





## RoteX®

# INSTALLATION, OPERATION & MAINTENANCE MANUAL

BF J000 0020 25 V1.0 JUN 2015

### **Health and Safety**



Stages of the installation may require the use of personal protection equipment.



Ensure the pallet is positioned on firm & even ground before unloading the panels. The pallet should not be unloaded whilst sat on an incline.



Ensure safety chains, located at each end of the pallet are used. When a panel is being unloaded all remaining panels should be secured to the pallet using the safety chain.



Assembly of the RoteX® system will require at least two people.

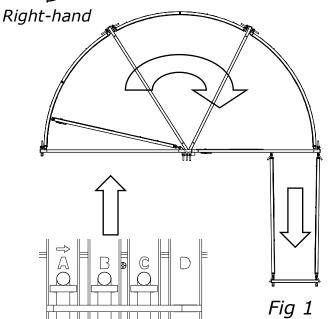


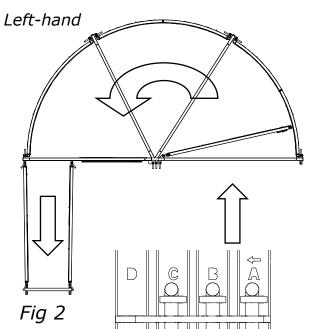
Some items, especially stock boarded items, will be very heavy. Exercise due caution when handling.

#### Right-hand and Left-hand setup



The RoteX® portable cattle handing system can be installed as either a left-hand or right-hand







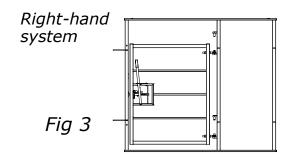
The top labels on the central pillars indicate which way animals will progress through the system. The animal will always progress from "A" to "D" regardless of the setup.

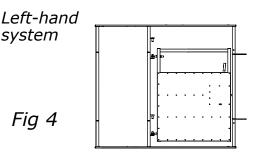


The RoteX® system is supplied as a default right-hand configuration. If you wish to set the RoteX® system up as a left-hand configuration then the access gate mounted on panel "D" will need to be removed, the frame rotated through 180° and the gate re-hung.

system

Fig 4





These assembly instructions are to complement the installation video and photographic guide at:

#### www.iae.co.uk/agriculture/products/rotex/

Although the system can be erected in any order, we recommend starting with panel "D" and building the system up around that.

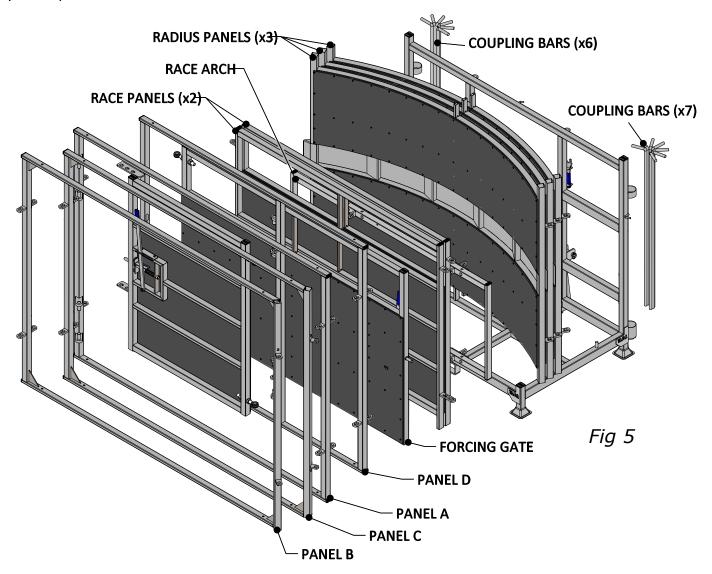


Fig 5 shows the recommended load order for the RoteX® pallet. Arranging the components in this way enables the system to installed quickly on subsequent occasions as well as ensuring that all components fit safely on the pallet.

Care should be taking when removing or placing panels onto the pallet so as not to scrape or damage them. Any damage which leads to the removal of the galvanised finish should be rectified as soon as possible using a suitable rust-proof applicant.

All panels should be handled on and off the pallet by at least two people.

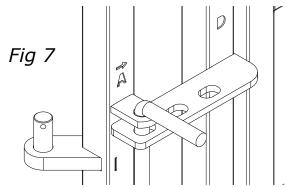
Always use the supplied ratchet strap & safety chains to secure the components to the pallet before transporting.



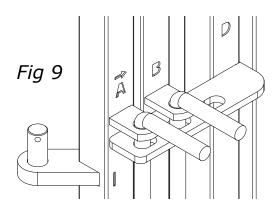
When installing the RoteX® system, make sure that all the cranks on the coupling bars face outwards, away from the animal.

Remove the RoteX® support frames (A), (B), (C) and (D) from the pallet and arrange them so that they can be easily accessed during installation. Fig 6 shows a typical arrangement for a *right-hand* installation. Refer to page 1 if you are installing the system in a left-hand configuration. Note that *all* panel labels will converge at the centre of the RoteX® arc.

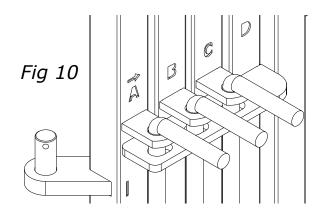
Offer (A) up to (D) and fix the two panels together with one of the supplied coupling bars.

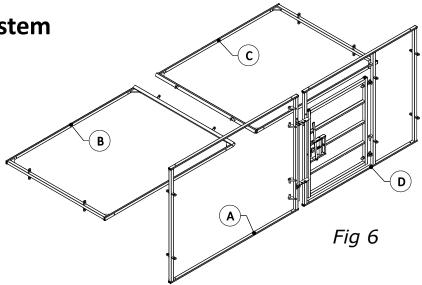


Offer up panel (B) and fix to panel (D) with one of the supplied coupling bars. Use the slot immediately next to panel (A). (Fig 9)

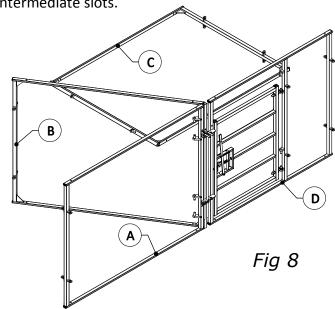


Check that each coupling bar passes through all *four* slots along its length before proceeding.

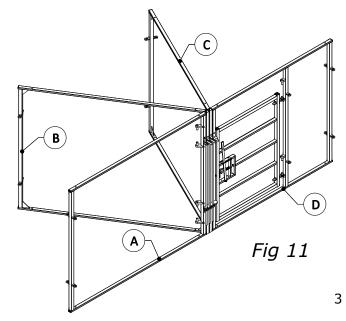


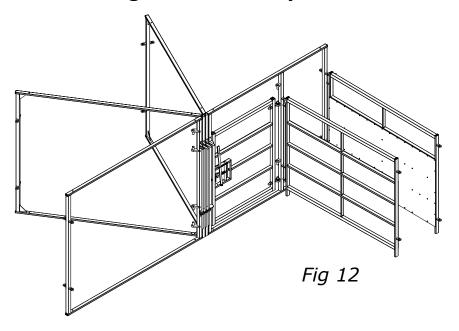


Panel (A) should be joined to panel (D) using the slot at the furthest extent from panel (D). This allows panels (B) and (C) to be fitted to the intermediate slots.



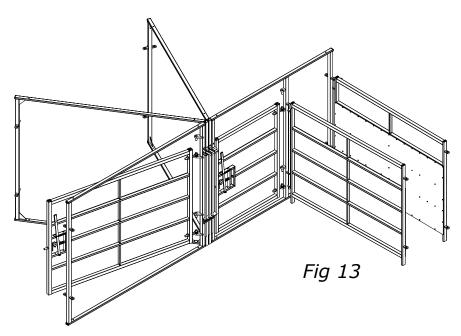
Offer up panel (C) and fix to panel (D) with one of the supplied coupling bars. Use the remaining slot between panel (B) and panel (D). (Fig 10)





Fix the stock board hurdle panels to the doorway section of panel (D) ensuring that the stock boarded face of the panels face *into* the race.

Use 1no coupling bar per panel ensuring that it passes through all the available eyes.



Hang the forcing gate on the hinge hooks on panel (A). On a right-hand system (Fig 13) the stock boarded face will face inward. On a left-hand system the stock boarded face will face outward.

Always insert the lynch pin into the top hook.

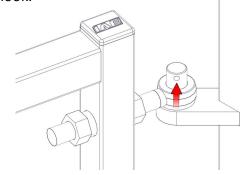
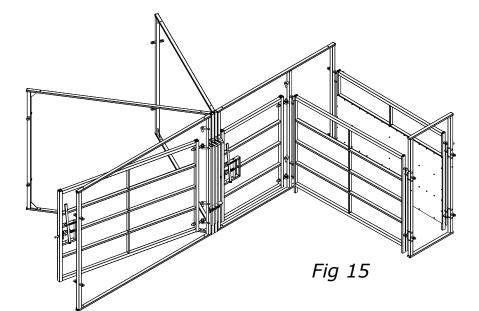


Fig 14



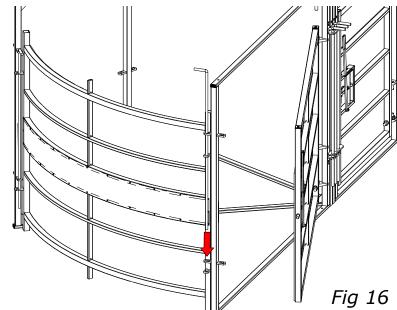
Fix the race arch to the stock board hurdle panels.

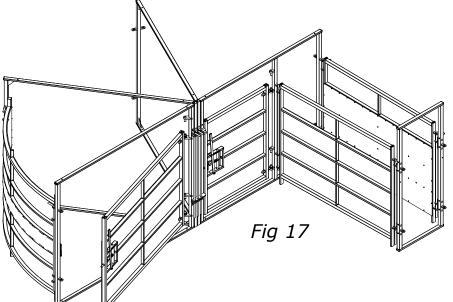
Use 1no coupling bar per panel ensuring that it passes through all the available eyes.

Fit the first radiused stock boarded panel to the support frame making sure that:

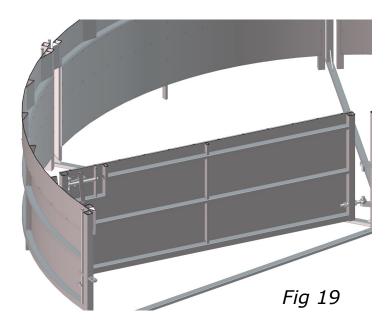
The stockboard is on the inside of the system

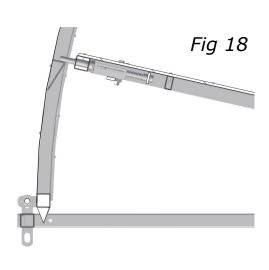
The ratchet system is facing the correct way for the forcing gate to move freely in the same direction which the cattle will travel. (Figs 18 and 19).





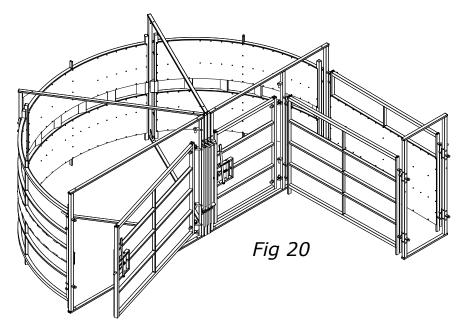
Use 2no coupling bars per panel ensuring that it passes through all the available eyes.



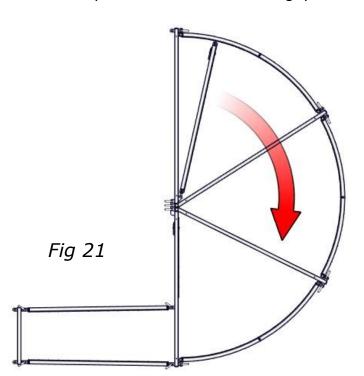


Fit the remaining radiused panels to the RoteX® system (Fig 20) making sure that the ratchet system is handed the same way as the first panel (Figs 18 and 19).

Check that every panel is secured at both ends by a coupling bar and that all the panels have been installed the correct way around.



The assembly of the RoteX® cattle handling system is now complete.



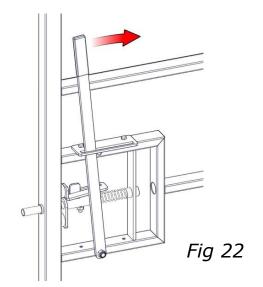
Prior to using the RoteX® system, check the operation of the forcing gate.

Push the forcing gate to its furthest extent to check that the spring latch engages at every ratchet point along the outer frame.

It is possible to adjust the hinge setup on the forcing gate using the supplied spanner to achieve the desired result. Furthermore the bolt shoot can be adjusted.

To return the forcing gate to its open position the latch must also be in the "open" position in order to open the forcing gate so that the latch clears the ratchet system.

Take care when returning the forcing gate to its "open" position not to trip over the internal framework of the system.

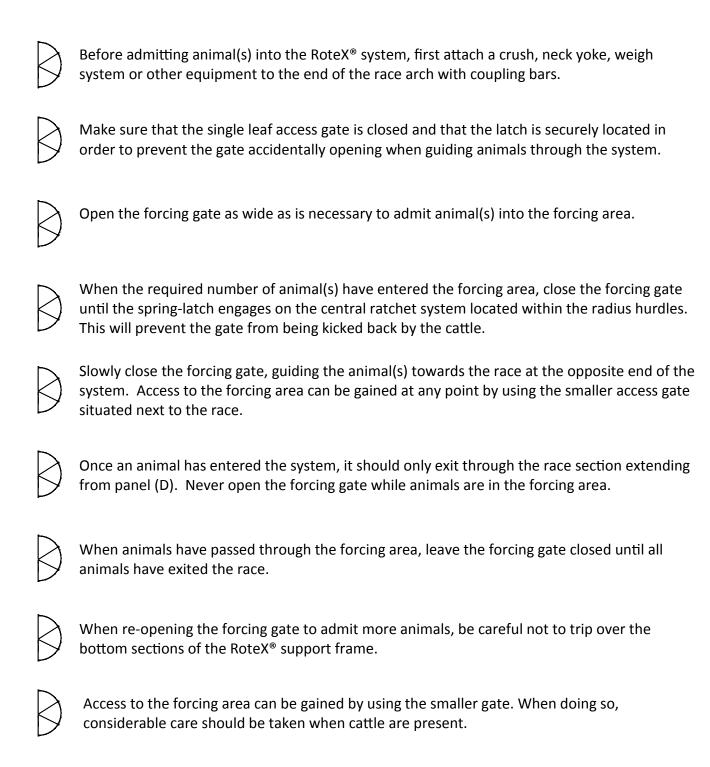


#### Operating the RoteX® system

The IAE RoteX® system is designed to funnel animals from a wide area down a single file race from which they can then be moved into a cattle crush for instance. You can see the RoteX® portable cattle handling system in action on our website:

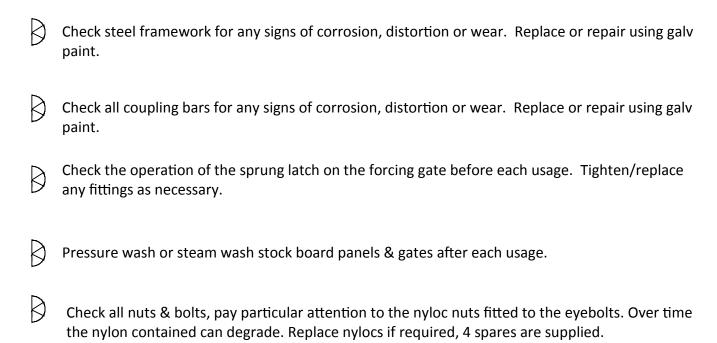
#### www.iae.co.uk/agriculture/products/rotex/

Animals can be made to travel through the system in an orderly way, without panic and with the safety of the animal and the operator of paramount importance.

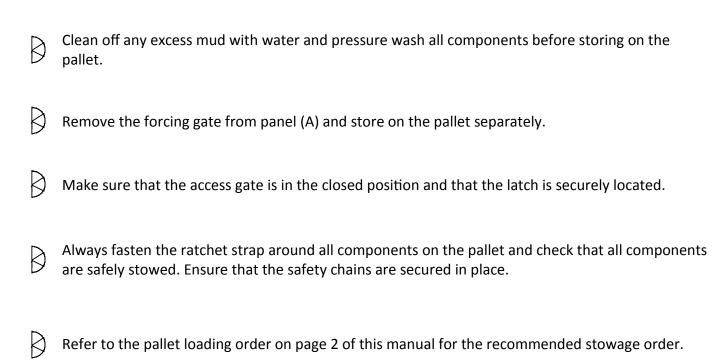


#### **Maintenance**

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:



#### **Storage**





## For further information contact your Authorised Dealer

Dealer Stamp

