

# Focus TD



TARGETED LOOSENING, TARGETED FERTILISING, TARGET SOWING



## Focus TD

THE TERRAGRIP TINE LOOSENS, PLACES THE FERTILISER PRECISELY AT THE SET DEPTHS AND THUS ALLOWS FOR PERFECT PLANT GROWTH.

- Loosen, place fertiliser, sow in one pass
- Row widths of 30 cm for rape and of 15 cm for cereals are possible
- Variable depth placement of the fertiliser deposit
- Selection of various loosening tines

# CONDITIONS OF USE



## MICHAEL HORSCH

*Topics like yield stability and cost saving are getting more and more important. Numerous institutes have already been carrying out tests in this respect for several years. HORSCH itself has already been carrying out tests on our own test fields at the FITZ training centre since 2001. The results are clear: Site-specific cultivation combined with targeted fertilisation and precise sowing helps to increase the utilisation factor of fertilisation and to ensure a stable and good harvest even in climatically difficult years. The Focus TD combines all our experiences with the most up-to-date technology.*

- Sowing of harvesting crops with deep loosening of the soil and a targeted placement of fertiliser in one pass
- Due to the loosened root area, the conditions for the tap-roots are optimum
- Can be used directly after the combine without any previous tillage

- ULD coulters for deep loosening without mixing effect
- LD/LD Plus point for deep loosening with mixing effect thus allowing for moisture to enter the germination zone



The HORSCH Focus combines three working steps in one – loosening, placing fertiliser and sowing in a targeted way. The leading TerraGrip tine zone clears the seed furrow and the root area from harvest residues and loosens both. Due to the option to apply fertiliser 100% directly into the loosened root zone or 50 % of the fertiliser quantity deeply in the soil and 50 % on the surface, the machine is ideal for different sowing conditions. In excellent sowing conditions the placement of fertiliser at the cultivation depth allows for supplying the lower topsoil with fresh nutrients. If the conditions are rather wet and cold, the 50:50 placement can encourage the early growth of the crop in a targeted way and the root can be attracted downwards.

For rape and row crops in row seeding with a row spacing of 30 cm, a TurboDisc disc coultter or a TurboEdge tine coultter always follows in the middle of a preceding TerraGrip tine and a packer tyre with AS-profile.

With regard to sowing cereals, an interchangeable seed bar can be used with a row spacing of 15 cm (optional: 17.5 cm with Focus 6.35 TD 3-point). With a 15 cm row spacing two TurboDisc double disc coultters follow a TerraGrip tine and a packer tyre with AS-profile. The shape of the ridges can be controlled via the disc levelling system in front of the packer if desired or an even seedbed can be achieved. With the optional crumbling tools, fine soil for the sowing area can be created in front of the packer.

The Focus 3 TD allows for using a 400 l MiniDrill as G&F version as well as a PPF version in addition to the 3 500 l double hopper with a partition of 60:40. This option is also possible for the Focus 4 TD and 6 TD that are equipped with a 5 000 l double hopper with 60:40 partition.



LD point ensures a good mixing of the soil



LD points take moisture into the seed horizon

# POINT OPTIONS FOR ALL SITUATIONS

## LD point/LD Plus point



The LD/LD PLUS point is ideal for deep loosening with a little mixing effect. The point loosens excellently at a depth of 30 cm deep, transports only little clods to the surface and in dry conditions takes moisture from below into the germination zone.

For wear-intensive soils the point is optionally available as LD Plus version with carbide coating for a maximum service life.

- Especially for deep cultivation up to 30 cm
- Little mixing effect
- Transports very little clods to the surface
- Transports wet soil into the germination zone
- Perfect for incorporating straw
- Optional with carbide coating



LD point /LD Plus point – fertiliser application in the upper horizon



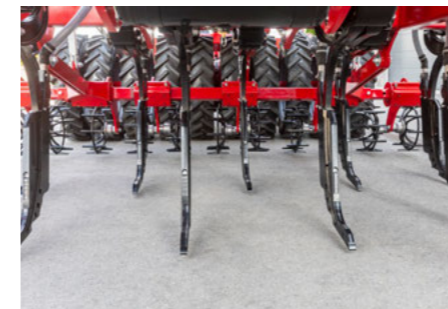
LD point /LD Plus point – mixing of the loosened area

## ULD point



Another step is the HORSCH ULD point that due to its shape does not bring clods to the surface, but only loosens deeply.

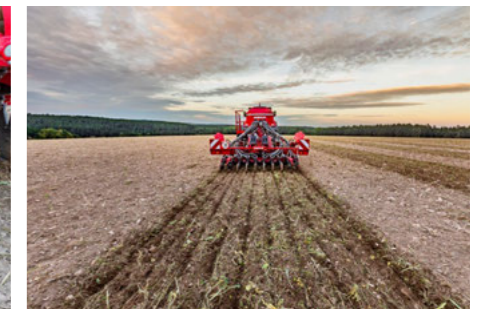
- Especially for deep, non-mixing loosening up to a depth of 30 cm
- Special shape protects the tine shaft
- Soil is broken in three dimensions (laterally and toward the top)
- The steep point back does not transport any soil to the surface
- Point is divided in two parts so that the main wear part can be replaced independently of the point back



ULD point does not bring any moisture from below



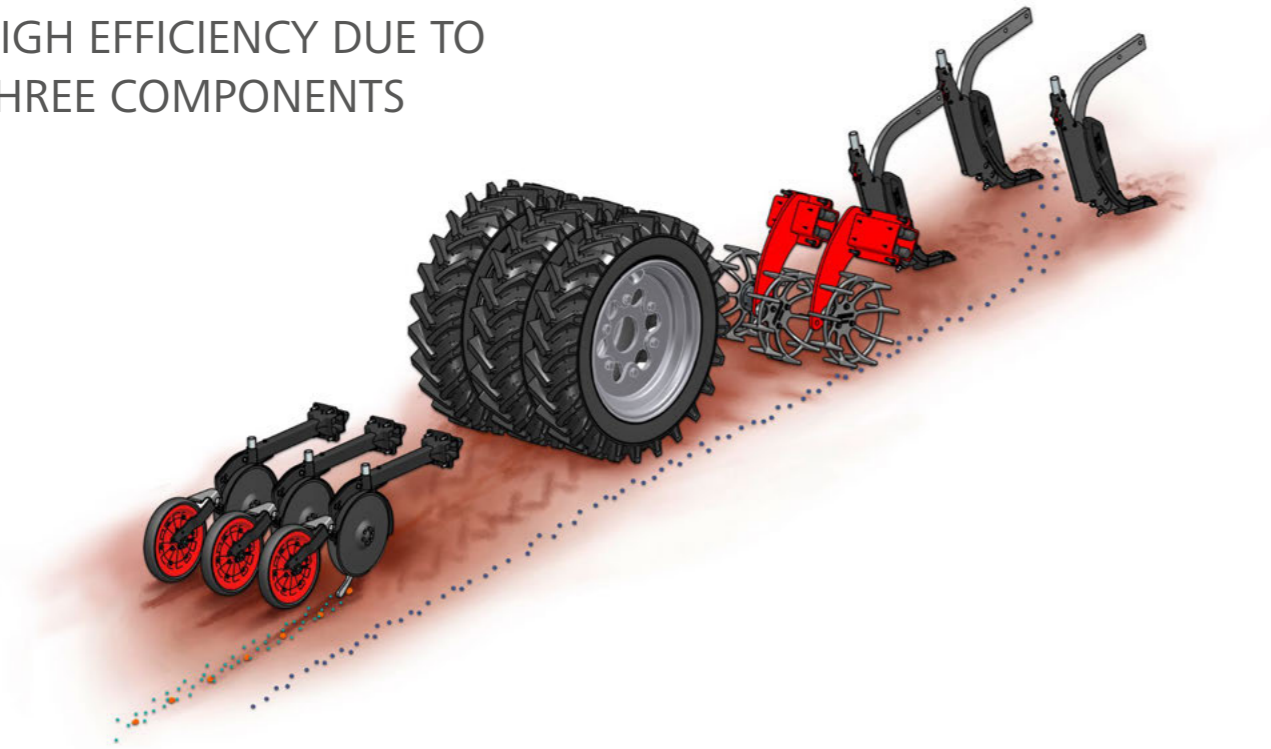
ULD point opens the soil and places fertiliser



StripTill – strip cultivation

# MiniDrill G&F

HIGH EFFICIENCY DUE TO THREE COMPONENTS



With regard to the equipment of the MiniDrill, HORSCH offers two different options. The MiniDrill G & F version serves as a third hopper for seed. When sowing rape, the efficiency of the machine can almost be doubled. The MiniDrill with a capacity of 400 l, filled with rape seed, allows for filling both large hoppers (2 000 and 3 000 l) with granular fertiliser. Thus, you can quite easily reduce filling stops and gain valuable time for sowing.

- Capacity: 400 l
- Application directly into the seed furrow
- Can be used for seed or fertiliser/micro-granular compound
- With fine seeds, efficiency can be increased enormously
- Possibility to apply up to three components



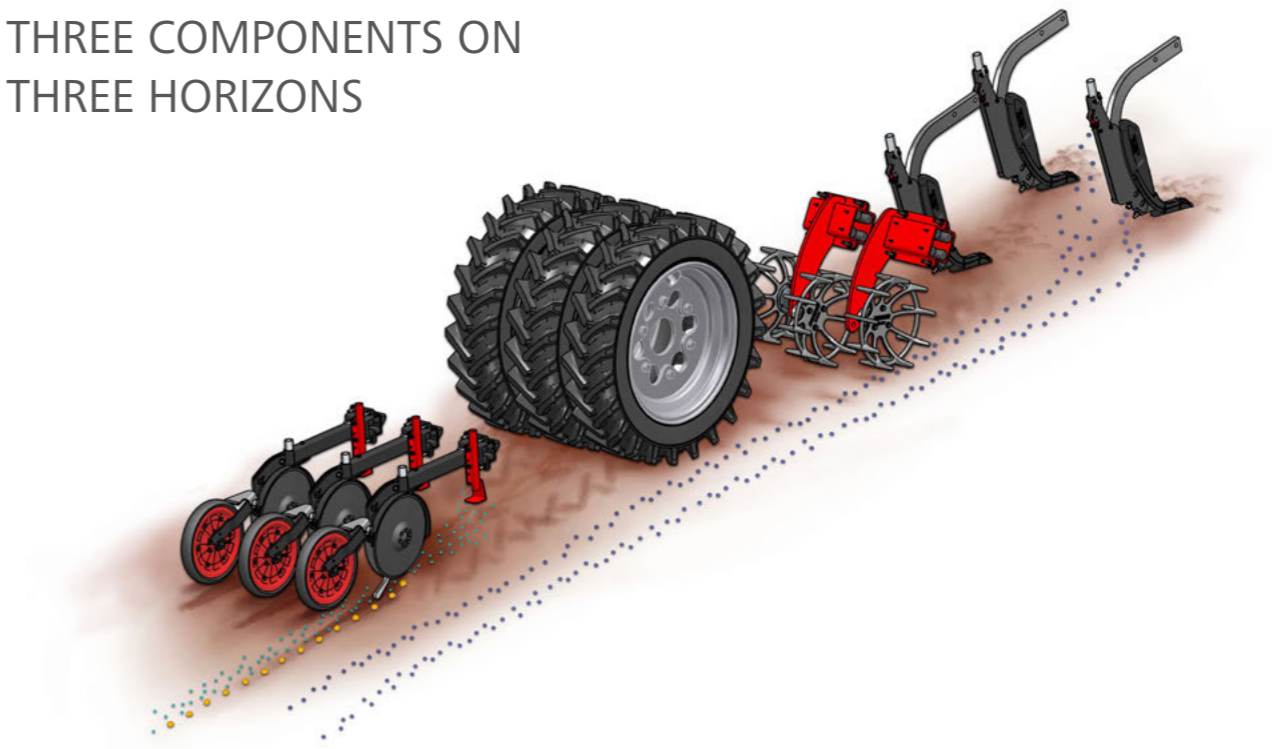
MiniDrill G&F – application of a third component



MiniDrill G&F 400 l for a third component

# MiniDrill PPF

THREE COMPONENTS ON THREE HORIZONS



The MiniDrill PPF is the second option. In this case, the MiniDrill is used to take micro-granular compound, underseed or slug pellets along. This optional third component is applied via baffles on the surface of the soil. This MiniDrill version is equipped with its own fan, and its own pneumatic system with separate distribution tower and a baffle in front of every seed coulters.

The option of placing three different components precisely in three different seed horizons makes the Focus the perfect catch crop seed drill. Via the tine zone you can for example place field beans deeply, the seed coulters can drill vetches on the normal seed horizon and via the baffles you can apply grass or clover.

The placement of catch crops in the optimum seed horizon, the application of micro-granular compound or slug pellets as well as the option to sow underseeds show how variably the MiniDrill PPF can be used with the Focus TD.

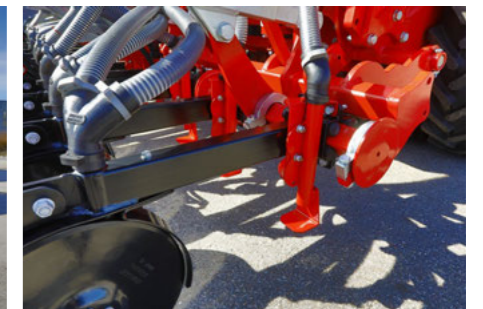
- Capacity: 400 l
- PPF version is equipped with its own fan and distribution tower
- Application of micro-granular compounds, underseed or slug pellets
- Possibility to apply up to three components
- Extremely variable – up to three components can be applied on three horizons



MiniDrill PPF – third component can be applied to another horizon



MiniDrill PPF – application behind the packer



MiniDrill PPF with baffles



Large tyre packer for deep consolidation

## Tyre packer

The large tyre packer is responsible for a precise consolidation of the area that has been cultivated. Only if the cultivated area is optimally consolidated and if there are no hollows in the subsoil, the grain can germinate quickly, and the roots can grow downwards in an undisturbed way.

- Targeted, even levelling and consolidation in front of each seed couler
- Efficient consolidation below the seed horizon for better water distribution towards the seeds
- Large tyre diameter reduces the horsepower requirement
- High operational reliability in different soils due to large tyre diameter
- The middle segment of the packer also is used as transport wheels for road transport



Large tyre packer for a smooth running

## Disc levelling

### SAFE LEVELLING IN ALL CONDITIONS

The disc levelling offers many possibilities. The aggressiveness of the 46 cm discs can be adjusted. Thus, they can be used for levelling or, with a very aggressive setting, for bringing more soil in front of the packer wheel to achieve a higher consolidation of the loosened area.

- Easy to adjust
- Can be used in all situations
- Works reliably
- Aggressiveness can easily be adjusted
- Can be switched off hydraulically



Levelling discs can be used in all situations.



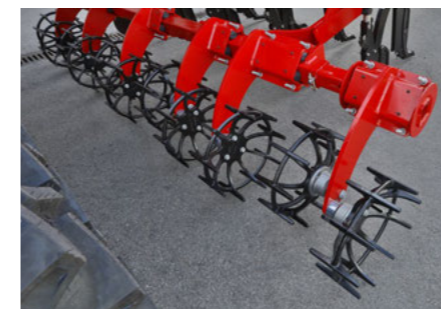
Focus 6 TD with disc levelling

## Crumbling levelling

### CREATE ADDITIONAL FINE SOIL WITH THE CRUMBLING LEVELLING

The crumbling levelling crushes clods and produces additional fine soil. This fine soil is important especially when sowing rape to create a perfect seedbed so that a perfect seed-soil contact is possible. Due to the smaller diameter of 37 cm, a high speed of the crumbling tools is achieved. The increased speed increases the fine soil production.

- Easy to adjust
- Produces important fine soil
- Can be used in all situations especially in soils with a lot of clods



Focus 3 TD with crumbling levelling



Focus TD crumbling levelling system



Fine soil production with the crumbling levelling

# TurboDisc seed coulter

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

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



Focus 3 TD with TurboDisc seed bar 30 cm row spacing



Focus 6 TD with TurboDisc seed bar 30 cm row spacing

# ADDITIONAL EQUIPMENT



Strip tillage and fertilisation

# TurboEdge seed coulter

SOWING INTO THE OPEN FURROW

- Perfect for row spacings of 28.6 cm
- Intensive removal of harvest residues from the seed furrow
- Press roller controlled
- Embedding of the seed grain with a secure soil contact
- Optimum complement for sowing with the Focus when the preparation intensity was low



TurboEdge tine seed coulter



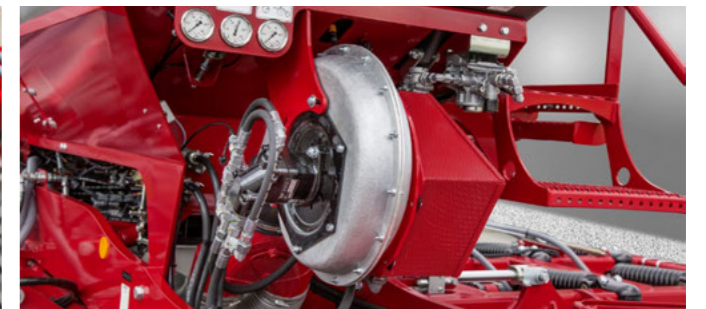
TurboEdge seed coulter for sowing in soils with a lot of straw



Removal of organic residues from the seed furrow



Monitoring of the pneumatic flow at the distribution tower



Focus TD – oil cooling at the hydraulic fan



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



Fine metering insert kits for standard metering unit hexagonal shaft



# INTELLIGENCE

## eosT10 (Pro)

- High-resolution 10" terminal for controlling all ISOBUS devices according to ISO 11783
- Reliable and powerful: a high-performance hardware combined with an intuitive, user-friendly operation in daytime or night mode
- Straightforward transfer of application maps with the wireless Task Data Exchange
- Various layout options allow for a simultaneous display of several applications – for an optimum overview
- eosT10 and eosT10 Pro – one hardware, completed by two licence kits. Precision is always standard for us.



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

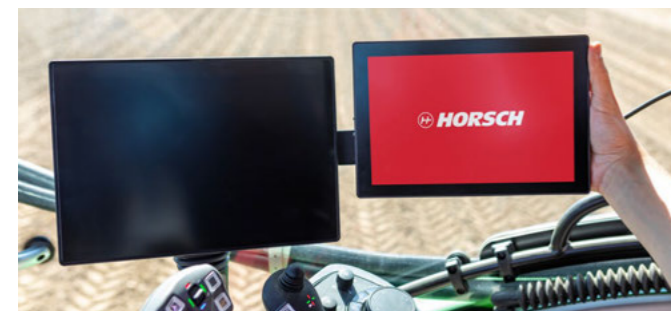
## Rotor selection

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



## 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 terminal eosT10 Pro



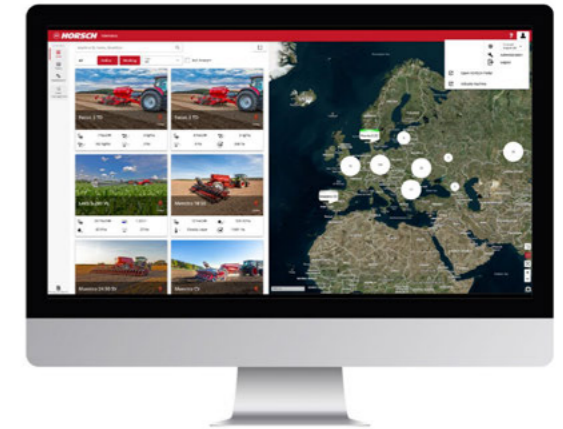
Due to the flexible holder, the eosT10 can be perfectly integrated in every cabin



The rotor selection app facilitates the selection of the optimum rotor for any application

## HorschConnect

Prepare today for tomorrow. Control different machine functions quite easily via the MobileControl app – your smartphone replaces the terminal! In addition, gain complete, transparent insight in all aspects of work performance and working quality with HorschConnect Telematics.



With HorschConnect telematics solutions can be found in the sowing and plant protection sector – exactly where they make sense

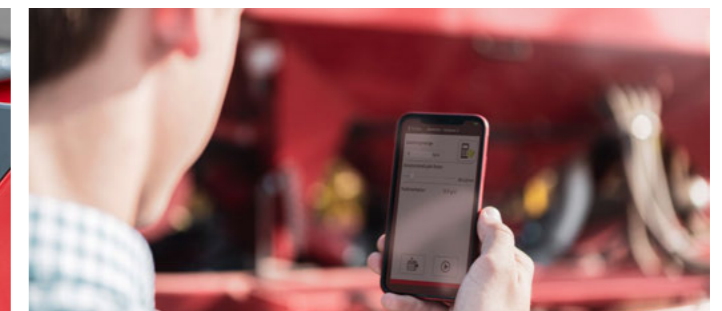
- Digital solutions exactly where they make sense
- Straightforward out-of-the-box solution with integrated SIM card, WLAN modem and other interfaces
- HorschConnect Telematics to document the performance of the machine
- HorschConnect Telematics for complete transparency of the working quality, e.g the application rate of all components
- Targeted and proactive service due to remote insight in the error messages
- Control of machine functions via smartphone app MobileControl: e.g. calibration of all metering units



The MobileControl app allows for controlling individual machine functions – completely comfortably from the smartphone



Straightforward out-of-the-box solution with a wide range of integrated interfaces



Quick and easy calibration of the machine via smartphone with the MobileControl app

# TECHNICAL DATA

Focus TD	3 TD	4 TD	6 TD
Working width (m)	3.00	4.00	6.00
Transport width (m)	3.00	2.98	2.98
Transport height (m)	3.35	3.35	3.70
Length (m)	9.00	9.84	10.40
Axle load (kg)	4200 - 5000	6500 - 7400	8400 - 10300
Vertical load (kg)	1000 - 1400	1600 - 2000	1900 - 2500
Weight (kg)	5800	8240	10000
Hopper capacity double hopper (l)	3500 (2100 : 1400 l / 60 : 40)	5000 (2000 l : 3000 l / 40 : 60)	5000 (2000 l : 3000 l / 40 : 60)
Dimension of feed opening (m)	0,60 x 0,90	front 0.66 x 1.22 / rear 0.66 x 1.68	front 0.66 x 1.22 / rear 0.66 x 1.68
Filling height double hopper (m)	2.95	2.95	2.95
Tyre size support wheels	15.0 / 55-17	15.0 / 55-17	15.0 / 55-17
Tyre packer size	210 / 95-24 AS	210 / 95-24 AS	210 / 95-24 AS
Tyre packer Ø (cm)	100	100	100
Number of tines	10	14	20
Tine spacing in one row (cm)	60.00	57.20	60.00
Tine spacing (cm)	30.00	28.60	30.00
Frame height (cm)	75	75	75
Release force (kg)	630	630	630
Rebound travel (cm)	26	26	26
Number of seed coulters	10 / 20	14 / 28	20 / 40
Row spacing (cm)	30.00 / 15.00	28.60 / 14.30	30.00 / 15.00
Coulter pressure (kg)	15 - 125	15 - 125	15 - 125
Seed coulters/press wheels Ø (cm)	34	34	34
Operational speed (km/h)	6 - 10	6 - 10	6 - 10
Horsepower requirement (kW/hp)	150 - 220 / 200 - 300	180 - 260 / 250 - 350	220 - 330 / 300 - 450
DA control devices	2	2	2
Depressurized return flow (max. 5 bar)	1	1	1
Oil quantity hydraulic fan (l/min)	35 - 45	35 - 45	35 - 45
Implement attachment lower link	Cat. III - III/IV - IV	Cat. III - III/IV - IV	Cat. III - III/IV - IV
Implement attachment adjustable drawbar	---	Ring hitch Ø 58-79 mm	Ring hitch Ø 58-79 mm
Implement attachment ball head	---	K 80	K 80





Your distributor

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

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