



# OWNERS MANUAL

## M3 Metering Series

### Mini Hopper



**Manufactured by:**

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**Dealer / Local Agent**

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# Introduction

Congratulations on purchasing a Taege M3 Mini Hopper! Taege Engineering, a market leading agricultural company, who pride themselves on developing market leading solutions demanded by New Zealand farmers and contractors.

Taege Engineering want you to be satisfied with your product, which has been designed and manufactured to provide years of dependable use.

By following our owner's manual (using, service, maintenance etc) the life span and the second-hand value of the machine can be extended. If you ever lend or sell this machine, make sure that the borrower or buyer gets the operator's manual, so they will also know how to properly maintain and use it. You can download additional copies of your owner's manual from [www.dealer.taege.com](http://www.dealer.taege.com).

Reference to the right and left hand side of the M3 Mini Hopper is as you see it from behind the machine looking toward the tractor.

Please quote your drill model, chassis number and controller version when seeking advice or ordering parts.

E.g. series 300 S/No 535 36 11. RC300L ver 2.52d

Thank you for purchasing a Taege M3 Mini Hopper. Taege Engineering has a policy of continuous product development and therefore reserves the right to modify the design and appearance of products without prior notice.

# Safety

- Focus on being prepared for emergencies.
- Read the operators manual carefully.
- Always follow recommended safe practices for operating this Mini Hopper and its associated equipment, including tractors and other machinery used in conjunction with this Mini Hopper.
- Identify and avoid unsafe terrain.
- Always use lynch pins and safety chains on all drawbar pins.
- Do not exceed 20km/hr while towing an implement in normal working position.
- Keep all covers in place at all time unless removed for repairs or servicing.
- Stop the Mini Hopper before adjusting.
- Lower Tyne harrows to the ground or put on stands when working around or under the machine.
- Ensure tractor electrics are disconnected and/or turned off and machine hydraulics disconnected when working or repairing the Mini Hopper.
- Tighten all nuts and bolts after initial use and thereafter at regular 30 hr intervals.
- Watch for moving parts and stay well clear of implement while it is moving.
- Practice safe handling of all agricultural chemicals including treated seed.
- Wear appropriate safety equipment while operating the hopper including when filling adjusting the Mini Hopper. this includes safety glasses, gloves, ear protection, close fitting clothing and steel capped boots.
- Visit [www.osh.dol.govt.nz](http://www.osh.dol.govt.nz) for additional guidance and instruction on safe practices in the rural sector and/or other sectors targeted for the intended use of this drill.

# SAFE OPERATING PROCEDURES

- Before operating the Taege Drill please read the following 'Safe Operating Procedures'.
- Failure to comply with these warnings could result in serious injury.
- A careful and alert operator is the best insurance against incidents.
- Taege M3 Mini Hoppers are designed to be safe to operate.
- Do not wear loose clothing, unrestrained long hair, jewellery or anything which could entangle in components or limit your vision.
- Never work or walk or allow any person/child under the equipment.
- If travelling on the road please ensure that the tractor being used is fitted with the necessary lights, turn signals and all other legally required equipment.
- No person is ever to be between the tractor and this implement.
- No person/child is to climb or ride onto this implement at any time other than the operator.
- When parking or before working on the machine. Stop the tractor on a firm level surface and apply the parking brake. Lower the machine to the ground and switch off the engine. Remove the key for added safety.
- The machine should not to be used unless the operator has been trained in its safe use.

# MAINTENANCE

## Daily

- Grease all grease points

# STORAGE

- Ensure machine is empty to eliminate rodent damage to rollers as this is not covered by warranty.

# Getting the M3 Mini Hopper ready the first time

- After you have mounted the unit. Plug in the M3 Mini Hopper power lead to the tractor 30amp auxiliary power supply or direct to a 12vdc battery. Ensure that the wiring loom is clear of the tractor linkage and drawbar.
- You now ready to put seed/fertilizer into the hopper/s.
- Open the hopper cover and fill the hopper with product, after filling the hopper, close the cover.

# Configuration

On start up for the first time, the controller needs to be configured to the correct sowing or spreading width and the distance settings need to be entered if your unit has a ground input device. This is called configuration. Please check with your Taege Dealer.

# Calibration

When the operator needs “to accurately measure the weight of the seed or product” during calibration. This is done by reading and following the instructions on page four of the Controller Manual.

It is most important that this is accurate, that the scales provided be used, these scales measure in one gram increments. Care must be taken to prime the hopper before calibrating, to make sure that no bridging occurs during calibration. Comment: When calibrating a Taege M3 Mini Hopper, ensure that sufficient seed is weighed. E.g. Grass at least 1.00Kg

Go to the RC300L Controller ver2.5x Operators manual and follow the instructions  
Page 2 QUICK CALIBRATION

**Always disconnect the power source when the controller is not in use.**

**Always disconnect the power source and controller when welding on the machine.**

# Fan Speed

If your TAEGE M3 Mini Hopper is fitted with an electric air assist blower, it is important that this is operated continuously when seeding.

# M3 Hopper Operation

Once you have set up the machine, switch the air assist blower on (if fitted) mount the towing vehicle and start the unit by turning the RC300L Controller to RUN.

You will see a moving indicator on the top right hand of the controller display which indicates engaged operation.

Further information is available on the screen by pressing the OK button in the RUN mode.

# Bolted Connections

All the bolted connections should be re-tightened after the first day or 50Ha of use.

## Daily Maintenance

Electrical Connections	<ul style="list-style-type: none"><li>• Drill to tractor auxiliary connection</li><li>• Lead connections</li><li>• Wiring loom for damage</li></ul>
Bolts	<ul style="list-style-type: none"><li>• Drawbar lynch pins</li><li>• All bolts</li><li>• Top baffle tri-nuts</li></ul>
Hopper	<ul style="list-style-type: none"><li>• Sponges for damage</li></ul>



# NOTES



# Warranty

From the date of purchase your TAEGE machine is covered by a 12-month warranty period for faulty parts and/or workmanship.

Ensure your dealer completes and returns a warranty certificate within 7 days of date of purchase.

## Send to

Taege Engineering Ltd  
Main West Road  
Sheffield 7500  
New Zealand.

On delivery record the following Basic Information

Model:

Chassis Number: .....

Delivery Date: .....

Owner: Dealer: .....

Check for shipping damage. In cases of shipping damage, ask dealer to arrange for appropriate claim to be lodged immediately.

- Ensure the attached registration / warranty validation card has been completed.
- Place owners copy of warranty in safe place.
- Check that the Dealers copy of the warranty has been correctly filled out and returned to the manufacturer
- Contact your dealer if you have any further queries.
- Disclaimer
- Drilling with Taege® seed drills in conditions normally outside of the germination tolerances of the seed concerned cannot be expected to give satisfactory results.
- Every attempt has been made to ensure the correctness of information and diagrams in this manual. Consequently, Taege Engineering Ltd will not be responsible for any damage or consequential loss arising out of misinterpretation of, or failure to follow, recommended practices and procedures. Nor will Taege Engineering Ltd be liable for any damage caused by, or arising out of modification or misuse of its product. Taege Engineering Ltd reserves the right to change technical details and prices without prior notice.

A full copy of Taege Engineering Ltd warranty document is available from [sales@taege.com](mailto:sales@taege.com) upon request.