated plates in an easy, exact and fast way. This guarantees good and even field emergence even in case of sensible seeds.





FACTS AND FIGURES

DRILL COMBINATIONS



Drill combinations DK



2,5–4 m



CAT II–III



60–120 HP



TERRA DRT,
TERRA DRT/H-FW



3–9 m



CAT III



80–285 HP

DRILL COMBINATIONS













Designation	Sections/ pieces	Working width	Transport width	Power requirement	Weight
		cm	cm	HP	kg
DK					
DK 25	2	250	250	60–75	660–890
DK 30	2	300	300	80–90	880–1.100
DK 40	2	400	400	110–120	1.020–1.450

TERRA DRT AND DRT/H

TERRA DRT 30	2	300	300	85–90	2.200–2.500
TERRA DRT/H 40	3	400	295	100–110	3.950–4.500
TERRA DRT/H 45	3	450	295	110–130	4.250–4.950
TERRA DRT/H 60	4	600	305	150–170	5.400–5.950
TERRA DRT/H-FW 80	6	800	330	250	8.300
TERRA DRT/H-FW 90	6	900	330	285	8.500

FACTS AND FIGURES

SEEDBED COMBINATIONS

 Seedbed combinations KOMBIMAX SKM	 2,9–8,4 m	 CAT II–III	 55–180 HP
 PROMAX PRM PROMAX PRM/H	 3–6 m	 CAT II–III	 100–180 HP
 K, KH	 2,9–8,4 m	 CAT II–III	 40–150 HP

SEEDBED COMBINATIONS

Designation	Sections/ pieces	Working width cm	Transport width cm	Power requirement HP	Weight kg
KOMBIMAX SKM					
KOMBIMAX SKM 300	2	300	300	55	720
KOMBIMAX SKM 440	4	440	300	100	1.480
KOMBIMAX SKM 500	4	500	300	120	1.620
KOMBIMAX SKM 560	4	560	300	140	1.680
KOMBIMAX SKM 720	6	720	300	180	2.400

PROMAX PRM AND PRM/H

PROMAX PRM 30	2	300	300	100	810–870
PROMAX PRM/H 45	3	450	300	150	1.540–1.630
PROMAX PRM/H 60	4	600	300	180	1.940–2.060

K AND KH

K 290	2	290	290	40	444–526
KH 390	3	390	300	75	705–780
KH 560	4	560	300	100	1.036–1.200
KH 720	6	720	300	130	1.626–1.826
KH 840	6	840	300	150	1.758–1.986



KNOCHE MASCHINENBAU GMBH

Rotrehre 23

D-31542 Bad Nenndorf

Tel.: +49 57 23/94 76 70

Fax: +49 57 23/94 76 86

presented by:

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