

TAYHOPE

INSTALLATION INSTRUCTIONS FOR TUBULAR FRAME MULTI-LOCKS

SUPPLIED AS STANDARD WITH TUBULAR FRAME LOCKS:

- 1 Multi-Latch body with padlock pins & recessed backing plate
- 1 8mm Stainless chain with catch
- 1 Blanking bolts
- 2 M10 dome head, cup square bolts with 2 shear-nuts

Also required: Bolt croppers and a 17 mm spanner

FITTING:

Please read carefully, if unfamiliar with this product or variant, the following fitting and operation steps must be read before the final tightening down of nuts.

1. Close the gate/ barrier and engage drop-bolts if available. A position should be chosen for the lock that will allow trouble free operation of the catch and padlocks. Such locations could include the front, side or top of gates or posts.
2. Pass the 2 bolts through the rectangular hole in the front of the lock and into the respective holes inside the lock body rear plate. One bolt should now be in a longitudinal slot and the other should be in the square hole, the later bolt shall now be referred to as the “end bolt”. Push this whole assembly over the tubular frame at the final position for the lock and hold in position.
3. Place the small backing plate over the protruding ends of the bolts so that the single square hole corresponds to the end bolt and the recess in the plate faces away from the lock body. Place the nuts onto the bolts and after ensuring the bolts are hard against either side of the tubular frame, finger tighten the nuts.
4. Push the catch into the rectangular slot in the front of the lock body position and insert the 5 padlock pins into the longitudinal slot in the lock body. The catch should now be locked in position.
5. Pass the loose end of the chain around the other member that is to be locked (post, gate, etc.) and bring the chain around to the small backing plate (possibly best carried out inside the compound). Eventually the chain will be secured on the end bolt but first the chain should be measured to length. Allowing just enough slack so that the chain catch can be freely removed from the lock body, mark the link that is closest to end bolt. The chain should now be trimmed to length so that the marked link becomes the last link in the chain.
6. Remove the backing plate and pass the last link of the chain over the last bolt. Replace the backing plate, finger tighten the nuts as described in step 4. Ensure the lock operates properly (by trying all pins and removing the catch) and that the backing plate is parallel to the main lock body.
7. Torque down the shear-nuts, alternating between bolts often, until the heads shear off.

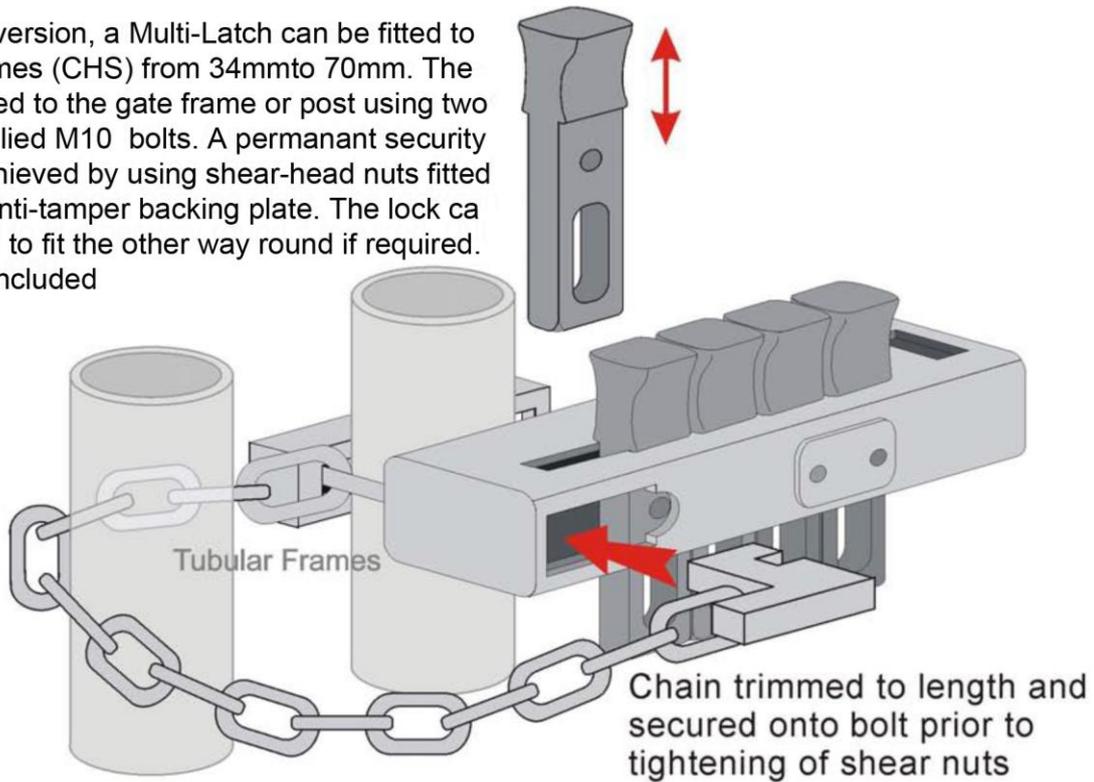
COMMISSIONING:

Drop all padlock pins into the top of the slot in the main body. All padlock pins should be easily removable. In the event that not all the pins are to be utilised with padlocks, then the “Pin Blanking” procedure should be adopted (see attached sheet).

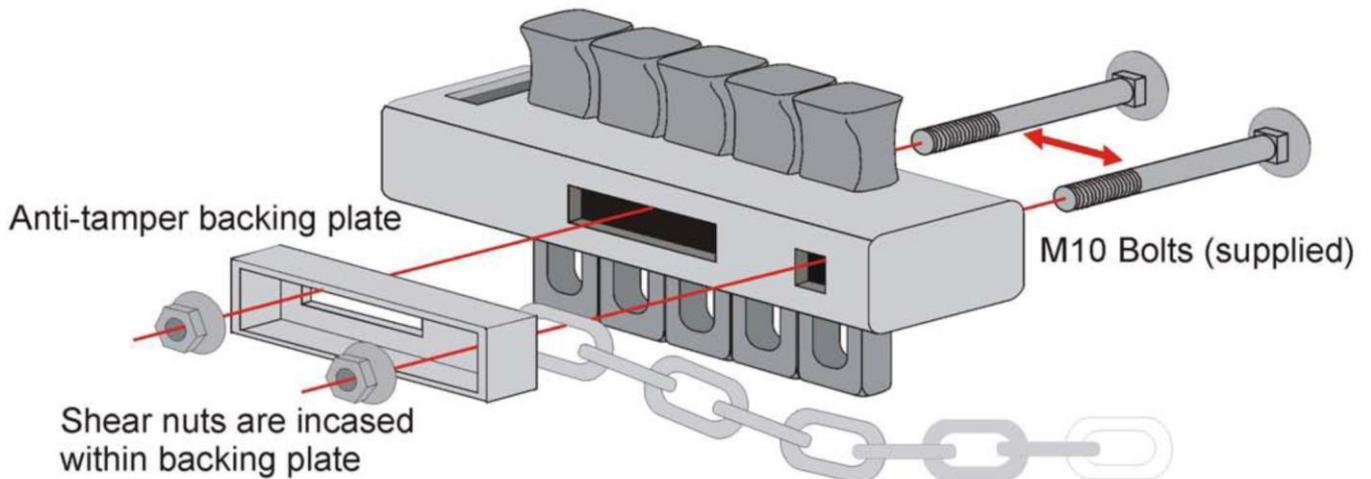
Tayhope Enterprises Ltd. advises that for a security application all shear nuts be additionally secured with tack-welding of the nut to the bolt thread. This should be followed by treatment of the exposed weld with a propriety galvanising repair preparation as detailed under BS: 1722 Pt 12 1990 and BS: 729.

Multi-Latch for Tubular Frames

Using this version, a Multi-Latch can be fitted to tubular frames (CHS) from 34mm to 70mm. The lock is bolted to the gate frame or post using two of the supplied M10 bolts. A permanent security fixing is achieved by using shear-head nuts fitted inside an anti-tamper backing plate. The lock can be inverted to fit the other way round if required. All fixings included



Exploded rear view of the Multi-Latch for tubular frames



M10 coach bolts are passed through the lock body so they straddle the tubular frame (30mm to 70mm). The last link of the chain-catch is then passed over one of the bolts and the anti-tamper backing plate is slid into place. Lastly, shear nuts are torqued down until the heads shear off, leaving tamper proof domes recessed into the backing plate (all fixings supplied).

*Very Important: new blank removal procedures included.
Please leave this document with site owner or operator*

NOTES ON GENERAL MULTI-LATCH USE:-

Once a padlock pin has been removed during the normal operation of the lock it must be placed in the short slot at the end of the body provided for this purpose.

The placement of the pin in this slot and the replacement of the padlock ensure that parts are not inadvertently misplaced.

MULTI-LATCH PIN BLANKING PROCEDURE:

Where all the padlock pins in the Multi-Latch are not to be used with padlocks, then the following procedure should be carried out on each "padlock-less" pin. This procedure is also suited to the temporary securing of sites, prior to the general commissioning of installed locks with the requisite number of padlocks.

TO BLANK ANY CHOSEN PIN:-

With the gate open, place the pin to be blanked into the long slot in the top of the main lock body and slide it along the slot to the end of the lock body with the hole in the front.

Pass one of the M8 Stainless Steel Allen bolts provided through the hole in the front of the lock body and screw into the small treaded hole punched into the padlock pin halfway down (this should be visible through the hole in the front of lock body).

The pin is now retained within the body of the lock. Repeat for as many pins as required, up to one less than the designated maximum users for each lock model. Please forward the provided allen key and these instructions to the site owner/maintainer.

TO UTILISE A PREVIOUSLY BLANKED PIN PLEASE SEE BELOW:

Remove a padlock and pin, place in retaining slot for safe-keeping. Remove the screws retaining the white plastic PIN BLANK COVER positioned on the front of the lock. With the PIN BLANK COVER removed a blanked padlock can be slid into place behind the newly exposed PIN BLANK REMOVAL HOLE. The pin blanks can now be removed from as many disabled pins as required using an Allen key. Following this procedure the PIN BLANK COVER should be replaced.

Alternatively, for the short-term addition of a padlock user, such as a temporary contractor, a Dual Multi-Latch can be used in conjunction with the site owners padlock pin on the existing Multi-Latch. This product allows two padlocks to be utilised in one padlock position.

Any technical enquiries regarding Multi-Latches should be referred to the manufacturers:

Tayhope Enterprises Ltd

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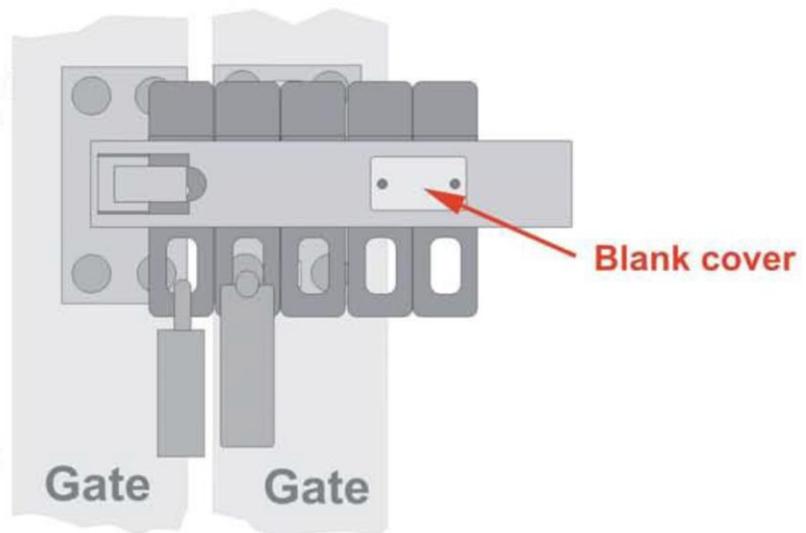
Please retain this document for future reference

How the new blank removal system works

Unused padlock positions are blanked out during installation by the insertion of a stainless steel blanking bolt into the pre-tapped hole in the padlock pin

The lock to the right has three padlock pins blanked.

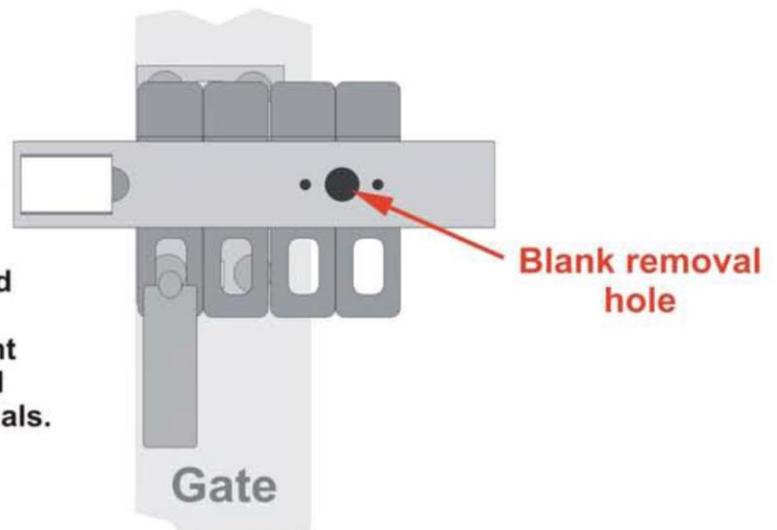
To remove the blank at a later date and add a new user the following procedure is adopted:



Firstly, the blank cover is removed.

By default this requires the removal of the stainless screws holding the cover in place

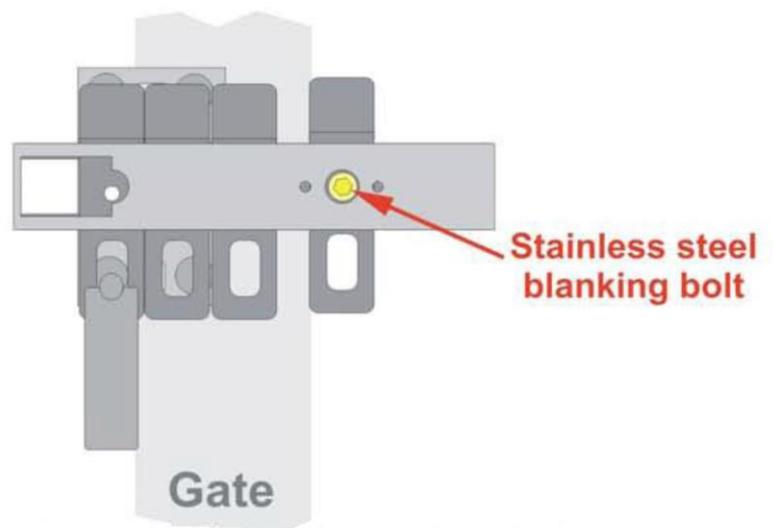
To continue any further, an authorised user must first have removed their padlock and pin. This last requirement is essential and excludes the removal of the blank by unauthorised individuals.



With a users padlock and pin removed the blanked padlock pins are free to slide laterally.

This allows one of the blanked pins to be aligned with the blank removal hole. The padlock pin blank can now be extracted using the supplied Allen-Key.

The cover should now be replaced using a pop-riveter.



Multi-Locks are supplied solely by: Tayhope Enterprises Ltd,
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