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**EXUS LX BSP**  
**PANIC EXIT DEVICE**  
**for emergency exits**

**A078-GB**

5001175/2 - 07/17

Commercial codes  
 EXUS LX BSP item 4201101.030  
 EXUS LX DC BSP item 4201101.036

DoP no. **1125-TW-EX-01**  
 Website <https://www.ninz.it/it/download/dop>  
 Classification **3 7 7 B 1 3 2 1 A A**

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

Classification nr.  
 1<sup>st</sup> Character - grade 3 - Category of use: high frequency  
 2<sup>nd</sup> Character - grade 7 - Durability: 200.000 cycles  
 3<sup>rd</sup> Character - grade 7 - Mass of the door: over 200kg  
 4<sup>th</sup> Character - grade B - Suitable for use on fire/smoke rated doors  
 5<sup>th</sup> Character - grade 1 - Safety: suitable for emergency exits  
 6<sup>th</sup> Character - grade 3 - Highly resistant to corrosion 96h  
 7<sup>th</sup> Character - grade 2 - Safety of goods: 1000N  
 8<sup>th</sup> Character - grade 1 - Protrusion of the exit bar: up to 150mm  
 9<sup>th</sup> Character - grade A - Activation type: push bar  
 10<sup>th</sup> Character - grade A - Suitable for 1 or 2 leaved door



Year application trademark 2007  
 Standard EN 1125:2008 + EC1:2009

Certification authority no. 0425

CE certification no. 0425-CPR-001228

Suitable for doors with one leaf or for the active (first opening) leaf 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 EI<sub>2</sub>120 - 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 stainless steel controls, casing, lever, horizontal bar, fixed external doorknob with cover and 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**

From the pull side (fixed doorknob side), the door can only be opened by key, which retracts the latch bolt, whereas opening is possible from the push side at any time by pushing on the horizontal bar of the EXUS LX BSP panic bar.

**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.

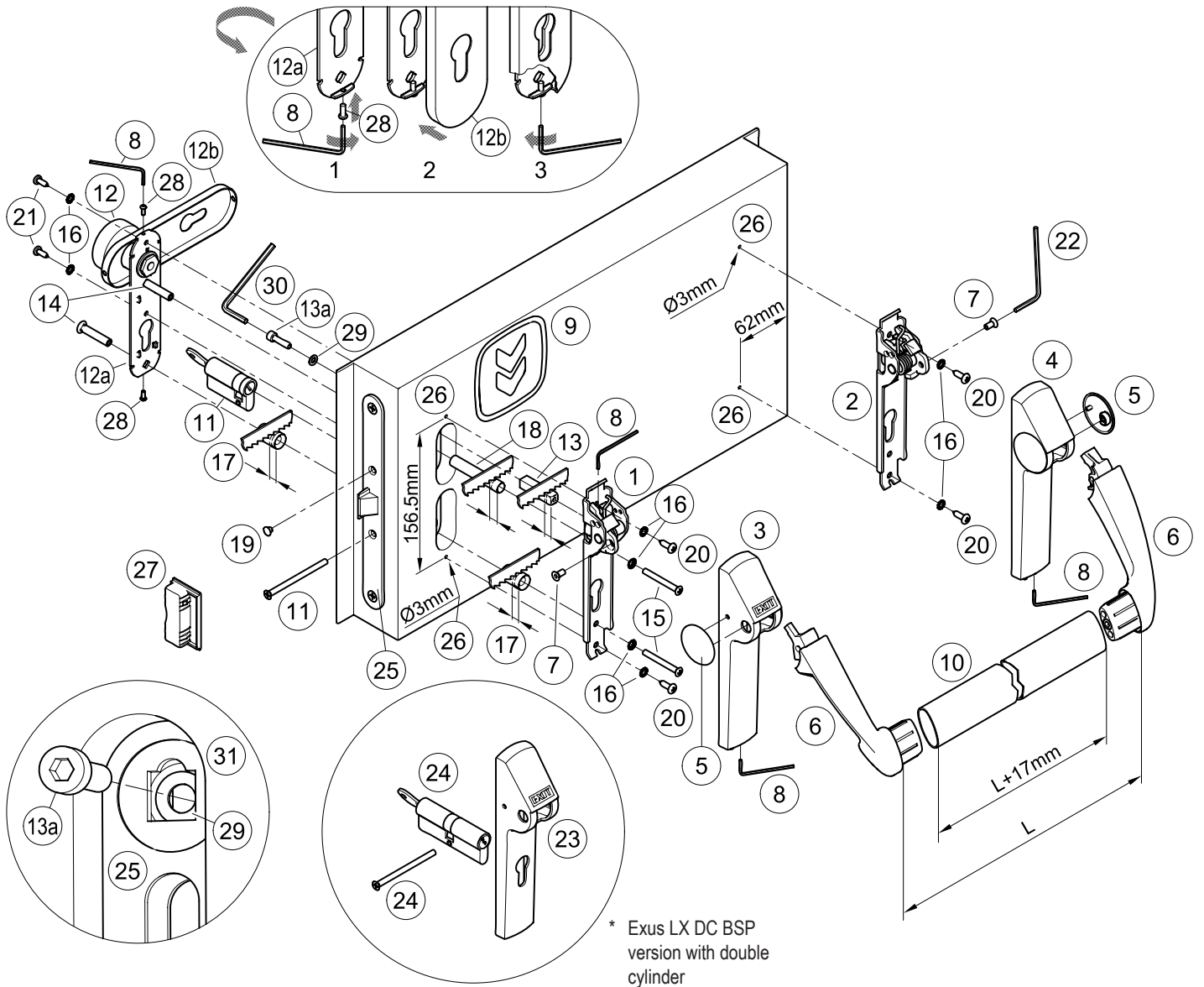
Different external access devices than those found on the list of certified components on pages 4/4 are considered unacceptable.

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 LX BSP PANIC BAR PACKAGE

position	pcs.	description	position	pcs.	description
1, 2	01	Exus LX mechanism assembly in stainless steel	17	01	Ø10,3x60,6mm spacer
3, 4, 5	01	Exus LX carter set with plugs	18	02	Ø15,0x23,5mm spacer
6	01	Exus LX set carrier arms	19	01	Black cap hole Ø8,8mm
7	02	M5x10mm hex socket countersunk screw	20	04	Pan head self tapping screw Ø4,8x16mm
8	01	S2 hex key	21	02	Pan head self tapping screw Ø4,2x13mm
9	01	Adhesive pictogram (green arrow)	22	01	S3 hex key
10	01	Horizontal bar in stainless steel	* 23	01	Exus LX DC carter set with plugs
11	01	Standard nickel-plated half cylinder with three keys and fastening screw	* 24	01	Double nickel-plated cylinder with three keys and fastening screw
12, 12a, 12b	01	Fix doorknob with stainless steel cover plate and galvanized steel installation plate	28	02	M3x8mm pan head screw
13, 13a	01	9x9x40mm threaded square spindle with M5x20mm hex socket screw	29	01	Washer
14	02	M5 threaded insert	30	01	S4 hex key
15	02	M5 countersunk pan head screw	-	01	A034 hole-drilling template
16	08	Toothed washer	-	01	Exus LX BSP panic bar 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.

 - The panic lock (25) and the respective strike box (counterstrike) (27) are delivered already mounted on the door!


### TOOLS REQUIRED


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


## 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 LX BSP 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 LX DC BSP panic bar includes a double cylinder.
- Check if the door is equipped with the panic safe lock.
- Check the type of doorknob to apply and follow the specific instructions.
- Any different installation configuration from that illustrated on page 2/4 is not allowed.

## INSTALLATION


- Insert the cylinder (11 or 24) and fasten it temporarily with the screw (11 or 24), then remove the key.
- Adjust the plastic spacers (17 and 18) to the thickness of the leaf so that they do not protrude from the surface.
- Adjust the threaded square spindle (13) to the thickness of the leaf so that it protrudes  $11\pm 1$ mm from the door surface; be careful to cut the bevelled side.
-  - Insert the washer (29) over the square hole of the panic safe lock (25), from the pull-side of the door, as showed in drawing (31). Insert the M5x20mm screw (13a) over the washer (29) and screw it at the square spindle (13), using the S4 hex wrench (30). Make sure that washer and square spindle are correctly inserted over the square holes before tighten the screw (13a).
- Screw onto installation plate (12a) of stainless steel doorknob (12) the screws (28), just enough to insert the cover plate (12b). Insert the threaded inserts (14) in the installation plate of the doorknob, making sure it is well-centred.
- Insert the two spacers (17 and 18) over the threaded inserts (14) and apply the doorknob on the pull-side of the door, being careful to center the inserts over their respective holes.
- Apply the operating mechanism (1) to the lock side (push-side of the door) after inserting the screws (15), toothed washers (16) and spacer (17). Center the square spindle, screws and cylinder (the latter for the Exus LX DC version only), starting the screws by hand before fastening them with the screwdriver.
- Use the template to drill the holes (26) with the  $\varnothing 3$ mm 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  $\varnothing 4,8 \times 16$ mm (20) and their toothed washers (16).
- Fix the square spindle (13) at the operating mechanism (1), using the S2 hex wrench (8).
- Fasten the mechanism (2) of the panic bar at hinged side, using the self-tapping screws  $\varnothing 4,8 \times 16$ mm (20) and their toothed washers (16).
- Remove the externally-facing plugs (5) from both carter (3 or 23 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 23) 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 with the included S3 wrench (22).
- Make a precise "L" measurement, cut the stainless steel bar (10) adding 17mm, 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 23 and 4), screw on without overtighten the socked set screw, using the S2 hex key (8), then apply the plugs (5).
- Finish fastening the cylinder (11 or 24), insert the little cap hole (19) in the open hole of the panic safe lock (25).

-  - Push the Exus LX BSP panic bar at any point along the horizontal bar, checking to ensure that the latch bolt opens easily and fully. Use the same method to check the external side, using the key to retract the latch bolt. Test the door in both open and closed positions, and if necessary file down the plastic strike box (27) of one-leaved doors, or the panic safe lock for inactive leaf of two-leaved doors.

- Fasten additionally the installation plate (12a) of stainless steel doorknob (12) using the self-tapping screws  $\varnothing 4,2 \times 13$ mm (21) and their toothed washers (16) after drilling holes in the metal panel with the  $\varnothing 2$ mm drill bit.
- Insert the cover plate (12b) onto installation plate (12a) (drw. 2). Using the S2 hex key (8), unscrew the screws (28) until the cover become fixed, avoiding any deformation (drw. 3).
- 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 doorknob and exit bar.
- Protect the panic bar from external atmospheric agents.
- Ensure that nothing hinders the free movement of the horizontal bar.
- Do not paint the lock.
- 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 and key can be moved with minimal effort, and that the latch bolt of the 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.
- Activate the Exus LX BSP panic bar at both ends of the horizontal bar, checking to ensure full retraction of the latch bolt in both cases.
- Ensure that the latch bolt 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 the lock 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 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 panic bar maintenance in accordance with all of the manufacturer's maintenance guidelines, keeping maintenance and check-up records and preserving the present document.



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

position	code	description
1, 2, 3, 4, 5, 6, 7, 9, 22	3102061.001	Exus LX latch case – stainless steel
* 1, 2, 4, 5, 6, 7, 9, 22, 23	3102075.001	Exus LX DC latch case with cylinder hole – stainless steel
1, 2	3105127.001	Exus LX assembly mechanism
3, 4, 5	3105163.001	Exus LX carter set with plugs
* 4, 5, 23	3105164.001	Exus LX DC carter set with plugs
6	3105140.001	Exus LX set carrier arm
7, 22	3105026.001	Twist/Exus bag
10	4204016.001	Stainless steel bar set
8, 12, 12a, 12b, 13, 13a, 14, 15, 16, 17, 18, 19, 20, 21, 28, 29, 30	4211101.022	Twist/Exus BSP set – stainless steel
11	4202103.001	Standard nickel-plated half cylinder 40/10 for Proget/Univer thk 60mm
11	4202103.002	35/10 for Univer thickness 50mm
11	4202103.003	30/10 for Rever
* 24	4202101.004	Standard nickel-plated double cylinder 45/40 for Proget/Univer thk 60mm
* 24	4202101.001	40/40 for Univer thickness 50mm
* 24	4202101.002	35/35 for Rever
25	3201001.016	Panic safe lock to push (AP 16/18)
27	4212024.001	Set of 10 Proget strike box lock
27	4212025.001	Set of 10 Univer thk60 strike box lock
27	4212026.001	Set of 10 Univer thk50 strike box lock
27	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 panic bar 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 panic bar in the locking device zone must be disassembled, including the external doorknob. The lock itself (25) 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!

- Certified components for EXUS LX BSP
- Panic exit device: model "EXUS LX"
- Panic safe lock: item AP 16/18
- Lock strike boxes: items 2401006, 2401005, 2401015, 2401014
- Operating element: item BSP inox

MAINTENANCE RECORD			
date	description of the intervention	release force checked	operator
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