



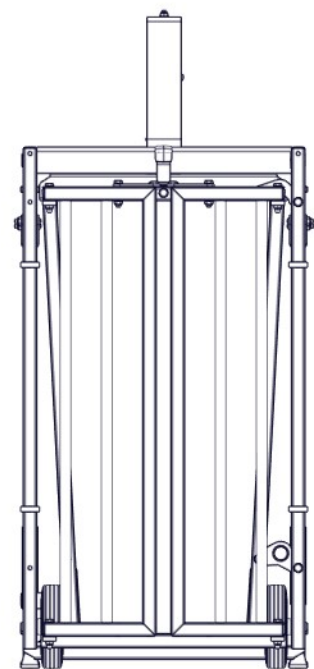
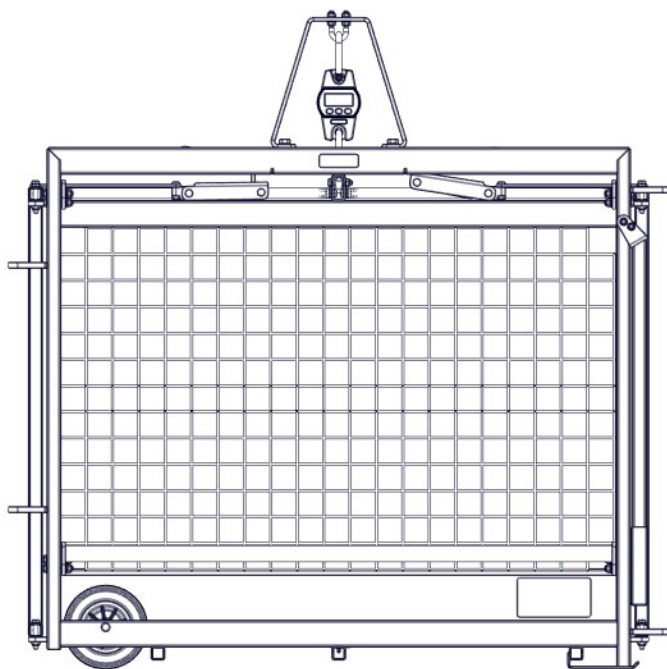
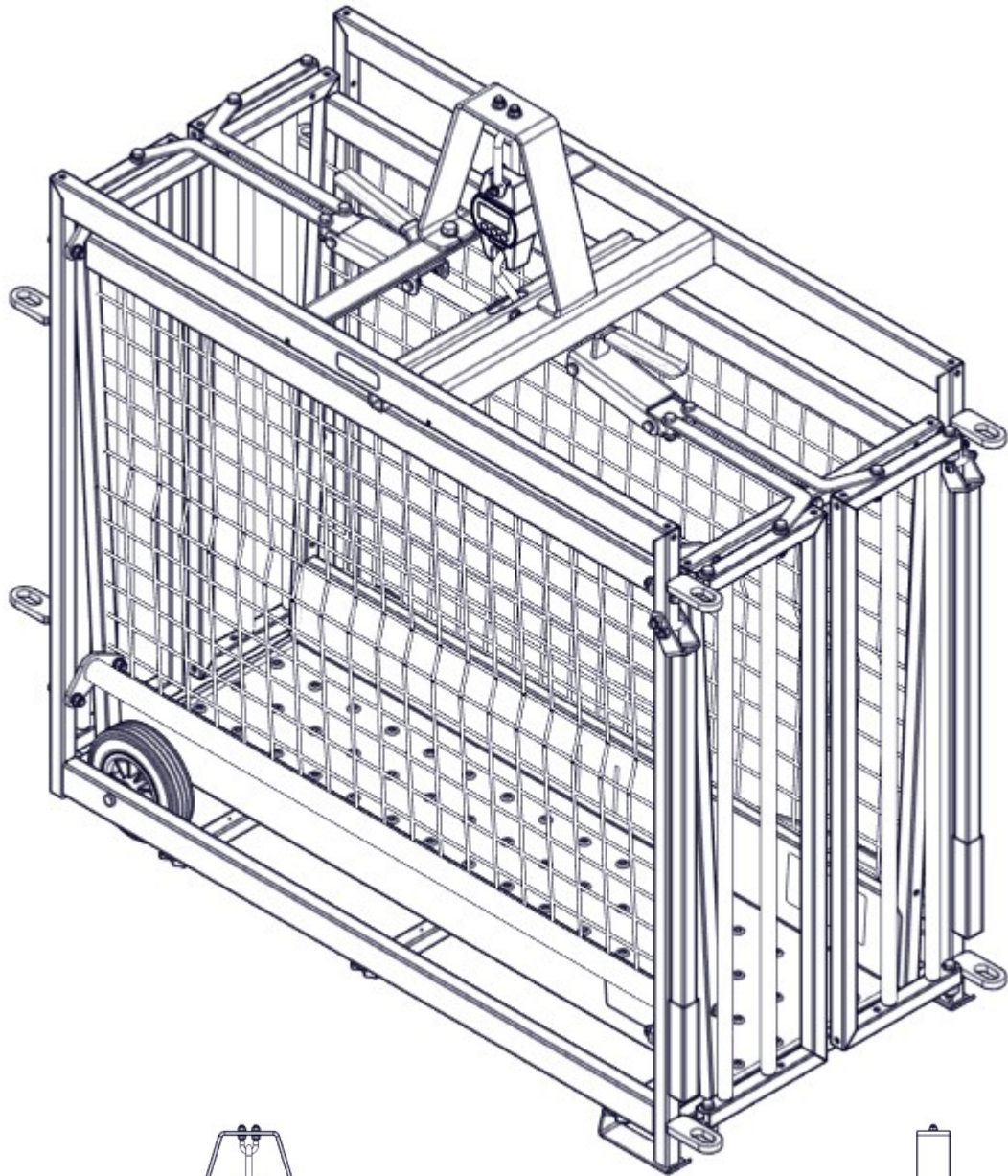
Lamb Weigher

Installation, Operation & Maintenance Manual

v1.0-17/09/2022
Sophie Nicholls



Illustrations



Contents

Health & Safety	4
Parts List	5-7
How To Assemble	
What To Assemble	8
Tools Required	8
Attaching Crane Scale	9
Attaching Storage Tray	10
How To Operate	11
How To Transport	12
Maintenance & Storage	
General Guidance	13
Paint & Protective Systems	13

Health & Safety

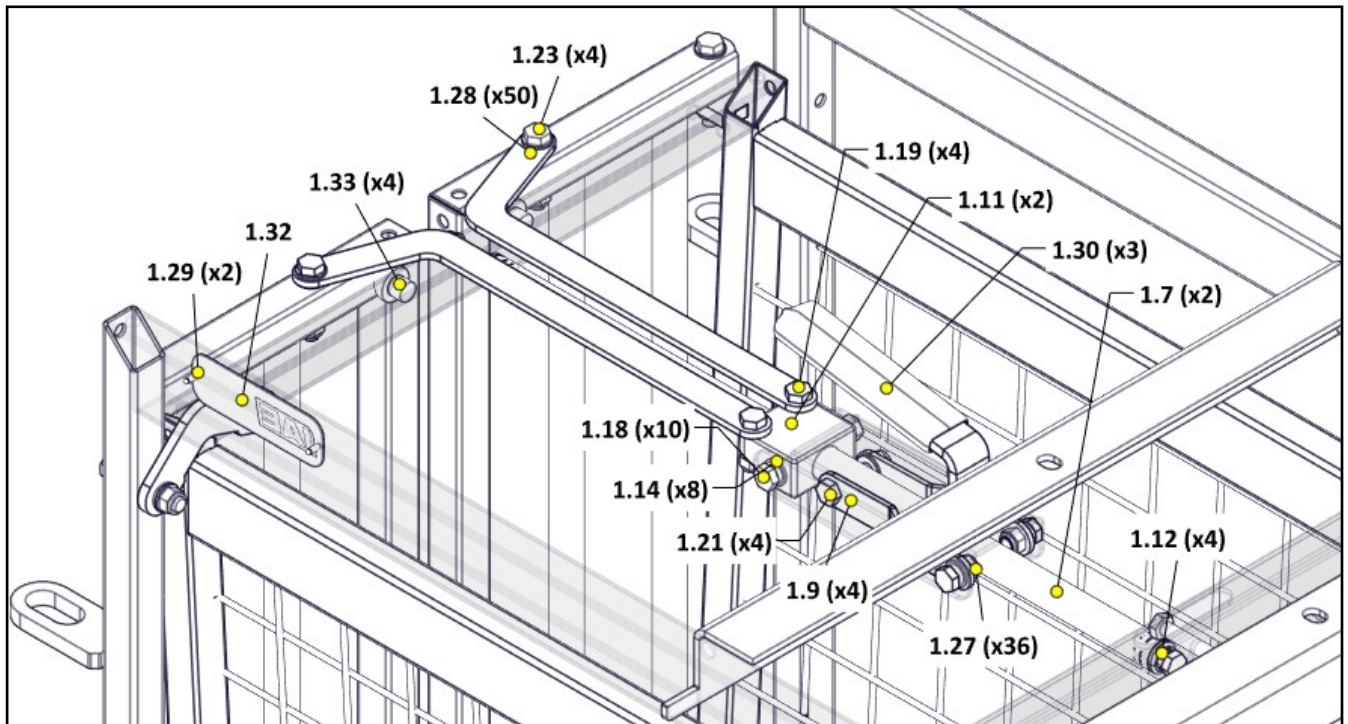
Please take note of the following before using the Lamb Weigher for the safety of all animals and personnel.

- **IMPORTANT!** Read these instructions carefully before use and keep them for future reference. The safety of your animals may be affected if you do not follow these instructions.
- Personal protection may be required for some stages of installation.
- **CAUTION!** When handling heavy equipment, some stages of installation may require at least two people.
- **DO NOT** lean on or exert undue pressure on partially assembled or loose equipment.
- **IMPORTANT!** Read the accompanying manual for the weigh scale.
- **NO!** bolt threads should be left exposed on areas where sheep traffic is expected.
- **CAUTION! CHECK POSTURE** when lifting/moving the Lamb Weigher, using the transport handles personnel must keep the load close to the body while lifting and avoid twisting the back or leaning sideways.
- **ALWAYS!** Check all parts are present before use.
- Make sure that the main body is situated in level ground.

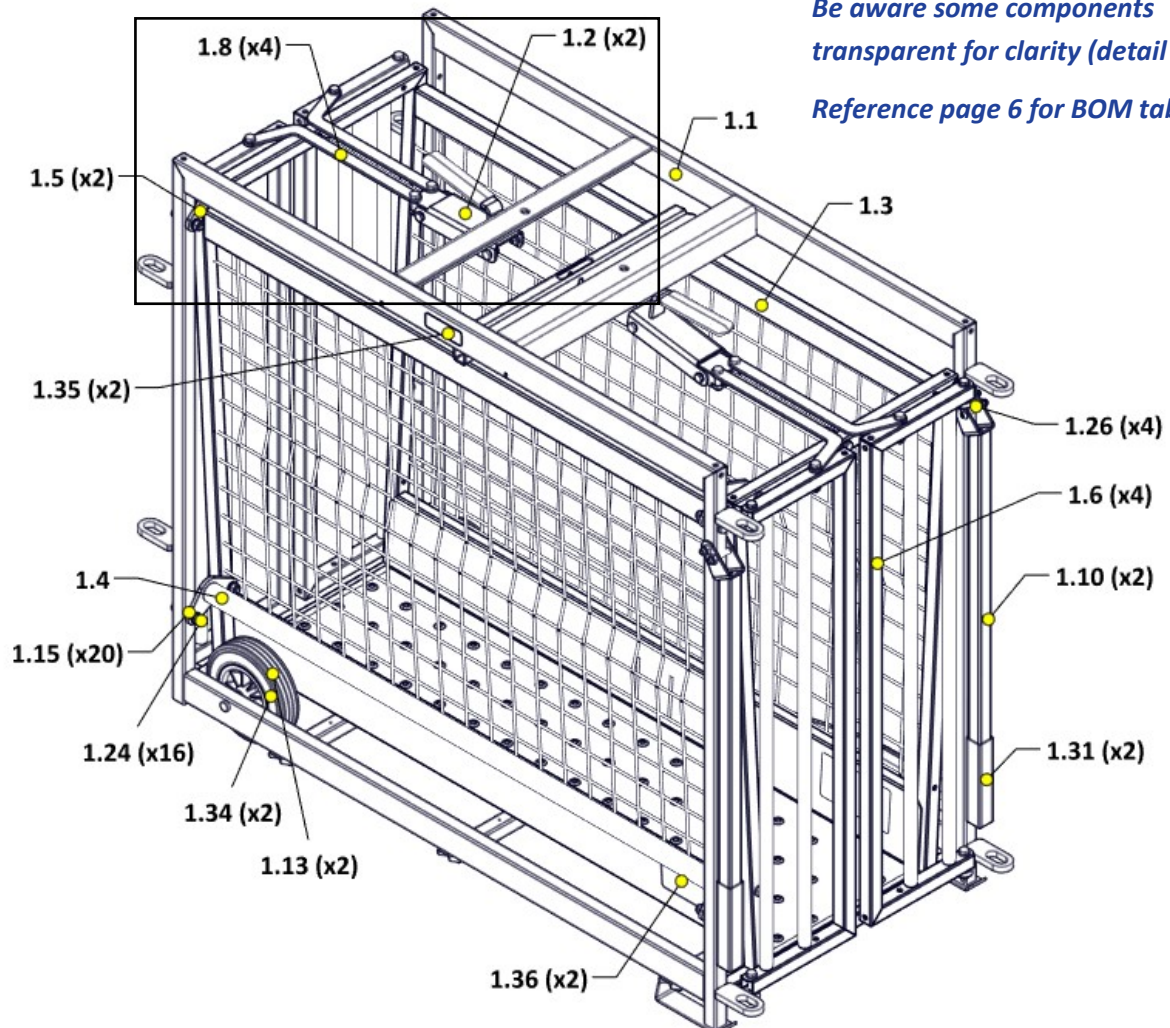
If you have any questions or comments regarding the Lamb Weigher, we will be glad to hear them either through our website www.iae.co.uk or by contacting your local IAE dealership.

Parts List

Lamb Weigher Crate Only Product Code 1002400-01

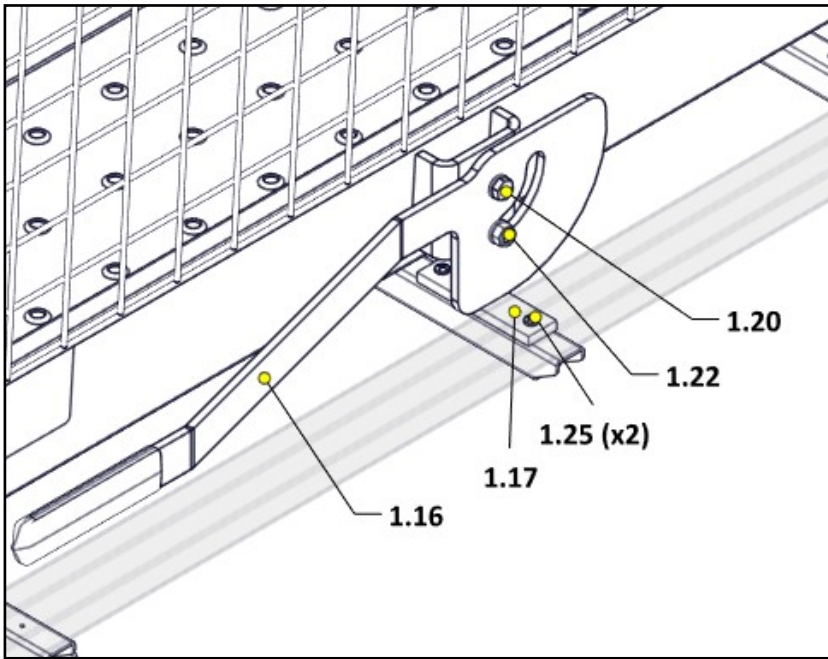


*Be aware some components
transparent for clarity (detail only)
Reference page 6 for BOM table*

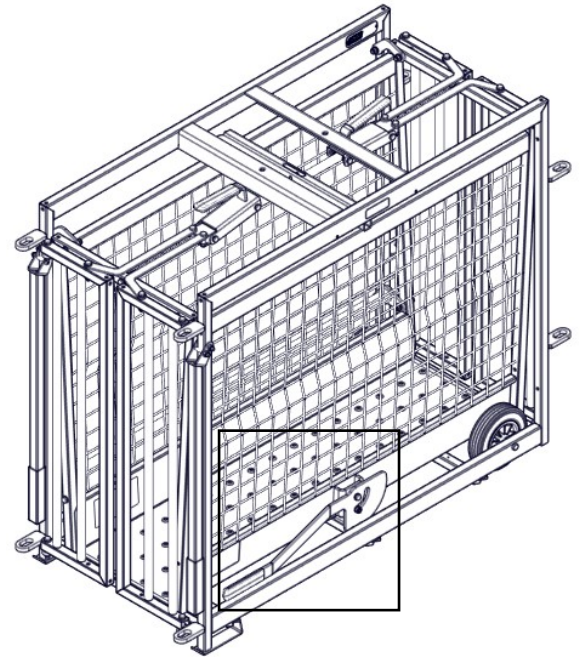


Parts List

Lamb Weigher Crate Only



Reference previous page 5 for added illustrations

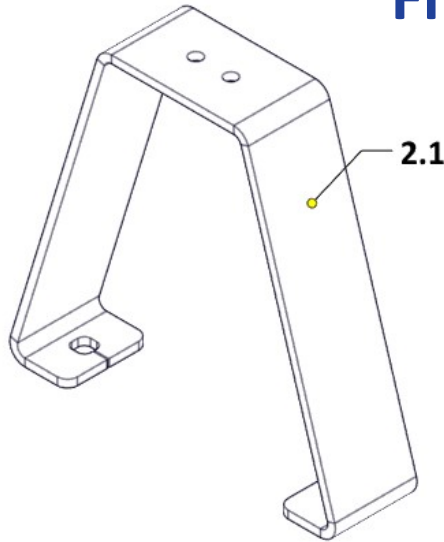


BOM ID	PART_NO	IAE_DESCRIPTION			
1.1	1002401	Lamb Weigher Outer Crate	1.19	B001 3080 30	M8 X 30 Setscrew BZP
1.2	1002402	Lamb Weigher Door Operating Handle	1.20	B001 3080 35	M8 X 35 Setscrew BZP
1.3	1002414	Lamb Weigher Inner Crate	1.21	B001 3080 40	M8 X 40 Setscrew BZP
1.4	1002426	Lamb Weigher Pivot Bar	1.22	B003 3080 25	M8 X 25 Bolt BZP (12mm Long Shank)
1.5	1002429	Lamb Weigher Pivot Bracket	1.23	B003 3080 45	M8 X 45 Bolt BZP
1.6	1002430	Lamb Weigher Door	1.24	B003 3080 50	M8 X 50 Bolt BZP
1.7	1002435	Lamb Weigher Operating Bar	1.25	B021 3551 19	5.5X19mm Pan Head (Phillips) Drill Screw
1.8	1002436	Lamb Weigher Door Hinge Bracket	1.26	1002908	M8 X 50 Socket Button Head Screw
1.9	1002438	Operating Handle Support Lever	1.27	B040 3002 08	M8 Full Nyloc Nut Type T BZP
1.10	1002440	Lamb Weigher Transport Handles	1.28	B041 3050 08	M8 Washer Form E
1.11	1002444	Sliding Block 48.5x25x45 HDPE	1.29	B052 4032 08	3.2X8mm Aluminium Blind (Pop) Rivet
1.12	1002445	25L M8 Threaded Tube Insert	1.30	B107 0001 90	19mm Blue Textured Hand Grip
1.13	1002573	Starlock Washer Capped 20mm	1.31	B107 0002 50	25mm Blue Textured Hand Grip
1.14	1002574	12.70.D 8.05ID 2.36 Nylon Washer	1.32	B111 0010 30	IAE Serial No. Label
1.15	1002576	8NB Ø12 6L Flanged Oilite Bush	1.33	B117 7021 01	Ø21 Rubber Mushroom Bump Stop
1.16	1002881	Lamb Weigher Locking Off Handle	1.34	B152 1001 60	Ø160 Wheel With Rubber Tyre
1.17	1002799	HDPE Bearing Block 100X25X7.5	1.35	B411 0001 01	Small IAE Sticker 75mm X 25mm
1.18	B001 3080 16	M8 X 16 Setscrew BZP	1.36	B411 0001 02	Product Sticker 140mm Wide X 75mm High

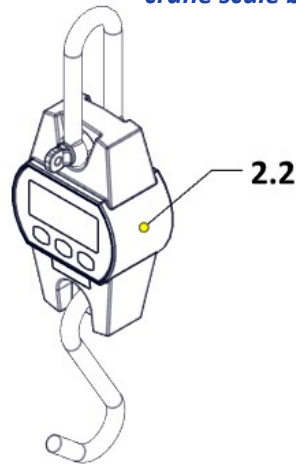
Parts

Fittings Kit t/s Crane Scale

Product Code: 1002586-01



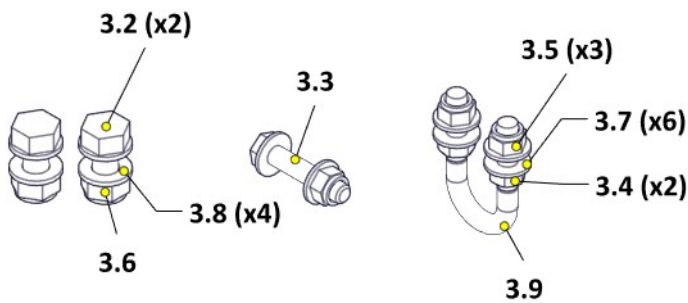
Loose items will be stowed away inside the main body inner crate (LCD digital crane scale bagged and sealed)



BOM ID	PART_NO	IAE_DESCRIPTION
2.1	1002880	Crane Scale Bracket
2.2	1002589	LCD Digital Crane Scale 300KG

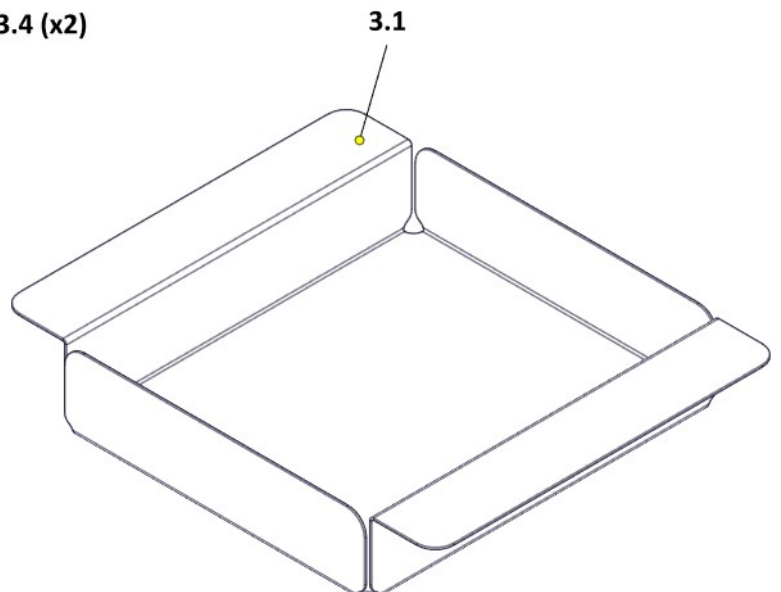
End User Assembly Pack t/s 1002400-01

Product Code: 1002802-01



Loose items will be bagged and stowed away inside the main body inner crate

BOM ID	PART_NO	IAE_DESCRIPTION
3.1	1002575	DX51 SHT 1 239X41X194 Profiled BTF
3.2	B001 3100 25	M10X25 Setscrew BZP
3.3	B001 3080 40	M8X40 Setscrew BZP
3.4	B040 3001 08	M8 Full Nut BZP
3.5	B040 3002 08	M8 Full Nyloc Nut Type T BZP
3.6	B040 3002 10	M10 Full Nyloc Nut Type T BZP
3.7	B041 3001 08	M8 Washer Form A BZP
3.8	B041 3050 10	M10 Washer (Form E)
3.9	B058 3082 11	M8 U Bolt For 21.3mm o/d Tube BZP



How To Assemble

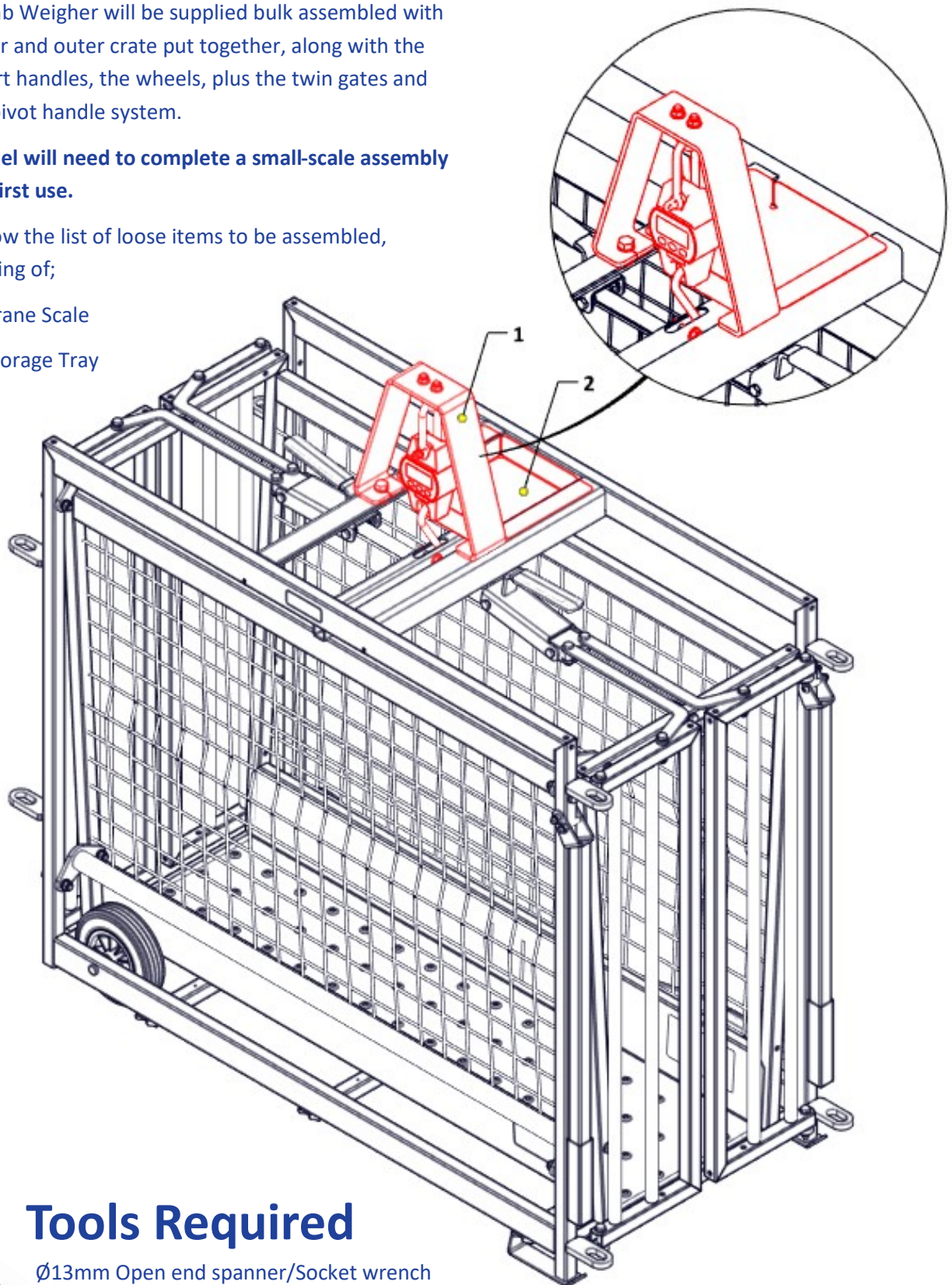
What To Assemble

The Lamb Weigher will be supplied bulk assembled with the inner and outer crate put together, along with the transport handles, the wheels, plus the twin gates and linking pivot handle system.

Personnel will need to complete a small-scale assembly before first use.

See below the list of loose items to be assembled, comprising of;

1. Crane Scale
2. Storage Tray



Tools Required

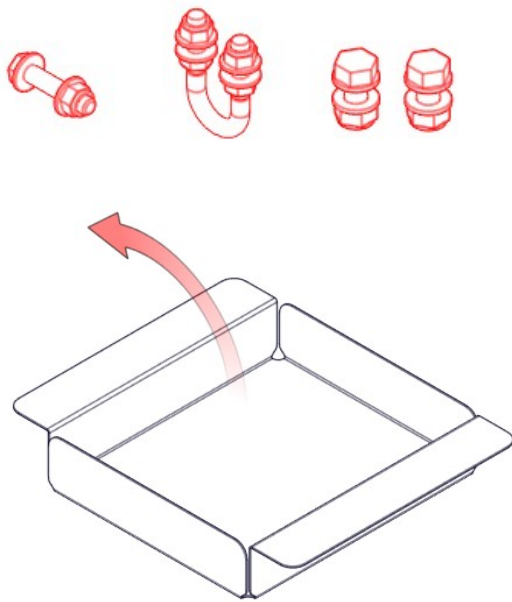


Ø13mm Open end spanner/Socket wrench

Ø17mm Open end spanner/Socket wrench

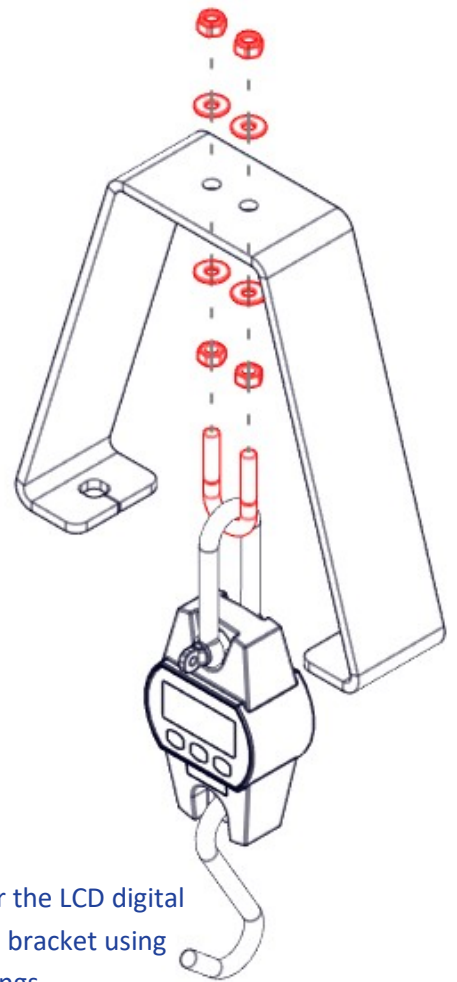
Attaching Crane Scale

1.



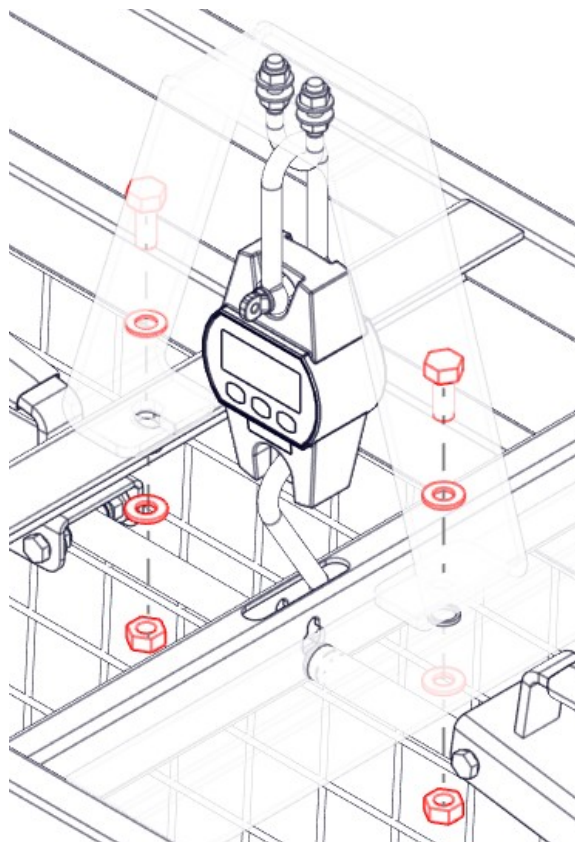
Remove bolt fittings from the bag supplied 'end user assembly pack', also containing the storage tray (to be set aside for assembly afterwards)

2.



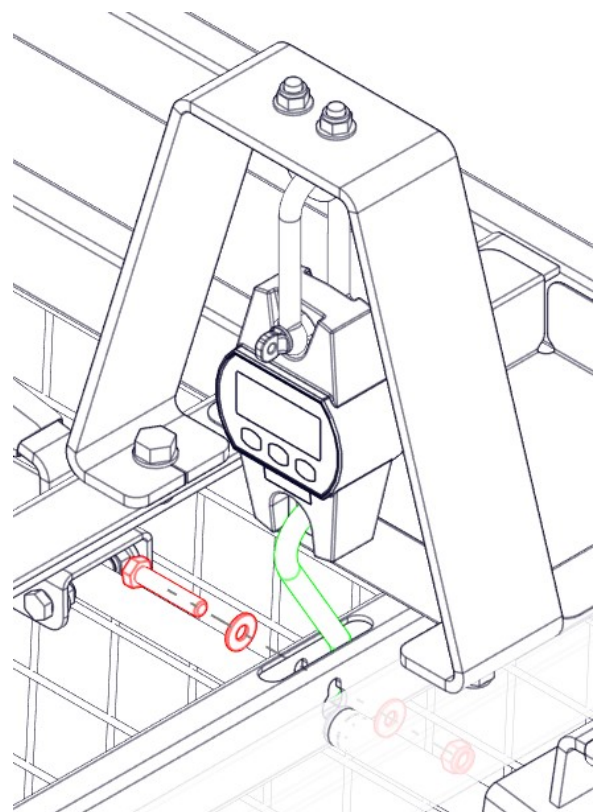
Fasten together the LCD digital crane scale and bracket using M8 'U' bolt fittings

3.



Using X2 M10 X 25 bolt fitting sets attach the bracket to the top of the lamb weigher outer crate - bolt holes in the bracket link with the slots in the angle struts; on the uppermost surface (some parts transparent for clarity)

4.



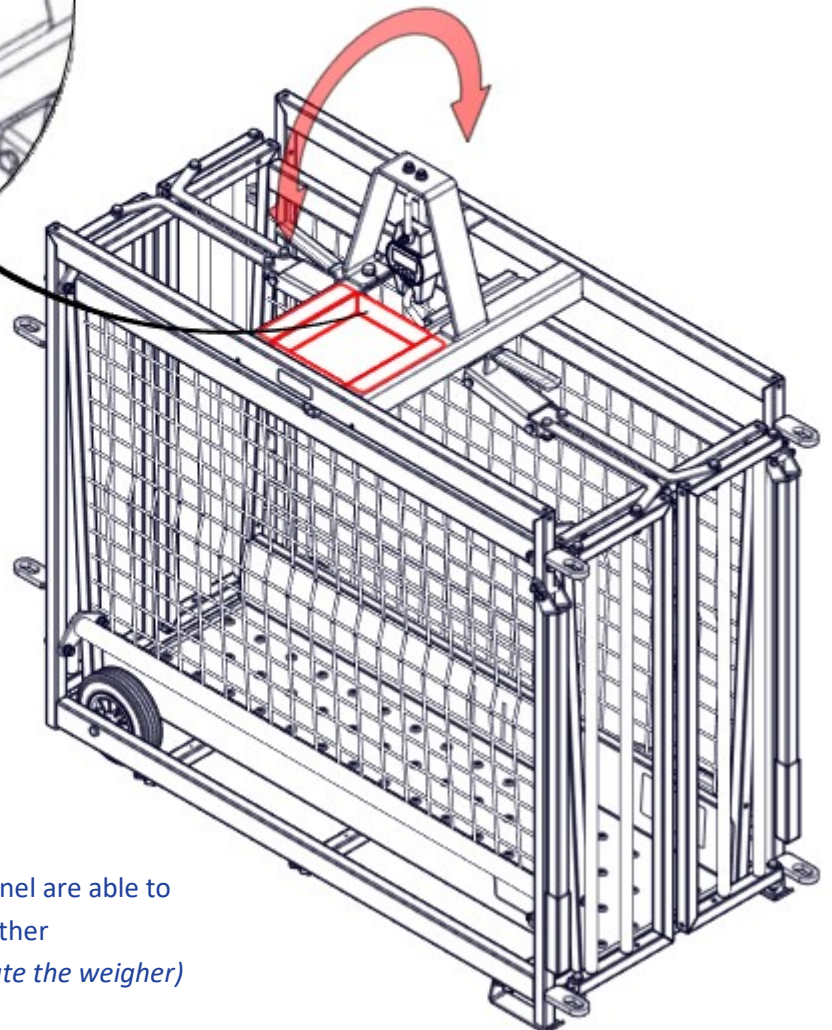
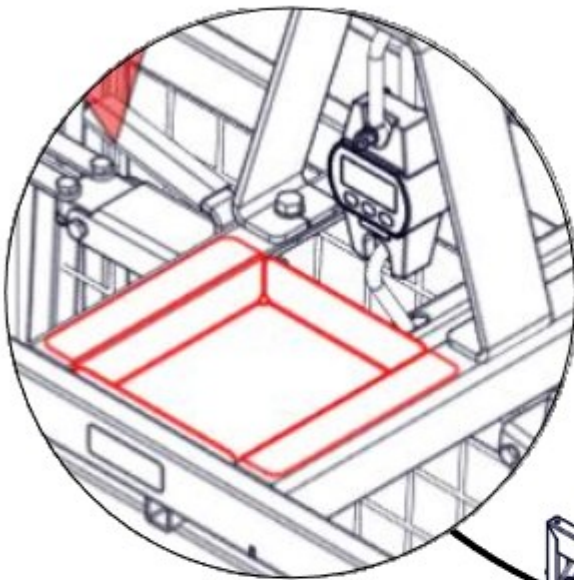
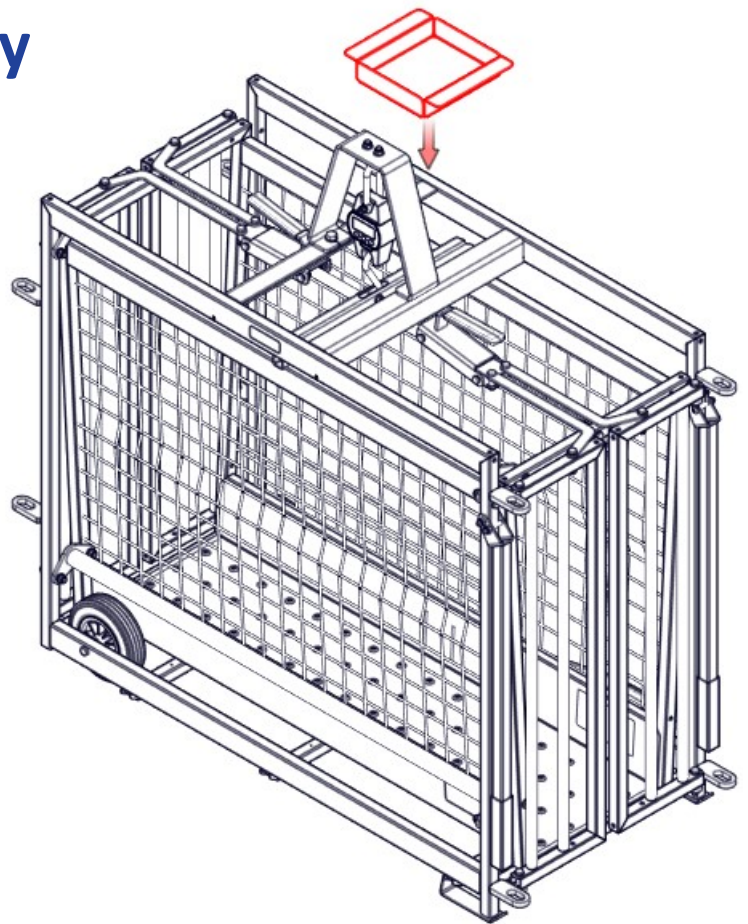
Insert M8 X 40 bolt fittings through the keyhole and fasten to secure the 'S' shaped hook (some parts transparent for clarity)

Now installation is complete

Attaching Storage Tray

To Attach

Place the rack on top of the Lamb Weigher, between the two angle struts on the uppermost surface of the outer crate (as shown to the right)



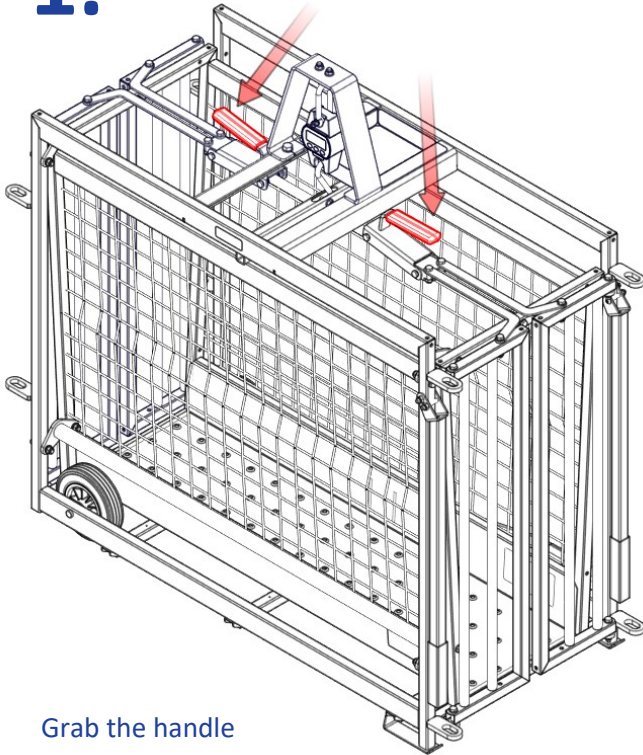
The rack is not fixed in place so that personnel are able to move the tray freely from one side to the other (dependant on the stance required to operate the weigher)

How To Operate

IMPORTANT: Twin doors to be operated separately in practice (*not simultaneously as shown*)

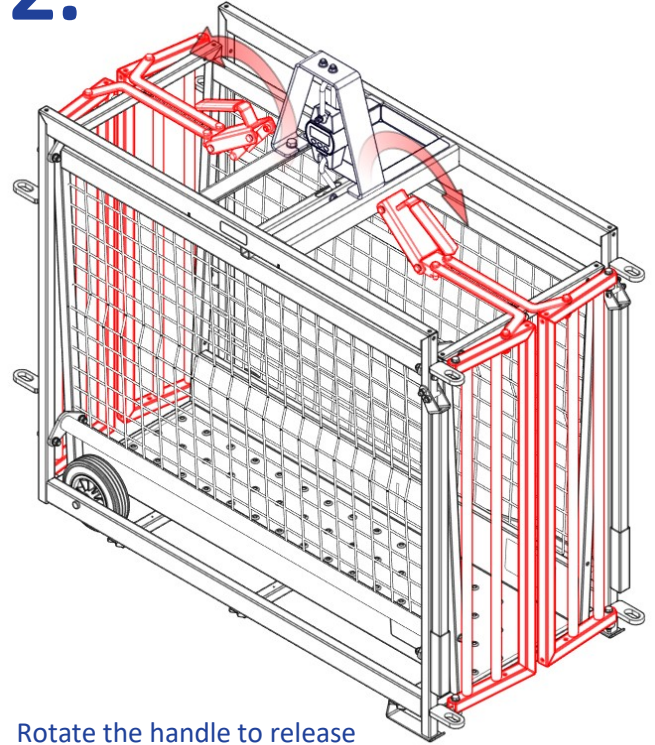
The lamb weigher features quick-acting twin doors at both ends of the weigher, utilising the unique pivoting handle system, the twin action front, and rear doors are able to be securely opened or closed as required. The information in the section aims to provide personnel with adequate instructions to operate the twin doors.

1.



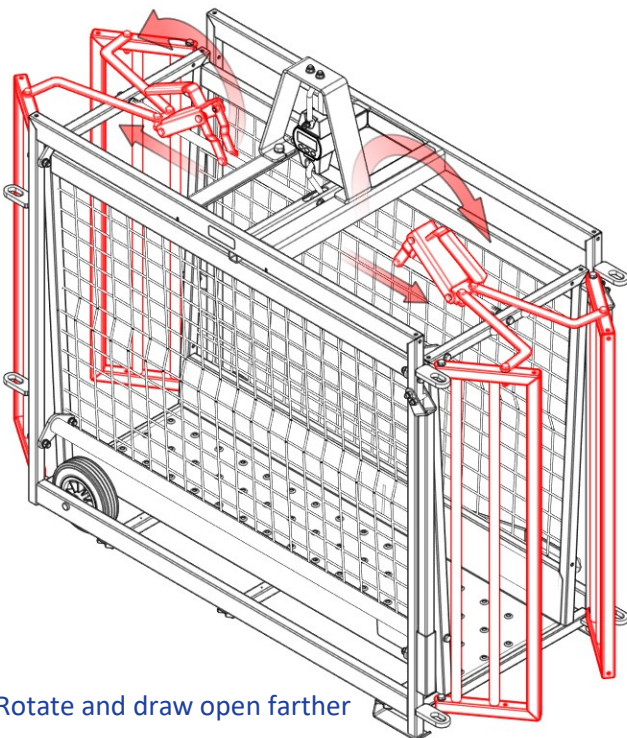
Grab the handle
(doors securely closed)

2.



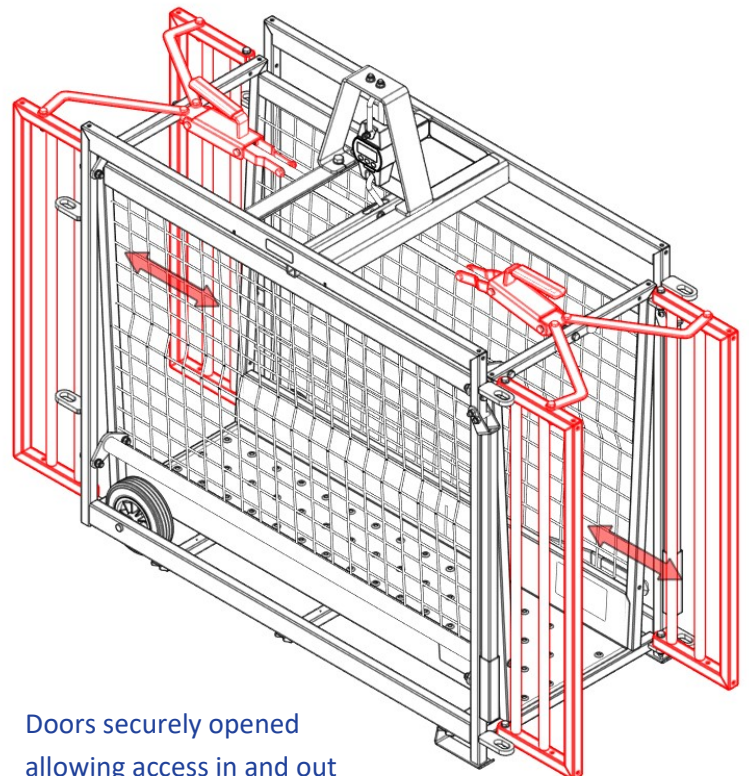
Rotate the handle to release

3.



Rotate and draw open farther

4.



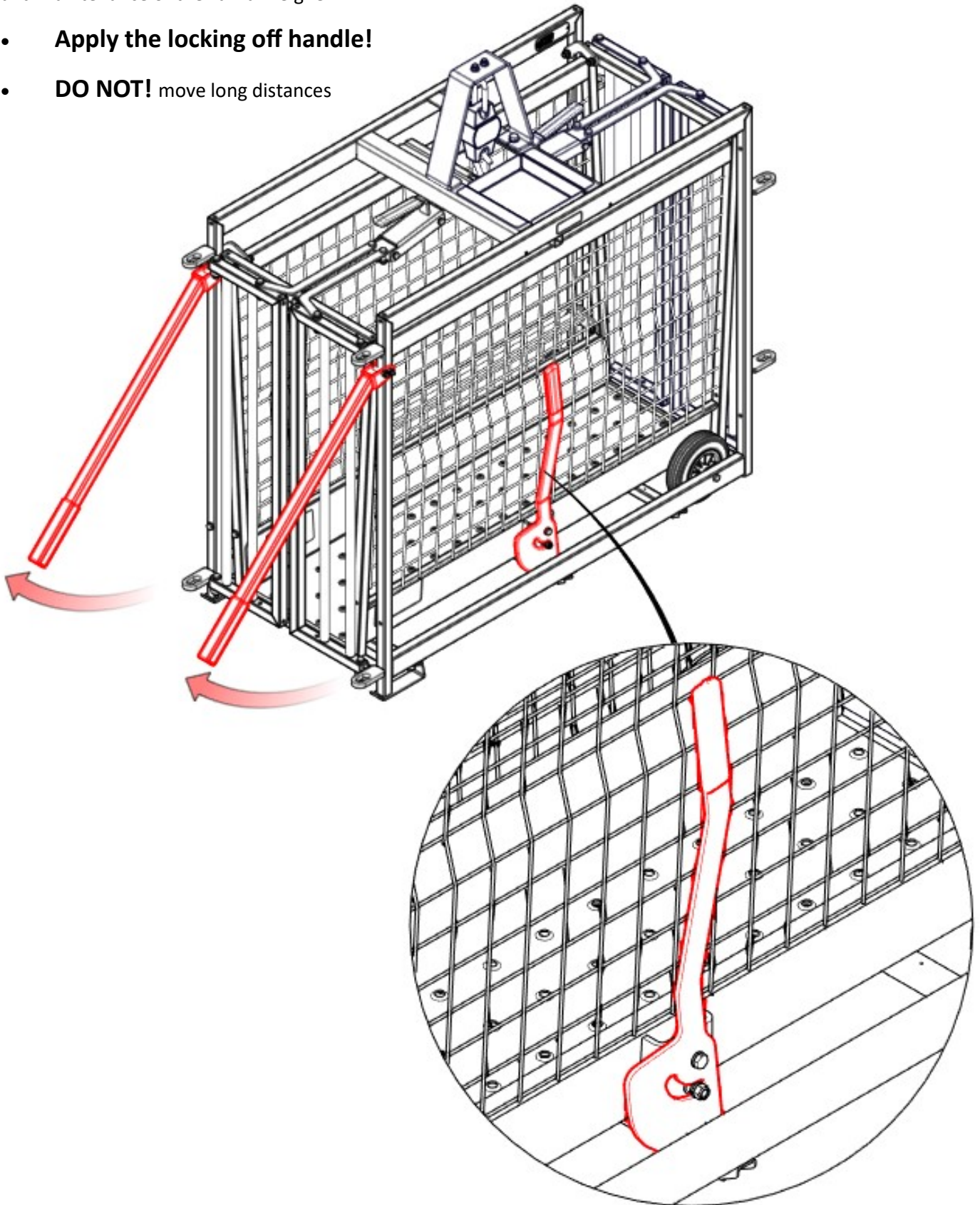
Doors securely opened
allowing access in and out
as required

How To Transport

Use the transport handles to reposition the Lamb Weigher.

Please take note of the following before moving, for the stability and maintenance of the Lamb Weigher.

- **Apply the locking off handle!**
- **DO NOT!** move long distances



Maintenance & Storage

General Guidance

Although IAE equipment is designed to withstand adverse weather conditions and to withstand prolonged heavy usage, monthly inspections and regular maintenance will help to extend the longevity of the product. The following checklist may be useful:

- Check steel framework for any signs of corrosion, distortion or wear. Replace or repaired; Any damage to steelwork (i.e. exposed bare metal) should be made good by rubbing down and applying 1 no coat of Galvafruid and 1 no coat of oil based paint.
- Check the operation of the side and sliding doors before each usage - Tighten/replace any fittings as necessary.
- Pressure wash or steam wash all equipment after each usage.
- Lubricate all moving parts at regular intervals.
- Check all nuts, bolts & set screws, pay particular attention to the nyloc nuts, over time the nylon contained can degrade - replace nylocs if required.
- Before storing, clean off any excess mud with water and pressure wash all components.
- Store the Lamb Weigher empty and upright.
- Ensure doors are closed and secured with latches when not in use to prevent wind damage.
- Cut away any vegetation growing on kit.
- Check the operation of the spring operated door handles before each usage - Tighten/replace any fittings as necessary.
- Locking off handle to be engaged when not in use

Paint & Protective Systems

The Galvanizers Association (www.hdg.org.uk) have conducted field tests with galvanised steel samples throughout the U.K. and identified localised corrosion rates within 10 mile squares.

The results of their tests indicate that steelwork of 3mm and 5mm thick. Hot Dip Galvanized to BS EN 1461: 1999 giving a coating thickness of 55 and 70 microns respectively, typically provides protection against corrosion in excess of 25 years.