



NINZ S.p.A. - corso Trento, 2/A
I-38061 ALA (TN) / ITALY www.ninz.it
Tel. + 39 0 464 678300
Fax. +39 0 464 679025 info@ninz.it

M3X handle
PANIC EXIT DEVICE
for emergency exits

A141-GB
5001238/2 - 06/20

Commercial codes
M3X emergency handle art. 4203101.002

DoP no. **179-M3-01**

Website <https://www.ninz.it/it/download/dop>

Classification **3 7 7 B 1 4 4 2 A A**



Name and address of the producer
NINZ S.p.A. - corso Trento 2/A
I-38061 ALA (TN) - ITALIA

Classification no.

Year application trademark 2010

- 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 4 - Corrosion resistance: 240 hours (extra high)
- 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 A - Suitable for 1 or 2 leaved door

Standard EN 179:2008

Certification authority no. 0425

Suitable for one-leaved doors or for the active (main) leaf of two-leaved doors, with dimensions up to 1350x2880mm/leaf, mass up to 300kg/leaf, mounted on hinges or pivots, with fire resistance up to EI²120 - REI120 and smoke proof. Projection of the handle 65mm.

CE certification number 0425-CPR-002147

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.

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 panic exit device.

- In case of two-leaved door where both leaves are equipped with emergency devices or in combination with a panic bar, it is mandatory to check that each leaf opens when its respective device is activated and that leaves open freely when the devices are activated simultaneously.

PRODUCT DESCRIPTION

Emergency device 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 threaded square spindle in galvanized steel, internal and external lever handle with cover plate in satinated stainless steel, panic safe lock and nickel-plated brass cylinder with three keys.

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.

This product does not contain or release any hazardous materials, as per UNI EN standard nr. 179 appendix ZA.

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.

OPERATION MODE

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

The M3X emergency device is also designed for installation on hollow metal doors with an internal cell structure.

WARNINGS

The M3X handle for emergency exit is intended for the installation on doors to 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.

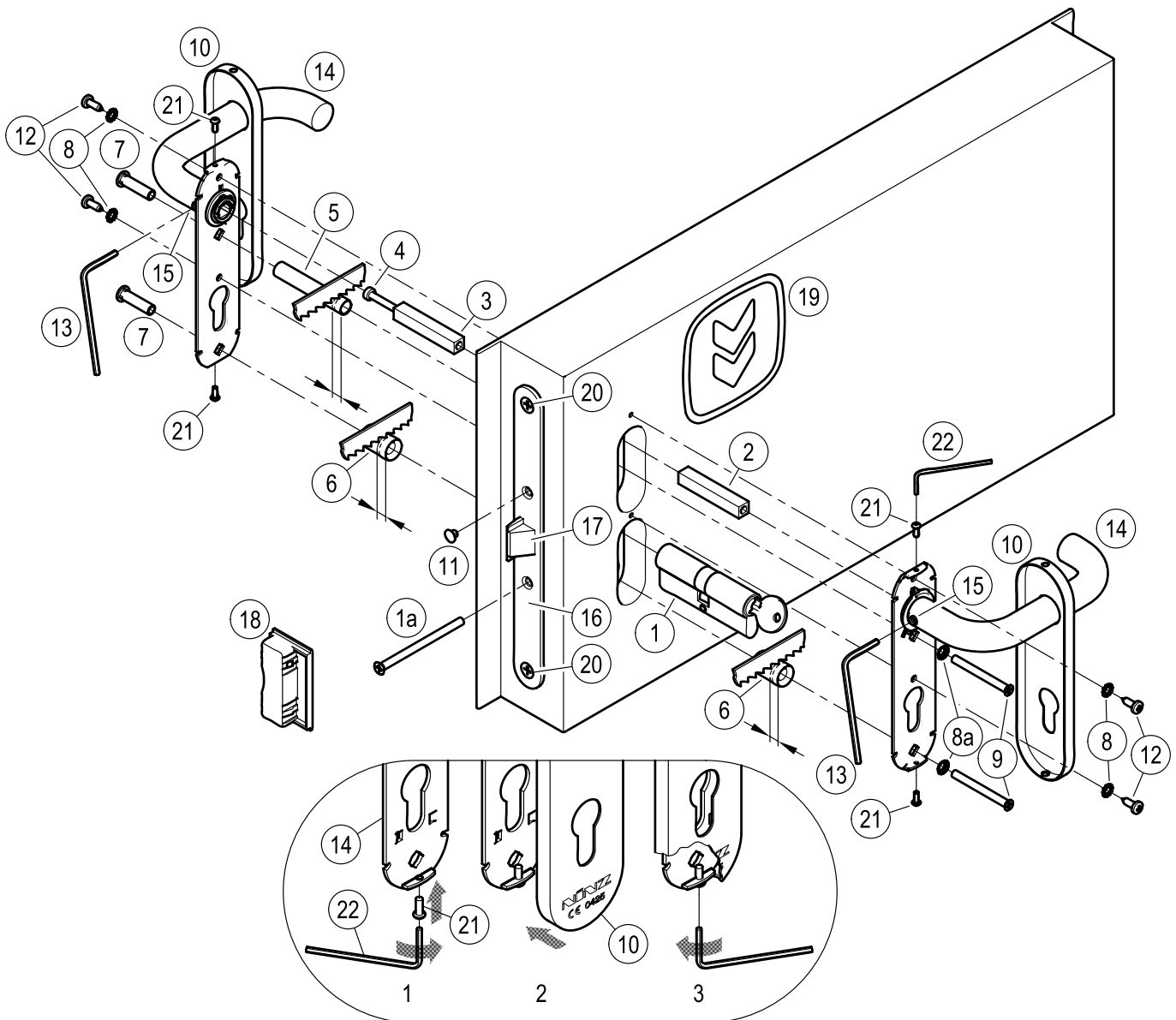
If a door closer is needed to return the door to the closed position, care should be taken not to make the opening step more difficult for children, the elderly and the disabled.

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.

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 M3X PANIC DEVICE PACKAGE

position	pcs.	description
1, 1a	01	Double nickel-plated cylinder with three keys and fastening screw
2, 3	01	Threaded square spindle 9x9x(55+55)mm
4	01	M5 screw for threaded square spindle
5	01	Spacer Ø10,3mm
6	02	Spacer Ø15mm
7	02	M5 threaded insert
8	04	Toothed washer
8a	02	Countersunk toothed washer
9	02	M5x50mm countersunk flat head screw
10	02	Stainless steel cover plate

position	pcs.	description
11	01	Black cap hole Ø8,8mm
12	04	Pan head self tapping screw Ø4,2x13mm
13	01	S3 hex key
14, 15	02	Stainless steel handle with galvanized steel installation plate and fastening socket set screw
16	01 *	Panic safe lock to push (AP 16/18)
18	01 *	Proget strike box lock
19	01	Adhesive pictogram (green arrow)
21	04	M3x8mm pan head screw
22	01	S2 hex key
-	01	M3X 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.

* If supplied together with the door, the panic safe lock (16) and related strike box (18) are already installed on the door!

TOOLS REQUIRED

Medium-sized Philips-head screwdriver or electric screwdriver, electric drill with Ø2mm and Ø3mm drill bit for steel, 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 pag. 2/4 is not allowed.

REQUIRED ADAPTATIONS FOR THE SUPPLY IN KIT


- First disassemble any handles components that are already present.
- Unscrew the two frontal screws (20) and take away the existing lock (16).
- Install the new panic safe lock (16) and fasten it with the same two frontal screws (20).

INSTALLATION


- Insert the key, bring the cam in the right position and insert the cylinder (1) in the panic safe lock (16). Use the screw (1a) to fasten it provisionally; then remove the key.
- Insert the square spindles (2 and 3) into the lock, connect them with the respective screw (4) and tighten the screw. Verify that the latch bolt (17) 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.
- Screw onto installation plates of handles (14) the screws (21), just enough to insert the cover plates (10) (drw.1).
- Insert the two threaded inserts (7) in the installation plate of one lever handle (14), making sure it is well-centred.
- Insert the two spacers (5 and 6) over the threaded inserts (7) and apply the lever handle (14) on the pull-side of the door, being careful to center the square spindle and the inserts over their respective holes.
- Apply the second handle to the push-side of the door after inserting the screws (9), toothed washers (8a) 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 (17) of the panic safe lock opens easily and fully.
- Finish fastening of the cylinder (1), insert the little cap hole (11) in the open hole of the panic safe lock (16).

-  - Use the M3X handle to ensure that the latch bolt 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 (18), when the opening becomes difficult due to friction.

- Fasten the installation plates of lever handles (14) using the Ø4,2x13mm self-tapping screws (12) and their toothed washers (8) after drilling holes in the metal panel with the Ø2mm drill bit. Insert the covers (10) onto the handles (drw. 2). Using the S2 hex key (22) to unscrew the screws (21) until the covers become fixed, avoiding any deformations (drw. 3). Insert and fasten the socket set screws (15) well with the S3 hex key (13).
- Apply the pictogram (19) with the green arrow on the internal surface of the door, just above the handle.

-  - Lastly, use a dynamometer to measure the force required on the lever of the handle to free the passive leaf from the latch bolt of the lock, from the upper bolt-device and from the lower rod. 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 obstructs free movement of the 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 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 doesn't require 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 a cleaning agent designed specifically for stainless steel.

-  - **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.**

