

Martin Lishman



Instruction Manual

Product Code: CQ/GRAINGAUGE

**Please read these instructions before
commencing installation**

www.martinlishman.com

GRAIN GAUGE INTRODUCTION

Grain Gauge allows you to accurately monitor the level of grain in your bins or silos. Grain Gauge avoids the need to climb the bin saving time and money to check levels and reducing the risk of accidents. The device is easy to install and requires no electricity.

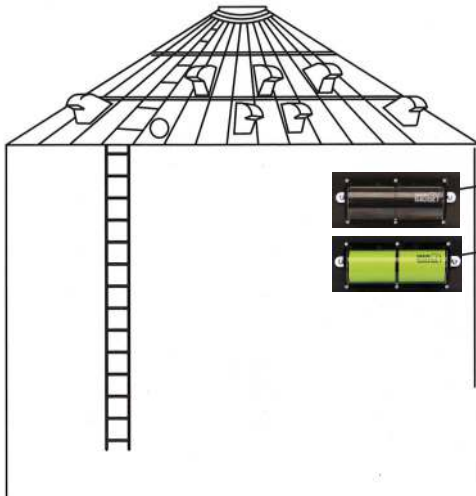
HOW DOES GRAIN GAUGE WORK?

As the grain reaches the Grain Gauge level activator, it turns the colour from black to green - even glowing in the dark at night. When the bin is unloaded, the indicator returns to black.

INSTALLATION LOCATION

Grain Gauge is designed to be installed along the vertical wall section of the bin. Multiple gauges may be installed at desired levels on the grain bin.

Do not install on a sloped location or near areas of obstruction. Only install the Grain Gauge through the in-curve on corrugated bin walls.



BLACK roller indicates the grain has not reached the desired level.

GREEN roller indicates grain has reached the desired level.

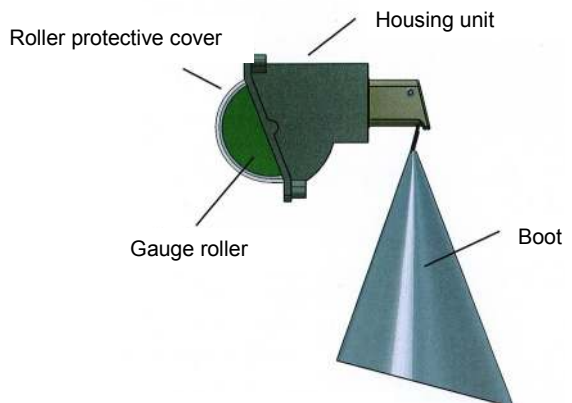
GRAIN GAUGE COMPONENTS

Contents:

- X1 Grain Gauge device
- X1 bin wall sticker
- X2 self-drilling screws

Items required for installation:

- Centre punch
- Hammer
- Power drill
- 27mm diameter holesaw
- Round metal file
- Socket driver



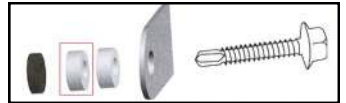


IMPORTANT SAFETY PRECAUTIONS

When working at height, all necessary safety precautions must be taken and are the sole responsibility of the installer.
Wear safety goggles while operating drill.

INSTALLING THE GRAIN GAUGE

1. Clean outside wall of bin until free of dirt and grime.
2. Place bin wall sticker at desired location. The rectangular sticker should be placed horizontally.
3. Using a hammer and centre punch, locate all three points.
4. Next, drill the centre located punch mark using a 27mm holesaw.
5. File hole to remove sharp edges. Remember to remove any loose pieces of metal shavings from bin floor.
6. Fold Grain Gauge boot into tubular shape and push through the hole until foam gasket is flush against the bin wall.
7. Fasten the Grain Gauge body to the bin wall by driving the two self-drilling screws into the bin wall until tightened.
8. **Note:** Use a second stand-off washer (included) when installing the unit on a bin 36ft (10.9m) or smaller in diameter.



Important! Please read.

To avoid damaging fabrics and seals:

- Be sure main bin hole is free of burrs and sharp edges
- Carefully bundle cone fabric before inserting in bin hole

To avoid damaging mechanism, be careful not to:

- Bend lever arm
- Overstress gear mechanism

If the indicators become misaligned, contact Martin Lishman Ltd on +44 (0) 1778 426600 for realignment instructions. Misalignment is easy to rectify and will not impact function.

WARRANTY

The Grain Gauge is guaranteed for 12 months from the date of purchase against any defect or malfunction caused by faulty parts or workmanship. To claim under warranty, the item should be returned, at the claimant's expense, to Martin Lishman Ltd with a written explanation of the problem. Should there prove to be a defect or malfunction caused by faulty parts or workmanship, it will be repaired or replaced and returned to the claimant without charge. If a warranty claim is rejected, the cost of replacement or repair will be notified to the claimant before any work is carried out.

Any warranty claim will automatically be invalidated if the item has been modified or internally tampered with in any way. The manufacturers will not cover under warranty damage or faults occurring to the item which have been caused by inappropriate use or by use not in accordance with the operating instructions. Under no circumstances will Martin Lishman Ltd re-imburse any costs associated with a warranty claim if these costs have been incurred without agreement in advance.

Under the terms of warranty for the Grain Gauge, under no circumstances will liability exceed the cost of replacement or repair. Martin Lishman Ltd will not be liable for any consequential or indirect loss suffered by purchasers or users, whether this loss arises from correct or incorrect use, defect or malfunction caused by faulty parts or workmanship or in any other way. Non-exhaustive illustrations of consequential or indirect loss include loss of profits and loss of contracts.

Martin Lishman Ltd July 2014

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