SPEED-GUARDIAN™ 5000

High-performance rigid doors
Modern, secure and reliable

HÖRMANN

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Minimal Maintenance and Low Cost of Ownership

Choose from Hörmann's wide array of Speed-Guardian™ 5000 high-performance doors as the solution for your next project. Popular industry applications where our doors are installed every day include retail automotive, parking garages, and emergency service. Our high-performance doors have fast operating speeds, essential for optimizing traffic flow and security. Plus, maintenance costs are kept to a minimum thanks to high-cycle capabilities and simple product designs with few moving parts.

Thermally Insulated Exterior Doors

For exterior applications, the Speed-Guardian™ 5000 is secure for peace-of-mind during off hours, while the highly insulated door panel and fast operating speeds contribute to exceptional energy control.

Quality Features of a Cutting Edge Door System

Easier installation, less maintenance, great reliability

Hörmann Innovations

1

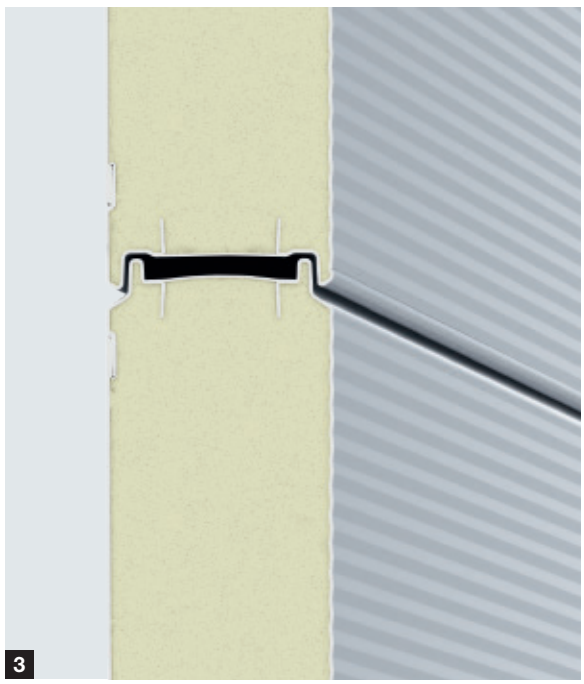
NON-CONTACT PROTECTION 1

The standard light curtain is integral with the guide tracks making it less susceptible to damage and eliminates the need for additional protection devices such as a reversing edge and photocell. This system enhances protection of personnel and vehicles, drastically reducing the likelihood of damage, saving on maintenance costs when used in conjunction with motion or presence detectors.

2

LONG SERVICE LIFE AND HIGH EFFICIENCY AS STANDARD 2

The frequency converter control box takes stress off the entire door mechanism, guaranteeing nearly wear-free, quiet door travel. Fast opening and closing speeds optimize operations and reduce heat losses. In addition, they relieve the entire door mechanism through the smooth starting and braking action, which considerably extends the service life of the door. For larger Speed-Guardian™ models, the door travel is supported by springs, and for H and V track models by wear-free counter weights.



3

UNIFORMLY FOAMED STEEL SECTIONS 3

The galvanized, double-skinned sections with PU rigid foam infill offer an especially high level of thermal insulation. The doors are supplied as standard in RAL 9006. The exterior is characterized by the fine Micrograin lines, on the interior the sections are Stucco-textured.

EFFICIENT SLAT REPLACEMENT

Updated slat connectors make it possible to replace individual slats without the need to disassemble the entire panel. This added efficiency greatly reduces the amount of downtime for repairs.

4

STANDARD DURATEC® GLAZING 4

Duratec® glazing guarantees maximum scratch resistance despite heavy use in rough industrial environments. The special surface coating protects the pane from scratches and damage caused by cleaning. In addition to clear vision slats, all 5000 models have optional tinted / privacy vision slats available: Obscured White or Smoke Gray. Ventilated slats are also optional.

Models for Any Application

Ask about our choice of track configurations. We can accommodate just about any application from those with very little headroom or sideroom, to others with obstructions such as pipes and beams.

TOP RIGHT: The space-saving track application LH (low headroom)

BOTTOM RIGHT: The adjustable H (high-lift) and V (vertical-lift) track application (specifications subject to change)

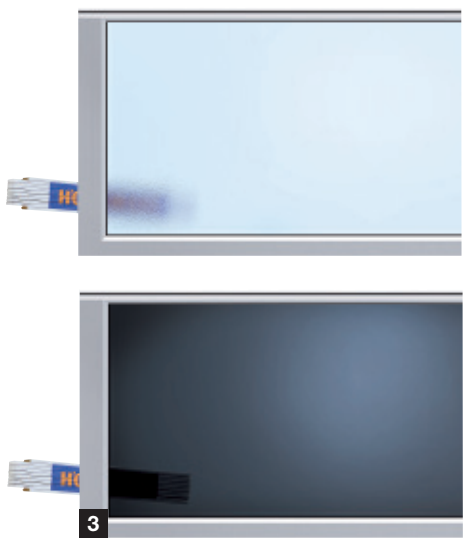
Speed-Guardian™ Model Features

Section with thermal break and effective thermal insulation

- For interior or exterior applications.
- Maximum opening 80 IPS / closing 30 IPS.
- The 42 mm-thick (1-5/8“) x 10” high PU-foamed steel sections have excellent thermal insulation. 1
- 42 mm-thick x 9” high extruded aluminum sections on 4000 Hurricane model
- Surface finishes and colors: A Micrograin™ surface on the exterior and Stucco surface on the interior. Exterior and interior colors are based on RAL 9006 as standard.

  Optional: Any RAL color (U slat with wet epoxy paint / CV slat with powder-coated paint).

  Optional: Wood grain surface imprints are optional in shades of oak, cherry or maple. 2
- Optional: Vision slats – Two styles of vision slats are available: clear or tinted. The tinted slats are a perfect choice where filtered light is required within the interior side, but privacy from the outside to inside view is desired. 3
- Optional ventilated slats are selected for use in applications where ventilation is necessary, such as in parking garages.
- Light curtain built into guide tracks automatically reverses the door if beams are interrupted.
- Hood: Optional: Galvanized steel. (N/A on LH, H and V models).
- Emergency opening: Chain hoist. Optional: Battery back-up (1-ph only)



Speed-Guardian™ Models

Models with individual track designs for every application

SG 5000 C U 42 1

- Circular track. Door panel is securely guided into a spiral bracket without any contact.
- Maximum dimensions up to 21’0” w x 21’4” h or 24’0”w x 16’0”h. ✳
- Chain mechanism and springs.

SG 5000 CV 42 1

- Maximum dimensions up to 18’0” w x 20’0” h. ✳
- The CV model is a complete panel of vision slats that allows more light into the building and more visibility from inside to outside.
- Available with any track design.
- Popular choice for: retail automotive, parking and fire stations because of aesthetic appeal and security.

SG 5000 LP 42 2

- Refer to Product Data Sheet for Size Range. ✳
- Low profile (LP) springless track design fits into as little as 8” of side room clearance.

SG 5000 LH 42 3

- Maximum dimensions: Model U: 18’0” w x 21’4” h
- Low headroom track requires only 20” of headroom clearance.
- A chain mechanism with spring compensation runs the sections into horizontal tracks.

SG 5000 H 42 4

- Maximum dimensions up to 18’0” w x 21’4” h. ✳✳
- High-lift springless track: The panel is guided in horizontal tracks and can be diverted flexibly behind or above supply lines and crane tracks.

SG 5000 V 42 5

- Maximum dimensions up to 21’4” w x 21’4” h.
- Vertical-lift springless track: The sections run vertically along the building wall allowing for quiet and wear-free door movement.

Hurricane rated models 6

SG 4000 C HR 42

- Maximum dimensions up to 16’0” w x 20’0” h.
- A solid 1-5/8” thick door panel made of uninsulated anodized aluminum construction, with internal reinforcements.
- Approval Missile Level D, Wind Zone 4.

SG 5000 CV TD HR

- Maximum dimensions up to 20’0” w x 14’0” h. Discuss headroom and mounting requirements with the factory.
- 1-5/8” thick door panel, available in all slats styles.
- Hurricane certified tandem door package meets test protocol for Wind Zone 5.

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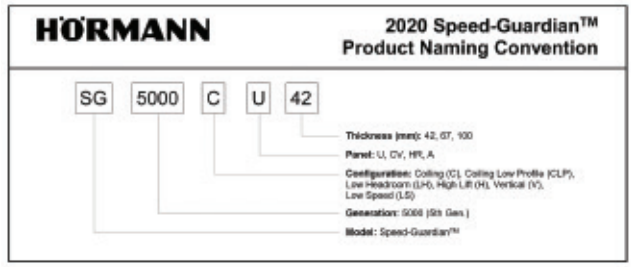


✳ If door height is less than 8’0”, a hood is automatically added
✳✳ Minimum door height allowed is 7’0”

Exclusive Hörmann Accessories

Tools for enhancing protection and promoting proactive technical support

LED LITE-ADVANCE DOOR MONITORING

Red and green lights promote safety

The LED Lite-Advance is a visual indicator, signaling approaching traffic that the door is open, closed or in motion. The Lites come in 5 ft. lengths of bright LED light strips which attach to the guide tracks or hood. Lites are solid red when the door is down, flashing red when in motion, and solid green when completely open, increasing awareness which will reduce the likelihood of impact to the door, and minimize downtime.

WIDESCAN OPENING SENSOR AND AREA SURVEILLANCE

3D laser is the ideal solution for activation or safety

The Widescan sensor uses laser technology, based on analysis of time of flight. It creates a volumetric area in front of the door opening by generating seven angled laser curtains, and it detects objects based on object size, height, speed, and direction. One device alone carries out three functions: opening the door, area surveillance and safety. More than just a sensor, it becomes a protective mechanism for the door and the user. A mobile app is available to easily configure sensor settings from the ground.

Frequency converter control

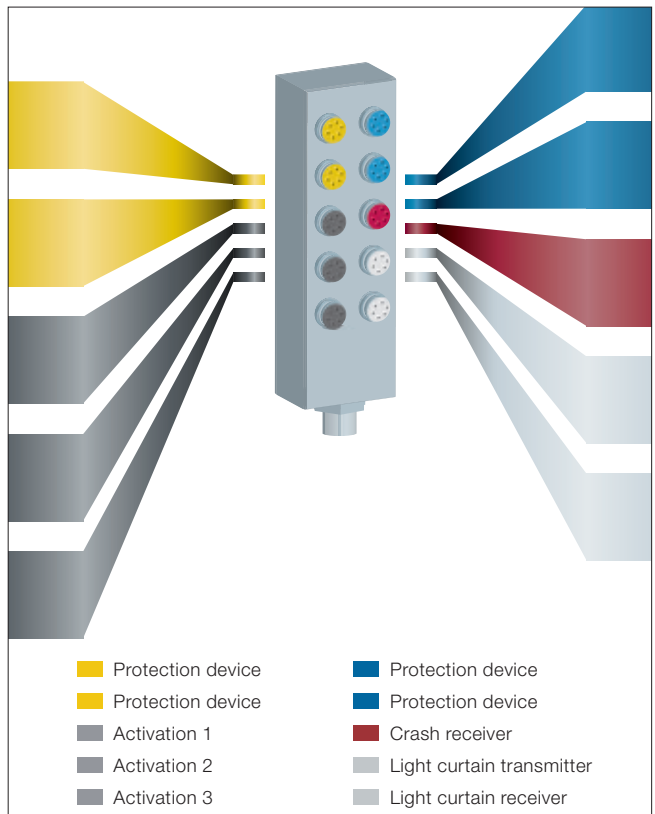
High performance frequency converter controls (FU) feature higher speeds and relieve the complete door mechanism which, in turn, extends the service life of the door considerably. The Smart Start™ NXT NEMA 4X control box has a simplified wiring configuration and few components and cables.

The advantages at a glance

- Door cycle counter
- Operation time monitoring
- Automatic timer (adjustable hold-open phase)
- Error display / diagnosis via a 2 line LCD display
- Service operation setting
- Color-coded plug-in control wiring

Remote keypad

Performs control box functions from ground level. More and more installations require that the door control box is installed out of the reach of passersby or completely away from the door in a central location. For these types of applications, our remote keypad is the ideal accessory; it allows for the actual door control box to be remotely installed while still having the ability to operate all control functions through a compact, 3” x 5-½” keypad. For Speed-Guardian™ and Steel Ranger™ models, surface mount is available.



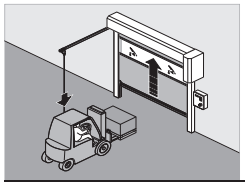
Energy Analysis Report

Calculate ROI when choosing a new Hörmann door

Analyze energy consumption at a specific location and what impact a new Hormann high performance door can have on energy savings and ROI. Your Hörmann door professional can complete a customized energy report. Based on application-specifics such as average temperatures on each side of the door opening, heating source, type of door currently installed and more, the report will show current monthly and yearly energy costs based on the existing door, and projected ROI when purchasing a new Hörmann door.

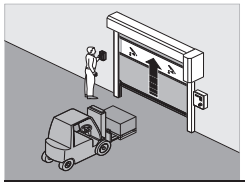
Activation

Options for operation



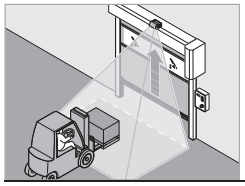
Manual, nylon cord
- Nylon cord lanyard & raintight housing. NEMA 4 rated and suitable for heavy duty use.

Widescan Laser Sensor
- Automatic virtual pull cord.

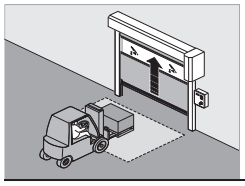


Push Button
- Single, double or triple button.
- NEMA 4 rated.

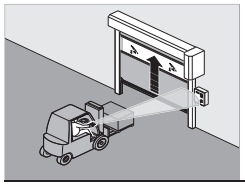
Mushroom Push Button
- NEMA 4 rated.



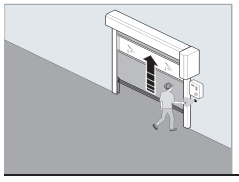
Radar / Motion Detector
- Activates when equipment or personnel enter the detection area.
- Weather-resistant enclosure, protection category IP65 (NEMA 4X).



Induction Loop Detector
- A loop wire field is installed below the floor's surface and generates a magnetic field sensitive to metal objects.



Remote Control
- Effective at a range of up to 60 feet.
- Transmitters are available to activate up to 27 doors with one transmitter.



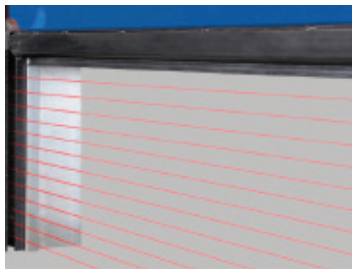
Touchless Activation Switch
- Sterile alternative to manual activation devices.
- Surface or flush mountable. Water resistant. Detection zone adjustable from 4 - 24 inches.

Protection devices

Options for safety equipment

Light Curtain

The built-in light
curtain is standard. Continuous light beams shine across the door opening, from the floor up to 8’0” high, providing added protection of personnel and goods.



Radar Motion Detector and Infrared Presence Detector (Activation and Protection Device)

The model HF-MP detects both motion and presence. The HF-MP covers a wide range of applications where pedestrian and motorized traffic patterns co-exist.

Widescan Laser Sensor

One device carries out three functions: activating the door, surveillance, and safety. The Widescan may also be programmed to function as a virtual pull cord for activation.

Warning Light

Highly visible warning light has a lightweight plastic housing and turns on three seconds prior to closing until the door is closed.

Warning Light With Horn

The warning light with horn may be used when an audible indicator along with a warning light is required.

Control Boxes

Standard at Hörmann

Smart Start™ NXT HFCB
Non-UL Control box in plastic housing single-phase, 230 V

Operation
Open / Stop / Close membrane push button, 2 line LCD, for information on door functions, lockable main switch

Function
Automatic timer, hold-open phase adjustable by up to 120 sec., stop/ reopen

Activation
Push button, pull cord, motion detector, presence detector, induction loop detector, remote control, touchless, keypad, laser sensor

Extension options
Amber warning light, horn, interlocking,

Wiring
Connecting lead color-coded via distribution box

Housing dimensions
9" wide × 18" high × 8" deep

Not available on Model LP

UPS Emergency Battery Pack
Control box - Non-UL in plastic housing single-phase, 230 V

Operation
Automatic upon loss of power
Only available with HFCB Non-UL control box

Function
Upon loss of power, automatically opens the door once. When battery is low, an alarm sounds signalling time for replacement

Wiring
Connecting lead 1~230 V, N, PE, fuse 16 A, slow-acting, plug-in connection between door operator and control cabinet, CEE plug, 3-pin with 36" cable for on-site CEE socket, 16 A

Housing dimensions

9" wide × 18" high × 8" deep

*Not available on Model LP

Smart Start™ NXT NEMA 4X
UL Control box in steel housing
Standard: Three-phase, 208 to 575 V
Available: Single-phase

Operation

Open / Stop / Close membrane push button, 2 line LCD, for information on door functions, lockable main switch

Function

Automatic timer, hold-open phase adjustable by up to 120 sec., stop/ reopen

Activation
Push button, pull cord, motion detector, presence detector, induction loop detector, remote control, touchless, keypad, laser sensor

Extension options
Amber warning light, horn, interlocking, stainless steel enclosure

Wiring
Connecting lead color-coded via distribution box

Housing dimensions
12" wide × 16" high × 9" deep

XL Smart Start™ NXT NEMA 4X
UL Control box in steel housing
Standard: Three-phase, 208 to 575 V
Available: Single-phase
For applications that require heat

Operation

Open / Stop / Close membrane push button, 2 line LCD, for information on door functions, lockable main switch

Function
Automatic timer, hold-open phase adjustable by up to 120 sec., stop/ reopen

Activation
Push button, pull cord, motion detector, presence detector, induction loop detector, remote control, touchless, keypad, laser sensor

Extension options
Amber warning light, horn, interlocking,stainless steel enclosure

Wiring
Connecting lead color-coded via distribution box

Housing dimensions
15.75" wide × 23.625" high × 7.875" deep

External 24 V DC Power Supply

Operation
Overload power supply for doors with several accessories

Function
5 AMPS of power

Wiring
480 VAC cable connects to disconnect switch of the control panel. A second cable feeds the low voltage wiring for additional accessories

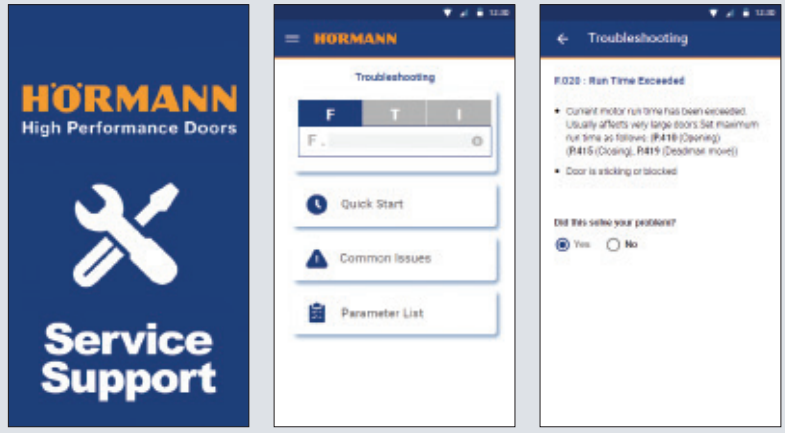
Housing dimensions
12” wide × 7.87” high × 6.29” deep

Exclusive Hörmann Service Support APP

Technical support at your fingertips

Download our service support APP for iOS and Android at the App Store or Google Play

Hörmann Innovations



Everything from a Quick Start guide, to troubleshooting common issues and resolving fault codes that appear on the control box LED display, may be addressed using our APP. Service technicians have the answers they need at their fingertips, eliminating a call to our technical support department.

HÖRMANN NORTH AMERICA

Sparta, TN - North American Headquarters / Sectional Doors

SIX PRODUCTION PLANTS, ONE FAMILY

As one of the world's leading manufacturers of door systems, we're committed to providing the best quality, value, and selection. Whether residential, commercial or industrial, we have the solutions you're looking for. Each Hörmann product gives you the perfect array of benefits and options to satisfy your customers.

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Montgomery, IL

Oro-Medonte, ON Canada

Burgettstown, PA

Imperial, PA

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IDA International Door Association

IARW International Association of Refrigerated Warehouses

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IPMI International Parking & Mobility Institute

FPSA Food Processing Suppliers Association

PDA Professional Door Association of NEW ENGLAND

NBWA America's Beer & Beverage Distributors

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