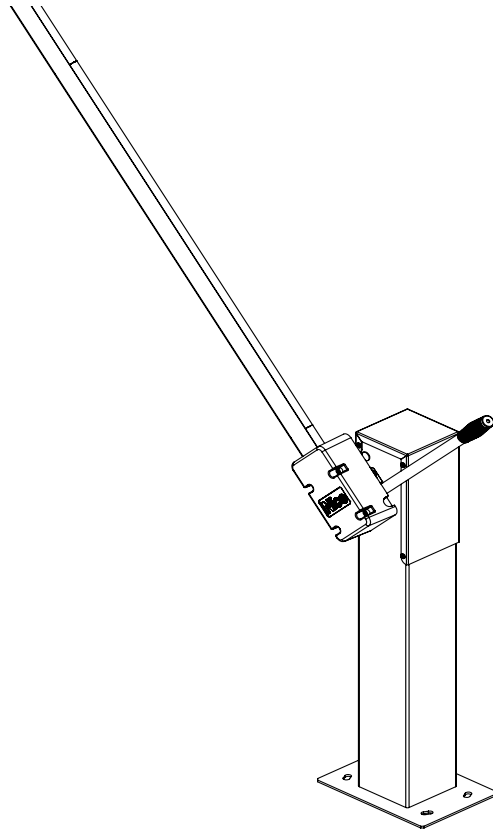


Installer Instructions



Access Manual Traffic Barrier



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Be Safe!

WARNING!! These are the general safety obligations for the installers and users of ET Nice (Pty) Ltd products. These safety instructions must be issued to the responsible end user during the handover and instruction meeting.

1. Only suitably qualified persons, may install, repair or service the product. Unless expressly indicated in the user instructions, no user serviceable components can be found inside any ET Nice (Pty) Ltd product.
2. It is important for personal safety to study and follow all the instructions carefully. Incorrect installation or misuse may cause serious personal harm.
3. Keep the instructions in a safe place for future reference.
4. This product was designed and manufactured, strictly for the use indicated in the accompanying documentation. Any other use not expressly indicated in the documentation, may damage the product and/or be a source of danger. ET Nice (Pty) Ltd cannot accept responsibility for improper use or incorrect installation of this product.
5. ET Nice (Pty) Ltd cannot accept responsibility if the principles of good workmanship are disregarded by the installer.
6. ET Nice (Pty) Ltd cannot accept responsibility regarding safety and correct operation of the system, if other manufacturers' equipment is added to this product.
7. Do not make any modifications or alterations to this product. Do not substitute any component of this product with any other component not expressly designed for this product by ET Nice (Pty) Ltd.
8. Anything other than expressly provided for in the accompanying instructions is not permitted.

Prior to installation - Step 1.

It is the responsibility of the installer to:

1. Ensure the installed position selected for this product, falls within the limitations of the products ingress protection rating.
2. Ascertain that the designated persons (including children over the age of 8 years old) intended to use the system, do not suffer reduced physical sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the system by a person responsible for their safety.
3. Ensure the user is aware that children under 8 years old may not play with or use the product and children over 8 years old may only use the product if under adult supervision by the person responsible for their safety.
4. Ensure the selected area for installation of the product is clear of any interfering obstacles and that none of the protruding moving parts of the product such as the handle, will impact on any walkways or pedestrian traffic.
5. Ensure that the area immediately adjacent to the product in any part of the products action, is easy to keep clear of all persons. In such a way that all persons are kept at a safe distance from the product when being operated.
6. Ensure the area where the mounting plinth is to be installed, is sufficiently firm and will hold the plinth securely.
7. Ensure there are no underground electrical, sewerage or general plumbing feeds beneath the barrier and if there are that the installation and use of this product does not interfere negatively with those services.
8. Ensure that all trade use safety precautions are in place that may apply to the safe use of the equipment and tools required to install this product, prior to commencement of installation of this product.

During installation - Step 2.

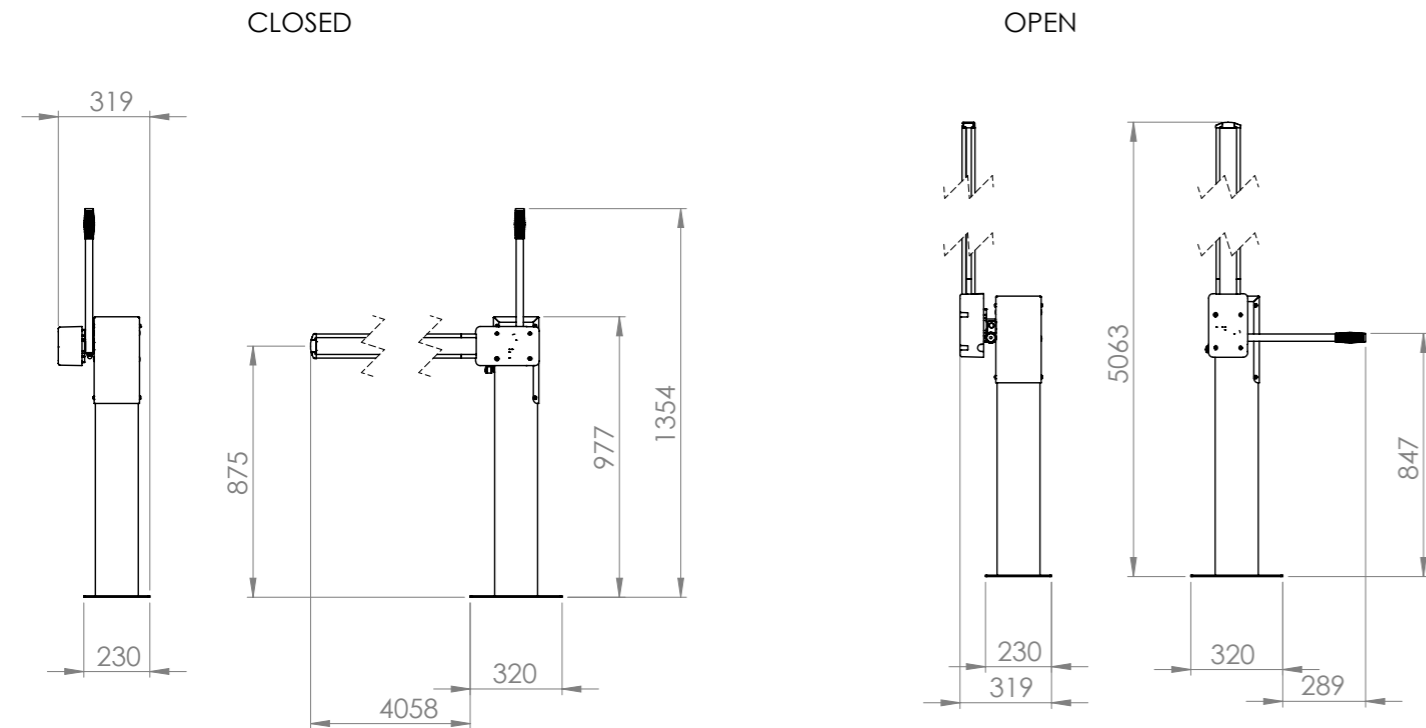
1. Ensure the work area is clear of obstructions and obstacles.
2. Ensure that all trade safety practices are adhered to and carried out throughout the installation this product.
3. The emergency manual release instruction label must be installed on or adjacent to the emergency manual release mechanism.
4. At no time should the internals of the product be worked on or adjust without the locking cam being firmly and squarely locked.
5. When working on the spring tensioning system, only do so with the springs relaxed (pole raised) state and only after ensuring the the locking mechanism is securely locked as per point 4 above.
6. Before commencing the pole mounting stage. It is critical that the main body of the product is properly installed and firmly secured to the mounting plinth.

After installation - Step 3.

It is the responsibility of the installer to demonstrate and ensure the following:

1. The user, is proficient in the use of the keyed fully open and fully closed locking mechanism.
2. The user, is issued with the documentation accompanying this product.
3. The user, is understands that the gate or door or barrier may not be operated out of clear sight.
4. The user, is aware that persons are kept clear of the working area at all times, and that children under the age of 8 years old do not play with the product or any component of the system.
5. The user, is aware that children over the age of 8 years old may only use the system under supervision of an adult responsible for their safety.
6. The user, is aware that the user may not to attempt to repair or adjust the system and to be aware of the dangers of continuing to use the system in an unsafe condition before a service provider attends to it.
7. The user, is aware of what to check for with regards to wear and tear that may need to be attended to from time to time by a professional service provider.
8. The user, is aware that it is unsafe to leave the boom pole in the upright position unattended, where a gust of wind can blow it closed. In cases where the boom must remain open and unattended, the locking mechanism must be engaged as per point 1 above.
9. The user, is aware of what constitutes user maintenance and/or cleaning of the product and is shown how to carry this out in a safe manner with the locking mechanism in point 1 above engaged.

Dimensions.



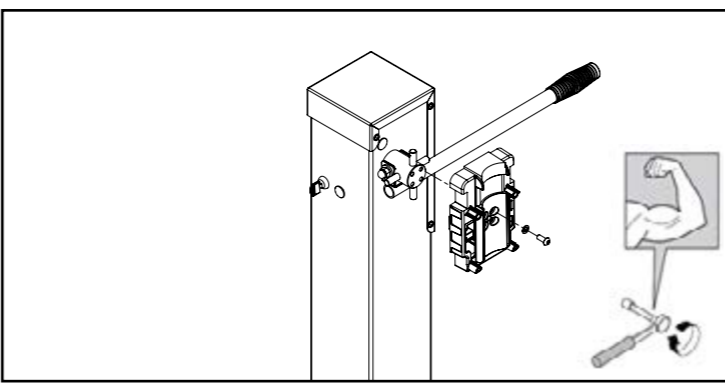
Mounting and assembly method.

<p>01.</p>	<p>Establish where the traffic barrier mounting position needs to be.</p> <p>Prepare a concrete plinth with the dimensions and orientation shown in the adjacent diagram. It is recommended that a mix ratio of 25-30MPa be used.</p>	<p>CONCRETE PLINTH 500 x 400 x 400mm (25-30MPa)</p> <p>KERB STONE</p> <p>ROADWAY</p> <p>EARTH</p> <p>Dimensions: 500mm (length), 400mm (width), 40mm (height), 240mm (width of kerb stone), 120mm (width of roadway), 100mm (width of kerb stone).</p>
<p>02.</p>	<p>Using these mounting dimensions, prepare your anchoring points in the properly set and cured plinth.</p> <p>Firmly fasten the main body onto the concrete plinth.</p> <p>It is recommended that chemical anchors, nylock nuts and washers be used.</p>	<p>Dimensions: 320mm (width), 200mm (height), 120mm (width of hole), 61mm (height of hole), 172mm (width of hole).</p>
<p>03.</p>	<p>With the main body securely mounted to the plinth, remove the cover plate and check to make sure the spring is in the relaxed state. (The spring is in the relaxed state ex-factory)</p> <p>After ensuring the spring is in the relaxed state, ensure the mechanism is locked in this open position via the keyed locking mechanism.</p>	<p>Turn counter-clockwise to unlock.</p> <p>Turn clockwise to lock.</p>
<p>04.</p>	<p>Assemble and install the shaft adaptor and handle as shown in the diagram adjacent here.</p>	<p>SHAFT ADAPTER</p> <p>M10 x 60mm HEX BOLT</p> <p>HANDLE</p> <p>M10 WASHER</p> <p>M10 NYLOC NUT</p>
<p>05.</p>	<p>Install the two cross brace pins as shown in the diagram adjacent here.</p>	

06. Install and fasten the pole mount base onto the shaft adaptor as shown in the diagram adjacent here.

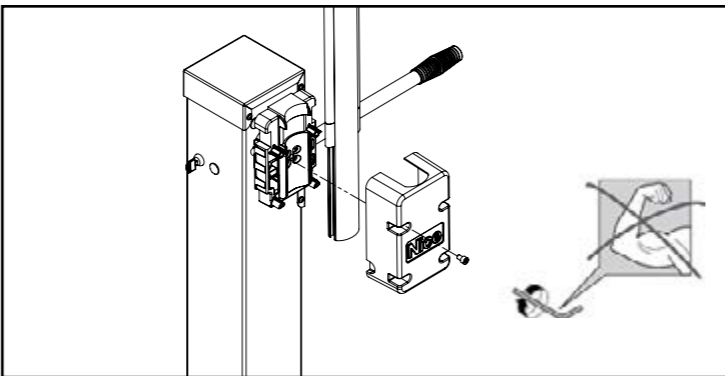
Take care to ensure the cross bracing pins are correctly aligned to the slots in the pole mount base. The pole mount base should fit easily onto the shaft adaptor without excessive force.

When satisfied the pole mount base is in the correct position, fasten the four cap screws firmly. A little bit of thread lock can be used here.

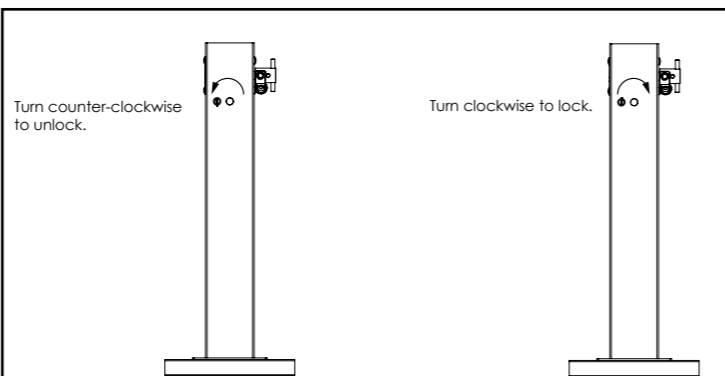


07. Taking care not to lose control of the boom pole, clamp it onto the pole mount base with the pole mount outer cover.

Take care when tightening the caps screws as you do not want to strip the threads in the pole mount base.



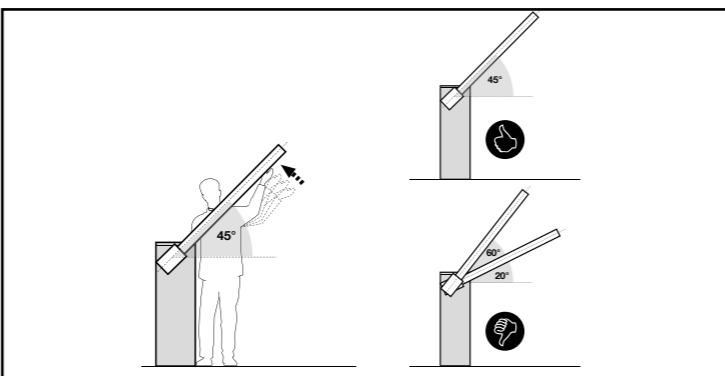
08. With the boom pole installed and secured in the pole mount clamp, unlock the keyed locking device so that you can check the action of the barrier.



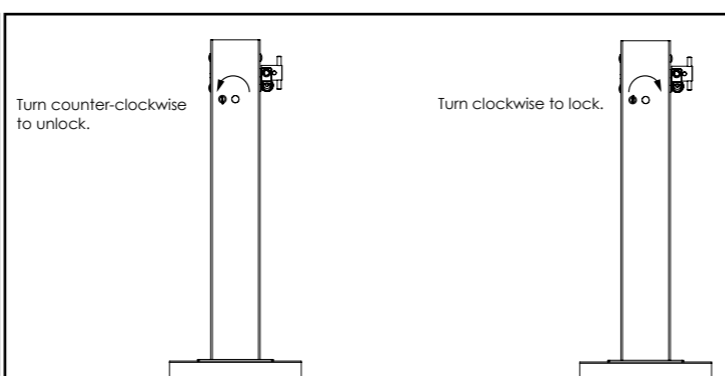
Testing and correcting the counter balance spring tension.

09. Start by testing the spring tension counter balancing. The springs are factory preset to balance a standard 4m boom pole with the standard bump strips installed.

Follow the diagram instructions adjacent to check the spring tension counter balancing.



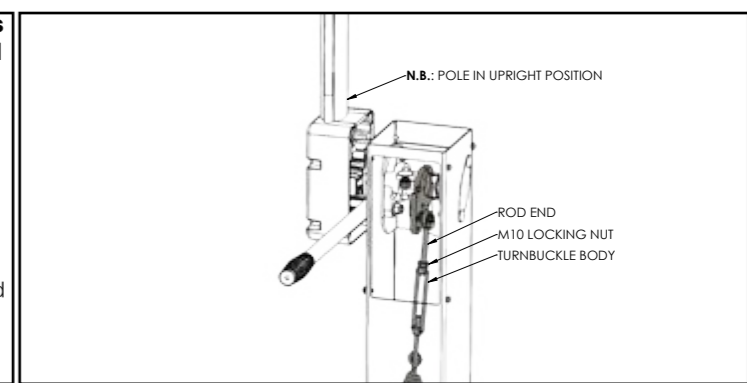
10. If the spring tension need to be adjusted begin by raising the boom to the full upright position and then locking it in position using the keyed locking mechanism.



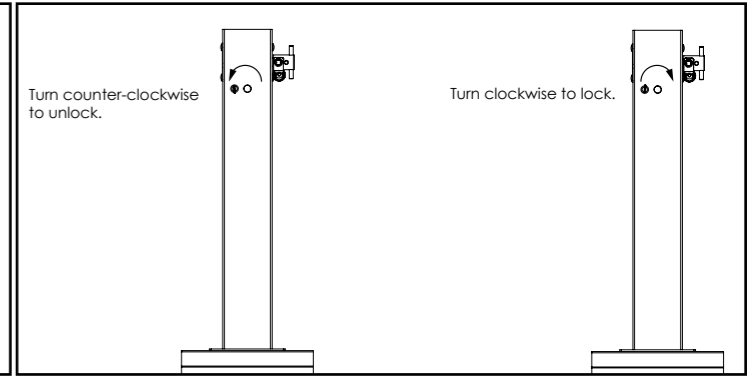
11. **NB! the spring is under tension and can cause serious harm if you do not take care when working with it and the components it is attached to!**

With the boom pole locked in the fully upright position, remove the access panel to gain access to the counter balance spring.

- If on testing the balancing, the boom pole lowered below 45 degrees, then add tension to the spring by pulling the rod ends closer together using the turnbuckle.
- If the pole raised above 45 degrees on testing, then release tension on the spring by extending the space between the rod ends, using the turnbuckle.
- When done, test the balancing again. Repeat if necessary.



10. When you are satisfied that the counter balance spring is adjusted correctly to balance the load of the boom pole, make sure the barrier is free to move by ensuring the keyed locking mechanism is "Unlocked"

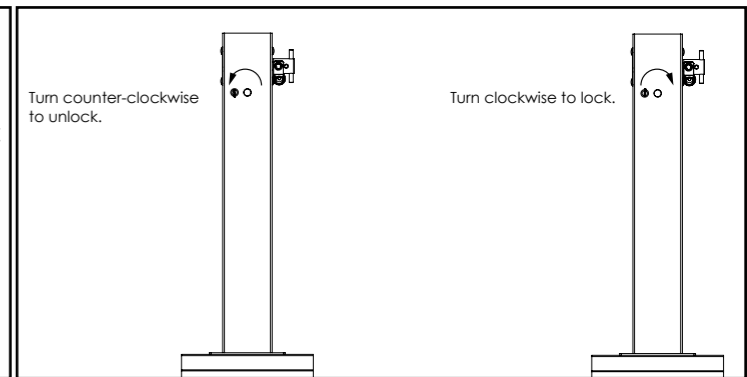


Testing the range of movement and adjusting the ends of travel stoppers.

10. **NB! When adjusting the end of travel stoppers. Always lock the barrier using the keyed locking mechanism.**

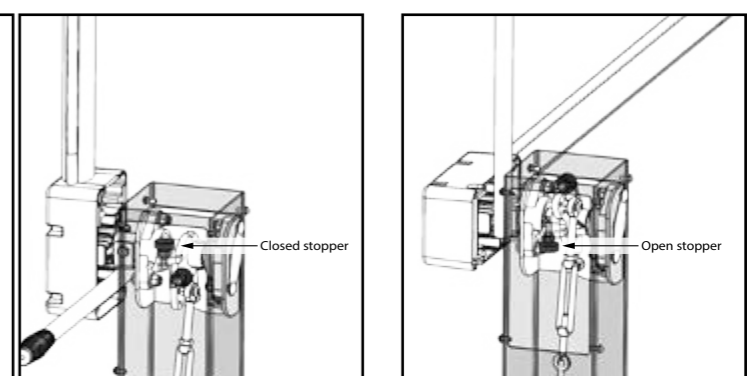
Lock the barrier in the opposite position to the stopper that needs adjustment.

For example if you are adjusting the closed stopper, the boom pole should be locked in the fully upright position.



12. The range of movement is preset ex-factory, but if you find it necessary to fine adjust the ends of travel positions, then extend or retract the length of the stopper bolt as needed.

NB! remember to lock the thread again, with the locking nut, when done.



WARRANTY:

1. All goods manufactured by ET Nice (Pty) Ltd carry a 12 month factory warranty from date of invoice.
2. All goods are warranted to be free of faulty components and manufacturing defects.
3. Faulty goods will be repaired or replaced at the sole discretion of ET Nice (Pty) Ltd free of charge. Within the warranty period.
4. This warranty is subject to the goods being returned to the premises of ET Nice (Pty) Ltd.
5. The carriage of goods is for the customer's account.
6. This warranty is only valid if the correct installation and application of goods, as laid out in the applicable documentation accompanying said goods, is adhered to.
7. All warranty claims must be accompanied by the original invoice.
8. All claims made by the end user must be directed to their respective service provider/installer.

The following conditions will disqualify this product from the warranty as laid out above. These conditions are non- negotiable.

1. Any unauthorized non-manufacturer modifications to the product or components thereof.
2. Any modification to the installation methods described in the installation instructions.
3. Any application or use of the product other than the intended use and application described in the product documentation.

The following conditions are not included in the warranty.

1. Damage resultant of wind and other climatic influences such as lightning strikes.
2. Damage due to infestation i.e. Ants nesting...
3. Water damage. It is the responsibility of the installer apply prior learning to ensure the product is installed in a location that is protected from water ingress based on the IP rating specified for the product.