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EXUS LA BM
PANIC EXIT DEVICE
for emergency exits

A068-GB

5001165/2 - 12/14



Denomination **EXUS LA PANIC EXIT DEVICE**

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

Year application trademark 2007

Standard EN 1125:2008

Certification authority nr. 0425

CE certification number 0425 CPD 1228

Classification 3 7 7 B 1 3 2 1 AA

Commercial codes
 EXUS LA BM
 EXUS LA DC BM




item 4201101.017
 item 4201101.023

Classification nr.

- 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 2 - Safety of goods: 1000N
- 8th Character - grade 1 - Protrusion of the exit bar: up to 150mm
- 9th Character - grade A - Activation type: push bar
- 10th Character - grade A - Suitable for 1 or 2 leaved door

Suitable for doors with one leaf or for the active leaf (primary) of two-leaved doors up to 1350x2880mm/leaf in size, a mass of up to 300kg/leaf, mounted on hinges or pivots, fire resistant up to EI²120 – REI120 and smoke proof. Protrusion of the exit bar: 125mm.

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

Panic bar for one-leaved doors or for the active leaf of two-leaved doors located at emergency exits and activated by push-bars. Composed of galvanized steel controls, chrome-plated polished aluminium casing and lever, horizontal aluminium bar, stainless steel external lever handle with galvanized steel installation plate and nickel-plated brass cylinder with three keys. This product does not contain or release any hazardous materials, as per UNI EN standard nr. 1125 appendix ZA.

OPERATION MODE

While locked by key, the door cannot be opened from the pull side (handle side), while it can always be opened from the push side by using the horizontal bar of the EXUS LA BM panic exit device.


WARNINGS

The EXUS panic bar activated by means of a horizontal bar is intended for use onto doors installed in escape routes where panic situations could develop. The safety features of this product are of fundamental importance to ensure its conformity with EN 1125. It is strictly forbidden to introduce any type of modifications apart from those described in these installation instructions.

RECOMMENDATIONS

In order to ensure that the panic bar could provide a high level of safety toward people and appropriate safety level toward goods, it should only be mounted onto doors and doorframes that are in good conditions. The door itself, therefore, should be checked to ensure that it was installed properly and that nothing obstructs its normal movement.

If door rebate sealing have been mounted on the door, make sure they do not inhibit proper functioning of the panic bar.

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

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.

The horizontal bar should be installed in a way that maximizes its useable length.


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.

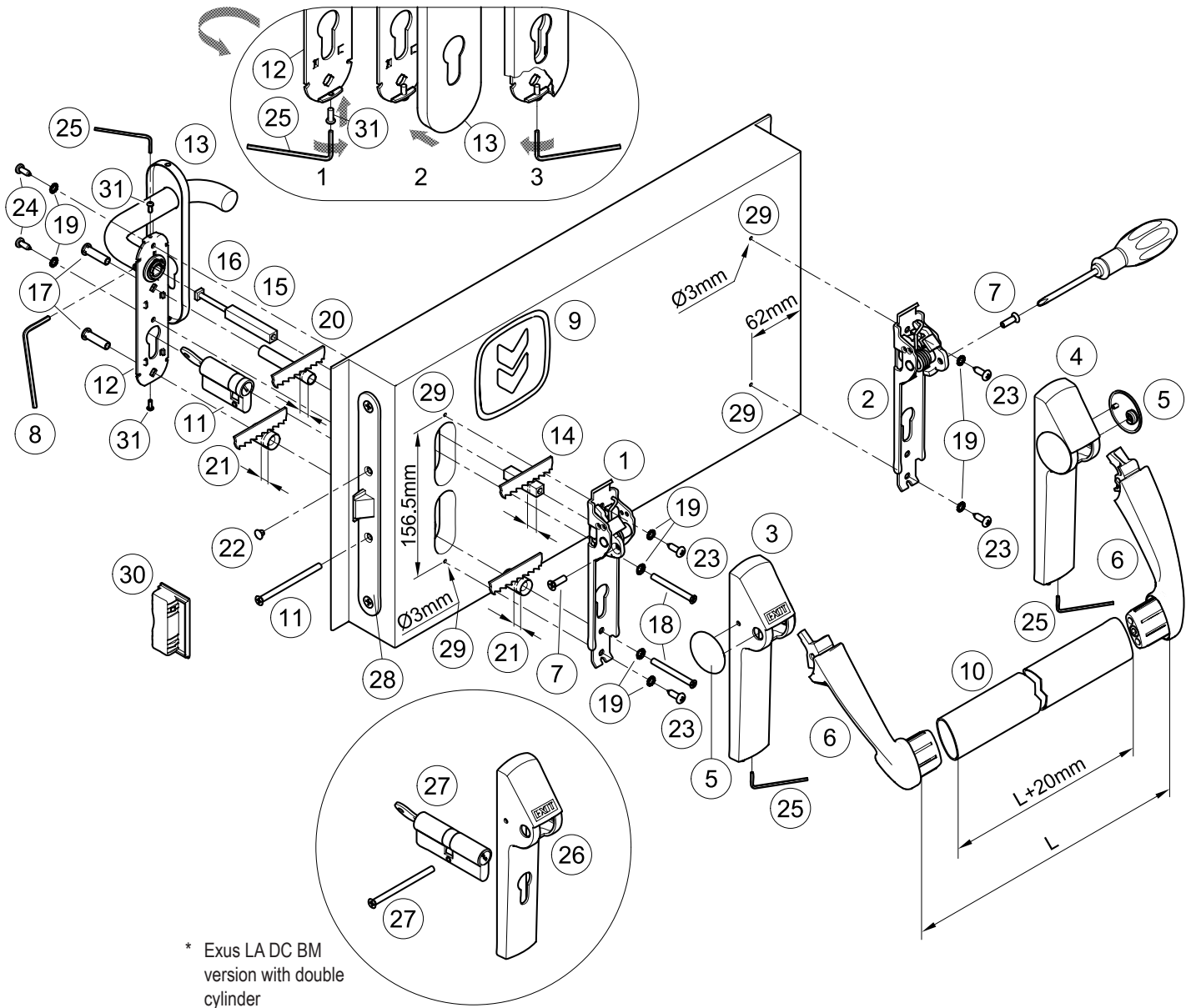
Different external access devices than those found on the list of certified components on pages 4/4 are considered unacceptable.

The EXUS panic bar 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 horizontal bar 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.



CONTENTS OF THE EXUS LA BM PANIC BAR PACKAGE

position	pcs.	description	position	pcs.	description
1, 2	01	Twist/Exus mechanism assembly	19	08	Toothed washer
3, 4, 5	01	Exus LA carter set with plugs	20	01	Ø10,3x60,6mm spacer
6	01	Exus LA set carrier arms	21	02	Ø15,0x23,5mm spacer
7	02	M5x16mm Phillips countersunk head screw	22	01	Black cap hole Ø8,8mm
8	01	S3 hex key	23	04	Pan head self tapping screw Ø4,8x16mm
9	01	Adhesive pictogram (green arrow)	24	02	Pan head self tapping screw Ø4,2x13mm
10	01	Horizontal bar in anodized aluminium	25	01	S2 hex key
11	01	Standard nickel-plated half cylinder with three keys and fastening screw	26 *	01	Exus LA DC carter set
12	01	Stainless steel handle with galvanized steel installation plate and fastening socket set screw	27 *	01	Double nickel-plated cylinder with three keys and fastening screw
13	01	Stainless steel cover plate	31	02	M3x8mm pan head screw
14, 15	01	Square spindle 9x9x(55+40)mm	-	01	A034 hole-drilling template
16	01	M5 screw for threaded square spindle	-	01	Exus LA BM panic bar set installation instruction
17	02	M5 threaded insert			
18	02	M5 countersunk pan head screw			


- The panic lock (28) and the respective strike box (counterstrike) (30) are delivered already mounted on the door!

TOOLS REQUIRED

Medium-sized Phillips-head screwdriver or electric screwdriver, electric drill with Ø2 and Ø3mm drill bit for steel, fine-toothed hack-saw and hack-saw for aluminium.


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.


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.
- Given its purpose, the Exus LA BM panic bar should be mounted on the push-side of the door.
- Before proceeding with installation, check the package contents to ensure that no pieces are missing, keeping in mind that only the Exus LA DC BM panic bar includes a double cylinder.
- Check if the door is equipped with the panic safe lock.
- Check the type of lever handle to apply and follow the specific instructions.
- Any different installation configuration from that illustrated on pag. 2/4 is not allowed.

INSTALLATION


- Insert the cylinder (11 or 27) and fasten it temporarily with the screw (11 or 27), then remove the key.
- Adjust the plastic spacers (20 and 21) to the thickness of the leaf so that they do not protrude from its surface.
- Adjust the threaded square spindle (14) to the thickness of the leaf so that it protrudes 11±1mm from the door surface; be careful to cut the bevelled side.
- Insert the square spindles (14 and 15) into the lock for connecting them by tightening the respective screw (16).
- Screw onto installation plate of handle (12) the screws (31), just enough to insert the cover plate (13).
- Insert the two threaded inserts (17) in the installation plate of the handle (12), making sure it is well-centred.
- Insert the two spacers (20 and 21) over the threaded inserts and apply the handle on the pull-side of the door, being careful to center the square spindle and the inserts over their respective holes.
- Apply the operating mechanism (1) to the lock side (push-side of the door) after inserting the screws (18), toothed washers (19) and spacer (21). Center the square spindle, screws and cylinder (the latter for the Exus LA DC version only), starting the screws by hand before fastening them with the screwdriver.
- Use the template to drill the holes (29) with the Ø3mm drill bit, checking the level. If holes are already present, drill them again for the internal reinforcement.
- Fasten the mechanism (1) even more securely with the self-tapping screws Ø4,8x16mm (23) and their toothed washers (19).
- Fasten the mechanism (2) of the panic bar at hinged side, using the self-tapping screws Ø4,8x16mm (23) and their toothed washers (19).
- Remove the externally-facing plugs (5) from both carter (3 or 26 and 4). To do this, insert a finger inside the carter and push the plug out, being careful not to remove the plastic insert. Apply the carter with "EXIT" wording (3 or 26) on the operating mechanism (1) and the other one (4) on the mechanism from hinged side (2). Do not fasten the socked set screws, so as to let the two carter movable.
- Apply the carrier arms (6) and fasten them with the dedicated screws (7), tightening them securely using a Phillips-head screwdriver.
- Make a precise "L" measurement, cut the aluminium bar (10) adding 20mm, and remove the burrs from the cut edge. Remove one carrier arm, attach the bar and re-fasten the entire assembly.
- Finish fastening of the two carter (3 or 26 and 4), screw on without overtighten the socked set screw, using the S2 hex key (25), then apply the plugs (5).
- Finish fastening the cylinder (11 or 27), insert the little cap hole (22) in the open hole of the panic safe lock (28).

-  - Push the Exus LA BM panic bar at any point along the horizontal bar, checking to ensure that the latch bolt of the central safe lock opens easily and fully. Use the same method to check the external handle and also the key. Test the door in both open and closed positions and if necessary, file down the plastic strike box (30) of one-leaved doors, or the panic safe lock for inactive leaf of two-leaved doors. In case of Proget door with three-point locking mechanism, the latch bolts of lock-levers and/or their strike box have to be considered too.

- Fasten the installation plate of handle (12) using the Ø4,2x13mm self-tapping screws (24) and their toothed washers (19) after drilling holes in the metal panel with the Ø2mm drill bit. Insert the cover (13) onto the handle (drw. 2). Using the S2 hex key (25) to unscrew the screws (31) until the cover become fixed, avoiding any deformations (drw. 3). Insert and fasten the socket set screw well with the S3 hex key (8).
- Apply the pictogram (9) with the green arrow on the internal surface of the door, just above the horizontal bar.
-  - Lastly, use a dynamometer to measure the force required on the horizontal bar to release the lock. Record this force measurement in the present document.



USE



- Ensure that the door always opens easily.
- Avoid unnecessary strains on or handling onto handle and exit bar.
- Protect the panic bar from external atmospheric agents.
- Avoid anything that could hamper the free movement of the bar.
- Do not paint the lock and any lock-lever.
- Use the bar properly, do not pull it 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 panic bar 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 panic bar, handle and key can be moved with minimal effort, and that the latch bolt of the central 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. In case of Proget door with three-point locking mechanism, the latch bolts of lock-levers and/or their strike box have to be considered too.
- Activate the Exus LA BM panic bar at both ends of the horizontal bar, checking to ensure full retraction of the latch bolt of the central safe lock and of any lock-levers in both cases.
- Ensure that the latch bolt of the central safe lock and of any lock-levers exits completely when the horizontal bar is released.
- Check the horizontal bar and replace it if any damage or deformities are detected.
-  - Check whether the inserts and strike boxes are blocked in any way and eliminate any obstructions.
- This product requires no special maintenance. Grease spray should be used to lubricate the internal workings of lock, lock-levers (for Proget door with three-point lock mechanism only), handle and panic bar on a regular basis – the latter has a hole on its carter for this purpose, located below the carrier arms.
- For normal cleaning use a cleaning agent designed specifically for chrome-polished surfaces for the horizontal bar and another one designed specifically for stainless steel for the handle.

-  - 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 panic bar maintenance in accordance with all of the manufacturer's maintenance guidelines, keeping maintenance and check-up records and preserving the present document.

