



TINE DRILL TOOLBAR (TDT)

Direct drilling, built around your operation.

A high-specification rear drill frame designed for high-performance, low-disturbance direct seeding across a wide range of soil conditions.

Available in 3m, 4m, 4.5m, 4.8m, 5m and 6m configurations.

From £32,125 + VAT

OVERVIEW

The Grange Tine Drill Toolbar (TDT) is a robust rear drill frame developed for direct seeding, combining proven features from Grange's loosening systems with a flexible drilling platform.

Designed for conditions ranging from heavy clays to sandy loams, the TDT provides control over coulter configuration, working depth, terrain following and rear finishing.

The toolbar can be integrated into an existing drilling system or specified as part of a complete Grange drilling solution.

KEY FEATURES

±5° CONTOUR FOLLOWING

Twin centre-pivoting wings provide hydraulic contour following, allowing the toolbar to follow undulating terrain and help maintain consistent coulter depth across the working width.

0-7" HYDRAULIC DEPTH CONTROL

Hydraulic land wheels provide on-the-move coulter depth adjustment, allowing working depth to be changed from the tractor as field conditions require.

BOURGAULT COULTER COMPATIBILITY

The TDT accepts Bourgault tungsten-tipped coulter systems, providing flexibility for seed and fertiliser placement.

250MM TINE SPACING

20mm Grange tines are arranged over four rows at 250mm centres, providing a robust and flexible platform for direct drilling applications.

FLEXIBLE REAR FINISHING

Choose between a hydraulically adjustable levelling paddle system or double 'Z' tine rear harrow, with three adjustment positions to suit different soils and residue levels.

FLEXIBLE SEEDER INTEGRATION

Designed to integrate with existing drilling equipment or a complete Grange front tank and rear toolbar system.

COULTER SYSTEM

The TDT has been designed around a flexible coulter system to accommodate different crops and drilling requirements.

The toolbar accepts **Bourgault tungsten-tipped coulters**, including:

SINGLE COULTER

A single 19mm configuration suitable for applications including beans and OSR.

PAIRED-ROW COULTER

A 4" paired-row configuration with fertiliser channel for combined seed and fertiliser placement.

The coulter system uses a quick-swap design to allow configurations to be changed for different crop requirements.

FRAME & TINE ARRANGEMENT

The TDT uses **20mm Grange tines arranged over four rows at 250mm centres**.

The frame incorporates a central resting area designed to assist trash flow management through the toolbar.

HEADSTOCK

Heavy-duty **Category 3 and Category 4 linkage headstock** supplied as standard.

TERRAIN FOLLOWING

DESIGNED TO FOLLOW THE FIELD

The TDT incorporates twin centre-pivoting wings with **±5° contour following**.

The hydraulic contour system allows the wings to follow changes in terrain, helping maintain consistent coulter depth and seed placement across the full working width.

This provides greater control when drilling across undulating ground and changing field conditions.

HYDRAULIC DEPTH CONTROL

CONTROL FROM THE TRACTOR

Hydraulic land wheels provide **0–7" coulter depth adjustment**, allowing the operator to adjust working depth on the move.

Each land wheel is followed by a pair of tines positioned within the frame to help eliminate wheelings and maintain the finish behind the machine.

TRACK ERADICATION

Adjustable track eradication brackets are available to suit wheel centres from approximately **1.5m to 3.0m+**.

The system uses two adjustable brackets, each with a 1.1m working width.

REAR FINISHING

CHOOSE THE FINISH FOR YOUR CONDITIONS

The TDT offers two rear finishing options:

HYDRAULIC LEVELLING PADDLES

Hydraulically adjustable levelling paddles provide three adjustment positions to suit different soil types and residue levels.

DOUBLE 'Z' TINE REAR HARROW

A double 'Z' tine harrow provides an alternative finishing system with three adjustment positions.

Both systems allow the rear finish to be adapted to the conditions encountered in the field.

SEEDER INTEGRATION

The TDT can be integrated into an existing drilling system or specified as part of a complete Grange solution.

AVAILABLE OPTIONS INCLUDE:

- Up-stack brackets for single or twin distribution heads
- Stocks Turbo Jet 8 i-Con
- Rear coulter bar
- Seed outlet brackets
- Slug pellet application
- OSR application
- Avadex application
- Rear access platform and mounting brackets

The toolbar can be specified alongside a **Grange dual metering tank and rear toolbar setup** for a complete drilling solution.

WORKING WIDTHS

The Tine Drill Toolbar is available in:

3m | 4m | 4.5m | 4.8m | 5m | 6m

This allows the machine to be specified around different tractor capacities, field sizes and drilling requirements.

TRANSPORT & SAFETY

The TDT is equipped with:

- LED road lighting kit
- Parking stands
- Transport locking system

POWER REQUIREMENT

6M TDT

Approximately **250hp+ recommended** for the 6m variant.

Actual power requirement will depend on soil conditions, working depth, coulter configuration and operating conditions.

TECHNICAL SPECIFICATION

Specification	Tine Drill Toolbar
Working widths	3m, 4m, 4.5m, 4.8m, 5m, 6m
Linkage	Category 3 & 4 headstock
Tines	20mm Grange
Tine arrangement	4 rows
Tine spacing	250mm
Coulter compatibility	Bourgault
Coulter options	Single 19mm / 4" paired-row
Depth adjustment	Hydraulic, 0–7"
Contour following	±5°
Track eradication	1.5m–3.0m+ wheel centres
Rear finishing	Levelling paddles / Double 'Z' tine harrow
Rear finishing adjustment 3 positions	
Road lighting	LED
6m power requirement	Approx. 250hp+

BUILT FOR THE FIELD

The TDT has been developed around the demands of modern direct drilling, combining proven Grange engineering with the flexibility required for different crops, soils and drilling systems.

From coulter selection and hydraulic depth control to terrain following and rear finishing, the machine is designed to give operators control over the key elements of the drilling operation.

Specialist Knowledge | Proven Experience | Unwavering Dedication

DISCUSS YOUR REQUIREMENTS

Whether you're looking to integrate the TDT into an existing drilling setup or specify a complete Grange system, our team can discuss the available configurations and options.

FROM £32,125 + VAT

Limited build availability. Enquire early.

Grange Machinery

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