



Rev B – 17/03/20



Draft Pro 3 Pig & Lamb Weigher

Model – 3664G

Instruction Manual & Operating Guide

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Safety Notes and Warnings

- Ensure the operator in charge of the weigher is an experienced stock person who can maintain a high standard of animal welfare.
- Ensure that there is sufficient space in the area designated for the weigher to allow the operator to work safely and efficiently.
- If using an adjoining race and pen with the weigher should be of sufficient build for the safety of both animals and operators.

Training

Do not attempt to carry out any procedure on a machine unless you have received the appropriate training or read the instruction manual.

Retain all instructions in a safe place for future reference.



Introduction and Intended use

Ritchie weighing model 3664G is a digital pig and lamb weigher, and is intended to be used by the agricultural industry purely for the weighing of pigs, lambs and adult sheep. The cage is designed to give maximum safety and to minimise stress in both the animal and the operator.

Tru-test indicators EziWeigh5i, 7i, ID5000 & XR5000 & Gallagher indicators W210 & TWI are the options available for weighing using the Ritchie 3664G Pig & Lamb weigher.

The weigher should only be used by an experienced stock person, who can maintain a high standard of animal welfare.

Deviations from the intended use should not take place without the notice and approval of David Ritchie (Implements) Ltd.

Features:

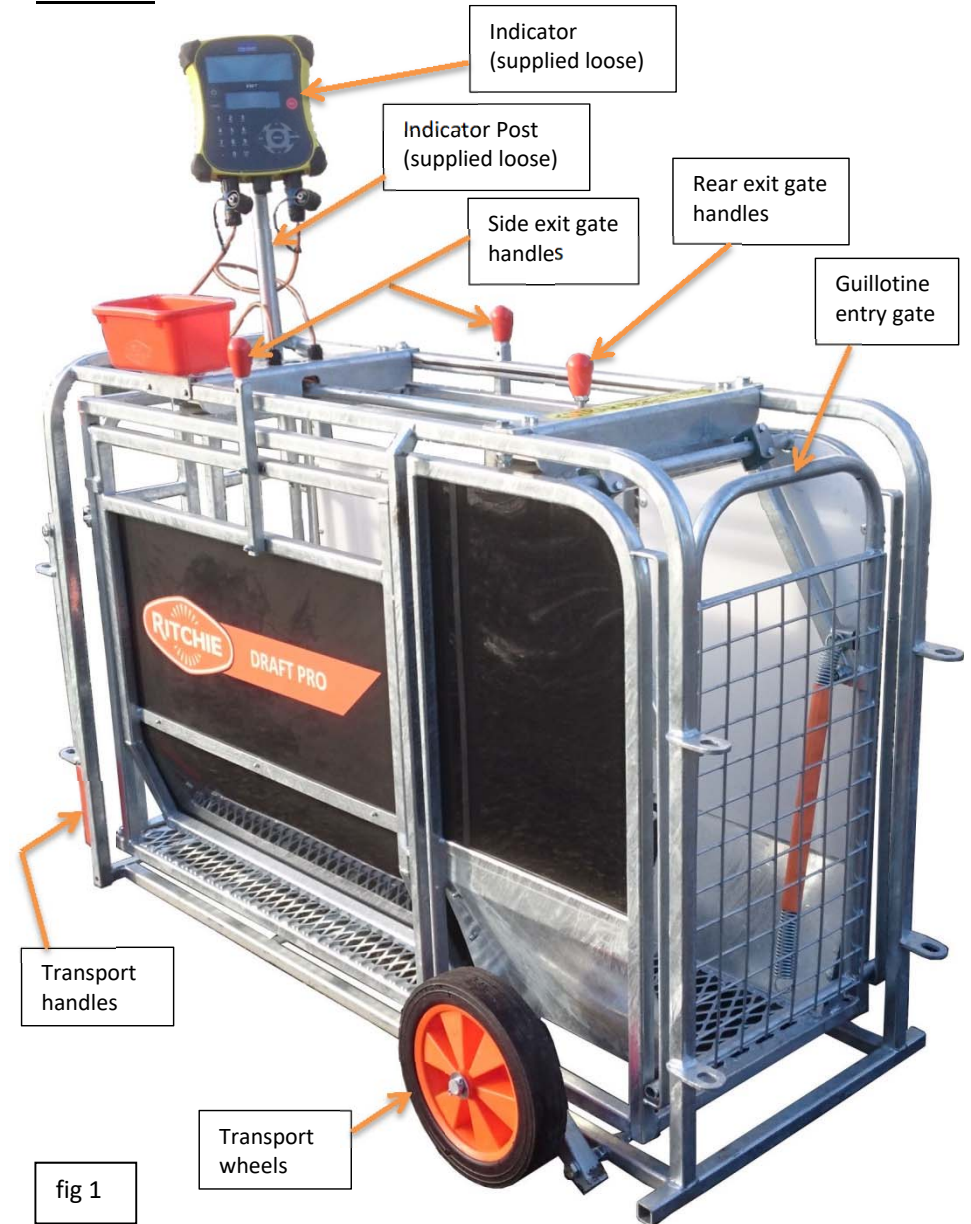
- Mesh floor.
- Designed to be built into a race.
- 3-way drafting for increased efficiency.
- Self-locking exit gate.
- Large fold out wheels
- Transport handles.
- EID compatible.
- 4-point weighing for improved accuracy.
- Choice of indicators to suit.

Specifications:

• Internal Length	-	1300mm
• Internal Width	-	410mm
• Internal Height	-	760mm
• External length (working position)	-	1515mm
• External Width	-	760mm
• External Height (cage & handles only)	-	1015mm
• Unladen Weight	-	105Kg

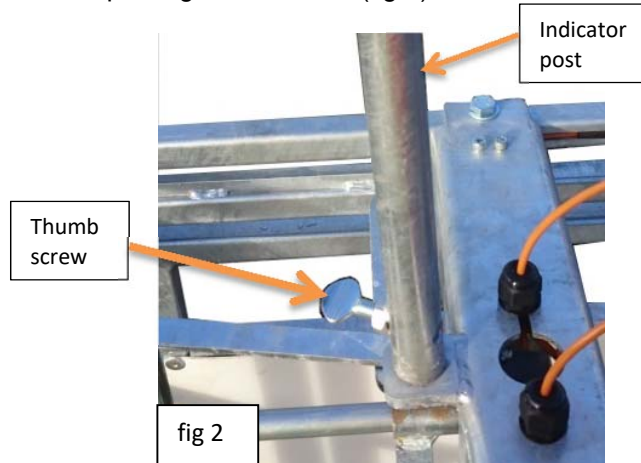


Overview

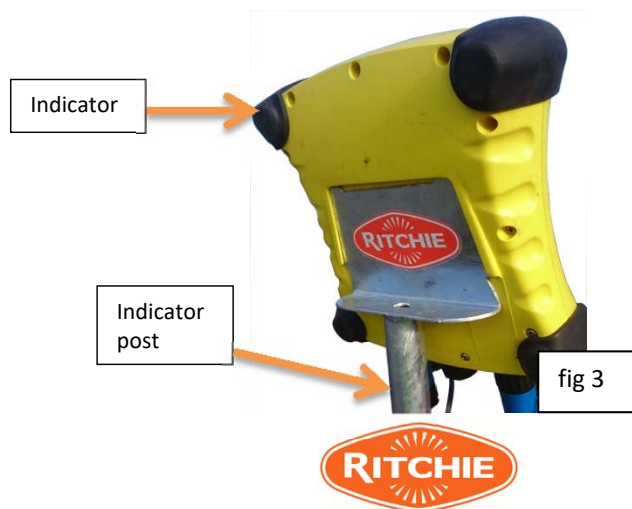


Preparation for Use

Locate the indicator post. slide the post onto the stub, on top of the weigher, and orientate the indicator post to the desired angle. Tighten the thumb screw on the indicator post against the stub (fig 2).

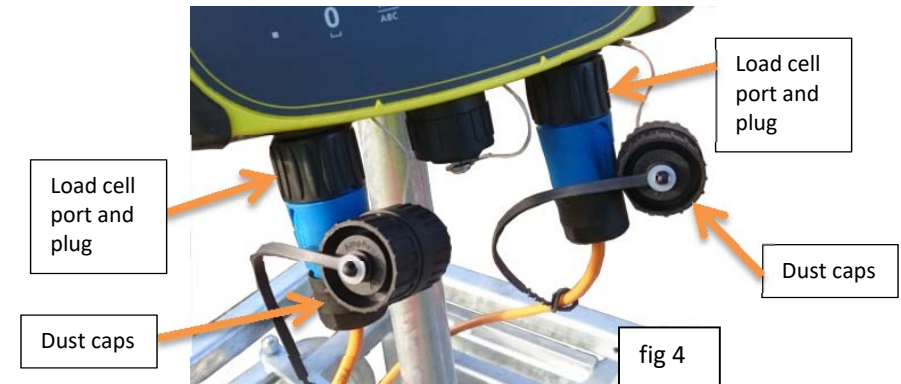


Unpack the ezi-weigh indicator and **read the included instructions for ezi-weigh indicator set up. Charge fully before use.** The indicator simply slides on to the indicator post using the bracket on the back of the indicator (fig 3).



Unscrew the caps on the indicator and the amphenol plugs. Screw on a plug to each load cell / bar port (fig 4). Screw the dust caps together to keep out dirt and moisture.

Dust caps should be used on the indicator and plugs, when not in use.
To keep out dirt and moisture.



Check to see that all opening and closing mechanisms are working smoothly, oil / grease if required (see maintenance and lubrication section).

Calibrating the DraftPro indicator

For instructions on calibration see

- Span Calibration Guide
- Download at link below
- Or scan QR code.

<https://www.ritchie-d.co.uk/>

https://ritchie-d.co.uk/wp-content/uploads/2020/11/span_calibration_guide_3664_5G.pdf



Operating Instructions

The Ritchie Pig & Lamb Weigher can be easily operated from either side by one operator.

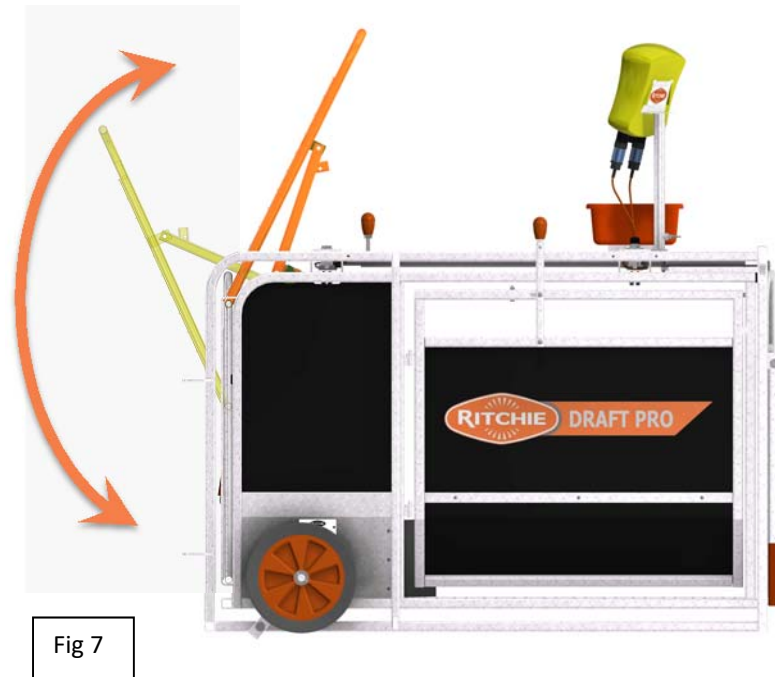
When the weigher is at the desired location. Go to one side of the weigher, push to tilt the weigher onto one side, the wheel will lower. Move it further round toward the exit and lower the weigher. **Ensure feet do not become trapped under the weigher.** Now move to the other side of the weigher and repeat. The weigher will now be resting on the outer cage (fig 5 & 6).



Before admitting an animal to the Weigher, check that the Tru-test indicator is reading zero (see Tru-test indicator instructions on how to do this).

To admit an animal:

Lift the guillotine gate up and over to allow the animal to enter the weigh cage (fig 7.) Then lower the gate. **Ensure that the gate is fully down.**



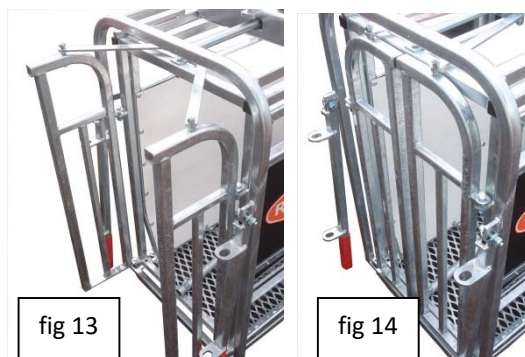
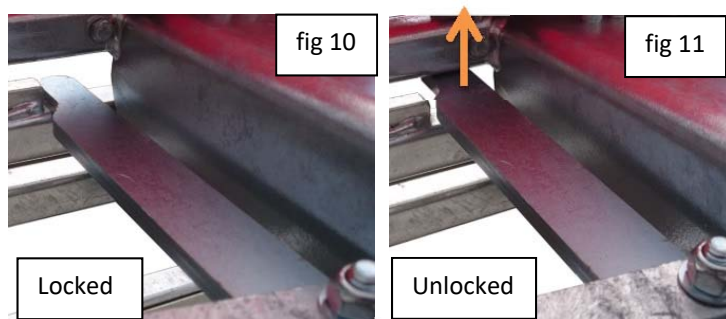
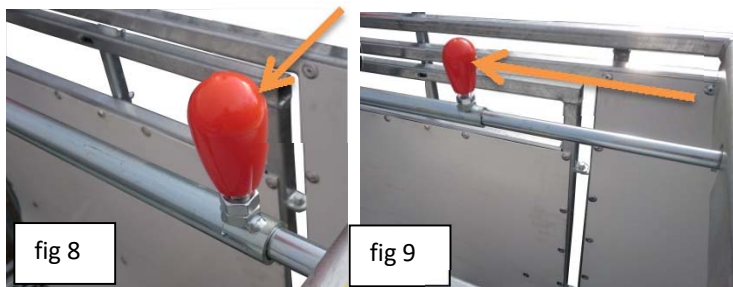
To weigh an animal:

Use Tru-test indicator to weigh the animal. Complete any other operations required.

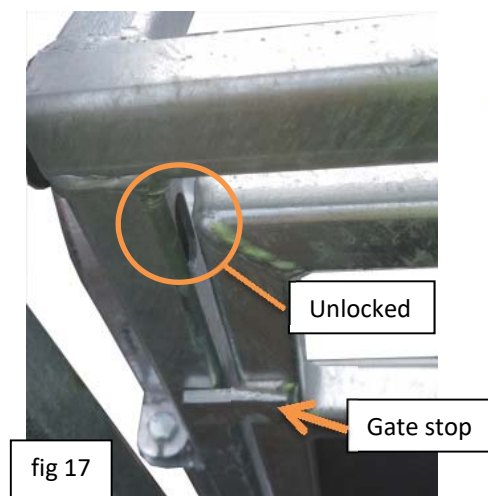
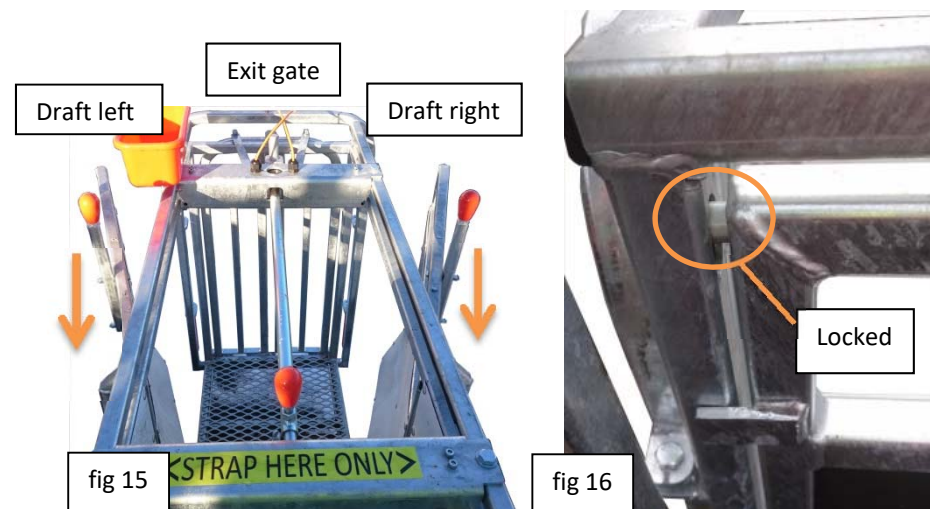
To release an animal:

If the animal is to go straight out. Push / pull the handle (in the middle, fig 8) to release the locking mechanism (fig 10 & 11), and slide the handle towards the exit (fig 9 & 12) to open the bi fold gates (fig 13). Allow the animal to exit. Then slide the handle inwards to close the gates (fig 14). **Ensure that the self-locking mechanism has engaged (fig 10).**





If the animal is to be drafted left or right, then the handle on that side should be pulled towards the entrance (fig 15) to release the locking pin (fig 16 & 17) and swung outwards to open the gate (fig 18). Once the animal has exited, swing the gate closed (against the stops) and release the handle to engage the locking pin (fig 16).

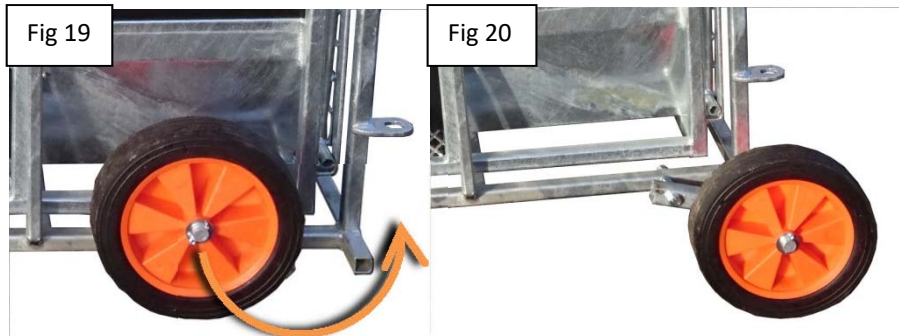


To move weigher to a different location

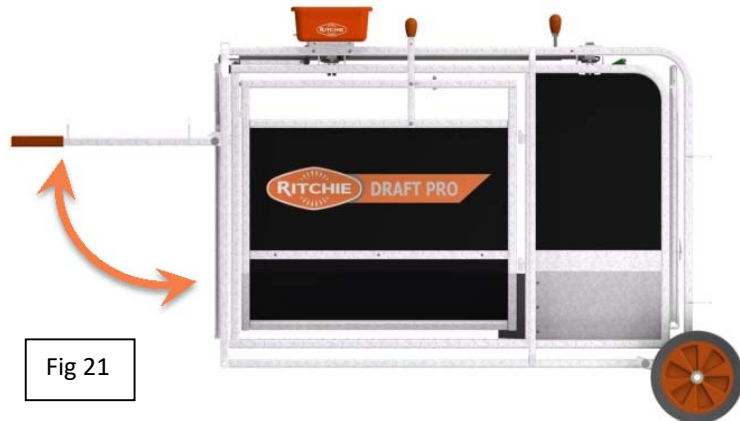
Disconnect the Tru-test indicator, and remove from the post. Failure to do this could damage the indicator.

Ensure all gates are closed and that all locking mechanisms are engaged.

Tilt the weigher to one side and allow the wheel to lower then push the wheel towards the entry and lower the weigher down so that wheel axle assembly is against the stop. Repeat on the other side. The weigher is now in the transportation position (fig 19 & 20).



Lift the transportation handles so that they are horizontal and against the stops (fig 21). Lift the handles further to lift that end off the ground. It can now be easily moved around on the wheels. Move the weigher to the new location and set down. The handles will return to the hanging position. Rotate the wheels, re-attach the indicator and the weigher is now ready to use again.



If the weigher is to be transported and strapped down. For example on a trailer or pickup truck. The tie down straps **MUST NOT** be attached to the inner frame. Attach to the outer frame as indicated by the 'strap here only' stickers (fig 22). **Strapping to the inner frame will put undue stress on the load cells and may damage them beyond repair.**



Fig 22



Maintenance and Lubrication



The weigher should be wiped down with a clean cloth, moistened with water containing a small amount of washing up liquid or proprietary detergent.

Oil and / or Grease regularly during operation

- 1 - Entry / exit gate pivot points & slides.
- 2 - Left & Right draft gate handles and hinges
- 3 - Wheels and axles
- 4 - Transport handles pivot points
- 5 - Handle sliding tubes



Spare Parts

<u>Part</u>	<u>Ritchie Part No.</u>
Wheel	WHPL275
Helper Spring	SPRINGDR1000
Handle (knob only)	HANDLE121062
Plastic Box	3669GPTUB
Split / Cotter Pin	COTTE3/16-4
Wheel Axle	669G-A902
Rubber Strip	RUBNEO3664G

If any other parts are required please contact your local David Ritchie supplier or David Ritchie (Implements) Ltd directly.



Plastic Box



Handle (Knob only)



Wheel



Wheel Axle



Split / Cotter pin



Helper Spring



[illegible]

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