



INDUSTRIAL DOORS



- ✓ ALL DOOR ELEMENTS ARE DEVELOPED TAKING INTO ACCOUNT CLIMATIC CONDITIONS
- ✓ DOORS MEET THE HIGHEST QUALITY STANDARDS



SIX ADVANTAGES FOR YOU

6 MAIN ADVANTAGES FOR YOU



PROMPT PRODUCTION

Due to in-house fabrication, DoorHan can promptly produce industrial doors of any structure.



FUNCTIONALITY AND LONGEVITY

The unique structure of DoorHan industrial doors allows you to withstand intensive operation in any climatic conditions.



MODERN SOLUTION FOR BUSINESS

DoorHan panoramic doors are an optimum solution for projects, where it is required to provide maximum view of inner or outer space.



FUTURE TECHNOLOGIES

The application of innovative section "T-bridge" in DoorHan industrial panoramic doors allows you to protect them from frost penetration, corrosion, and to preserve their attractive appearance for a long time.



USABILITY

Owing to the reasonable internal structure of DoorHan industrial doors, they are easily mounted without using special tools.



RELIABILITY AND SAFETY

DoorHan industrial sectional doors are an embodiment of modern technologies and materials. Modern safety aids make them a reliable solution.





QUALITY IN DETAIL

ENERGY CONSERVATION



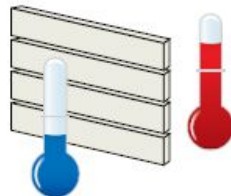
The special structure of DoorHan industrial doors make them energy-saving, which allows you to conserve space heat and microclimate, and also to reduce heat losses and costs for room heating.

STRENGTH



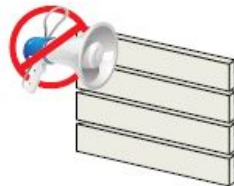
Due to materials, used for production of DoorHan industrial doors, they possess increased strength and can withstand severe wind loads.

AIRTIGHTNESS



The door leaf structure and the sealing system increase door airtightness. Space behind the doors is not subjected to draught and sudden temperature fluctuations. It is extremely essential for spaces, where products are warehoused, and for which storage it is necessary to preserve the microclimate.

ACOUSTIC INSULATION



Industrial doors possess not only the thermal-insulating properties, but also sound-proofing ones - they prevent the penetration of sound from the street.

PRODUCTION

WORTHY OF YOU QUALITY

DoorHan organized the full cycle production of industrial sectional doors. Due to this, we answer for the product quality. High operational characteristics of our industrial doors are laid down already at the design stage. The work of the company's specialists allows it to develop doors oriented to any conditions – a large fluctuation range of seasonal temperatures and other specific features.



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Our production is an embodiment of modern technologies and materials. We are constantly improving and developing, moving with the times and offering doors, meeting the modern requirements.



Leaders of their professions work in our company at all stages: from doors designing to their installation. We take care of our workers' qualification, as their responsibility and professionalism are our guarantee of product and service quality.

All component parts of DoorHan industrial doors are made on the certified world-level equipment. All door constituents pass tests for compliance to world standards.



In modern world high demands are placed on ecological cleanness of manufacturing and products. Therefore DoorHan uses ecologically pure and high-quality materials.



Our industrial sectional doors are designed for high intensity and long service life; that is why we use high-quality materials: modern superalloys and paint materials from leading world producers.



At your desire it is possible to paint panels into any color or as per the international RAL card. During paintout the colors can be distorted, please use the original RAL card.

DoorHan offers a rich selection of color solutions for industrial doors. The absolute advantage is not only a wide choice of colors, but the quality of paint materials. Sandwich-panels and aluminium sections are factory-painted at the specialized paint lines.

INDUSTRIAL SECTIONAL DOORS ISD01

Modern sandwich panels are used for leaf filling of doors ISD01.



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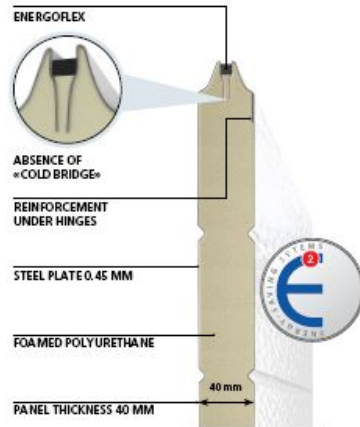
DoorHan industrial sectional doors are an ideal solution for business and production. They possess increased endurance and can be made for any room constructions. Special technologies are used to ensure the long-term fail-free operation with high intensity. Special elements, which increase their reliability and wear resistance, are provided for in the structure of doors and guides. DoorHan in its doors realizes the most advanced technologies; thereby they possess the unique service performance.

The sealing system is used in DoorHan industrial doors; owing to it, the increased thermal insulation is provided. Industrial sectional doors contribute to heat conservation. The maintenance of favourable temperature conditions is an important concern of enterprises in winter.

RELIABLE SOLUTION



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The construction feature of a DoorHan sandwich panel is the absence of a "cold joint". Front and rear metal sheets of DoorHan panels are not rolled over (not connected against each other). Due to the open circuit, there is no freezing of a sandwich panel; energy conservation is considerably increased.

DoorHan sandwich panels can be painted any color as per RAL card, and they have different surface types: standard ribs or smooth surface, with central rib or microrib texture.



PANEL TYPES



Surface types



At your desire it is possible to paint panels into any color as per the international RAL card. During printout the colors can be distorted, please use the original RAL card.

8 standard colors



Foamed polyurethane, a modern, durable, non-moisture absorbing insulant, is used as filler in DoorHan panels. Panel thickness - 40 mm, it is optimum for use in any climatic conditions.

Another construction feature - availability of reinforcement under hinges: steel plates, which provide the increased strength of joints and strengthen stiffness and burglary resistance of doors.



AUTOMATIC EQUIPMENT (OPERATORS AND ACCESSORIES)



COMFORT

Automatized systems make doors a modern high-tech product, which eases the door opening and closing process.

DOORHAN SHAFT OPERATOR



DoorHan shaft operator are an ideal solution for industrial doors of any type. Electric operators, model Shaft-30/60/120, are operators of shaft type with gear in "oil bath". This technology considerably increases the operator life and allows you to use it more intensively.

The operator consists of an electric motor and a mechanical gear, and also has a built-in control unit. A three-position control desk is connected to the control unit. When there is a power dump, a manual emergency release permits to open or to close the doors manually by means of a chain.

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TRAFFIC LIGHTS



Traffic light is used as a signaling means for traffic handling. Its casing is made of high-quality plastic.

**THREE-POSITION CONTROL DESK**

The three-position control desk is designed for individual control of door motion with a separate button for door stopping.

TWO-POSITION CONTROL DESK WITH KEY-BUTTON

The two-position control desk with a key allows you to handle traffic and to prevent unauthorized door control.

REMOTE CONTROL PANELS

The remote control panels DoorHan Transmitter 4 are designed for controlling DoorHan automatic equipment or any other device, to which DoorHan radio receiver is connected. One can control four doors (barriers or other automatic devices) by one panel.

OPTOELECTRONIC SENSORS

The optoelectronic sensors Optokit include two infrared safety sensors - a receiver and a transmitter. Both sensors are laid in a molded rubber strip. When the molded rubber strip is deformed, the optical ray is interrupted and the signal is given to the control unit, which performs the stop or reversal of the doors.

KEY-BUTTON SWM

The key-button SWM is used for add-on assembly. It possesses the same properties as KEY-SWITCH. The key-button SWM is singled out by its reliability due to the metallic vandal-proof casing and the rear water-proof wall, which prevents moisture from penetrating into the casing. The key-button is easy to install and to connect.

RADIO CODE KEYPAD

The radio code cordless keypad is designed for control of the door electric drive, equipped with DoorHan built-in or external receiver. The control radio commands are issued only after the serial input of a programmed access code. The code keypad is easy to install and to adjust.

PHOTOELECTRIC DETECTORS

The photoelectric detectors PHOTOCELL are designed for prediction of emergency situations, if foreign elements get into a doorway. In case of infrared ray crossing, the signal about appearance of an obstacle comes into the control unit, as a result of which the stop or reversal of the door leaf occurs.

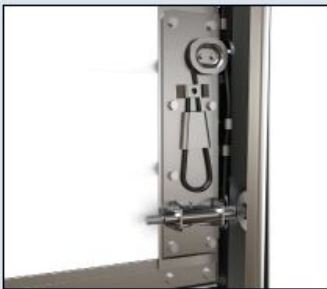
KEY-BUTTON KEYSWITCH

The key-button KEYSWITCH allows you to send a signal for door opening, closing or stopping, by having turned the key. To end the command, release the key - it will return to its initial position. The key-button has a mechanical interlock, which does not allow you to remove a cover without the installed and turned key.

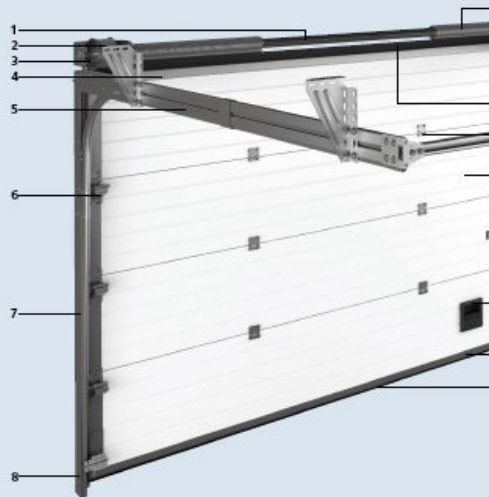
EXTERNAL RADIO RECEIVERS

The external radio receivers DHRE-2 are designed for controlling automatic equipment of other manufacturers by means of DoorHan panel. The connection to any operator is possible.

PROTECTION AND RELIABILITY



Cable break safety device. When the cable is broken or when there is an attempt to lift the doors without authorization, the device engages the strip, mounted on the door leg. At the same time the leaf is blocked. Consequently, the doors fall or their unauthorized lift is prevented.



Sectional door construction

- | | |
|---|---|
| 1. Connecting coupling | 13. Electric shaft operator Shaft-30 |
| 2. Shaft | 14. Special stops |
| 3. Drums | 15. Top seal |
| 4. U-type end support bracket | 16. Hinges |
| 5. Top section | 17. Door leaf made of sandwich panels |
| 6. Tracks for door leaf | 18. Lock |
| 7. Adjustable bracket with rollers | 19. Side cover |
| 8. Vertical angle | 20. Handle |
| 9. Bottom cover | 21. Bottom bracket with "cable break safety device" |
| 10. Torsion mechanism | 22. Bottom section |
| 11. Spring break safety device | 23. Bottom seal |
| 12. System for attaching horizontal tracks to ceiling | |

The cable break safety mechanism is mounted as an upper bracket on the leaf. In case of cable failure the protection mechanism stops the door leaf motion, fixing in the track.

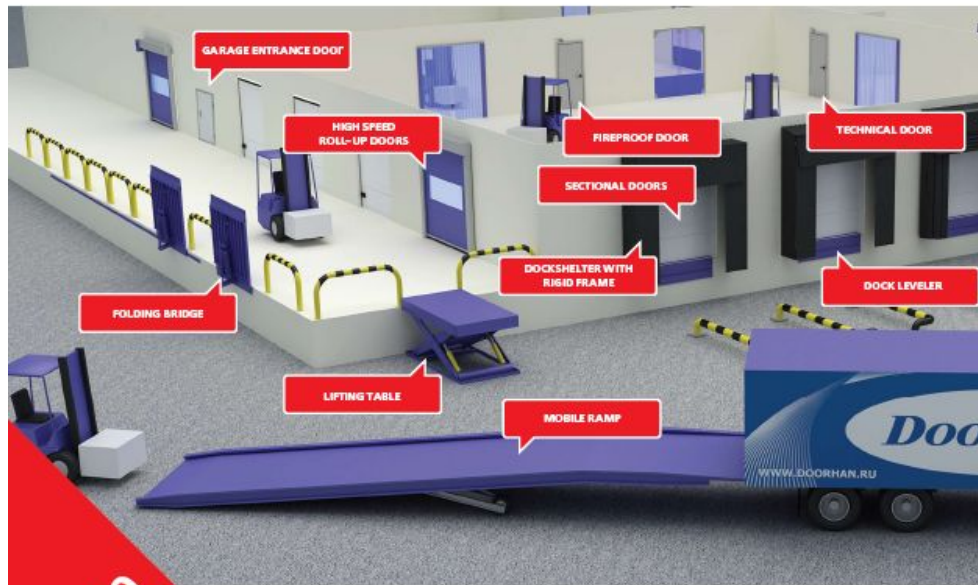
DoorHan innovation - anti-finger trapping devices - special plastic strips, which prevent fingers from being trapped in a gap between rollers and the track.

TORSION MECHANISM


The enhanced requirements to operational safety and reliability are imposed on the industrial doors. DoorHan offers an innovative solution – a torsion mechanism. The torsion mechanism consists of a spring, a spring break safety device and a connecting coupling. The torsion mechanism spring is raised so, as the door leaf, if it is lowered or lifted, hovers, without falling down and without moving upwards. The torsion mechanism with an octagonal shaft for the industrial doors and the U-type bracket allows you to mount the structure without the installation of additional attachment lintels. DoorHan adjustable coupling has a number of advantages. Owing to its structure it is possible to adjust the cable tension; the distance between U-type brackets increases; the possibility of shaft component disconnection is excluded. The torsion mechanism is delivered in the assembled condition that considerably eases its installation.

EXPANDING THE BOUNDARIES

DoorHan Group offers all that is required for equipping storage and other industrial facilities. DoorHan equipment – mechanical and electrohydraulic devices – considerably improves the logistics efficiency, and also facilitates the product handling process, saving time.



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DOCK LEVELERS, BRIDGES AND MOBILE RAMPS

The dock levelers are designed for compensation of height difference between the truck body floor and the storage room floor. When the dock levelers are used during the storage room operation, the loading/unloading speed considerably increases. The mechanical folding and portable bridges are a simpler solution. The bridges are intended for providing an access for a loader/handcart from the access ramp to the truck body. If there is no an access ramp in the storage room and it is necessary to load/unload trucks directly from the ground, DoorHan offers a convenient and modern solution - mobile ramps. The device lifting/lowering is performed by means of a manual or electrohydraulic operator, equipped with the safety system. Our company offers a practically feasible, modern solution for load lifting - a lifting table, it can move objects to 5 m-height.

DOCKSHELTERS

DoorHan produces various models of the dockshelters for rapid and safe transloading of any materials. The sealer acts as a "seal" between the storage room door opening and the van, it ensures the airtight passage between them. Due to the dockshelters, dust, wind, rain do not get into the storage room, insects do not fly into it; draughts do not penetrate into the storage space through an open loading doorway. Stable temperature is maintained inside the storage owing to the airtightness. DoorHan produces the dockshelters for any truck.



HIGH SPEED ROLL-UP DOORS

DoorHan high speed roll-up doors and flexible strip curtains are designed for providing transport or functional communication between storage rooms or for space separation. They ensure moisture resistance, reduce heat losses, eliminate draughts and stabilize temperature and humidity conditions of an isolated room.

BARRIERS

DoorHan barriers due to their structure possess the increased durability. The installation of the automatic barrier in a place for vehicular traffic control will allow you to regulate motor transport entry/exit to the (parking lot, etc.) territory, provide the required safety level of the controlled passage, give the proper image to the organization.

ENTRANCE GROUPS

DoorHan offers the entrance group. Fireproof doors possess the enhanced fire resistance; they withstand fire exposure in the fire conditions. Technical doors possess quite a number of characteristics, which allow you to use them in industrial and office premises.

DoorHan free-standing door is made of sandwich panels, owing to this fact, it possesses energy-saving and sound-insulating properties. Besides, their construction allows you to install doors without welded seams.

COMPANY MANUFACTURING AND STORAGE NETWORK



DOORHAN

- ☑ Door systems
- ☑ Roller shutter systems
- ☑ Warehouse systems
- ☑ Aluminium systems
- ☑ Fire door systems
- ☑ Automatics systems

For additional information, please contact our representatives.



www.doorhan.com