DECLARATION OF PERFORMANCE
Nr. A208-GB

CE

1) Identification code: **EMERGENCY EXIT DEVICE model M3 TIR**

2) Identification number:

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

3) Intended product use: Emergency exit device for escape routes suitable for one-leaved doors or for the active 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 EI_2120 - REI120 and smoke proof. Projection of the handle 67mm.

4) Manufacturer: NINZ S.p.A. - corso Trento 2/A
I-38061 ALA (TN) www.ninz.it
tel. +39 0464 678300 - fax +39 0464 679025

5) Auth. representative: -

6) Assessment perf. sys.: system 1

7) Harmonized standard: EN 179:2008

8) Notified body: ICIM S.p.A. N.B. nr. 0425 have issued the certificate of conformity for the factory production control nr. 0425 - CPR - 2149.

9) Declared performances:

Essential characteristics	Performance-grade	Paragraph EN 179
Category of use	3 - high frequency	7.1
Durability	7 - 200.000 cycles	7.2
Door mass	7 - over 200kg	7.3
Suitability for use on fire/smoke doors	B - suitable	7.4
Safety toward people	1 - for emergency exits	7.5
Corrosion resistance	3 - 96 h (high resist.)	7.6
Security toward goods	4 - 3000N	7.7
Projection of operating element	2 - up to 100mm	7.8
Type of operation	A - lever handle	7.9
Field of door application	D - 1 leaved door * pull	7.10
Dangerous substances	conform	ZA

* or for active leaf of double exit doors provided that the inactive leaf remains normally closed.

10) Emergency devices listed in point 1 and 2 are conform to the performances declared in point 9. This declaration of performance is issued under the exclusive responsibility of the manufacturer listed in point 4.

Signed in the name and on behalf of the manufacturer:

Ninz Karl
legal representative of the NINZ S.p.A.

INSTALLATION, USE AND MAINTENANCE HANDBOOK

A208-GB
5001301/2 - 01/15

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.

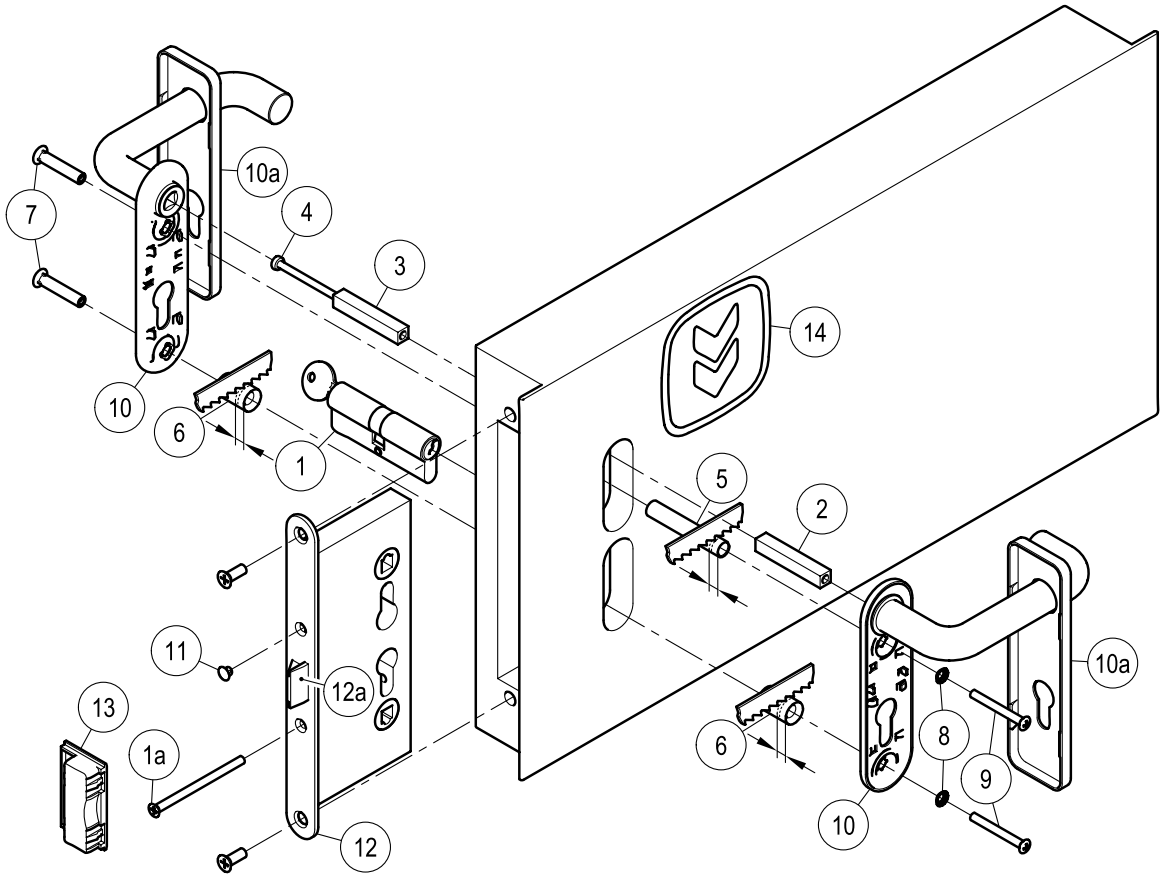
NOTICE
Warnings related to important technical aspects.

PRODUCT DESCRIPTION
Emergency 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 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.

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 M3 TIR 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.
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 M3 TIR 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
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	02	Countersunk toothed washer
9	02	M5x45mm countersunk pan head screw
10	02	Handle with galvanized steel installation plate
10a	02	Black plastic cover plate
11	01	Black cap hole Ø8,8mm
12	01	Panic safe lock to pull (016 tir REV)
13	01	Proget strike box lock
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.

ICIM

Certificato di costanza delle prestazioni

Certificate of constancy of performance

ALLEGATO AL / *ANNEX TO*

Certificato N. / *Certificate No.* **0425 – CPR – 2149**

In conformità al Regolamento 305/2011/EU del Parlamento Europeo e del Consiglio del 9 marzo 2011 (Regolamento Prodotti da Costruzione o CPR), questo certificato si applica al prodotto da costruzione
In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Certification or CPR), this certificate applies to the construction product

MODELLI / *MODELS*	**Modelli / *Models* HOT-CIL, HOT-CIL-X** **Serratura anta attiva / *Active leaf lock* art. 3201001.011 (AP sp ti),** **Contropiastre / *striking plates* . 2401006, 2401005, 2401015, 2401014,** **Maniglie / *Handles* art. 3101001.012 (M2), 3101017.002 (M2X)**
CLASSIFICAZIONE / *CLASSIFICATION*	3 7 7 B 1 4 4 2 A D
MODELLI / *MODELS*	**Modelli / *Models* M3 TIR, M3X TIR** **Serratura anta attiva / *Active leaf lock* art. 3201001.051 (016 tir REV), 3201001.049 (MAC3 sx), 3201001.050 (MAC3 dx).** **Contropiastre / *striking plates* . 2401006, 2401005, 2401015, 2401014, 3201001.023, 3201001.007** **Maniglie / *Handles* art. 3101001.009 (M3), 3101017.003 (M3X)**
CLASSIFICAZIONE / *CLASSIFICATION*	3 7 7 B 1 3 4 2 A D
SISTEMA DI VALUTAZIONE E VERIFICA DELLA COSTANZA DELLA PRESTAZIONE / *SYSTEM OF ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE*	1

ICIM S.p.A.

EMISSIONE / ISSUE
05/06/2014

ICIM S.p.A. a socio unico - Piazza Don Enrico Mapelli, 75 - 20099 Sesto San Giovanni (MI)

Annex Page 1/5

Certified components for M3tir Kit

Emergency exit devices models: "M3 TIR"
Panic safe locks: item 3201001.051 (016 tir REV),
3201001.049 (MAC3 sx),
3201001.050 (MAC3 dx)
Lock strike boxes: items 2401006, 2101005, 2401015, 2401014
Operating elements: item 3101001.009 (M3)

SPARE PARTS (see exploded drawing at page 2/4)

position	code	description
2, 3, 4, 5, 6, 7, 8, 9, 10, 10a, 11	3101001.009	Set dual-lever handle (M3tir)
		Standard nickel-plated double cylinder
1, 1a	4202101.001	40/40 for Proget and Univer thk60
1, 1a	4202101.002	35/35 for Univer thk50
1, 1a	4202101.003	30/30 for Rever
12	3201001.051	Panic safe lock to pull (016 tir REV)
13	4212024.001	Set of 10 Proget strike box lock
13	4212025.001	Set of 10 Univer thk60 strike box lock
13	4212026.001	Set of 10 Univer thk50 strike box lock
13	4212027.001	Set of 10 Rever strike box lock

FOR REPLACEMENTS USE ORIGINAL NINZ REPLACEMENT PARTS FROM ITS FULL CERTIFIED SYSTEM ONLY!

PROPER DISASSEMBLY

When some parts or all of the emergency device needs to be replaced, the general guideline is to reverse the order of the original installation instructions. To replace the lock, all parts of the emergency handle in the lock zone must be disassembled, including the cylinder. The lock itself (12) can be removed by unscrewing the two frontal screws.

This operation should be carried out with great care in order not to damage or move the components located inside lock housing!

MAINTENANCE RECORD

date	description of the intervention	release force checked	operator
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....

These instructions should be given to the owner of the activity, who shall preserve them as a record of the maintenance operations carried out on the emergency exit device.