Nice

CE

4024 Kit
5024 Kit
4000 Kit
5000 Kit
WG3524HS

Swing gate opener

EN - Instructions and warnings for installation and use

IT - Istruzioni ed avvertenze per l'installazione e l'uso

FR - Instructions et avertissements pour l'installation et l'utilisation

ES - Instrucciones y advertencias para la instalación y el uso

DE - Installierungs-und Gebrauchsanleitungen und Hinweise

PL - Instrukcje i ostrzeżenia do instalacji i użytkowania

NL - Aanwijzingen en aanbevelingen voor installatie en gebruik

Nice

Wingo 2024 Kit 3524 Kit

Swing gate opener

CE

Codice: ISTWINGO/A1.4865 Rev. 00 del 2 - 12 - 2008

EN - Addendum to manual Wingo

IT - Addendum al manuale Wingo

FR - Addendum au manuel Wingo

ES - Addendum al manual Wingo

DE - Nachtrag zur Anleitung Wingo

PL - Załącznik do instrukcji Wingo

NL - Addendum bij de handleiding Wingo

Nice

EN - For more information on the use of the products **Wingo WG2024** and **Wingo WG3524** refer to the instruction manual "Wingo WG4024-WG5024-WG4000 -WG5000".

Wingo WG2024: refer to data of model WG4024;

Wingo WG3524: refer to data of model WG5024.

IT - Per l'impiego deii prodotti **Wingo WG2024** e **Wingo WG3524** fare riferimento al manuale istruzioni "Wingo WG4024-WG5024-WG4000 -WG5000".

Wingo WG2024: fare riferimento ai dati del modello WG4024;

Wingo WG3524: fare riferimento ai dati del modello WG5024.

FR - Pour l'utilisation des produits **Wingo WG2024** et **Wingo WG3524** se référer au guide d'instructions « Wingo WG4024-WG5024-WG4000 -WG5000 ».

Wingo WG2024 : se référer aux données du modèle WG4024 ;

Wingo WG3524 : se référer aux données du modèle WG5024.

ES - Para utilizar los productos **Wingo WG2024** y **Wingo WG3524** consulte el manual de instrucciones "Wingo WG4024-WG5024-WG4000 -WG5000".

Wingo WG2024: consulte los datos del modelo WG4024;

Wingo WG3524: consulte los datos del modelo WG5024.

DE - Zur Anwendung der Produkte **Wingo WG2024** und **Wingo WG3524** beziehen Sie sich bitte auf die Gebrauchsanleitung "Wingo WG4024-WG5024-WG4000 -WG5000".

Wingo WG2024: Bezugnahme auf die Daten des Modells WG4024;

Wingo WG3524: Bezugnahme auf die Daten des Modells WG5024.

PL - Podczas stosowania urządzeń **Wingo WG2024** i **Wingo WG3524** należy odwołać się do instrukcji obsługi "Wingo WG4024-WG5024-WG4000 -WG5000".

Wingo WG2024: Odwołać się do danych modelu WG4024;

Wingo WG3524: Odwołać się do danych modelu WG5024.

NL - Voor informatie over het gebruik van de producten **Wingo WG2024** en **Wingo WG3524** gelieve u de handleiding "Wingo WG4024-WG5024-WG4000 -WG5000" te raadplegen.

Wingo WG2024: raadpleeg de gegevens van het model WG4024;

Wingo WG3524: raadpleeg de gegevens van het model WG5024.

DICHIARAZIONE CE DI CONFORMITÀ / *CE DECLARATION OF CONFORMITY*

Nota - Il contenuto di questa dichiarazione corrisponde a quanto dichiarato nell'ultima revisione disponibile, prima della stampa di questo manuale, del documento ufficiale depositato presso la sede di Nice Spa. Il presente testo è stato riadattato per motivi editoriali. / ***Note*** *- The content of the present declaration corresponds to the latest available revision, before the printing of the present manual, of the document registered at the head offices of Nice S.p.a. The present text has been readapted for publishing reasons.*

Numero / *Number:* 299/WG..24 **Revisione / *Revision:*** 0

Il sottoscritto Lauro Buoro in qualità di Amministratore Delegato, dichiara sotto la propria responsabilità che il prodotto / *The undersigned Lauro Buoro, managing director, declares under his sole responsibility that the following product:*

Nome produttore / *Manufacturer's name:* NICE s.p.a.
Indirizzo / *Address:* Via Pezza Alta 13, Z.I. Rustignè, 31046 Oderzo (TV) Italy
Tipo / *Type:* Motoriduttore elettromeccanico 24 Vd.c. / *24Vdc Electromechanical gearmotor*
Modelli / *Models:* WG3524, WG2024
Accessori / *Accessory:*

Risulta conforme a quanto previsto dalle seguenti direttive comunitarie / *conforms with the requirements of the following EC directives:*:

- 98/37/CE (89/392/CEE modificata) DIRETTIVA 98/37/CE DEL PARLAMENTO EUROPEO E DEL CONSIGLIO del 22 giugno 1998 concernente il ravvicinamento delle legislazioni degli Stati membri relative alle macchine / *98/37/EC (89/392/EEC amended); DIRECTIVE 98/37/EC OF THE EUROPEAN PARLIAMENT AND COUNCIL of 22 June 1998 regarding the approximation of member state legislation relating to machinery*

  Come previsto dalla direttiva 98/37/CE si avverte che non è consentita la messa in servizio del prodotto sopra indicato finché la macchina, in cui il prodotto è incorporato, non sia stata identificata e dichiarata conforme alla direttiva 98/37/CE. / *As established in directive 98/37/EC, the above-mentioned product may not be started up unless the machine in which the product is incorporated has been identified and declared as conforming to directive 98/37/EC.*

Inoltre il prodotto risulta conforme a quanto previsto dalle seguenti direttive comunitarie, così come modificate dalla Direttiva 93/68/CEE del consiglio del 22 Luglio 1993 / *Satisfies the essential requirements of the following Directives, as amended by the directive 93/68/EEC of the European Council of 22nd July 1993:*

- 2006/95/CEE(ex direttiva 73/23/CE) DIRETTIVA 2006/95/CE DEL PARLAMENTO EUROPEO E DEL CONSIGLIO del 12 dicembre 2006 concernente il ravvicinamento delle legislazioni degli Stati membri relative al materiale elettrico destinato ad essere adoperato entro taluni limiti di tensione / *2006/95/EEC (ex directive 73/23/EEC); DIRECTIVE 2006/95/EEC OF THE EUROPEAN PARLIAMENT AND COUNCIL of 12 December 2006 regarding the approximation of member state legislation relating to electrical material intended for use within specific voltage limits*
  Secondo le seguenti norme armonizzate / *According to the following harmonised standards:* EN 60335-1:1994+A11:1995+A1:1996+A12:1996 +A13:1998+A14:1998+A15:2000+A2:2000+A16:2001

- 2004/108/CEE(ex direttiva 89/336/CEE) DIRETTIVA 2004/108/CE DEL PARLAMENTO EUROPEO E DEL CONSIGLIO del 15 dicembre 2004 concernente il ravvicinamento delle legislazioni degli Stati membri relative alla compatibilità elettromagnetica e che abroga la direttiva 89/336/CEE / *2004/108/EEC (ex directive 89/336/EEC); DIRECTIVE 2004/108/EEC OF THE EUROPEAN PARLIAMENT AND COUNCIL of 15 December 2004 regarding the approximation of member state legislation relating to electromagnetic compatibility, repealing directive 89/336/EEC*
  Secondo le seguenti norme armonizzate / *According to the following harmonised standards:* EN 61000-6-2:2005; EN 61000-6-3:2001+A11:2004

Inoltre risulta conforme; limitatamente per le parti applicabili, alle seguenti norme / *The product also complies with the applicable parts of the following standards:*
EN 60335-1:2002+A1:2004+A11:2004+A12:2006+ A2:2006, EN 60335-2-103:2003, EN 13241-1:2003; EN 12453:2002; EN 12445:2002; EN 12978:2003

Oderzo, 16 ottobre 2008 / *Oderzo, 16 October 2008*

Lauro Buoro
(Amministratore Delegato / *Managing Director*)

ENGLISH

Instructions translated from Italian

1 GENERAL SAFETY WARNINGS AND PRECAUTIONS

1.1 - Safety warnings

- **CAUTION! - This manual contains important instructions and warnings for personal safety.** Wrong installation can cause serious injuries. Before starting work read all the manual carefully. If in doubt, stop installation and ask the Nice Assistance Department for clarifications.
- **CAUTION! – According to the most recent European legislation, the realisation of an automatic door or gate must comply with the regulations of Directive 98/37/CE (Machine Directive) and in particular, standards EN 12445; EN 12543; EN 12635 and EN 13214-1, which declare the presumed conformity of the automation. In consideration of this, all the installation, connection, inspection and maintenance operations of the product must be performed exclusively by a qualified and competent technician!**
- **CAUTION! – Important instructions: keep this manual for any possible future requirement for maintenance and disposal of the product.**

1.2 - Warnings for installation

- Before installing check if this product is suited to automating your gate or door (see chapter 3 and "Technical features of the product"). If unsuitable, DO NOT proceed with the installation.
- Include a disconnection device in the power supply system with an opening distance between the contacts to permit full disconnection in the conditions dictated by the category of surcharge III.
- **All the installation and maintenance operations must occur with the automation disconnected from the electrical power supply.** If the disconnection device of the power supply is not visible from the area where the automatism is located, before starting the work it is necessary to attach a sign with the text "CAUTION! MAINTENANCE IN PROGRESS" on the disconnection device.
- During installation handle the automatism with care avoiding crushing, knocks, falls or contact with liquids of any kind. Do not place the product near sources of heat, or expose it to naked flames. All these activities can damage and cause malfunctions or dangerous situations. If this occurs, stop the installation immediately and contact the Nice Assistance Department.
- Do not make alterations to any part of the product. Operations which are not permitted will cause only malfunctions. The manufacturer declines any liability for damage caused by arbitrary alterations to the product.
- If the gate or the door to be automated is fitted with a pedestrian door it is necessary to include a control system in the installation to prevent the operation of the motor when the pedestrian door is open.
- Check there are no trapping points towards fixed parts when the leaf of the gate is in the maximum Open position, if necessary protect these parts.
- The push button control on the wall must be positioned in sight of the automation, away from the moving parts, at a minimum height of 1.5 m from the ground and it must not be accessible to the public.
- The product packaging material must be disposed of respecting the local regulations in force.

2 DESCRIPTION OF THE PRODUCT AND ENVISAGED USE

This product is intended to be used for automating swing gates or doors in an exclusively residential context. **CAUTION! – Any other use different to that described and in ambient conditions different to those set out in this manual is to be considered improper and forbidden!**

The product is an electromechanical gear motor, equipped with a 24 v continuous current or 230V (depending on the model) alternate current motor and an endless screw reduction gear.
The gear motor is powered by the external control unit to which it is connected. In the event of a black out, it is possible to move the gate leaves by hand, unblocking the gear motor manually.

Fig. 1 shows all the components provided in the package (according to the model chosen):

[**a**] - electromechanical gear motor
[**b**] - front bracket (for fixing the gear motor to the gate leaf)
[**c**] - rear bracket and plate (for fixing the gear motor to the wall)
[**d**] - metal parts (screws, washers, etc.)
[**e**] - keys to manually unlock the gear motor

3 INSTALLATION

3.1 - Checks before installation

Before installation, check the integrity of the components, suitability of the model chosen and suitability of the environment chosen for the installation.

IMPORTANT – The gear motor cannot automate a manual gate which does not have a safe and efficient mechanical structure. Furthermore, it cannot solve the faults caused by wrong installation or bad maintenance of the gate itself.

3.2 - Suitability of the gate to being automated and the surrounding environment

- Check the mechanical structure of the gate is suited to being automated and conforms to the national laws in force (if necessary make reference to the data on the gate label).
- Moving the gate leaf manually in Open and Close position, check the movement occurs with equal and constant attrition at each point of the stroke (there must be no moments of greater effort).
- Check the gate leaf remains balanced, that it does not move if brought manually to any position and left stopped.
- Check the space around the gear motor allows to manually unblock the gate leaf, easily and safely.
- Check the surfaces chosen for installing the product are solid and can guarantee stable fixing.
- Check the fixing zone of the gear motor is compatible with the size of the latter, see **fig. 2**: the correct Opening movement of the gate and the force the motor exerts to perform it, depend on the position in which the rear fixing bracket is secured. Therefore, before installing it is necessary to make reference to **graph 2** to define the maximum Opening angle of the leaf and the force of the motor, suited to the individual system.

3.3 - Limits of use of the product

Before installing the product, check the gate leaf is the right size and weight and falls within the limits shown in **graph 1.**

3.4 - Preparing for installation

Fig. 3 shows an example of an automation system designed with **Nice** components. These components are positioned according to a typical and usual scheme.
Making reference to **fig. 3**, decide the approximate position in which to install each component envisaged by the system and the most appropriate connection diagram.

Useful components for producing a complete system (fig. 3):

A - Electromechanical gear motors
B - Couple of photocells
C - Couple of stop blocks (in Opening)
D - Columns for photocells
E - Flashing signalling device with incorporated antenna
F - Key selector switch or digital keypad
G - Control unit

3.5 - Installation of fixing brackets and gear motor

3.5.1 – Installation of rear fixing bracket

Calculate the position of the rear bracket using **graph 2.**
This graph serves to establish **dimensions A** and **B** and the **value of the maximum opening angle** of the leaf. **Important – The values of A and B must be similar to allow linear movement of the automation.**

01. Measure **dimension C** (**fig. 4**) on the fixing side;
02. On **graph 2**, identify **dimension C** found and trace a horizontal line that

determines the value of **dimension B (*)** as shown in the example of **fig. 5**; the meeting point with line "**r.i.l**" (installation line recommended) determines the value of the angle of maximum opening. From this point, trace a vertical line as shown in the example of **fig. 5** to determine the value of **dimension A**.

If the angle found does not correspond to the requirements, adapt dimension A and if necessary dimension B, so they are similar.

03. Before being fixed to the wall the bracket must be sealed to the specific fixing plate (**fig. 6**); if necessary the bracket can be cut adapting values of dimensions A and B.

Note – The rear bracket provided with the gearmotor has a length of 150 mm; in the case of special applications or an outward opening gate (**fig. 7**) the bracket model PLA6 (optional accessory) may be used.

CAUTION! – Before securing the rear bracket, check the fixing zone of the front bracket is in a solid part of the leaf, as this bracket must be fixed at a different height of the rear bracket (fig. 8).

04. At this point, fix the bracket using dowels, screws and washers required (not supplied).

3.5.2 – Installation of front fixing bracket

The front bracket must be fixed to the gate leaf respecting the values of **dimensions D** and **E** (**Fig. 4**).

Note – The front bracket provided with the gearmotor must be welded directly onto the gate leaf. If this is not possible, use the bracket model PLA8 (optional accessory)

01. Establish the value of **dimension E** using **Table 1**;

02. Establish the height in which to position the front bracket, referring to **fig. 8**;

03. Fix the bracket to the solid part of the gate leaf.

TABLE 1

Model: WG4024 - WG4000 - WG4000/V1		Model: WG5024 - WG5000 - WG5000/V1 - WG3524HS
D (mm):	**700**	**850**
A (mm)	**E (mm)**	
100	**600**	**750**
110	**590**	**740**
120	**580**	**730**
130	**570**	**720**
140	**560**	**710**
150	**550**	**700**
160	**540**	**690**
170	**530**	**680**
180	**520**	**670**
190	**510**	**660**
200	**500**	**650**
210	**490**	**640**
220	**480**	**630**
230	**470**	**620**
240		**610**
250		**600**
260		**590**
270		**580**
280		**570**

3.5.3 – Installation of the gear motor on the fixing brackets

• **Installing the gear motor on the rear bracket**:

01. Fix the gear motor to the bracket as shown in **fig. 9** using the screw, washer and nut supplied;

02. Tighten the nut to the end and then loosen by 1/10 of a turn to allow minimum clearance between the parts.

• **Installing the gear motor on the front bracket**:

01. Fix the gear motor to the bracket as shown in **fig. 10** using the screw, washer and nut supplied;

02. Tighten the screw to the end.

03. Fix the label provided in the package, dealing with the unblocking and blocking operations of the gear motor, permanently close to the gear motor.

3.6 - Setting the mechanical limit switch

The mechanical limit switch allows to set the stop position of the gate leaf, in this way, it is not necessary to use the stop blocks and the leaf does not hit against these at the end of the manoeuvre.

WARNING – In the event of applications with a gate equipped with opening towards the outside (fig. 7) it is necessary to invert the power supply wires. Set the **limit switch in Opening** of the gear motor as follows:

01. Unblock the gear motor as shown **in fig. 14**;

02. Loosen the mechanical stop screw;

03. Bring the gate leaf manually to the Open position required;

04. Then, bring the mechanical stop to the end of the pin and block the screw (**fig. 11**).

05. Bring the leaf manually to the Close position and block the gear motor.

4 ELECTRICAL CONNECTIONS

CAUTION!

– A wrong connection can cause faults or danger; therefore follow scrupulously the connections set out.

– Perform the connection operations when the electricity is off.

To connect the gear motor to the control unit, proceed as follows:

01. Remove the lid of the gear motor as shown in **fig. 12**;

02. Slacken the gearmotor cable clamp, thread the connecting cable through the hole and connect the three electric wires as shown in **fig. 13**;

03. Replace lid on gear motor.

To check the connections, direction of rotation of the motor, phase shift in the movement of the leaves and setting the limit switch, refer to the instructions manual of the control unit.

IMPORTANT – With a gate configured with opening towards the outside invert the power supply wires with respect to the standard installation.

5 INSPECTING THE AUTOMATION

This is the most important phase in realising the automation to guarantee maximum safety. The inspection can be used also to periodically check the devices which make up the automatism.

The inspection of the entire system must be performed by expert and qualified staff who must take responsibility of the tests requested, depending on the risk involved and to check compliance of what is set out by laws, rules and regulations and in particular all the requirements of regulation EN 12445 which establishes the testing methods to verify gate automatisms.

Inspection

Each single component of the automatism, for example sensitive edges, photocells, emergency shutdowns, etc. requires a specific inspection phase; for these devices follow the procedures shown in the respective instruction manuals. For inspection of the gear motor follow the operations below:

01. Check that everything in this manual and in particular in chapter 1 has been rigorously complied with;

02. Unblock the gear motor as shown in **fig. 14**;

03. Check it is possible to manually move the leaf when opening and closing with a force no greater than 390N (approx. 40 kg);

04. Block the gear motor and connect the electrical power supply;

05. Using the control or shutdown devices envisaged (key selector switch, control buttons or radio transmitters), perform a number of opening, closing and stopping tests of the gate and check it behaves as it should;

06. Check the correct operation of all the safety devices one by one in the system (photocells, sensitive edges, emergency shutdown, etc.) and check the gate behaves as it should;

07. Command a closing manoeuvre and check the force of the impact of the leaf against the end of the mechanical limit switch. If necessary, try to unload the pressure, finding a setting which gives better results;

08. If the dangerous situations caused by the movement of the leaf have been protected by limiting the force of impact the force must be measured as required by regulation EN 12445;

Note – The gear motor is not provided with torque setting devices, such regulations are done by the Control unit.

Putting into operation

This can occur only after having performed, with positive results, all the inspection phases of the gear motor and other devices present. To put it into operation refer to the instructions manual of the control unit.

IMPORTANT – It is forbidden to put into partial or provisional operation.

6 PRODUCT MAINTENANCE

To keep the level of safety consistent and to guarantee maximum life of the entire automation it is necessary to maintain it regularly.
The maintenance must be performed in line with the safety instructions of this manual and according to what is set out by the laws and regulations in force. For the gear motor a programmed maintenance within no more than 6 months is required.

Maintenance operations:

01. Disconnect any sources of electricity.
02. Check the status of deterioration of all the materials which make up the automation with particular attention to signs of erosion or oxidation of the structural parts: replace the parts which do not provide sufficient guarantees.
03. Check the screw connections are sufficiently tight.
04. Check the bolt and endless screw are suitably greased.
05. Check the wear of the moving parts and, if necessary, replace used parts.
06. Reconnect the sources of electrical power and perform all the tests and checks envisaged in chapter 5.

For the other devices present in the system refer to the individual instruction manuals.

DISPOSAL OF THE PRODUCT

This product is an integral part of the automation, and therefore, they must be disposed of together.

As for the installation operations, at the end of the life of this product, the dismantling operations must be performed by qualified personnel.

This product is made from different types of materials: some can be recycled, others must be disposed of. Please inform yourselves on the recycling or disposal systems provided for by the laws in force in your area, for this category of product.

CAUTION! – some parts of the product can contain polluting or dangerous substances which, if dispersed in the environment, may cause serious harm to the environment and human health.

As indicated by the symbol at the side, it is forbidden to throw this product into domestic refuse. Therefore, follow the "separated collection" instructions for disposal, according to the methods provided for by local regulations in force, or redeliver the product to the retailer at the moment of purchase of a new, equivalent product.

CAUTION! – the regulations in force at local level may envisage heavy sanctions in case of abusive disposal of this product.

Durability of the product

Durability is the average economic life of the product. The value of durability is strongly influenced by the demand index of the manoeuvres performed by the automatism: that is the sum of all the factors which contribute to the wear of the product (see Table 2).

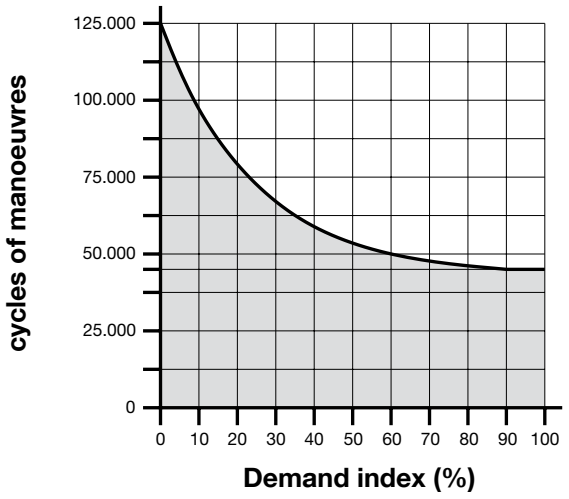
To establish the probable durability of your automatism proceed as follows:

01. Calculate the demand index summing the values in percentage of the entries present in **Table 2** to each other;
02. In **Graph A**, from the value just found, trace a vertical line until you intersect the curve; from this point trace a horizontal line to cross the line of "cycles of manoeuvres". The value established is the estimated durability of your product.

The estimate of durability is performed on the basis of the design calculations and the results of tests carried out on prototypes. In fact, being an estimate, it does not give any guarantee on the actual duration of the product.

TABLE 2		Demand index		
		WG4024 WG4000 WG4000/V1	WG5024 WG5000 WG5000/V1	WG3524HS
Leaf weight:	> 100 kg	10 %	0 %	10 %
	> 200 kg	20 %	10 %	20 %
	> 300 kg	30 %	20 %	—
	> 400 kg	—	30 %	—
Leaf length:	1 - 2 m	20 %	0 %	10 %
	2 - 3 m	—	10 %	20 %
	3 - 3,5 m	—	20 %	—
Operating temperature:		20 %	20 %	20 %
Blind leaf:		15 %	15 %	15 %
Installation in windy area:		15 %	15 %	15 %

GRAPH A



Example of calculation of durability of a Wingo WG5024 gear motor (refer to Table 2 and Graph A):

- leaf weight = 200 kg (demand index= 10%)
- leaf length = 2.5 m (demand index = 20%)
- no other stress elements present

Total demand index = 20%

Durability estimate = 80.000 cycles of manoeuvre

TECHNICAL FEATURES OF THE PRODUCT

CAUTIONS: • The technical features set out refer to an ambient temperature of 20°C (± 5°C). • Nice S.p.a. reserves the right to make alterations to the product any time it deems it necessary, keeping the same functionality and destination of use.

	WG4024	WG5024	WG4000	WG4000/V1	WG5000	WG5000/V1	WG3524HS
Type	electromechanical gear motor for gates or doors with leaf opening						
Power input	24 V ⎓	24 V ⎓	230 V~ 50 Hz	120 V~ 60 Hz	230 V~ 50 Hz	120 V~ 60 Hz	24 V
Maximum absorption	3,5 A	3,5 A	1,5 A	1,5 A	1,5 A	2,5 A	5 A
Nominal absorption	2 A	2 A	0,5 A	0,5 A	0,5 A	1 A	3 A
Maximum absorbed power	85 W	85 W	200 W	200 W	200 W	200 W	120 W
Nominal absorbed power	50 W	50 W	130 W	130 W	130 W	130 W	72 W
Protection grade	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44
Travel	320 mm	470 mm	320 mm	320 mm	470 mm	470 mm	470 MM
Speed loadless	0,018 m/s	0,016 m/s	0,016 m/s	0,020 m/s	0,013 m/s	0,016 m/s	0,040 m/s
Maximum thrust	1500 N	1500 N	1500 N	1500 N	1700 N	1700 N	1500 N
Nominal thrust	500 N	500 N	500 N	500 N	600 N	600 N	650 N
Operating temperature	-20 °C to +50 °C						
Cycles h at nominal torque	40	40	30	30	30	30	30
Durability	estimated between 80,000 and 250,000 cycles of manoeuvres according to the conditions set out in Table 2						
Insulation class	A	A	F	F	F	F	F
Dimensions (mm)	770 x 98 x 95 h	920 x 98 x 95 h	770 x 98 x 95 h	770 x 98 x 95 h	920 x 98 x 95 h	920 x 98 x 95 h	920 x 98 x 95 h
Weight (kg)	6	6	6	6	6	6	6

CE declaration of conformity and declaration of incorporation for a “quasi-machine”

Declaration in accordance with Directives: 2004/108/EC (EMC); 2006/42/EC (MD) annex II, part B

Note - The content of this declaration corresponds to the declaration made in the official document filed in the offices of Nice S.p.a., and particularly the latest version thereof available prior to the printing of this manual. The text contained here has been adapted to meet editorial requirements. A copy of the original declaration may be requested from Nice S.p.a. (TV) I.

Declaration number: **143/WINGO** Revision: **9** Language: **EN**

Name of manufacturer: NICE S.p.A.
Address: Via Pezza Alta N°13, 31046 Rustignè di Oderzo (TV) Italy.
Person authorized to provide technical documentation: NICE S.p.A. – Via Pezza Alta N°13, 31046 Rustignè di Oderzo (TV) Italy.
Product type: Electric gearmotor for swing gates.
Model / Type : WG4000, WG4000/V1, WG5000, WG5000/V1, WG4024, WG5024, WG3524HS
Accessories: No accessory.

The undersigned Mauro Sordini, as Chief Executive Officer, hereby declares under his own responsibility that the products identified above comply with the provisions of the following directives:

- DIRECTIVE 2004/108/EC OF THE EUROPEAN PARLIAMENT AND COUNCIL of December 15 2004 concerning alignment of Member States’ legislation regarding electromagnetic compatibility and abrogating directive 89/336/EEC, according to the following harmonized standards: EN 61000-6-2:2005; EN 61000-6-3:2007 + A1:2011.

The product also complies with the following directive in accordance with the requirements for “quasi-machines”:

- Directive 2006/42/EC OF THE EUROPEAN PARLIAMENT AND COUNCIL of May 17 2006 regarding machines and amending directive 95/16/EC (consolidated text).

– I declare that the pertinent technical documentation has been prepared in accordance with Annex VII B to Directive 2006/42/EC and that the following essential requirements have been met:
1.1.1 - 1.1.2 - 1.1.3 - 1.2.1 -1.2.6 - 1.5.1 -1.5.2 - 1.5.5 - 1.5.6 - 1.5.7 - 1.5.8 - 1.5.10 - 1.5.11.
– The manufacturer agrees to send the national authorities pertinent information on the “quasi-machine” in response to a motivated request without affecting its intellectual property rights.
– If the “quasi-machine” is operated in a European country with an official language other than the language used in this declaration, the importer must associate a translation with this declaration.
– The “quasi-machine” must not be operated until the final machine in which it is to be incorporated is declared to conform to the provisions of Directive 2006/42/EC, if applicable to it.

The product also complies with the following standards: EN 60335-1:2002 + A1:2004 + A11:2004 + A12:2006 + A2:2006 + A13:2008 + A14:2010 + A15:2011; EN 60335-2-103:2003 + A11:2009.

The parts of the product which are subject to the following standards comply with them: EN 13241-1:2003 + A1:2011; EN 12445:2002; EN 12453:2002; EN 12978:2003 + A1:2009.

Oderzo, 30 April 2015

Eng. **Mauro Sordini**
(Chief Executive Officer)

EN - OPERATION MANUAL

IT - MANUALE D'USO

FR - GUIDE DE L'UTILISATEUR

ES - MANUAL DE USO

DE - GEBRAUCHSANLEITUNG

PL - INSTRUKCJA OBSŁUGI

NL - GEBRUIKSHANDLEIDING

EN

Instructions and cautions for the user of the WG4024 - WG5024 - WG4000 - WG4000/V1 - WG5000 - WG5000/V1 - WG3524HS gear motor

Before using the automation for the first time, have the fitter explain the origin of the residual risks, and dedicate a few minutes of your time to reading the instructions manual and cautions for the user provided by the fitter. Keep the manual for any future doubt and deliver it to any new proprietor of the automation.

CAUTION! –Your automation is a machine which faithfully performs your commands; a wrong or improper use will make it dangerous:

- **Do not command the movement of the automation if people, animals or things are within its range of action.**
- **It is totally forbidden to touch parts of the automation while the gate or door is moving!**
- **Transit is allowed only if the gate or door is completely open with the leaves stopped!**

• **Children:** an automation system guarantees a high level of safety, preventing the movement in the presence of people or things with its detection systems, and guaranteeing an always predictable and safe activation. It is any case prudent to forbid children to play close to the automation and, to avoid accidental activations, do not leave the remote control within their reach: it is not a toy!

• The product is not designed to be used by people (including children) whose physical, sensorial, or mental abilities are reduced, or those without experience or knowledge, unless they have been able to benefit, through intermediation of a person responsible for their safety, of supervision or instructions regarding the use of the product.

• **Anomalies**: As soon as you notice some anomalous behaviour by the automation, cut off the power to the system and unblock it manually. Do not attempt to perform any repair work, but ask the assistance of your trusted fitter: meanwhile the system can work as an unautomated opening, once the gear motor has been unblocked as described below.

• **Maintenance:** As with each machine your automation needs periodic maintenance so that it can function as long as possible and in complete safety. Agree a periodic maintenance plan with your fitter; Nice recommends maintenance every 6 months for normal domestic use, but this period may vary depending on the intensity of use: Any control, maintenance or repair work must be performed by qualified personnel.

• Even if you consider yourself able to perform the work, do not modify the system and the programming parameters or adjust the automation: it is the responsibility of the fitter.

• The inspection, periodic maintenance work and any repairs must be documented by the person who performs them and these documents must be kept by the owner of the system. The only work you can perform and which we recommend doing periodically is cleaning of the glass of the photocells and the removal of any leaves or stones which may obstruct the automatism. To prevent someone activating the gate, before proceeding, remember to unblock the automatism (as described below) and to clean it only with a sponge slightly dampened in water.

• **Disposal:** At the end of the life of the automation, ensure it is dismantled by qualified personnel and that the materials are recycled or disposed of according to local regulations in force.

• In the event of breakage or black out: As you await for the fitter to perform the work or for the electricity to return if the system is not equipped with buffer batteries, the automation can still be used. It is necessary to manually unblock the gear motor (see “Unblocking or blocking the gear motor”) and move the gate leaf manually as required.

UNBLOCKING AND BLOCKING THE GEAR MOTOR MANUALLY

The gear motor is equipped with a mechanical system which allows to open and close the gate manually. These operations must be performed during electrical black outs or operating anomalies.

IMPORTANT! – The gear motor must only be blocked or unblocked when the leaf is stopped.

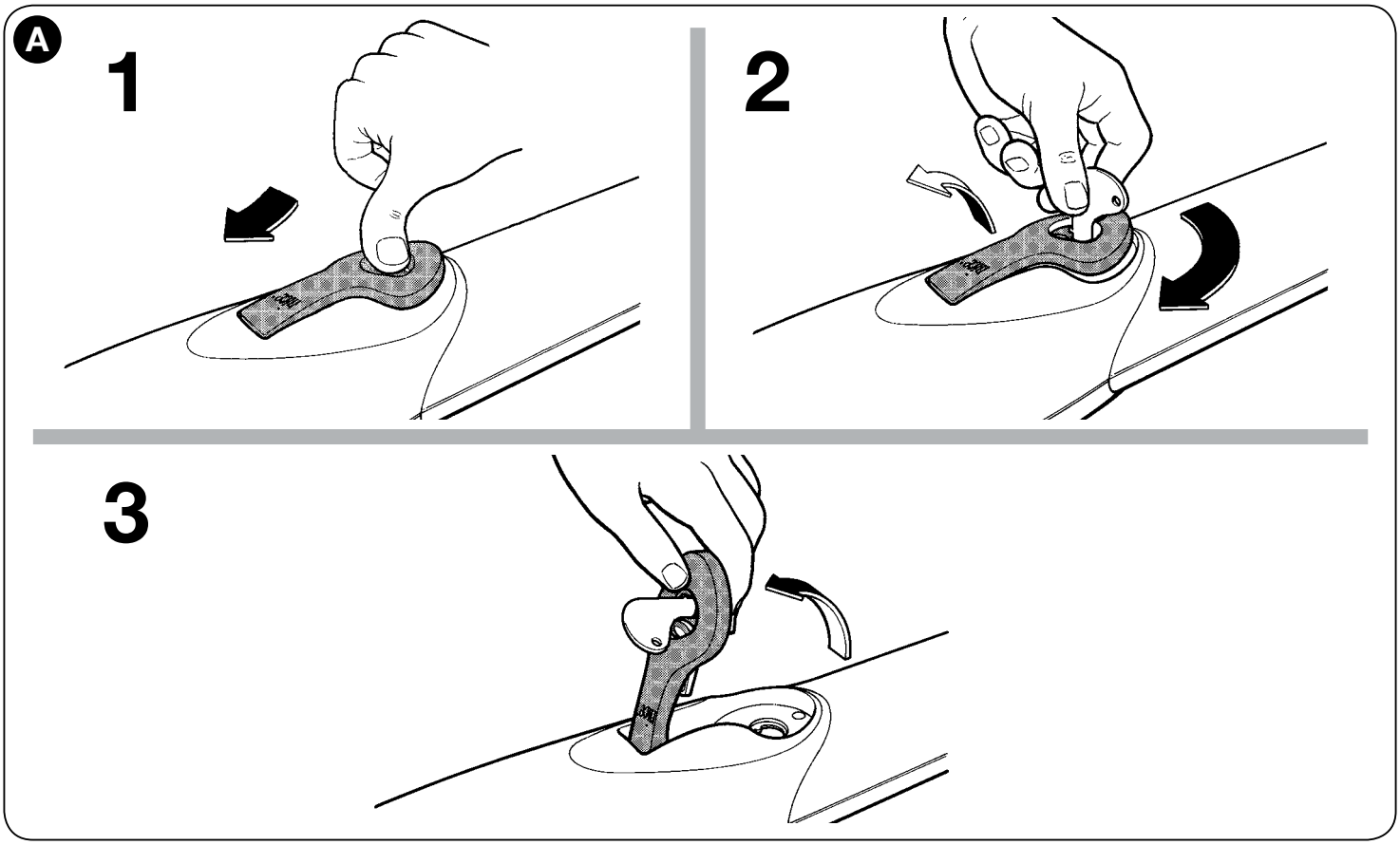
If there is an electric lock on the automation ensure the electric lock is unlocked before moving the leaf.

UNBLOCKING the gear motor manually (**fig. A**):

01. Slide the protection membrane and insert the key turning it clockwise:
02. Pull the handle upwards, accompanying it:
03. At this point, manually move the gate leaf in the position desired.

BLOCKING the gear motor manually;

01. Close the handle and turn the key anti-clockwise;
02. Remove the key and close the protection membrane.



EN - Images

IT - Immagini

FR - Images

ES - Imágenes

DE - Bilder

PL - Zdjęcia

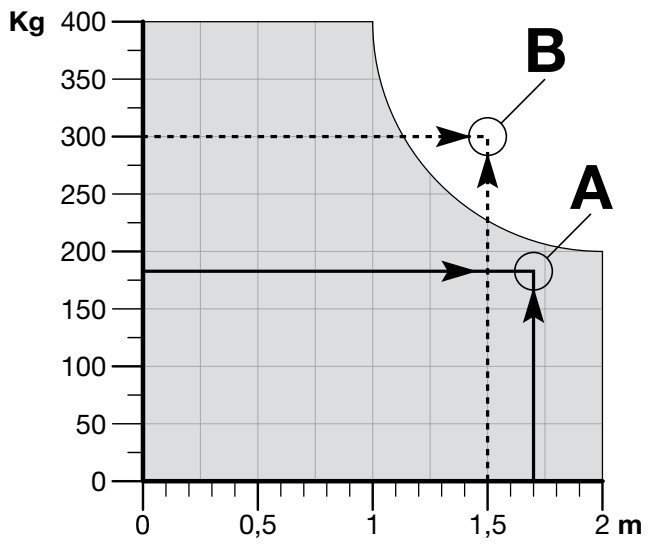
NL - Afbeeldingen

EN	GRAPH 1 “Limits of use of the product”
IT	GRAFICO 1 “Limiti d’impiego del prodotto”
FR	GRAPHIQUE 1 “Limites d’utilisation du produit”
ES	GRÁFICO 1 “Límites de empleo del producto”
DE	GRAPHIK 1 “Verwendungsgrenzen des Produkts”
PL	SCHEMAT 1 “Ograniczenia używania produktu”
NL	GRAFIEK 1 “Gebruiksbeperkingen van het product”

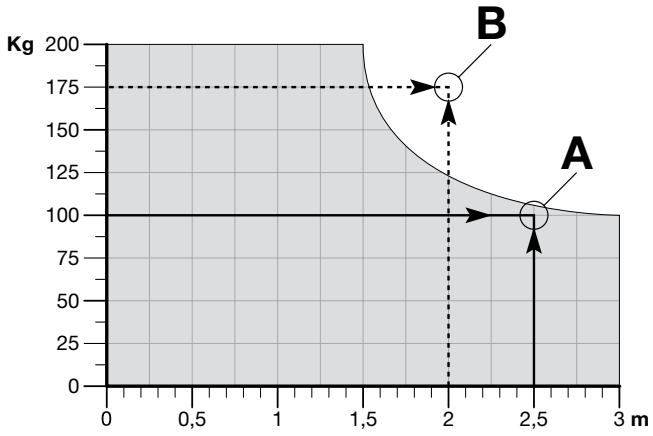
kg:	
EN	Maximum weight of the gate leaf
IT	Peso massimo dell’anta del cancello
FR	Poids maximum du vantail du portail
ES	Peso máximo de la hoja de la puerta
DE	Höchstgewicht des Torflügels
PL	Ciężar maksymalny skrzydła bramy
NL	Maximum gewicht van de vleugel van het hekwerk

m:	
EN	Maximum length of the gate leaf
IT	Lunghezza massima dell’anta del cancello
FR	Longueur maximum du vantail du portail
ES	Longitud máxima de la hoja de la puerta
DE	Höchstlänge des Torflügels
PL	Długość maksymalna skrzydła bramy
NL	Maximum lengte van de vleugel van het hekwerk

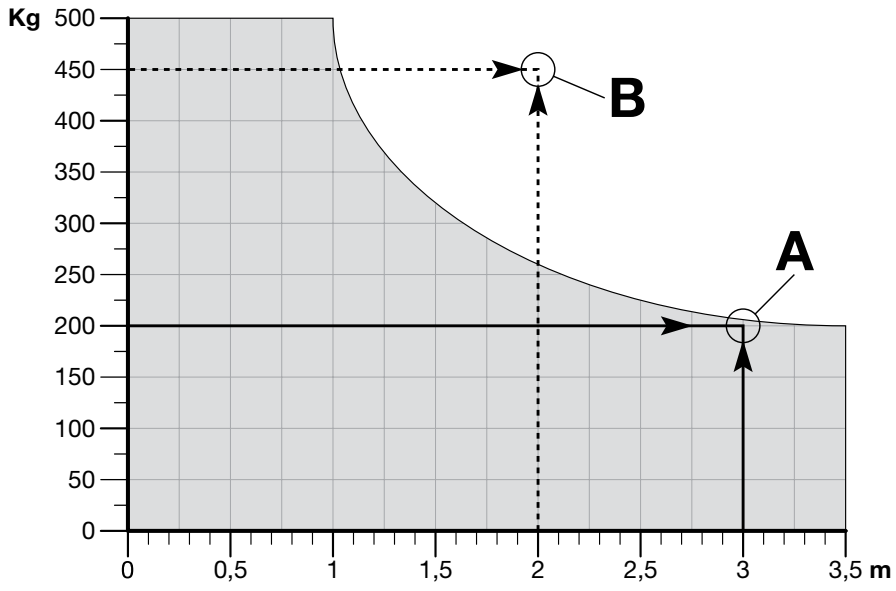
WG4024 - WG4000 - WG4000/V1



WG3524HS

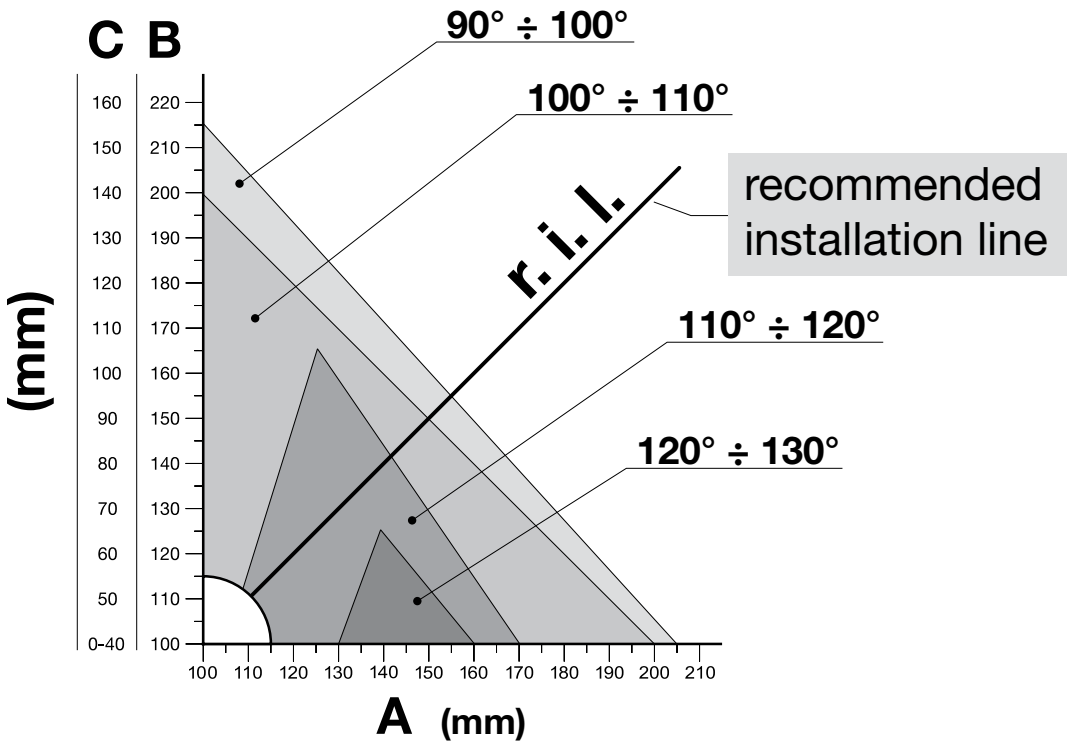


WG5024 - WG5000 - WG5000/V1

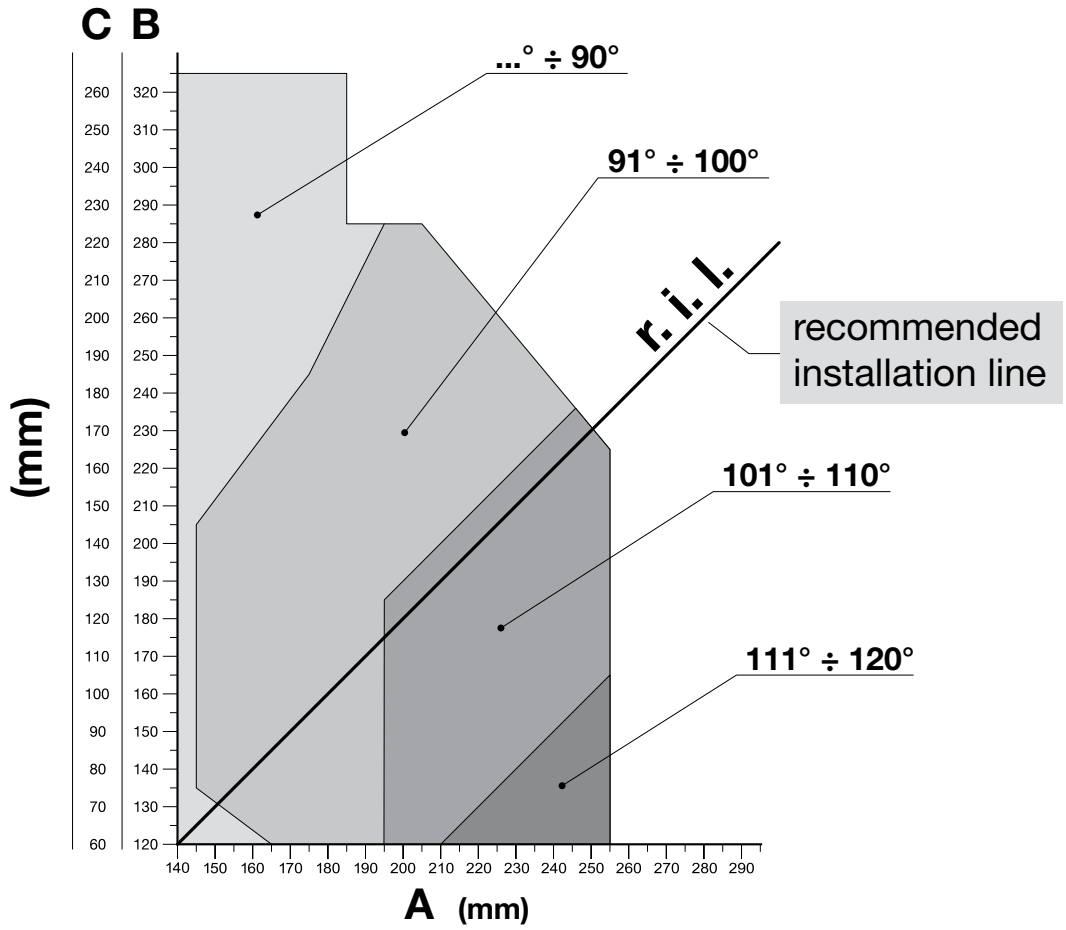


EN	GRAPH 2	DE	GRAPHIK 2
IT	GRAFICO 2	PL	SCHEMAT 2
FR	GRAPHIQUE 2	NL	GRAFIEK 2
ES	GRÁFICO 2		

WG4024 - WG4000 - WG4000/V1



WG5024 - WG5000 - WG5000/V1 - WG3524HS



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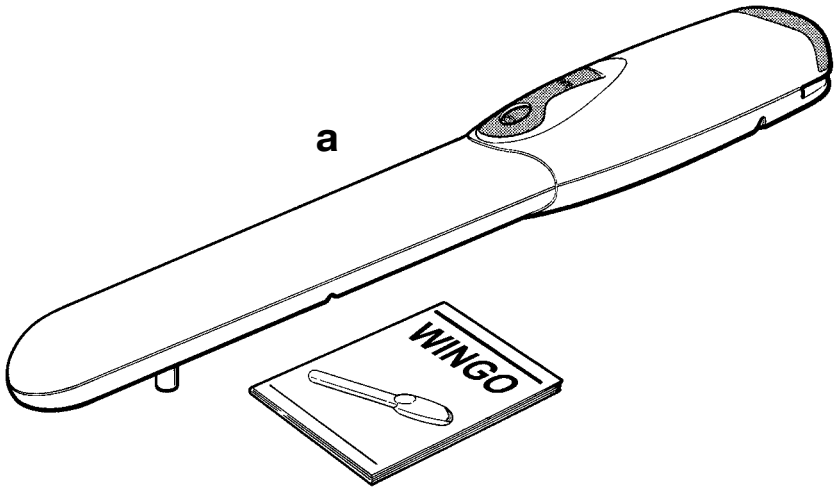

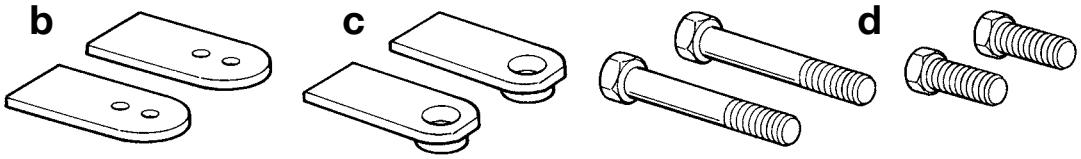

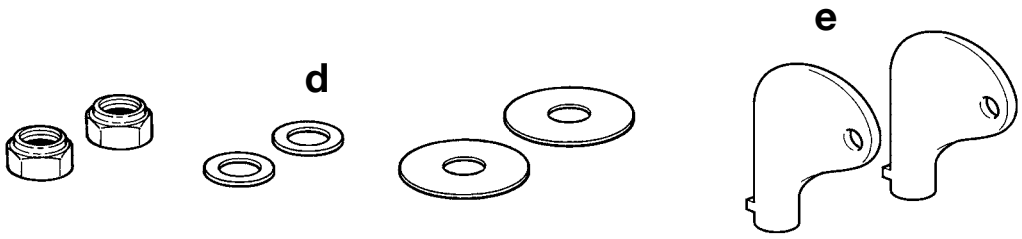

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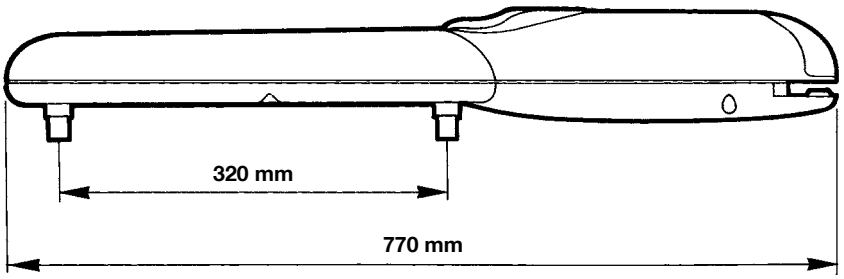
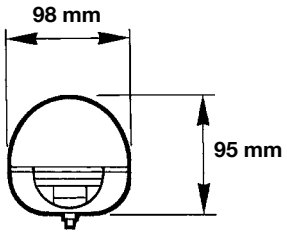
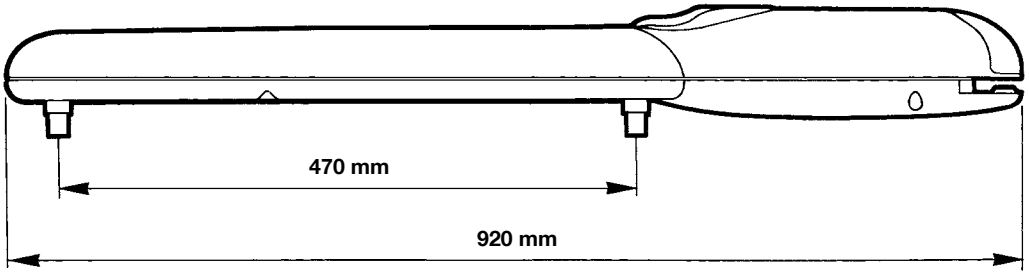
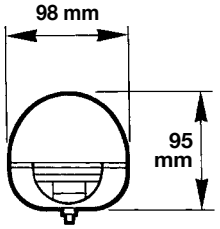




WG5024 - WG5000 - WG5000/V1 - WG3524HS





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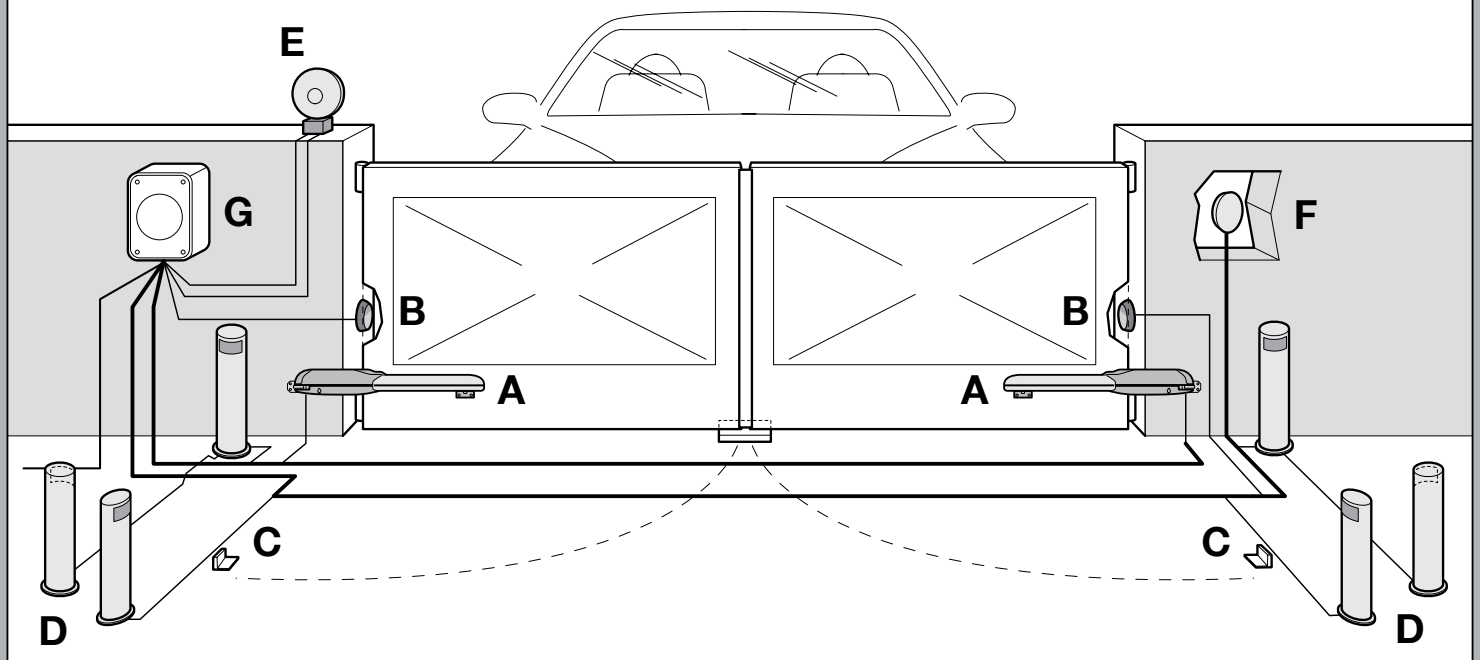

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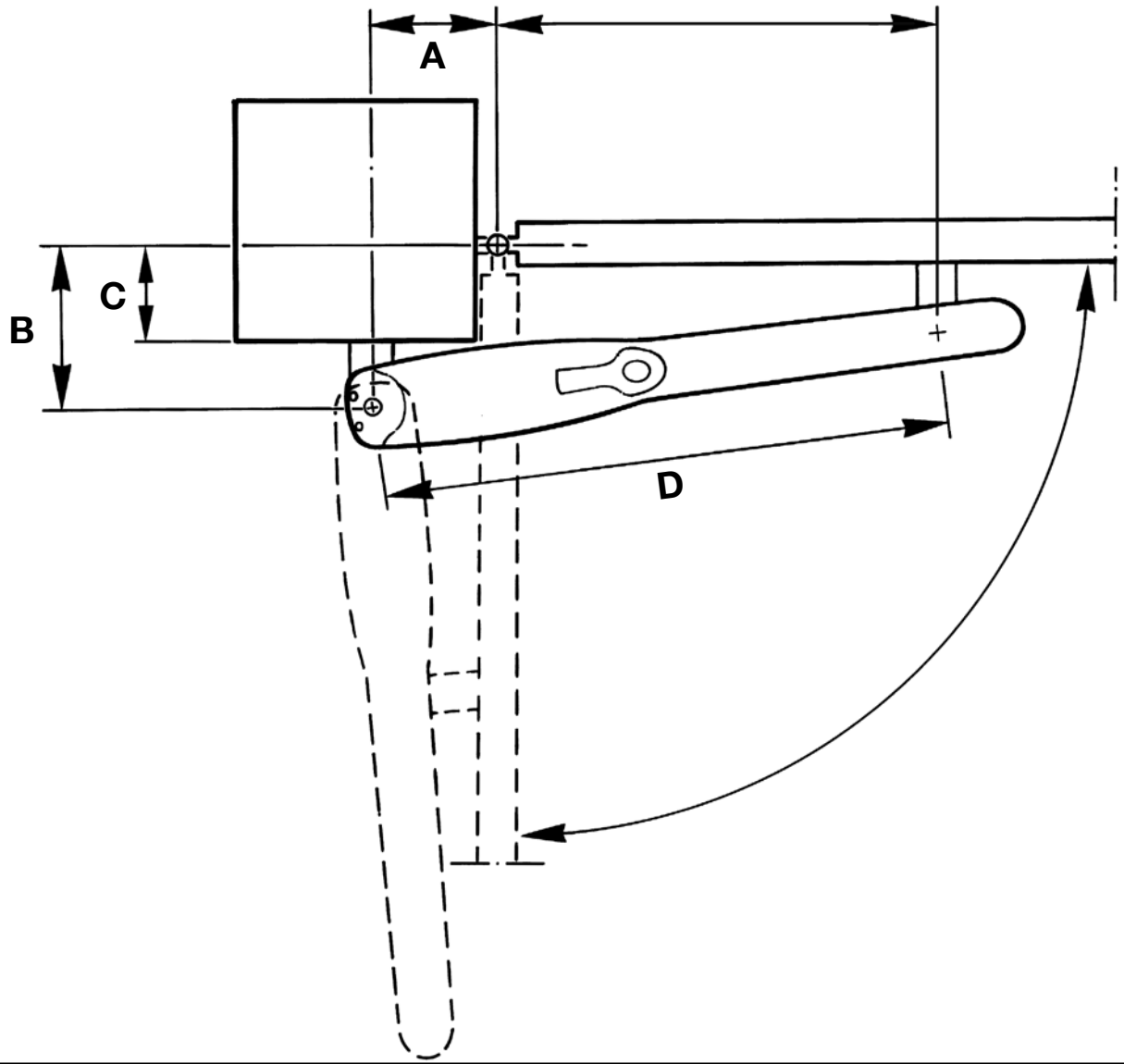

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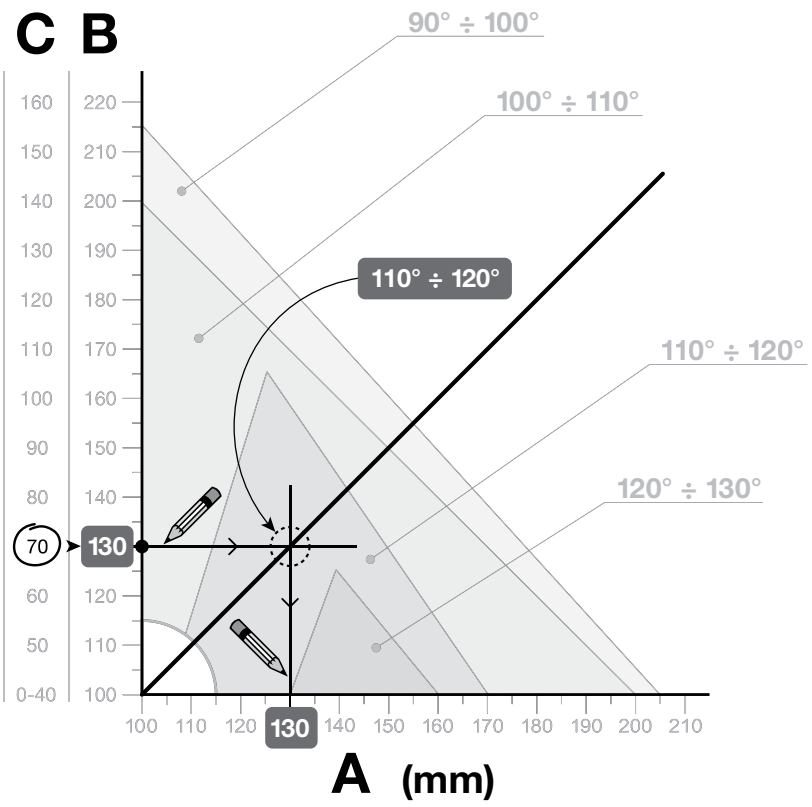
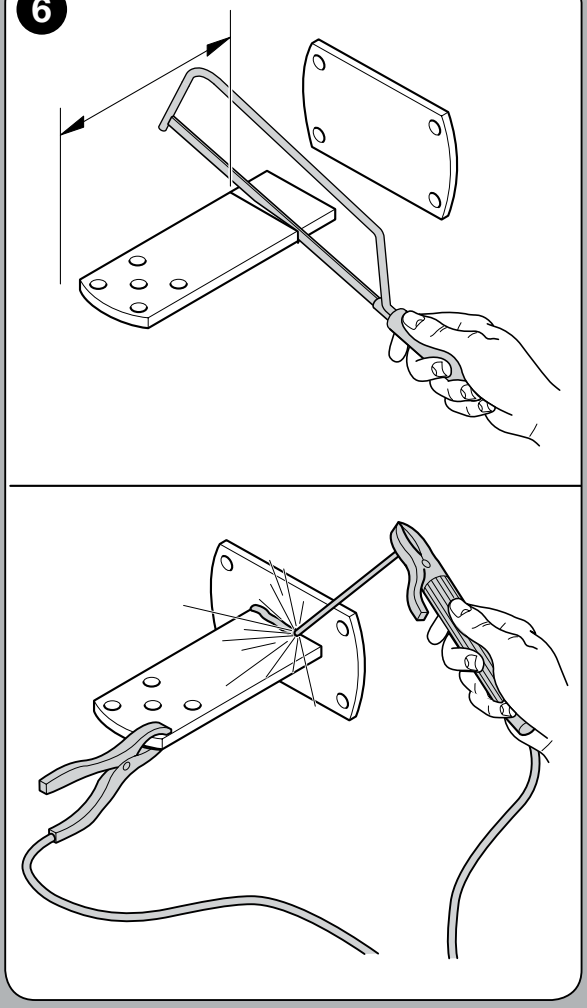

C B
90° ÷ 100°
100° ÷ 110°
110° ÷ 120°
110° ÷ 120°
120° ÷ 130°
160 220
150 210
140 200
130 190
120 180
110 170
100 160
90 150
80 140
70 130
60 120
50 110
0-40 100
100 110 120 130 140 150 160 170 180 190 200 210
A (mm)

6



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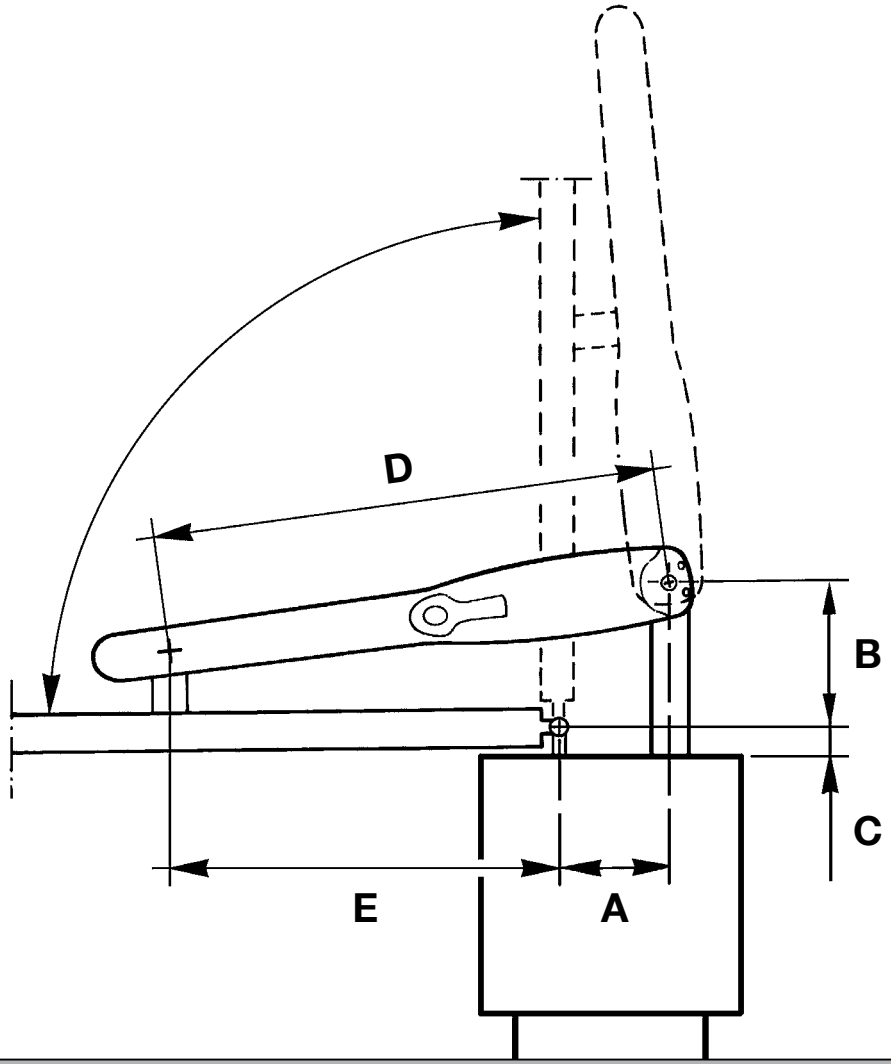
D
B
C
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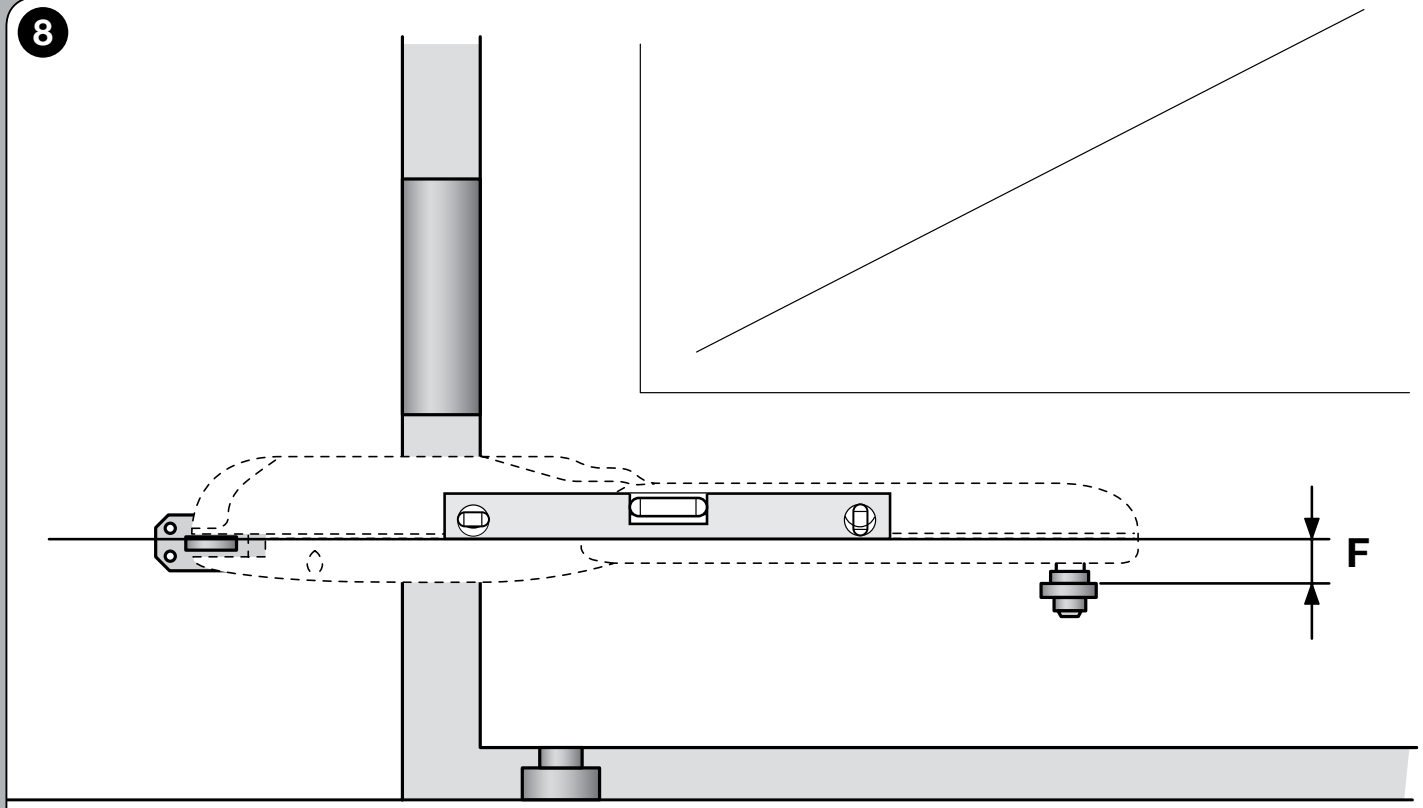
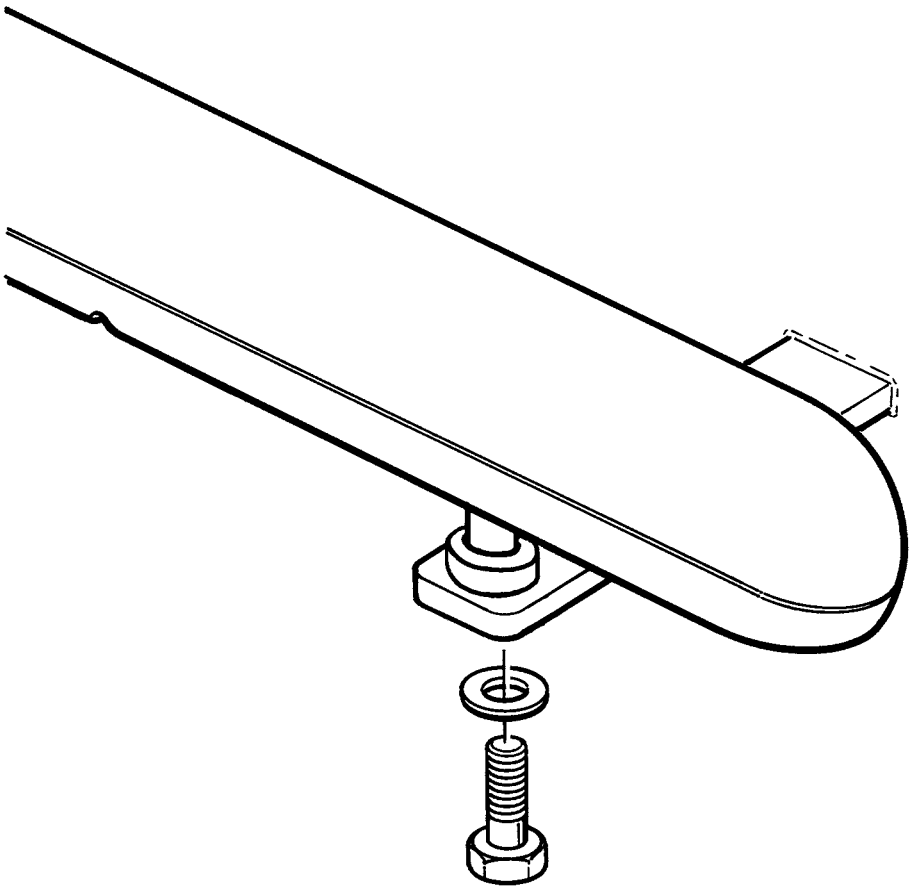
8



WG4024 - WG4000 - WG4000/V1: F = 30 mm

WG5024 - WG5000 - WG5000/V1 - WG3524HS : F = 30 mm

9



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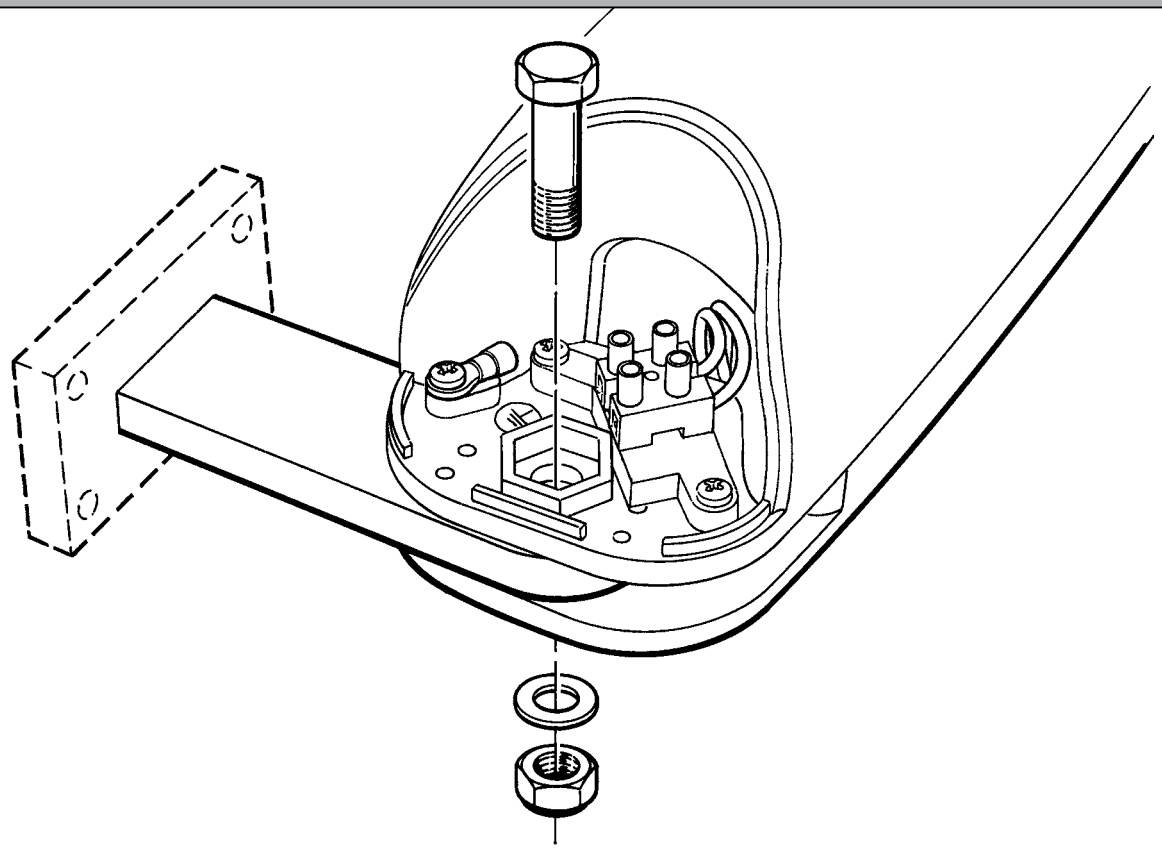

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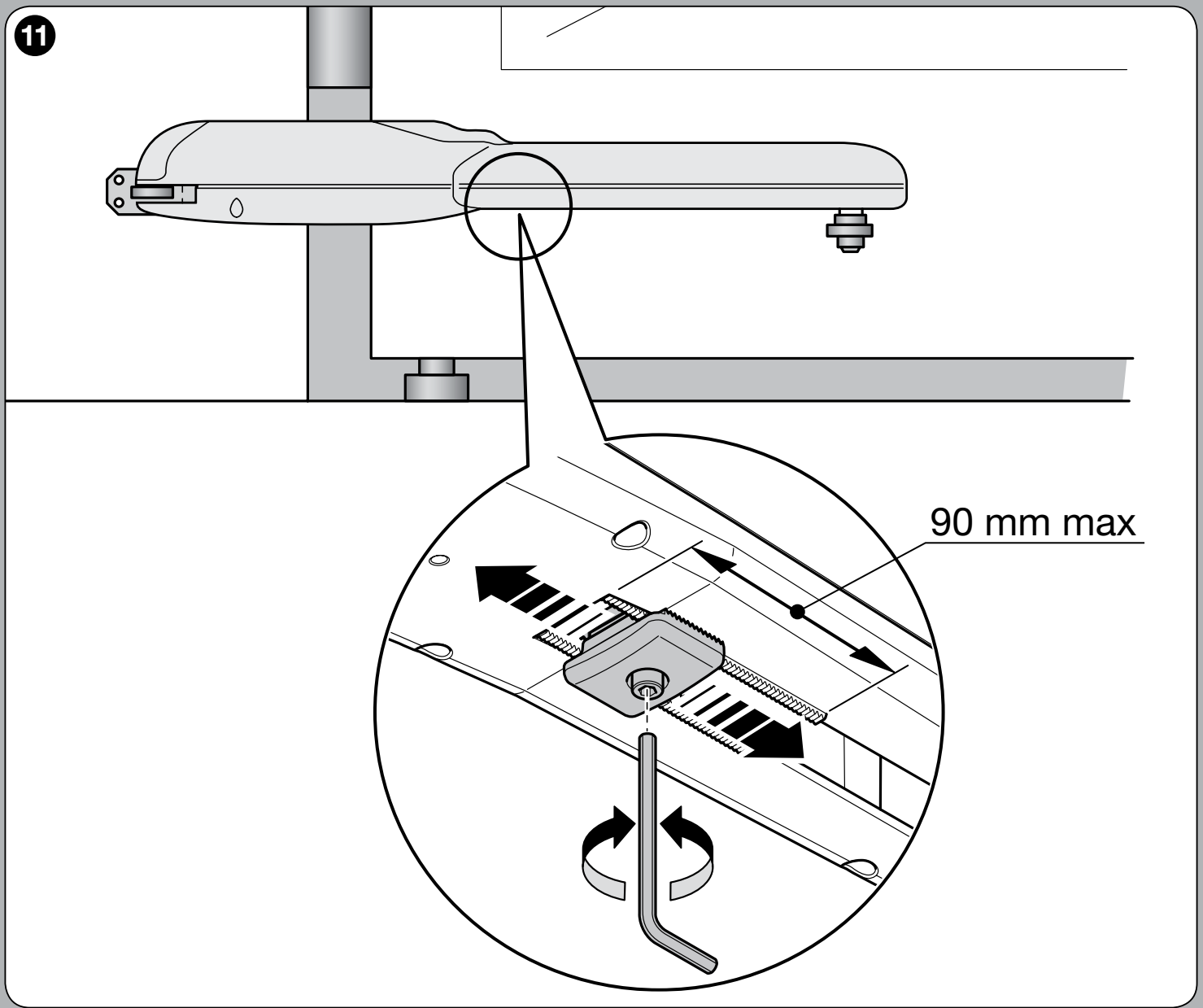

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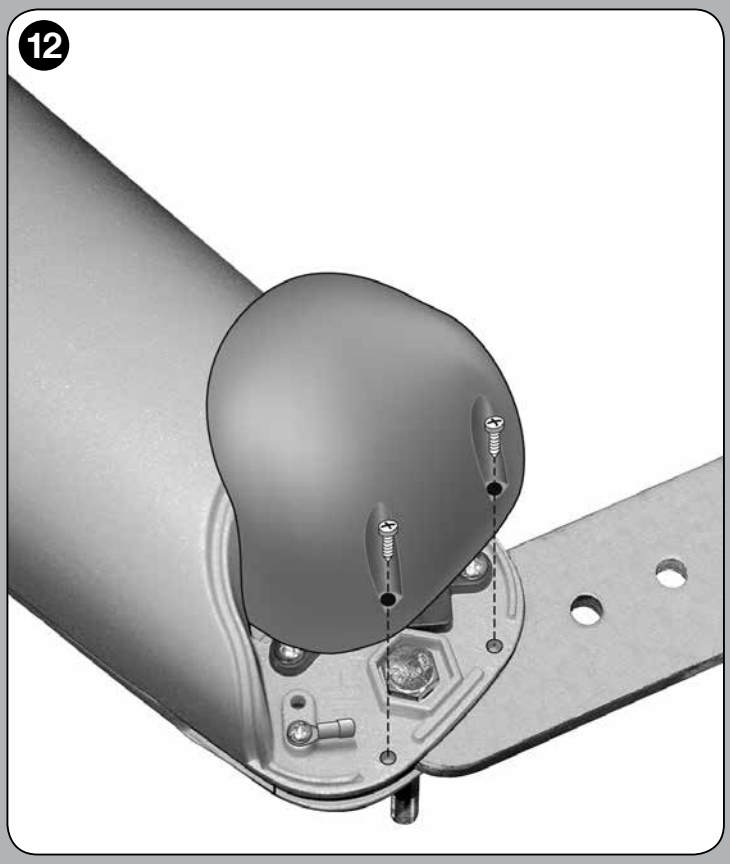

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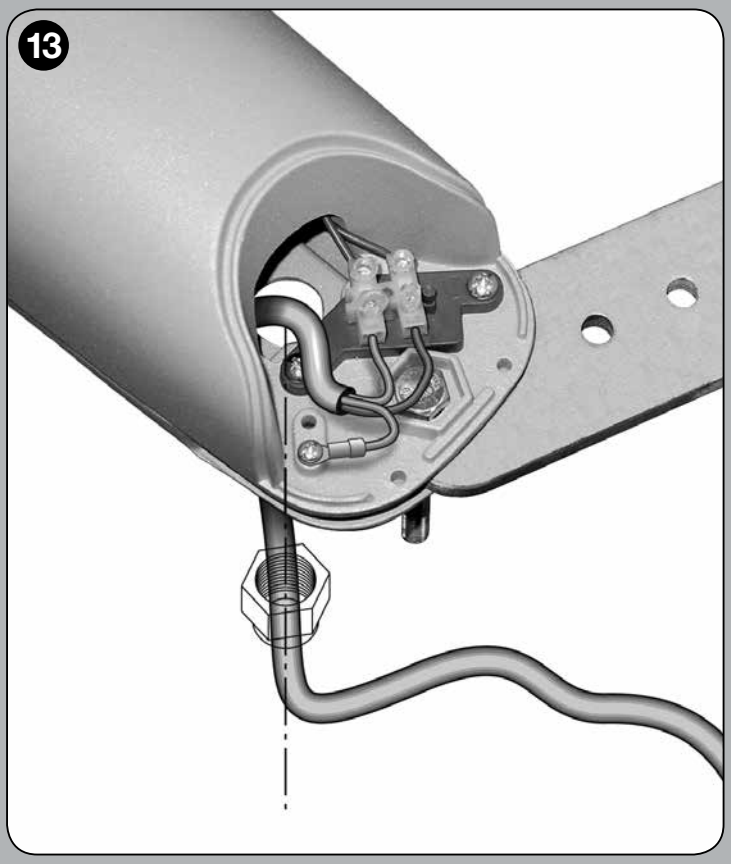

14

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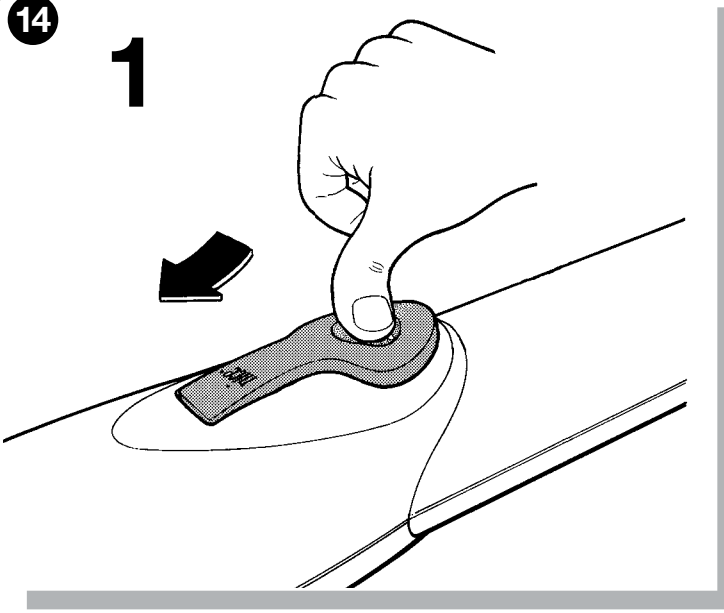

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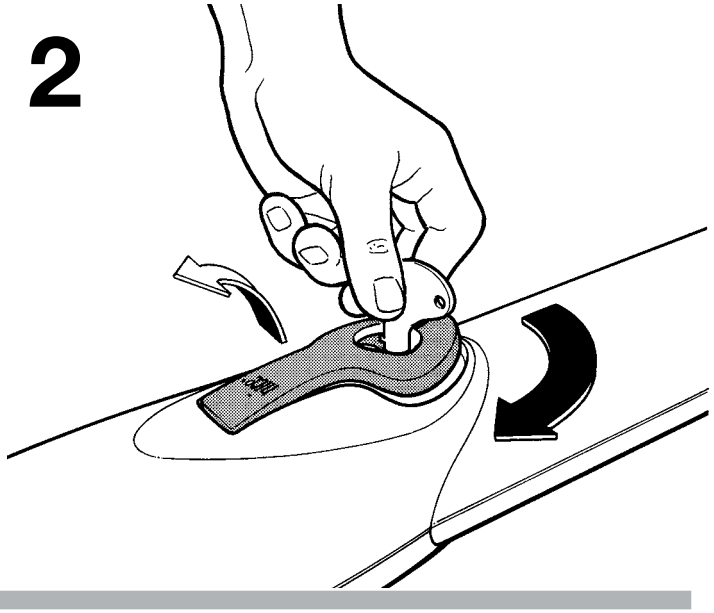

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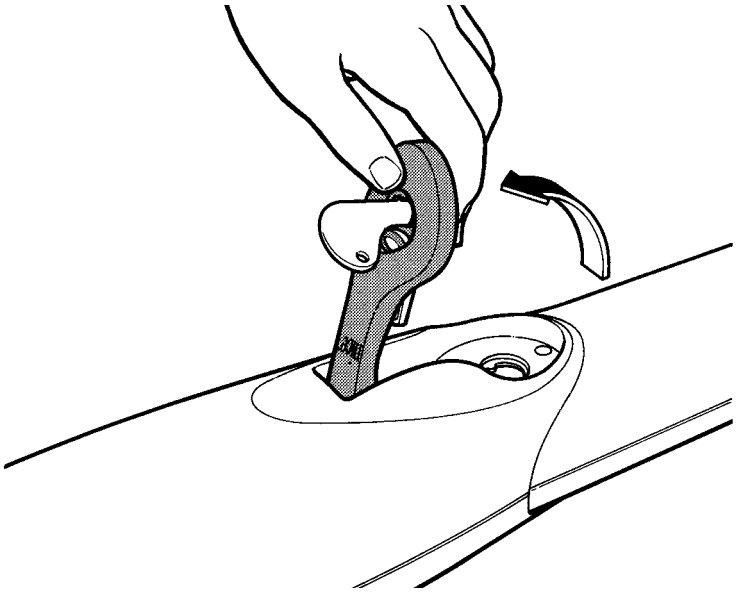

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Nice

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