

 **HORSCH**

Express TD

COMPACT – EFFICIENT – PRECISE





Express TD

OUR DRIVE IS THE SOIL.

- Safe emergence due to perfect seed embedding
- Optimal utilisation of ideal sowing times due to maximum work rate and operational speeds of up to 20 km/h

- Simpler, safer, faster – consistently implemented in the entire adjustment process
- Compact arrangement of tools in 3-point linkage

TurboDisc seed coulters



THE THIRD GENERATION GUARANTEES A HEADSTART IN THE FIELD OF SEED PLACEMENT

A perfect embedding of the seed and an immediate seed-soil contact are important for a safe and even emergence. HORSCH perfectly copes with the challenge to achieve this objective even at high operational speeds. The solution is called TurboDisc. The double disc coulters that have been used and constantly developed further by HORSCH for more than 20 years excel due to their precise seed placement. The press wheel-controlled coulters design allows for a quick following of the soil contours at high speeds. Thus, the set placement depth can be kept up for every single grain.

The double disc seed coulters with maintenance-free bearing opens the soil, allowing for undisturbed seed placement. The integrated Uniformer ensures the fixing of the seed at the bottom of the seed furrow even at very high operational speeds. A carbide coated scraper keeps the space between the discs clean and thus prevents clogging even in sticky and wet conditions. The 5 cm or 7.5 cm wide press wheel then ensures an optimum seed-soil contact and an exact depth control.

In addition to the excellent contour following, the TurboDisc seed bar excels due to the easy operation: with regard to their adjustment, coulters pressure and seed depth do not influence each other. The maintenance-free rubber bearings of the seed coulters transfer a coulters pressure of up to 125 kg and thus guarantee a smooth coulters – up to an operational speed of 20 km/h. Furthermore, the rubber bearing serves as an overload protection and a shock absorber for stones.

- Double disc coulters
- Creates a precise seed furrow
- Press wheel controlled (5 cm or 7.5 cm wide)
- Uniformer prevents the grains from bouncing
- Inside scraper prevents blocking and clogging of the coulters
- Coulters pressure up to 125 kg via rubber torsion
- Designed for precise seed placement at high operational speeds
- Allows for an even and safe emergence



5 cm wide press wheel – ideal on medium and heavy soils



7 cm wide press wheel – ideal on light soils



The movable scraper ensures a high self-cleaning effect in wet conditions



The HORSCH Uniformer ensures a precise fixing of the seed



The straight harrow – TurboDisc seed coulters harrow is controlled individually for a more efficient tillage



HORSCH TurboDisc seed coulters

PACKER SYSTEMS

VERSATILE FOR OPTIMUM RESULTS

The depth effects and the main applications of the different HORSCH packer versions.



FarmFlex packer

Tyre packer with AS profil

FarmFlex packer

- Robust rubber roller with a diameter of 54 cm
- Strip consolidation in the shape of a furrow
- Ideal on medium soils with non-sticky soils

Tyre packer with AS profil

- Targeted and even levelling and consolidation in front of each seed coulter
- Straight tyre profile increases consolidation in the consolidation area
- Efficient consolidation below the seed horizon for better water distribution towards the seeds
- Low horsepower requirement due to large tyre diameter and no scrapers required



The FarmFlex packer reduces crusting due to strip consolidation.



Low horsepower requirement due to large tyre diameter and no scrapers required

DiscSystem

- Efficient crumbling and even levelling over the whole working width
- High clearance extends the range of applications and increases reliability
- Increasing quality of work with increasing operational speed
- Hydraulic depth adjustment, infinitely variable while driving



Efficient crumbling and even levelling over the whole working width



DiscSystem hydraulically adjustable with well-known depth indicator

HORSCH metering system / HORSCH rotors

- Exact application
- Optimum seed distribution
- HORSCH rotor selection – find the optimum rotor for your machine quickly and easily
- Depending on the components, seed rate and operational speed, various options can be selected
- Easily accessible
- Rotor shafts can be replaced without any tools



Metering unit – injector hopper system with valve



Pressurised hopper system with locking option

Pre-emergence marker

The pre-emergence markers are recommended for crops that require maintenance measures before the laid tramlines become visible. They are controlled fully automatically via the tramline rhythm of the terminal. The mounting on the seed coulters allows for a precise depth control via the press wheel. The aggressiveness of the pre-emergence marker is adjusted via a depth stop.



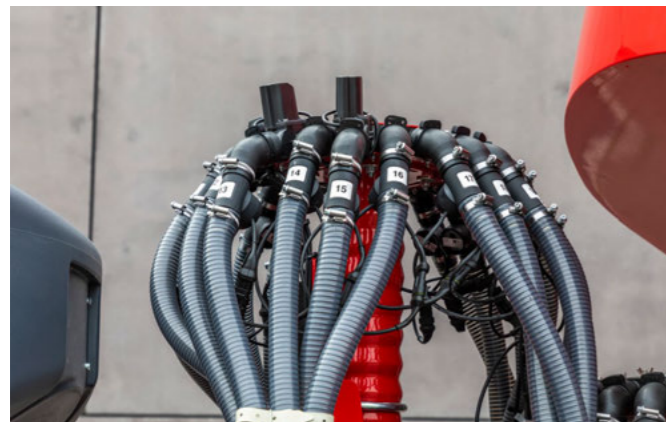
The aggressiveness of the pre-emergence marker is adjusted via a depth stop

- Fully automatic control via the tramline rhythm
- The aggressiveness of the pre-emergence marker is adjusted via a depth stop.
- Mounted directly on the seed coulters, precise depth control via the press wheel
- Easy activation and deactivation of the pre-emergence marker via ISOBUS

Fertiliser and seed flow control

The fertiliser and seed flow control is a reasonable electronic solution to prevent sowing errors. The sensors control the flow directly behind the distribution tower and detect blockages. Thus, the individual pneumatic hoses are monitored and within seconds you get a notification in the terminal – both acoustic and visual.

- For a complete monitoring of the seed and fertiliser hoses
- Warning if a pneumatic hose is blocked
- Sowing errors are avoided
- Monitoring of the pneumatic flow at the distribution tower



Fertiliser and seed flow control – for a permanent monitoring of the seed and fertiliser hoses



Monitoring of the pneumatic flow at the distribution tower

INTELLIGENCE

eosT10/eosT10 Pro

- High-resolution 10" terminal for controlling all ISOBUS devices according to ISO 11783
- Reliable and powerful: high-performance hardware combined with intuitive, user-friendly operation in day or night mode
- Various layout options allow for a simultaneous display of several applications – for an optimum overview
- Straightforward transfer of application maps with the wireless task data exchange
- A real-time transmission of the terminal display via Remote Support facilitates the technical support.



By displaying up to 3 widgets in addition to the main working screen, the user can keep track of several applications at the same time.

Rotor selection

- Facilitates the selection of the optimum rotor for any application
- Wide selection range from normal seed to fine seed to fertiliser and microgranular compound
- Expert mode to carry out rotor configurations also for variable operating speeds and application rates



The HORSCH Assist app with the „Rotor Selection“ function helps you to choose the optimal rotor for each application.

AutoLine

- Automatic, GPS-based tramline control
- Optimised driving strategy near obstacles or on the headlands
- Track-to-track driving is no longer required
- Available in combination with the eosT10 Pro terminal or other tramline-capable ISOBUS terminals



Drill independently of the track rhythm with universal seeding technology and HORSCH AutoLine

TECHNICAL DATA

Express TD	3 TD	3.5 TD
Working width (m)	3,00	3,50
Transport width (m)	3,00	3,50
Filling height (m)	2,21	2,21
Length without/with pre-emergence marker (m)	3,67 / 4,00	3,67 / 4,00
Weight (kg)	2600 - 2950	3000 - 3400
Seed hopper capacity single hopper (l)	1500	1500
Dimension of feed opening (m)	0,88 x 2,42	0,88 x 2,42
Number of seed coulters (PCE)	20	24
coulter pressure (kg)	15 - 125	15 - 125
Seed coulter Ø (cm)	34	34
Press wheels Ø (cm)	32	32
Row spacing (cm)	15,00	14,50
Packer FarmFlex packer Ø (cm)	54	54
Operational speed (km/h)	10 - 20	10 - 20
Horsepower requirement (kW/hp)	90 – 140 / 125 – 190	105 – 160 / 145 – 220
DA control devices (PCE)	1 (+ 1 hydraulic fan direct drive, + 1 hydraulic adjustment DiscSystem, + 1 bout marker and + 1 hydraulic coulter pressure adjustment)	1 (+ 1 hydraulic fan direct drive, + 1 hydraulic adjustment DiscSystem, + 1 bout marker and + 1 hydraulic coulter pressure adjustment)
Depressurised return flow (max. 5 bar) (PCE)	1 (only with hydraulic fan direct drive)	1 (only with hydraulic fan direct drive)
Oil quantity hydraulic fan (L2)	20 - 25	20 - 25
Implement attachment 3-point	3-point Cat. III	3-point Cat. III





Your distributor



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Paper: 120 g/qm Maxi Offset. The paper is certified according to the EU Ecolabel. This label is only granted for products and services whose environmental consequences are considerably lower than those of comparable products. For more details see www.eu-ecolabel.de. Printing ink: Printing ink QUICKFAST COFREE. Free from mineral oil and cobalt. Moreover, it is certified and recommended for printing according to the „Cradle-to-Cradle“ principle (quasi “from the origin back to the origin”) – an approach that deals with the spreading of continuous and consequent recycling management. More details at www.c2c-ev.de.

All specifications and diagrams are approximate and not binding. Technical features and design are subject to change.

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