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**KIT M3tir handle
 PANIC EXIT DEVICE
 for emergency exits**

A208-GB
 5001301/2 - 02/19

Commercial codes
 KIT M3tir emergency handle for leaf thickness of 60mm item 4203201.021
 KIT M3tir emergency handle for leaf thickness of 50mm item 4203201.022
 KIT M3tir emergency handle for leaf thickness of 40mm item 4203201.023

DoP no. **179-M3tir-01**
 Website <https://www.ninz.it/download/dop>
 Classification **3 7 7 B 1 3 4 2 A D**






Name and address of the producer **NINZ S.p.A. - corso Trento 2/ A I-38061 ALA (TN) - ITALY**
 Year application trademark **2014**
 Standard **EN 179:2008**
 Certification authority no. **0425**
 CE certification number **0425-CPR-002149**

Classification no.
 1st Character - grade 3 - Category of use: high frequency
 2nd Character - grade 7 - Durability: 200.000 cycles
 3rd Character - grade 7 - Mass of the door: over 200kg
 4th Character - grade B - Suitable for use on fire/smoke rated doors
 5th Character - grade 1 - Safety: suitable for emergency exits
 6th Character - grade 3 - Highly resistant to corrosion 96h
 7th Character - grade 4 - Safety of goods: 3000N
 8th Character - grade 2 - Protrusion of the device: up to 100mm
 9th Character - grade A - Activation type: lever handle activation
 10th Character - grade D - Suitable for single or, with inactive leaf normally closed, double exit door, inwardly opening

Suitable for: single exit doors or for active (main) leaf of double exit doors provided that the inactive leaf remains normally closed and opened by lock with deadbolt (019) only; with dimensions of leaves up to 1350x2880mm, mass up to 300kg/leaf, mounted on hinges or pivots, with fire resistance up to EI₂120 - REI120 and smoke proof. Projection of the handle 67mm.

SYMBOLS EMPLOYED

-  **CAUTION**
 Indicates a danger that threatens people and/or material goods. Failure to observe the warnings indicated by this symbol may have serious consequences, such as personal injury and property damage.
-  **ATTENTION**
 Indicates a danger that threatens material goods. Failure to observe the warnings indicated by this symbol may result in damage to material goods.
-  **NOTICE**
 Warnings related to important technical aspects.

PRODUCT DESCRIPTION

Emergency devices for one-leaved doors or for the active leaf of two-leaved doors located at emergency exits and activated by lever handle. Composed of installation plates and double square spindle in galvanized steel, internal and external lever handle with steel core and cover plate in black plastic, panic safe lock to pull and nickel-plated brass cylinder with three keys.

This product does not contain or release any hazardous materials, as per UNI EN standard no. 179 appendix ZA.

OPERATION MODE

From the push side the door cannot be opened if the panic safe lock is closed by key whereas opening is possible from the pull side at any time by using the lever handle.

WARNINGS

The M3tir handle for emergency exit is intended for the installation on doors to be used by people that are accustomed to use the controls of the panic devices for escape routes. Therefore their use is suitable when a panic situation is very unlikely.

The safety features of this product are of fundamental importance to ensure its conformity with EN 179. It is strictly forbidden to introduce any type of modifications apart from those described in these installation instructions.

RECOMMENDATIONS

To ensure high level of human safety and appropriate safety levels for material goods, the handle for emergency exit must be installed on doors and doorframes that are in good conditions. The installation of the door itself, therefore, should be checked to ensure that it was installed properly and that nothing obstructs its normal movement.

If rebate sealing are mounted on the door, make sure they do not inhibit proper functioning of the emergency exit device.


The fastening instructions in the present document should be followed scrupulously during installation. Once installation is complete, the installer should give this document to the owner of the activity.

For securing the door in the closed position, do not employ any other latching devices than those specified in the present document. This does not preclude the installation of automatic closing devices.

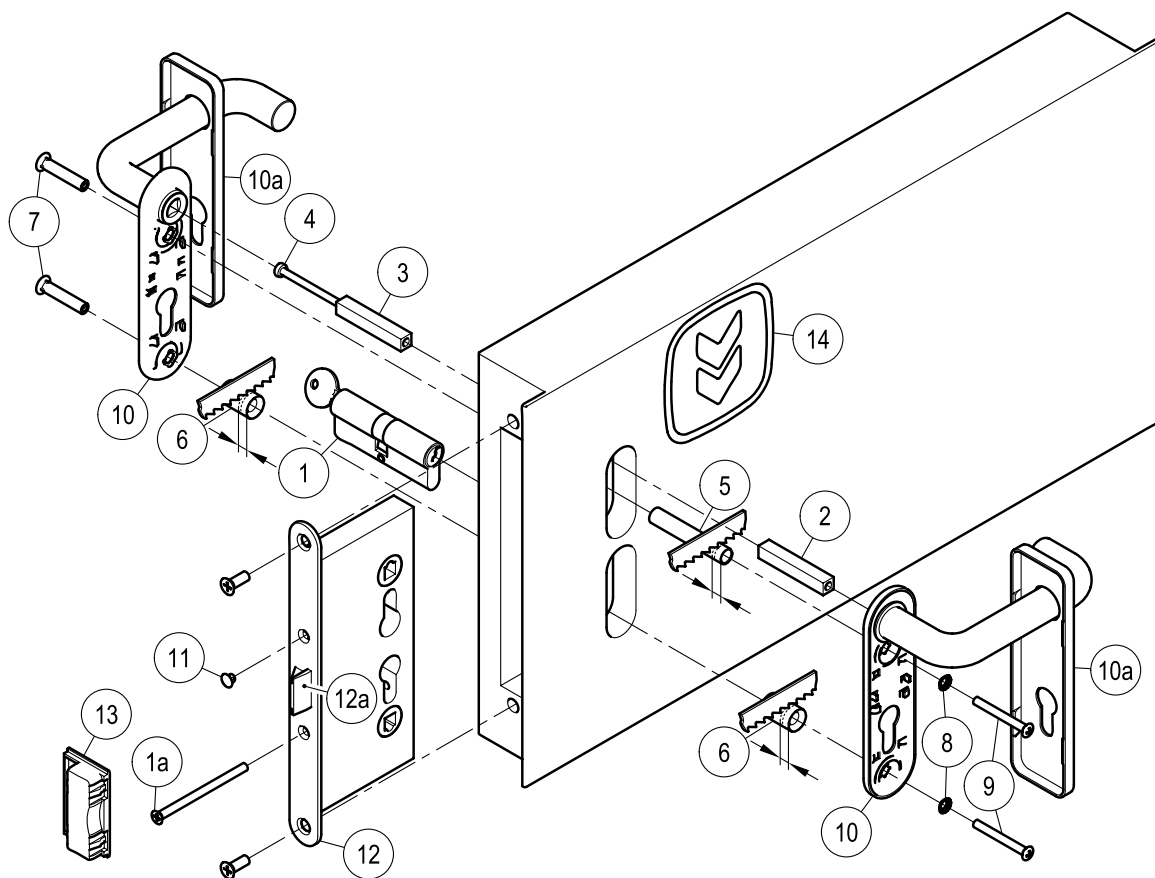
The M3tir emergency device is also designed for installation on hollow metal doors with an internal cell structure.

If a door closer is needed to return the door to the closed position, care should be taken not to make the opening step more difficult for children, the elderly and the disabled.

A pictogram (arrow) should be positioned immediately above the handle activation lever on the internal side of the door.


 **All of the included components described herein must be positioned and mounted in conformity with the present document.**

Any cylinder supplied by the customer must comply with DIN standard 18254.



CONTENTS OF THE M3tir KIT EMERGENCY HANDLE PACKAGE


position	pcs.	description	position	pcs.	description
1, 1a	01	Double nickel-plated cylinder with three keys and fastening screw	9	02	M5x45mm countersunk pan head screw
2, 3	01	Threaded square spindle 9x9x(55+55)mm	10	02	Handle with galvanized steel installation plate
4	01	M5 screw for threaded square spindle	10a	02	Black plastic cover plate
5	01	Spacer Ø10,3mm	11	01	Black cap hole Ø8,8mm
6	02	Spacer Ø15mm	12	01	Panic safe lock to pull (016 tir REV)
7	02	M5 threaded insert	13	01	Proget strike box lock
8	02	Countersunk toothed washer	14	01	Adhesive pictogram (green arrow)
			-	01	M3tir Kit handle set installation instructions

 Please note that article 4 of the MD of 03 November 2004 obliges the installer to write up, sign and provide the owner of the activity with a declaration of proper installation that makes explicit reference to the instructions supplied by the exit device manufacturer.



TOOLS REQUIRED

Medium-sized Philips-head screwdriver or electric screwdriver, fine-toothed hack-saw.


IMPORTANT

- Installation should be carried out by qualified personnel only and in strict conformity with the instructions supplied.
- For a correct installation all supplied components must be used, including spacers and toothed washers.
-  - No variations are allowed, and only components indicated in the package contents may be used.
- Before proceeding with installation, check the package contents to ensure that no pieces are missing.
- Any different installation configuration from that illustrated on page 2/4 is not allowed.

INSTALLATION



- First disassemble any handles components that are already present.
- Unscrew the two frontal screws and take away the existing lock.
- Install the new panic safe lock (12) and fasten it with the same two frontal screws.
- Insert the key, rotate the cam in vertical position and insert the cylinder (1) into lock (12). Use the screw (1a) to fasten it provisionally; then remove the key.
- Insert the square spindles (2 and 3) into lock, connecting and tightening with the screw (4). Verify that the latch bolt (12a) can be retreated independently from push side and from pull side.
- Adjust the plastic spacers (5 and 6) to the thickness of the leaf so that they do not protrude more than 1mm from it.
- Insert the two threaded inserts (7) in the installation plate of one lever of the handle (10), making sure it is well-centred.
- Insert the two spacers (5 and 6) over the threaded inserts and apply the handle on the push-side of the door, being careful to center the square spindle and the inserts over their respective holes.
- Apply the second lever of the handle (10) to the pull-side of the door after inserting the screws (9), toothed washers (8) and spacer (6). Center the square spindle, cylinder and screws, starting the screws by hand before fastening them with the screwdriver, avoiding any deformation of the installation plates.
- Use the handles from pull-side and push-side to ensure that the latch bolt (12a) of the panic safe lock opens easily and fully.
- Finish fastening the cylinder (1), insert the little cap hole (11) in the open hole of the panic safe lock (12).
-  - Use the M3tir handle to ensure that the latch bolt (12a) opens easily and fully; use the same method to check the opening of the latch bolt by using the key. Test the door in both open and closed positions, from both sides of the door. If necessary file down the plastic strike box (13), when the opening becomes difficult due to friction.
- Clip the cover plates (10a) manually onto the installation plates.
- Apply the pictogram (14) with the green arrow on the internal surface of the door, just above the M3tir emergency handle.
-  - Lastly, use a dynamometer to measure the force required on the lever of the handle to free the lock. Record this force measurement in the present document.



USE

- Ensure that the door always opens easily.
- Avoid unnecessary strains on or handling of the handle.
- Protect the handle from external atmospheric agents.
- Ensure that nothing hinders the free movement of the lever of handle.
- Do not paint the lock.
- Use the handle properly, do not pull them in the wrong direction.
- Do not leave the key in the lock.
-  - Make sure that any damaged or malfunctioning parts are replaced immediately.

MAINTENANCE

To ensure that door usage conforms with regulations, the following maintenance checks should be carried out at least once a month:

- Confirm that all of the installed components correspond with those listed in the present instructions and that no other latching devices than those originally installed have been added to the door.
- Inspect and activate the emergency handle to verify that all of its components are in satisfactory operational condition.
- Use a dynamometer to confirm that the release force shows no significant differences from the forces recorded at the time of installation.
-  - Check whether all screws are fully tightened, tightening any that may have loosened.
- Check whether handle and key can be moved with minimal effort, and that the latch bolt of the safe lock retreats from the strike box without offering resistance. If the door has become difficult to open due to friction, the resistance can be reduced by filing the strike box down to the appropriate height.
- Ensure that the latch bolt exits completely when the handle is released.
-  - Check whether the inserts and strike boxes are blocked in any way and eliminate any obstructions.
- This product don't requires any special maintenance. Grease should be used to lubricate periodically the internal workings of lock and handle (do not use the spray for the MAC locks).
- For normal cleaning use mild detergents.

-  - Any adjustments that become necessary must be carried out by qualified personnel using original NINZ replacement parts.
-  - The owner of the activity is responsible for keeping the declaration of correct installation on file, conducting proper emergency device maintenance in accordance with all of the manufacturer's maintenance guidelines, keeping maintenance and check-up records and preserving the present document.

