



GMS
N A W O J O W A



OVERHEAD DOORS ASSEMBLY MANUAL



Designed to serve

Please read the manual carefully and follow its instructions. Manual contains the information necessary to guarantee safe installation and use, as well as a proper maintenance of the overhead door.

1. IMPORTANT INFORMATION

- a) Assembly and installation of the gate can only be completed by a **competent** person.
- b) Prior to the start of assembly, read the entire manual.
- c) Do not open the gate without suspension of tracks.
- d) Please preserve this manual.
- e) Do not modify or remove any of the overhead door's assemblies, as it may cause damage to the parts which ensure safe use of the overhead doors.

2. PURPOSE

The gate is designed for the closure of private garages, it perfectly functions as a part of individual buildings, as part of door system in housing garages and serves for light industry as well.

3. TERMS OF USE AND SAFETY

- a) During the process of assembly, health and safety regulations regarding following works must be observed: assembly, locksmith works, works which involve power tools which depends on the assembly technology used
- b) Do not install any additional fillers or elements of thermal insulation without consulting the manufacturer first.
- c) Springs are perfectly adapted to the weight of the gate's shell and installation of any additional elements may cause the overload and malfunction of the gate.
- d) All installations of the electrical kind must be carried out according to existing provisions of ones country. All electrical works must be performed only by qualified installer.
- e) The gate opens by using the movement of the shell by the curve just in line with the rolls of tracks. Leaves on the way of track movement should not posses an obstacle. Make sure that during the movement of wing there are no objects or people (especially children) on the way.

WARNING! Accident danger.

4. INSTALLATION CONDITIONS

- a) Overhead doors Protect and Classic are products designed for installation inside the hole; overhead door Optima is designed for installation behind the mounting hole. Overhead doors can be mounted to the walls of reinforced concrete and to frames made of bricks or steel. Premises, destined for the installation of doors should be completely finished and walls plastered. The walls must not have any errors in workmanship.
- b) Both side walls of the hole, the front wall and the lintel parts of the door must be vertical.
- c) The plane of the upper hole (under lintel) should be horizontal and parallel to the floor.
- d) The floor within the threshold of the door should be leveled and constructed in a way to ensure drainage.
- e) Proper functioning of the gate is largely dependent upon its proper installation.
- f) The manufacturer of the gate shall mount the garage doors basing upon an additional order from a client or he will recommend an authorized installation company.
- g) In the case the user is performing assembly himself, it is essential to follow the instructions of this manual to avoid any malfunction of the gate, it premature deterioration and possible loss of warranty
- h) It is necessary to provide adequate ventilation (drying) in the garage.
- i) Before performing plastering works, overhead door must be secured, because chips of plaster, cement, gypsum, etc. do leave stains.
- j) Before its installation, one must necessary check the measurements (width and height) of the hole where the gate will be installed.
- k) Gate must be protected against aggressive and corrosive substances, such as ones derived from the bricks or mortar nitrate compounds, acids, alkalis, salt, aggressive lacquers or sealing materials. Otherwise, it causes corrosion danger.



- l) If during mounting process of the gate components of different manufacturers or suppliers are used, during the installation of the gate, these parts are regarded as the product of the producer.
- m) One may not modify or delete any element of the door. This may cause damage to the parts of the gate which ensure its safe use. No change in components of the gate is allowed.
- n) The gate should be applied and used according to specifications. Selection and use of gate in the construction processes should be based on their technical facility, developed according to applicable regulations and standards.
- o) Installation of electric propulsion for the gate must be performed by professional installer or competent person; one must also follow the instructions - how to install propulsion.

WARNING!

The manufacturer recommends using an automation of LiftMaster.
Detailed information about the available models of automation is available on
www.liftmaster.pl

5. TERMS AND DEFINITIONS

Explanation about warning signs used in the manual:



Information sign
a sign that indicates an important information



Warning sign
a sign that indicates warning

6. INSTALLATION INSTRUCTION FOR OVERHEAD DOORS

- a) Installation should be performed by qualified service personnel.
- b) Please read this installation instruction before installation.
- c) Warranty of manufacturer is not valid if the installation was performed incorrectly.
- d) Before installation check the measurements of the mounting hole.
- e) All the steps described bellow for the assembly of overhead doors must be followed carefully.



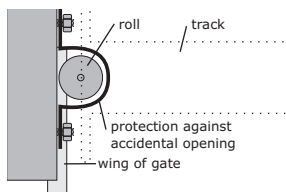
Please be careful when opening doors for self-completion (it causes more tension for springs).



It is forbidden to lift the garage doors using the spring!



The gate is secured during transportation to prevent it from accidental opening. When performing installation one must first remove a security element from the roll, screw the top track, then remove the other security element and screw the other track. This information does not apply for gate Compact.



Overhead doors **PROTECT, CLASSIC**

Prior to assembly, it is desirable to estimate the light of the mounting hole. Garage doors Protect and Classic should be inserted into the hole in the way presented below.

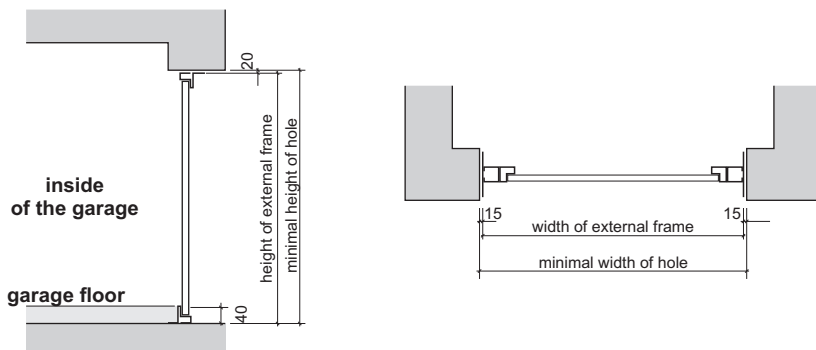


Figure 1 Installation of the garage door into the mounting hole

1. The first step is to mount the handle and lock of the door.
2. Mounting plates, depending on assembly method, should be screwed to the frame (Fig. 1). When using other fastening elements, make sure they are at least as strong as those provided by the manufacturer.

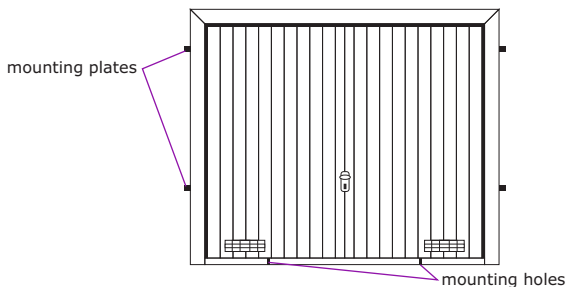
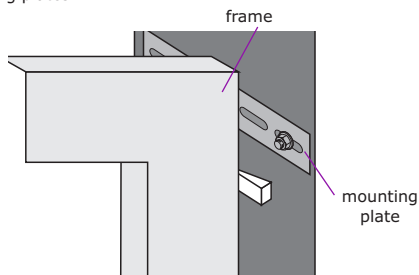
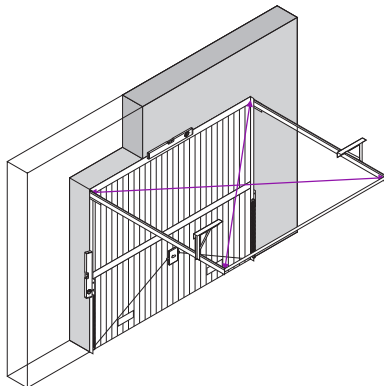


Figure 2 Mounting of mounting plates

3. Gate is to be inserted into the hole and secured against fall.
4. Temporary plates (due to the subsequent adjustment required) should be screwed to the lintel. Mounting bolts are recommended here.
5. Level the frame to the wing of the gate.
6. Tighten the screws carefully to avoid bending of the frame.



7. Ceiling track should be lifted and secured against the fall; mounting brackets should be removed, cut to the level of the ceiling and reassembled. Tracks leveled appropriately. Be sure to keep the slide toward the back of the track at about 30 - 40 mm. Tracks must be made parallel to each other and perpendicular to the top of the frame profile. Installation has been properly carried out, if when the gate is in the open position it is situated horizontally and at both sides reclines at metal bumpers.

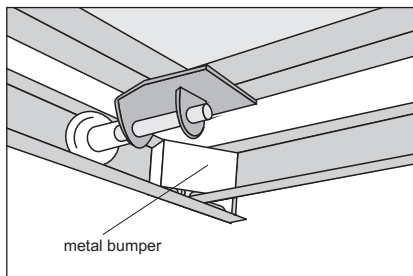


8. Screw tracks with mounting brackets and wall brackets to the walls (for installation in the hole) or to the ceiling (if installation is suppose to be behind the hole.) Wall brackets are to be shortened in accordance with height of the ceiling.



In case door is equipped with automatic, rear beam is to be removed

9. Metal bumpers are to be placed in the tracks, in holes intended for this purpose. They will prevent from throwback of the gates.
10. For the gates with lower threshold one must screw some part of threshold in the areas which are closest to floor tapping and where holes will fit into the right places. Then screw gates with dowels carefully not to bend the threshold (it is recommended to drill three holes).
11. Carefully open the gate and leave the bolts in the open position.
12. Perform a test by controlling the gate while its opening until it is fully open, estimate the proper tension of the springs, in its final phase of closing, wing should lightly press against the bottom, while during opening the wing should open almost automatically, but do not hit the bumpers.



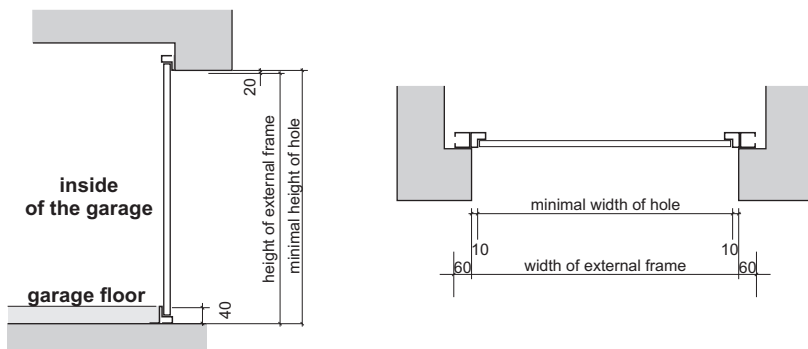
Changes in tension of springs may only be performed by an authorized service provider.

13. After installation one should check all the parts of the gate and fastening elements for the completeness and accuracy of their performance. Door wing is filled with tin-coated steel and acrylic paint, as well as additionally covered with protective foil. Remove the protective foil from the door immediately after installation is over. Otherwise, any damage to the fill will not be regarded as ground for complaint.



Overhead garage door OPTIMA

Prior to assembly, it is desirable to estimate the light of the mounting hole. OPTIMA garage door should be inserted behind the mounting hole in the manner presented below.



1. The first step is to mount the handle and lock of the doors.
2. Mounting plates, depending on assembly method, should be screwed to the frame (Fig. 1). When using other fastening elements, make sure that they are at least as strong as those provided by the manufacturer.

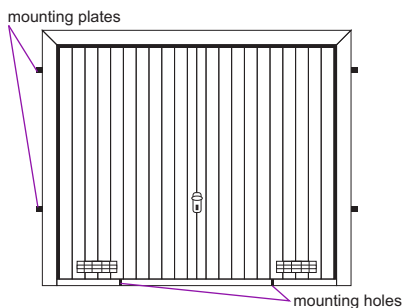
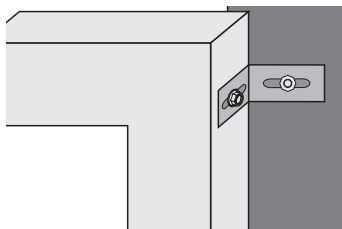
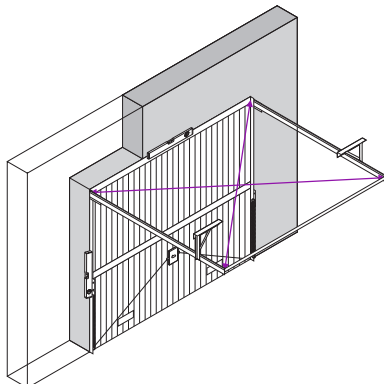


Figure 4 Mounting of mounting plates

3. Gate is to be put behind the hole of gates and secured against fall.
4. Temporary plates (due to the subsequent adjustment required) should be screwed to the wall. Mounting bolts are recommended here.
5. Level the frame to the wing of gate.
6. Tighten the screws carefully to avoid bending of the frame



7. Ceiling track should be lifted and secured against the fall; mounting brackets should be removed, cut to the level of the ceiling and reassembled. Tracks leveled appropriately. Be sure to keep the slide toward the back of the track at about 30 - 40 mm. Tracks must be made parallel to each other and perpendicular to the top of the frame profile. Installation has been properly carried out, if when the gate is in the open position it is situated horizontally and at both sides reclines at metal bumpers.

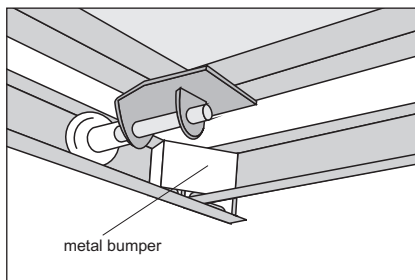


8. Screw tracks with mounting brackets and wall brackets to the walls (for installation in the hole) or to the ceiling (if installation is suppose to be behind the hole.) Wall brackets are to be shortened in accordance with height of the ceiling.



In case door is equipped with automatic, rear beam is to be removed

9. Metal bumpers are to be placed in the tracks, in holes intended for this purpose. They will prevent from throwback of the gates.
10. For the gates with lower threshold one must screw some part of threshold in the areas which are closest to floor tapping and where holes will fit into the right places. Then screw gates with dowels carefully not to bend the threshold (it is recommended to drill three holes).
11. Carefully open the gate and leave the bolts in the open position.
12. Perform a test by controlling the gate while its opening until it is fully open, estimate the proper tension of the springs, in its final phase of closing, wing should lightly press against the bottom, while during opening the wing should open almost automatically, but do not hit the bumpers.



Changes in tension of springs may only be performed by an authorized service provider.

13. After installation one should check all the parts of the gate and fastening elements for the completeness and accuracy of their performance. Door wing is filled with tin-coated steel and acrylic paint, as well as additionally covered with protective foil. Remove the protective foil from the door immediately after installation is over. Otherwise, any damage to the fill will not be regarded as ground for complaint.



Overhead garage door COMPACT

Prior to assembly, it is desirable to estimate the light of the mounting hole. COMPACT garage door can be mounted both into the mounting hole and behind the mounting hole. (see Figure 1 and Figure 3).

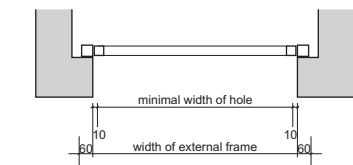
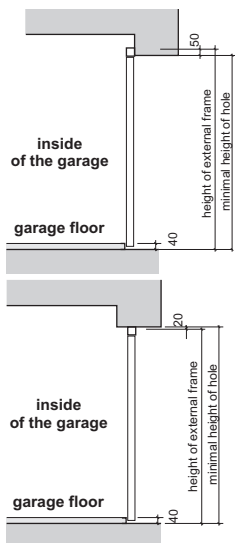
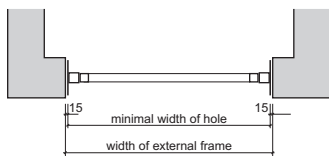


Figure 1 Installation of the gates behind the mounting hole



Rys. 2 instalacja bramy w otworze montażowym

1. The first step is to mount the handle and lock of the doors.
2. Mounting plates, depending on assembly method, should be screwed to the frame (Fig. 1). When using other fastening elements, make sure that they are at least as strong as those provided by the manufacturer.
3. Gate is to be inserted and secured against fall.
4. Temporary plates (due to the subsequent adjustment required) should be screwed to the lintel. Mounting bolts are recommended here.
5. Level the frame to the wing of gate.
6. Tighten the screws carefully to avoid bending of the frame
7. Gate COMPACT is equipped with removable threshold. When taking the decision to dismantle the threshold it should be remembered that the gap is going to appear between the closed wing of the gate and the floor. For the gates with lower threshold one must screw some part of threshold in the areas which are closest to floor tapping and where holes will fit into the right places. Then screw gates with dowels carefully not to bend the threshold (it is recommended to drill three holes).
8. Carefully open the gate and leave the bolts in the open position.
9. Perform a test by controlling the gate while its opening until it is fully open, estimate the proper tension of the springs, in its final phase of closing, wing should lightly press against the bottom, while during opening the wing should open almost automatically, but do not hit the bumpers.



Changes in tension of springs may only be performed by an authorized service provider.

10. After installation one should check all the parts of the gate and fastening elements for the completeness and accuracy of their performance. Door wing is filled with tin-coated steel and acrylic paint, as well as additionally covered with protective foil. Remove the protective foil from the door immediately after installation is over. Otherwise, any damage to the fill will not be regarded as ground for complaint.



7. SPRING TENSION ADJUSTMENT



To change the tension of springs, the wing should be set in the open position. Before adjustment, the door must be secured against fall. Change of spring tension may only be performed by an authorized service provider.

To adjust the springs, first check the voltage:

- Open the gate allowing the shell to rise up to the middle - the gate should remain in this position.
- If the shell of the gate will drop considerably, increase the voltage by adjusting the springs.
- If the shell of the gate clearly rises, voltage should be reduced by adjusting the tension of springs.

In the case of not carrying out the works mentioned above, there is a danger that the shell of the gate may drop unexpectedly and cause injury to people or damage the objects in its proximity.



The Company reserve the right to make changes to the materials used for production and structural changes resulting from technological progress.

8. TROUBLESHOOTING

- If the door shell resists or shows any other defects, you must follow the instructions of the manual and follow the procedure of maintenance.
- In case of any doubt, please contact the mounter or an authorized network of producer's service

9. ADDITIONAL REQUIREMENTS

After installation is finished, check that gate is provided with a nameplate according to the standard. In the case gate lacks nameplate - it must be mounted. After verification of gate functions the manual on maintenance and conservation of gate must be given to the owner of the gate.



The door panel is protected by protective foil. The foil must be removed from the gate no later than two weeks after the gate is installed. Failure to do so is going to result in a very strong adhesion of the tin foil to the gate under the influence of sunlight heat. Removal of foil will prevent from the adhesion of foil and any damage to the painted panels.

10. ENVIRONMENTAL PROTECTION

Packaging

The packaging products (cardboard, plastics, etc.) are classified as waste suitable for recycling. Before packaging is discarded one must make sure it complies with local regulations regarding the particular material.

Scrap equipment

The product consists of many materials. Most of these materials are suitable for recycling. Before throwing them out, those wastes should be sorted and afterwards delivered to the waste recycling point. Before disposal, follow the disposal requirements of local municipality concerning disposal of particular material.



Recycling of wastes saves resources and reduces the amount of waste.

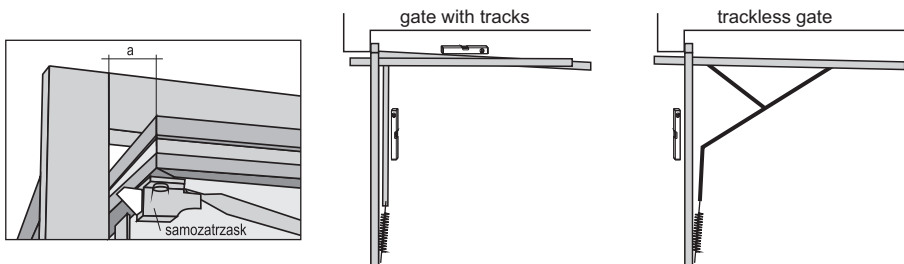
11. DISMANTLING

- Close and lock the gate.
- Release the tension of gate springs.
- Perform the steps of assembly manual in reverse order.

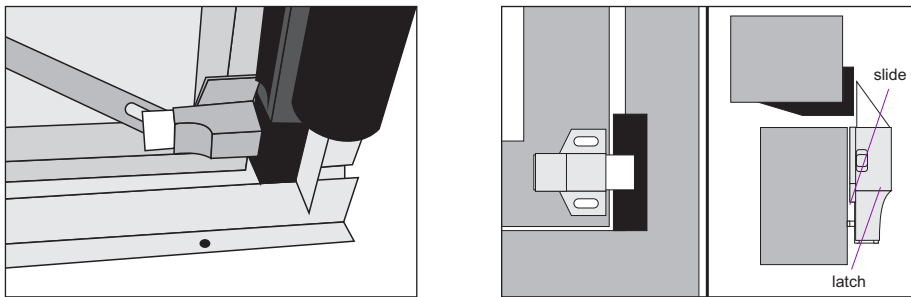


12. IMPORTANT INFORMATION

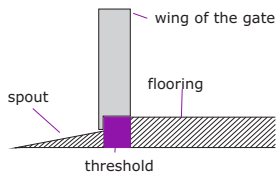
1. After installation of gate one should check if the space between the gate and the frame on both sides is equal when the gate is open.



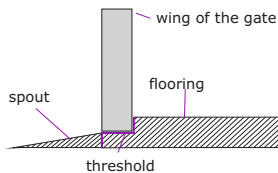
2. When open, the shell of gate should be at the level, latch should be extended beyond the frame, and rolls of track should match metal bumpers (if necessary one may adjust the bumper).
3. When closed, the gate should have about 2mm gap between the shell and threshold, and a slide mounted on the frame of the door should be set so that latch would work properly. If there is no gap the reason might be a badly screwed threshold.



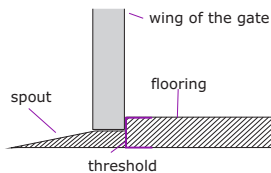
It is forbidden to drive into the garage before threshold (spout, flooring) is finished. This may cause damage to frame.



Threshold of Gate „Classic“, „Optima“ and „Protect 60/40“



Threshold of Gate „Protect 72/38“



Threshold of Gate „Compact“



13. CARE AND MAINTENANCE

- a) All maintenance tasks should be performed in accordance with the manual for Care and Maintenance of the gate. Any works related to alteration and repair of the gate should comply with BHP and recommendations from the manual for Care and Maintenance of the gate.
- b) Change of parts or components of the gate is not allowed.
- c) Do not open the gate without fixing tracks first (not applicable to the gate Compact).
- d) It is forbidden to obstruct the space of the gate movement. When closing or opening the door make sure that there are no subjects (especially children) or objects in the area of movement.
- e) Presence of people, vehicles or other objects in the area where gate is opening is forbidden.
- f) It is forbidden to stand, walk, run or drive in the area of gate movement.
- g) It is forbidden to use the gate with the purpose to lift objects or people.
- h) Do not allow children to play with the devices for the gate. Control boards of the gate should be stored away from children.
- i) It is forbidden to modify or remove any part of the door! This may cause damage to the parts that ensure safe use of the gate.
- j) It is forbidden to install any additional thermal insulation of wing panel without written agreement with the producer of the gate. Springs are specially manufactured for the weight of gate's wing and any additional elements mounted may cause overload of springs and malfunction of the gate.
- k) It is forbidden to use the gate in cases any irregularities of function or damage to the components of the gate are detected. One should stop using it and contact an authorized service center.
- l) After the installation, one should remove the protective foil immediately from metal shell of the wing. Failure to do so is going to result in a very strong adhesion of the tin foil to the gate under the influence of sunlight heat. Removal of foil will prevent from adhesion of foil and any damage to painted panels.
- m) Electric gates should be opened in accordance with the instructions for Care and Maintenance of propulsion.
- n) Gate must be protected against harmful agents and metal coatings, including caustic agents such as acids, alkalis, salts.
- o) Gate must be protected against splashes of plaster, paints and solvents, during the building or renovation processes.

Open - open the gate manually only by means of handles or special holders intended for this purpose external or internal ones. Improper handling may cause an accident.

Closing - the gate must be closed manually by vigorous push of wing handle causing self-latching bolts to catch the elements of the frame.

Locking (lock) the gate - standard gates are equipped with locks for cases gate does not have propulsion, and then one can bolt the doors by removing the key from the lock to allow automatics to turn the handle in closed position. When closing the door by using the lock one should notice that doors are closed when levers are facing down.

Unlocking (lock) the door - use the key or lock bolt- from outside - turn the key 360 degrees in a clockwise direction, from inside - the bolt lock located next to the lock should be moved down with one hand simultaneously turning the handle with the other hand.



If equipped with automatic gates, follow the instructions of the propulsion.

Overhead doors are not intended to be used:

- In an explosive atmosphere,
- As a fireproof barrier,
- In humid premises,
- In the areas with chemical substances harmful to coatings and paints,
- In areas under direct influence of sun if the wing of the gates is in dark colour,
- As the supporting structure of the building.



14. INSTRUCTIONS FOR RUNNING MAINTENANCE

These operations are feasible for Owner after he have examined manual closely.

The external surface of the gate wing should be cleaned with a sponge and clean water or available cleaning agent for the lacquer. Do not use cleaning utensils that may scratch the surface, sharp tools or cleaning agents that contain Nitro Solvent.

Control works should be carried out at least once every 6 months. These works include:

- Lubrication of tracks with silicone oil before using the gate and, if necessary, during working condition. Amount of lubricant required for gate to start functioning is provided by the producer, namely, included in mounting set.
- Do not oil the inside of drum lock. If it is necessary, lubricate it with the graphite grease.
- During the control works, it is needed to verify the fastening elements that mount the gate to the wall, the bolts (screws), rolls of the tracks, in case of any irregularities detected, damaged parts ought to be removed immediately, it is forbidden to continue using the gate prior to removal of damage parts. In case of any malfunction or damage to the components of the gate, one should stop using gate immediately and contact an authorized service centre.



The doors are equipped with latches which are not intended to be lubricated.

Maintenance service should be carried out at least once every 12 months. Conservation works ought to be done only by an authorized service.

After about 5000 cycles, but no later than 12 months one must conduct following works:

- a) Pivot points should be sprayed with silicone, and tracks cleaned and sprayed with silicone spray as well.
- b) Do not oil the lock, if it is necessary, use a graphite grease.
- c) Lubricate a hinge connection
- d) Ensure adequate water drainage and adequate ventilation to prevent the process of water vapor condensation (lack of proper ventilation may cause corrosion of the door),
- e) Verify that rolls are spinning during the process when shell opens or closes. If rolls oppose or do not spin at all, check their state, castors in particular.
- f) Gate should be protected from contact with corrosive substances like acids, alkalis, saline solutions and others.
- g) Steel doors have ultimate, high-quality polyurethane coating therefore they do not require any additional treatment. To clean the surface of the steel doors usage of delicate household detergents is recommended
- h) Traces of rust should be removed immediately.
- i) Bolts and fittings must be checked and if necessary tightened.
- j) Verify for the depreciated parts and replace them if necessary with new, original ones.
- k) Check the tension of springs. If necessary, change the tension of springs, following the installation instructions described in section 7.
- l) Pack of springs should be replaced after approximately 10 000 cycles. In average this occurs in a following way - 0 to 5 openings a day - after 6 years 6 to 10 openings a day - after 3 years, 11 to 20 openings a day-after 2 years



Protocols and notes about maintenance and repair works performed should be stored together with the warranty card.

Operations which do require assistance of professional mounter

Any alterations and modifications made to gates. Any modifications must be first harmonized with the manufacturer in writing. Otherwise the warranty card is not valid.



1. Any complaints about the products ought to be reported to the vendor-company from which this product was purchased.
2. Seller gives warranty for a period of 12 months from the date of sale. Any deficiencies detected in this period of warranty will be repaired free of charge. Time of repair is 14 days from the date when product is delivered, or 21 days after complaint is written. The warranty period shall be extended basing upon the time spent for repair.
3. All repair works during warranty period are performed by specific and appropriate means to remedy a defect and all those works are covered by warranty. The parts of product that show material deficiencies and deficiencies of construction, and in our opinion are therefore not suitable will be repaired or replaced by new ones. Replaced parts will become property of producer.
4. The warranty does not cover:
 - products which were installed by anyone other than authorized by the producer
 - products installed contrary to instructions
 - products which are damaged mechanically, thermally, chemically, and all the others that have been damaged by an act or omission of user, or an external force, etc.
 - damage caused by:
 - alterations and changes in structure performed by the user or any third party,
 - misuse
 - the use of faulty products,
 - use of non-original materials or accessories,
 - inadequate transportation,
 - Maintenance equipment, replacement of parts that have defined lifecycle (eg, rolls).
5. The buyer will loose the warranty in the case he fails to make payments on time.
6. To take advantage of the warranty, buyer must notify the seller by completing the complaint form of the producer in writing and handing it in within 3 days from the date when deficiency is detected.
7. The warranty covers only the gates mounted on territory of Poland.
8. Warranty conditions include – presenting a completed and stamped warranty card with the following items:
 - The date of sale, invoice number, stamp and signature
 - Serial number
 - Date and place of assembly
 - Seal and signature of the distributor





GMS Nawojowa service - designed to serve!



We have a network of authorized installers throughout the country. Call us and we'll give you a phone to your nearest representative, who will accurately measure and help in choosing the right product.

If you have any questions, please call us. We are pleased to advise you which solution is best for you and we'll help you find the right options.

Our installers mount your new garage door and give you all the details of the principles of its operation and maintenance.



GMS Nawojowa

33-335 Nawojowa 503

tel. +48 18 445 70 83 • fax +48 18 445 70 93

biuro@gms-nawojowa.pl • www.gms-nawojowa.pl